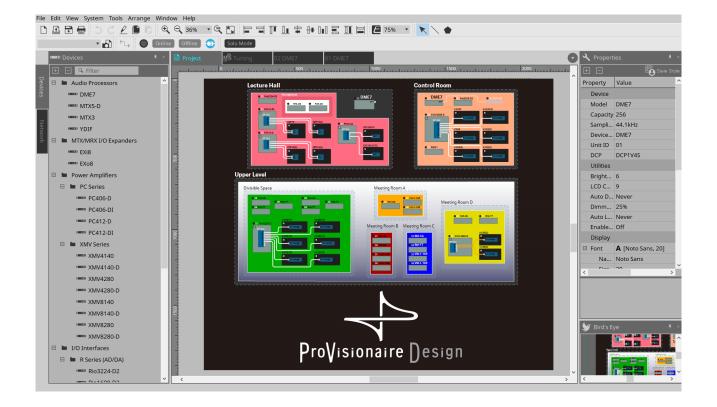


# **ProVisionaire Design**

V2.0 User Guide



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# 1. Introduction

#### 1.1 Note

- 1.2 What you can do using ProVisionaire Design
- 1.3 Terms and concepts to understand
- 1.4 Operating requirements and installation

Thank you for downloading Yamaha ProVisionaire Design.

ProVisionaire Design is a software application for Windows that enables you to design and configure an integrated audio system consisting of Yamaha products. You can configure audio processing settings that will optimize various situations and applications by designing audio routings and adjusting parameters for each component.

For details on the models that are supported, refer to the relevant manuals on the Yamaha Pro Audio website. Download the manuals that you need.

https://www.yamahaproaudio.com/

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### 1.2. What you can do using ProVisionaire Design

- Broadly speaking, ProVisionaire Design is divided into a "Project" sheet, "Tuning" sheet, and device sheet. The "Project" sheet registers devices and makes settings for them. The "Tuning" sheet enables you to set up a link group to control multiple amp channels collectively. A link group that you specify can be operated using the Link Group Editor. The device sheet specifies detailed settings and control of each device.
- Parameters for the entire project can be recalled using the "Linked Presets Manager" dialog box. For details on how to store/recall for each device, refer to the page for each device.
- Default values (other than position information) for the Properties can be stored on the computer as a user style. By saving a user style, you can avoid having to change the settings each time you add a device to the project. User styles can also be transferred to another computer.
- Devices can be grouped as a Device Group. Grouping multiple devices together allows unified management of their power, etc.
- By using the SOLO function in the "Tuning" sheet, you can control the audio output for each link group separately.
- When speakers are placed in the "Project" sheet and connected to a PC-series device, you can open the "Speaker Editor" to adjust the response for individual speakers, or the "Multiple Speaker Editor" to adjust the speaker parameter response for multiple speakers connected to the same power amplifier.
- When speakers are placed in the "Project" sheet and connected with a power amplifier, you can register individual speakers in a link group.

## 1.3. Terms and concepts to understand

#### Software

The following software related to ProVisionaire Design is available.

| Software                   | Summary  |  |
|----------------------------|--|--|
| ProVisionaire Control PLUS | Software for designing remote controllers that operate on a Windows PC or on iPad. |  |
| ProVisionaire Kiosk        | Software specialized for remote controls that run on a Windows PC or iPad/iPhone.  |  |
| ProVisionaire Edge         | Software used to monitor devices on a local network.                               |  |
| ProVisionaire Portal       | Software used to activate a Device License.  |  |
| ProVisionaire Cloud        | Cloud service used to manage Device Licenses.                                      |  |

#### Terms

In ProVisionaire Design, the following terms are used when discussing the structure of a system.

| Term       | Summary   |  |
|------------|---|--|
| Project    | A group of devices handled by ProVisionaire Design.   |  |
| Object     | A general term for devices, images, components, or other things placed on a sheet.  |  |
| Style      | Default values for each object, such as the color and shape, and the device settings. These user styles can be customized and stored on the computer. |  |
| Link group | A group for editing multiple channels of the same series in tandem.   |  |

#### Files

ProVisionaire Design uses the following files.

| File type                     | Summary  |
|-------------------------------|--|
| Project file (extension .pvd) | This file contains all the settings of ProVisionaire Design. Style information is<br>also contained in project files that were saved by [Save with Style].<br>While ProVisionaire Design is running, backup files are saved as *.pvd in the<br>following folder every 5 minutes. The backup file is automatically deleted when<br>the application is closed normally.<br>C:/Users/(user name)/Documents/Yamaha/ProVisionaire Design/Backup |
| Style file (extension .pvds)  | This file saves styles for use with ProVisionaire Design. It contains style information that was created in another project.   |

In this users guide, < > indicates a key on the computer keyboard. < Shift > indicates the Shift key.

### 1.4. Operating requirements and installation

In order to connect devices to the computer and use them, download ProVisionaire Design from the "download" page of the Yamaha Pro Audio website. https://www.yamahaproaudio.com/

### 1.4.1. Operating requirements

| OS                           | Windows 11 (64bit) / Windows 10 (64bit)  |  |  |
|------------------------------|--|--|--|
| CPU                          | Core i or better   |  |  |
| Memory                       | 16 GB or more  |  |  |
| Available hard disk capacity | At least 3.2 GB  |  |  |
| Display                      | 1280×1024 (SXGA) or better   |  |  |
| Other                        | Install Bonjour Print Service (Windows) when updating the PGM1 firmware or configuring the IP settings. Ethernet support is required (1000BASE-T or better). |  |  |

Check the following website for the latest version of the software and the operating environment.



https://www.yamahaproaudio.com/

Depending on the computer that you're using, the requirements might exceed those that are listed above.

### 1.4.2. Installation

Download the installers for ProVisionaire Design from the Yamaha Pro Audio website. On the website, the links are provided in the [Product information] → [Applications] page. https://www.yamahaproaudio.com/

Decompress the compressed file that you downloaded, double-click Install\_PVDesign.exe, and install the software as directed by the installer.

## 2. Screen structure

- 2.1 Common to all sheets
- 2.2 "Project" sheet
- 2.3 Linked Presets
- 2.4 "Tuning" sheet
- 2.5 Device sheet

ProVisionaire Design consists of a "menu bar," "tool bar," "Project sheet," "Tuning sheet," and "device sheet."

The "Project sheet" is a sheet for placing devices. The devices placed here are registered in the project. The "Tuning sheet" is a sheet where you specify the EQ or levels of a device. The "Tuning" sheet is where you specify the EQ and levels for the PC series and XMV series units. Power amp channels can be grouped across multiple devices of the same series, allowing linked operation of the same types of parameters using either

relative values or absolute values.

The "Device sheet" is where you can make detailed settings for each device.

Each sheet has the following areas.

| Sheet           | Area   |
|-----------------|--|
| "Project" sheet | "Devices" area<br>"Network" area<br>"Properties" area<br>"Bird's Eye" view                                 |
| "Tuning" sheet  | "Components" area<br>"Properties" area<br>"Project Devices" area<br>"Link Group" area<br>"Bird's Eye" view |

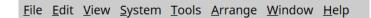
| Sheet                            |                | Area   |
|----------------------------------|----------------|--|
| "Device sheet": Audio Processors | DME10 / DME7   | "Components" area                                |
|                                  |                | "Parameter Sets" area                            |
|                                  |                | "Properties" area                                |
|                                  |                | "Parameters" area                                |
|                                  |                | "Parameter Link Group" area<br>"Bird's Eye" view |
|                                  | MRX7-D         | "Components" area                                |
|                                  |                | "Parameter Sets" area                            |
|                                  |                | "Presets" area                                   |
|                                  |                | "Parameter Link Group" area                      |
|                                  |                | "Gang Edit Group" area                           |
|                                  |                | "Properties" area                                |
|                                  |                | "Parameters" area                                |
|                                  |                | "Bird's Eye" view                                |
|                                  | MTX5-D         | "Presets" area                                   |
|                                  |                | "Bird's Eye" view                                |
|                                  | MTX3           | "Presets" area                                   |
|                                  |                | "Bird's Eye" view                                |
| "Dovice chect": Dover Amplifiero | PC Series      |  |
| "Device sheet": Power Amplifiers | PC Series      | "Presets" area<br>"Dird'a Eva" view              |
|                                  |                | "Bird's Eye" view                                |
|                                  | XMV Series     | "Bird's Eye" view                                |
| "Device sheet": Powered Speakers | DZR Series     | "Presets" area                                   |
|                                  |                | "Bird's Eye" view                                |
|                                  | DXS XLF Series | "Presets" area                                   |
|                                  |                | "Bird's Eye" view                                |
|                                  |                |  |
|                                  | VXL1-16P       | "Bird's Eye" view                                |
|                                  | VXC2P          | "Bird's Eye" view                                |
| "Device sheet": Microphones      | RM-CG          | "Bird's Eye" view                                |
|                                  | RM-TT          | "Bird's Eye" view                                |

### 2.1. Common to all sheets

Here we explain items that are common to all sheets.

| ProVisionaire Design  |              |
|---|--------------|
| <u>File E</u> dit <u>V</u> iew <u>System T</u> ools <u>Arrange W</u> indow <u>H</u> elp |              |
| ┣ ◙ ᠊᠊  | 互 100% 🔻 📐 🔶 |
| 🔹 🛃 🛌 🔵 Online Offline 🔁 Solo Mode  |              |

#### Menu bar



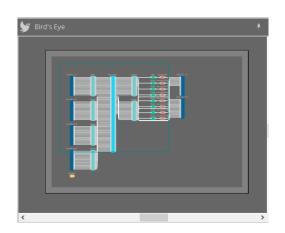
The commands that can be executed by ProVisionaire Design can be found here, grouped by category. Click here to see a list of commands. (Menu bars and tool bar)

#### Tool bar



Frequently-used functions are provided here as buttons. (Menu bars and tool bar)

#### Bird's Eye view



This shows an overview of the sheet. The area surrounded by a green frame is shown in the sheet. Drag the frame to move the area shown in the sheet. When the  $\leftarrow \rightarrow$  icon is shown at the four corners, you can drag it to make the frame larger or smaller, and the sheet display area will change accordingly.

To zoom-in/out the Bird's Eye view itself, hold down < Ctrl > and turn the mouse wheel.

When the cursor is located at the border between the Bird's Eye view and the area above, the cursor changes shape, letting you drag to change the height of the view.

Area

|     | Components   | Ŧ | × |
|-----|--------------|---|---|
| Cot | 🛨 🖃 🔍 Filter |   |   |

In the upper right of the area is a "symbol; when you click this, the area becomes an icon and is placed at the left or right side of the screen, allowing the sheet to occupy more of the screen. When you place the cursor on the icon, the area is temporarily expanded. If you want to once again view an iconized area in its fixed position, move the cursor over the icon and click the "symbol that appears.

The area contains the following buttons and edit boxes.

| Button or edit box | Summary   |  |
|--------------------|---|--|
| +                  | Expands the entire tree.  |  |
|                    | Collapses the entire tree.  |  |
| Q Filter           | Finds and displays the objects that meet the conditions that you entered. |  |
| B                  | Registers the style of the selected object in the computer as a style.    |  |

#### Sheet

Use the 🕤 button of the sheet to access the sheet list, and select the sheet to which you want to move. When the number of sheets increases, the

The button moves one sheet to the right.

You can also use the [Close] menu, which you can access by right-clicking the sheet to close it.

When the cursor is located at the border between a sheet and the area, the cursor changes shape, letting you drag to change the width of the area.

## 2.2. "Project" sheet

|                        |                    |     | <i>(</i>     |               |
|------------------------|--------------------|-----|--------------|---------------|
| Devices +>             | Project            |     | roperties 🍾  |               |
| 🛨 🖃 🔍 Filter           |                    | սոհ | ± =          | 🛱 Save Style  |
| 🖻 🖻 🖿 Audio Processors |                    |     | Property     | Value         |
| B IME7                 |                    |     | Project      |               |
| DME10                  |                    |     | Label        | Project       |
| MRX7-D                 |                    |     | Display      |               |
| (2) MTX5-D             | O1 PC412-DI VXS1ML |     | Color        | 102, 102, 102 |
| MTX3                   | SP Out             |     | Image        |               |
| HEERI YDIF             | VXS1ML(2)          |     |              |               |
| MTX/MRX I/O Expanders  |                    |     |              |               |
| INCLUSION EXIS         | VXS1ML(3)          |     |              |               |
| EXO8                   |                    |     |              |               |
| Power Amplifiers       |                    |     | <b></b>      | /             |
|                        | VXS1ML(4)          |     | 🐓 Bird's Eye |               |
| 🗆 🖿 PC Series          |                    |     |              |               |
| PC406-D                |                    |     |              |               |
| PC406-DI               |                    |     |              |               |
| PC412-D                |                    |     |              |               |
| PC412-DI               |                    |     |              |               |
| 🖂 🖿 XMV Series         |                    |     |              |               |
| IMC21 XMV4140          |                    |     |              | _             |
|                        | JC                 |     |              |               |

#### 1 "Devices" area

This lists the devices that are placed in the "Project" sheet. To register a device in the project, drag and drop the device into the "Project" sheet. ("Devices" area)

#### ② "Network" area

This lists the devices detected by the computer. To register a device in the project, drag and drop the device into the "Project" sheet. ("Network" area)

#### ③ "Project" sheet

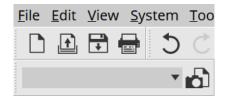
In this sheet you can place devices to register them in the project, or create a connection diagram. ("Project" sheet)

Double-click a device to open the device sheet.

#### ④ "Properties" area

Here you can view and edit information about the selected object. ("Properties" area)

### 2.3. Linked Presets



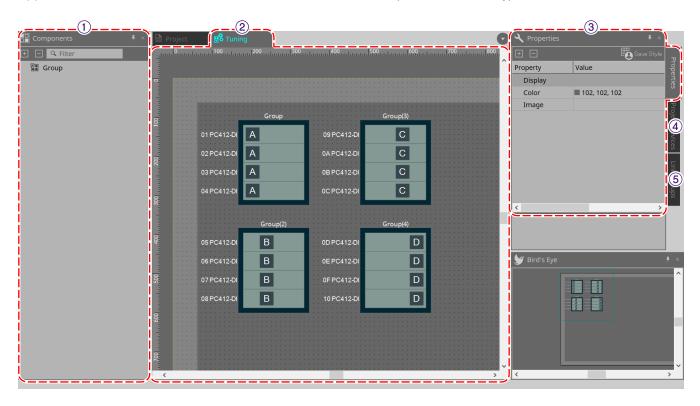
This function enables you to recall all devices added to the project collectively.

Use the "Linked Presets Manager" dialog box that appears when you click the button. ("Linked Presets Manager" dialog box)

Presets for the entire project can also be recalled from the 1 Preset 01 .

### 2.4. "Tuning" sheet

Applicable devices: PC series, XMV series, DZR/DXS-XLF series (Dante models only)



#### ① "Components" area

Register a link group by dragging and dropping a "Group" component into the "Tuning" sheet.

#### 2 "Tuning" sheet

In this sheet you can create and edit a link group. A link group is a function that lets you link individual channels between devices. ("Tuning" sheet)

#### ③ "Properties" area

Here you can view and edit information about the selected object. ("Properties" area)

#### ④ "Project Devices" area

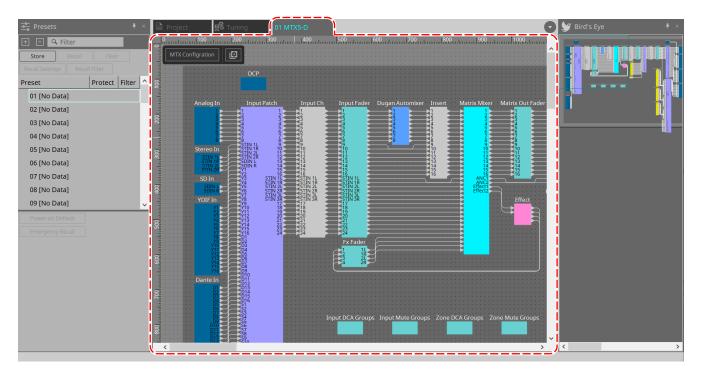
Of the devices placed in the "Project" sheet, the devices to which link grouping is applicable are shown in the tree.

Register a device in a link group by dragging and dropping it onto the "Group" component. ("Project Devices" area)

#### ⑤ "Link Groups" area

This shows the state of link group assignments as a tree. ("Link Groups" area)

## 2.5. Device sheet



This sheet opens when you double-click a device that has been placed in the "Project" sheet. Components for the various devices are placed here. When you double-click a component, the component editor appears, allowing you to edit the parameters of the device.

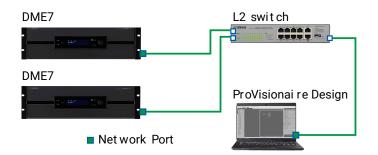
For more information, refer to the section for the corresponding device.

# 3. The basics of using ProVisionaire Design

- 3.1 Connecting the devices
- 3.2 Procedure

## 3.1. Connecting the devices

The connector on the device that will be used to connect to ProVisionaire Design varies depending on the device model. Refer to the connectors listed in the following table.



| Model                                | Connector                                      |
|--------------------------------------|--|
| DME series                           | Network connector or Dante [PRIMARY] connector |
| MRX7-D/MTX5-D                        | Dante [PRIMARY] connector                      |
| МТХЗ                                 | Network connector                              |
| EXi8/EXo8                            | Network connector                              |
| Rio-D2 series/Tio series/RSio series | Dante [PRIMARY] connector                      |
| Rio-D3 series                        | Network connector or Dante [PRIMARY] connector |
| PC-D/DI series                       | Network connector                              |
| XMV-D series                         | Dante [PRIMARY] connector                      |
| XMV series                           | Network connector                              |
| RM-CG/RM-TT                          | Dante/PoE connector                            |
| DZR/DXS-XLF series                   | Dante connector                                |
| VXL1-16P                             | Dante/NETWORK connector                        |
| VXC2P                                | Dante/NETWORK connector                        |

### 3.2. Procedure

To use ProVisionaire Design, proceed as described below, depending on whether the power amp is accessible nearby.

If you are constructing a Dante network, also install Dante Controller, and do the patching in Dante Controller. For more about Dante Controller, refer to the links on the Yamaha Pro Audio website. https://www.yamahaproaudio.com/

#### 3.2.1. If you can connect the device(s) to the computer

If you are near the power amp(s), you'll start by setting up the network before you make settings. The default settings for a PC-series amp are as follows, and assume that you are constructing a redundant network.

| Item                 | Default value  |
|----------------------|--|
| UNIT ID              | 1  |
| Dante Secondary Port | Redundant *star connection   |
| IP Setting           | DHCP (if there is no DHCP server, the IP address 169.254.x.x is specified) |

#### <sup>1.</sup> Make connections.

Connect the power cords and network cables of the devices. If you're using a daisy chain connection, change the "Dante Secondary Port" setting to [Daisy Chain].

#### <sup>2.</sup> Turn on the power of all connected devices.

Initialize or update the firmware as needed.

If you want to use ProVisionaire Design to initialize or update the firmware, choose [System] menu  $\rightarrow$  [Device Information], and perform these actions in the "Device Information" dialog box that appears.

#### <sup>3.</sup> Start ProVisionaire Design.

The "Network Setup" dialog box will appear.

Add a check mark to the check box for the network card that will be used to communicate with the devices, and then click the [OK] button.

You can select up to two network cards at a time. In that case, set a different subnet for each network card.

| 🗟 Network Setup X   |        |                      |                               |  |  |  |  |
|---|--------|----------------------|-------------------------------|--|--|--|--|
| Select the network card(s) th<br>the devices.<br>Up to two check boxes can b                  |        | o communicate wit    | h<br>Open Network Connections |  |  |  |  |
| Network Card Name   | Status | IP Address           | Subnet Mask                   |  |  |  |  |
| ☑ Ethernet  | Up     | 192.168.0.120        | 255.255.255.0                 |  |  |  |  |
|   |        |                      |                               |  |  |  |  |
| If the device's IP address is 19<br>IP address : 192.168.0.253<br>Subnet Mask : 255.255.255.0 |        | bllowing settings ar | e recommended;                |  |  |  |  |
|   |        |                      | OK Cancel                     |  |  |  |  |

4. When the startup dialog box appears, click the [New] button.

|                                    |    | ×   |
|------------------------------------|----|-----|
| Existing File on computer<br>Path: |    | ~   |
|                                    | ОК | New |

5. Verify that the devices are shown in the "Network" area. If they are not shown, check the connections with the devices, and use the "Network Setup" dialog box to verify that the correct network card is connected to the devices.

#### <sup>6.</sup> In the "Network" area, click the [Unit ID] button.

The "Change Unit ID" dialog box will appear.

| 🛃 Cł  | Change Unit ID X                |                   |                  |                 |             |    |               |  |
|-------|---------------------------------|-------------------|------------------|-----------------|-------------|----|---------------|--|
| Pleas | e go offlin                     | e or unlock a loc | ked Dante device | to change setti | ngs.        |    |               |  |
| A     | Auto Unit ID Starting From 01 💌 |                   |                  |                 |             |    |               |  |
| U     | nique Unit                      | t ID in a 🖲 mod   | el. 🔿 project.   |                 |             |    |               |  |
| Re    | fresh                           |                   |                  |                 |             |    | Accessibility |  |
|       | Unit ID                         | Model             | Device Name      | Status          | IP Address  |    |               |  |
|       | 01                              | DME7              | DME7             | OFFLINE         | 192.168.0.1 |    |               |  |
|       | 0A                              | PC412-DI          | PC412-DI         | OFFLINE         | 192.168.0.3 |    |               |  |
|       |                                 |                   |                  |                 |             |    |               |  |
|       |                                 |                   |                  |                 |             | ОК | Cancel        |  |

#### <sup>7.</sup> Click the [Auto] button.

The UNIT ID of each device is set automatically so that they do not conflict.



This operation does not apply to the MTX series or XMV series units. Use the dip switches on the rear panel to set the Unit ID.

#### <sup>8.</sup> Click the [OK] button.

The devices will restart, so wait until the devices amps reappear in the "Network" area.

#### <sup>9.</sup> Drag and drop a device from the "Network" area into the "Project" sheet.

The device is registered in the project.

If you hold down < Shift >, click the top device, and then click the bottom device, you can drag and drop all these devices in a single operation.

|         | <  Netwo | rk               |                  |                              |     | ) p | roje | t       |     | 8      | ₿ T | unin | 9   |     |     |         |     |      |      |
|---------|----------|------------------|------------------|------------------------------|-----|-----|------|---------|-----|--------|-----|------|-----|-----|-----|---------|-----|------|------|
|         | ÷ -      | Q. Filter        |                  |                              | -   | U.  |      | ndi<br> | 100 | шл<br> |     | l    | 200 |     |     | ал]<br> | 300 | <br> | <br> |
| Devices | PVD-enat | pled             |                  |                              |     |     |      |         |     |        |     |      |     |     |     |         |     |      |      |
| 8       | Unit ID  | ]                | De               | tected Devices : 2           |     |     |      |         |     |        |     |      |     |     |     |         |     |      |      |
| 10      | Unit ID  | Model            | Device Name      | IP Address                   |     |     |      |         |     |        |     |      |     |     |     |         |     |      |      |
| Ne      | 07<br>0A | DME7<br>PC412-DI | DME7<br>PC412-DI | 192.168.0.141<br>192.168.0.3 | I۴  |     |      |         |     |        |     | JA P | C41 | 2-0 | • o |         |     |      |      |
| etwork  |          | 1 6412 01        | 1 6412 01        | 19211001010                  |     |     |      |         |     |        | 5   | 0    | 0   | e   |     |         |     |      |      |
| L î     |          |                  |                  |                              |     |     |      |         |     |        |     |      |     |     |     |         |     |      |      |
|         |          |                  |                  |                              | 202 |     |      |         |     |        |     |      |     |     |     |         |     |      |      |
|         |          |                  |                  |                              |     |     | 1    | 1       |     |        |     |      |     | : : |     |         | 1   |      |      |

10. On the tool bar, click the [Online] button.



#### The "Synchronization" dialog box will appear.

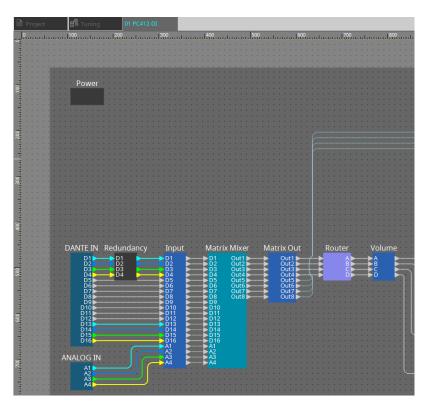
For details on synchronization, refer to "Online and synchronization".

| Synchronization             | ×  |
|-----------------------------|----|
| To Device     O From Device |    |
|                             |    |
| All On All Off              |    |
| Device Status Progress      |    |
| OA PC412-DI                 | -1 |
|                             |    |
|                             |    |
|                             |    |
| Message                     |    |
|                             |    |
|                             |    |
| Abort Online Clos           | se |

<sup>11.</sup> **Choose [To Device], and then click the [Online] button.** ProVisionaire Design's settings are sent to each device.

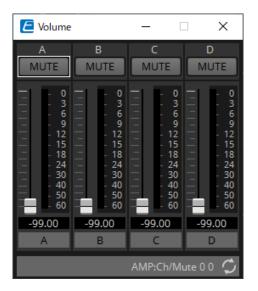
### <sup>12.</sup> Double-click a device.

The device sheet appears.



<sup>13.</sup> **Double-click the component that contains the parameter you want to edit.** The component editor appears.

There are two component editors in each device. One is common and the other is unique to the device. For common component editors, refer to "ProVisionaire Design Component Guide". For device-specific items, refer to the description of the "Component Editor" for each device.



#### <sup>14.</sup> Edit the parameters.

If you want to make the same settings multiple times, right-click and choose [Copy] in the "Project" sheet for the device that you've finished editing. On the device to which you want to apply the same settings, choose [Paste Parameters] to apply the copied settings.

#### <sup>15.</sup> When you are finished editing, save the project file.

You can save by clicking the 🖬 button.

If you want to protect the file, you can specify a PIN code in the "Protect File" dialog box which you can open from the [File] menu.



With the DME, saving the project file while working online will save the file not only on the computer but also on the device. For more information, refer to the "File Storage" dialog box.

### 3.2.2. If you cannot connect the device(s) to the computer

This method lets you virtually place power amps, and then synchronize with the power amps later.

#### <sup>1.</sup> Start ProVisionaire Design.

The "Network Setup" dialog box will appear. Since you will be working offline, click the [Cancel] button in this case.

| Network Setup ×   |        |                      |                           |  |  |  |  |
|---|--------|----------------------|---------------------------|--|--|--|--|
| Select the network card(s) th<br>the devices.<br>Up to two check boxes can b                |        | o communicate wit    | Copen Network Connections |  |  |  |  |
| Network Card Name   | Status | IP Address           | Subnet Mask               |  |  |  |  |
| Ethernet  | Up     | 192.168.0.120        | 255.255.255.0             |  |  |  |  |
|   |        |                      |                           |  |  |  |  |
| If the device's IP address is 1<br>IP address : 192.168.0.253<br>Subnet Mask : 255.255.255. |        | bllowing settings ar | re recommended;           |  |  |  |  |
|   |        |                      | OK Cancel                 |  |  |  |  |

2. When the startup dialog box appears, click the [New] button to create a new project file. If you want to edit a project file, click the [...] button, select the project file, and click the [OK] button.

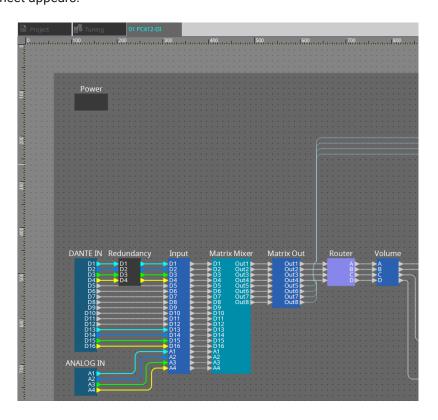
| ProVisionaire Design      |    | ×   |
|---------------------------|----|-----|
| Existing File on computer |    |     |
| Path:                     |    | ~   |
|                           | ОК | New |

#### <sup>3.</sup> Drag and drop a device from the "Devices" area into the "Project" sheet.

The device is registered in the project. Register the number of devices that you require.

|         | Devices              |   | Project | 🕂 Tuning    |
|---------|----------------------|---|---------|-------------|
|         | 🛨 🖃 🔍 Filter         |   | •       | 100         |
| Devices | EX08                 | ^ |         |             |
| ices    | 🗆 🖿 Power Amplifiers |   |         |             |
|         | 😑 🖿 PC Series        |   |         |             |
| _       | PC406-D              |   |         |             |
| Network | PC406-DI             |   |         |             |
| ork     | PC412-D              |   |         | 01 PC412-DI |
|         | PC412-DI             |   |         |             |
|         | 🗆 🖿 XMV Series       |   |         |             |
|         | xMV4140              |   |         |             |

4. **Double-click a device.** The device sheet appears.



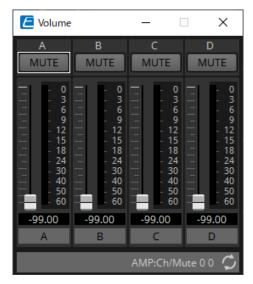
<sup>5.</sup> Double-click the component that contains the parameter you want to edit.

The component editor appears.

There are two component editors in each device. One is common and the other is unique to the device.

For common component editors, refer to "ProVisionaire Design Component Guide".

For device-specific items, refer to the description of the "Component Editor" for each device.



- 6. Edit the parameters.
- <sup>7.</sup> Save the project.

You can save by clicking the 🖬 button on the toolbar.

Make settings for the device's UNIT ID and Dante [SECONDARY] port.
 For details on making these settings, refer to the Owner's Manual of each device.

#### <sup>9.</sup> Make connections.

Connect the power cords and network cables of the actual devices.

#### <sup>10.</sup> Turn on the power of all connected devices.

Initialize or update the firmware as needed. For details on initialization or updating the firmware, refer to the owner's manual of each device.

#### <sup>11.</sup> From the [System] menu on the menu bar, open "Network Setup."

The "Network Setup" dialog box will appear.

12. Select the network card that will be used for communication with the devices, and click the [OK] button.

| Network Setup  |        |                      | ×                             |
|--|--------|----------------------|-------------------------------|
| Select the network card(s) th<br>the devices.<br>Up to two check boxes can b                 |        | o communicate wit    | h<br>Open Network Connections |
| Network Card Name  | Status | IP Address           | Subnet Mask                   |
| 🗹 Ethernet   | Up     | 192.168.0.120        | 255.255.255.0                 |
|  |        |                      |                               |
| If the device's IP address is 1<br>IP address : 192.168.0.253<br>Subnet Mask : 255.255.255.0 |        | ollowing settings ar | e recommended;                |
|  |        |                      | OK Cancel                     |

- <sup>13.</sup> The UNIT ID specified for the devices in the "Project" sheet is applied to the devices. You can use the following methods to change the UNIT ID of a device.
  - 。Drag and drop a device from the "Network" area onto the "Project" sheet.
  - 。In the "Network" area, click the [Unit ID] button; then while clicking the Identify button in the "Change Unit ID" dialog box to identify the specific unit, change the UNIT ID manually.
  - 。 Change the Unit ID using the device. Refer to the Owner's Manual for the corresponding device.



When you change the UNIT ID, the device restarts.

| -      | Change Unit ID ×  |          |             |         |             |    |             |  |
|--------|---|----------|-------------|---------|-------------|----|-------------|--|
| ,<br>L | Please go offline or unlock a locked Dante device to change settings.          Auto       Unit ID Starting From       01           Unique Unit ID in a <ul> <li>model.</li> <li>project.</li> </ul> Accessibility |          |             |         |             |    |             |  |
|        | Unit ID   | Model    | Device Name | Status  | IP Address  |    | recessioney |  |
|        | 01  | DME7     | DME7        | OFFLINE | 192.168.0.1 |    |             |  |
|        | 0A  | PC412-DI | PC412-DI    | OFFLINE | 192.168.0.3 |    |             |  |
|        |   |          |             |         |             |    |             |  |
|        |   |          |             |         |             | ОК | Cancel      |  |

# 14. On the tool bar, click the [Online] button. The "Synchronization" dialog box will appear.

| 😽 Synchronization | ×               |
|-------------------|-----------------|
| To Device         | ○ From Device   |
|                   |                 |
| All On All Off    | ]               |
| Device            | Status Progress |
| ✓ 0A PC412-DI     | OFFLINE         |
|                   |                 |
|                   |                 |
| Message           |                 |
| message           |                 |
|                   |                 |
|                   |                 |
| Abort             | Online Close    |

- $^{15.}\,$  Choose [To Device], and then click the [Online] button. ProVisionaire Design's settings are sent to each device.
- 16. Use ProVisionaire Design to edit the parameters.
- 17. When you are finished editing, save the project file by overwriting.

# 4. Menu bars and toolbar

- 4.1 [File] menu
- 4.2 [Edit] menu
- 4.3 [View] menu
- 4.4 [System] menu
- 4.5 [Tools] menu
- 4.6 [Arrange] menu
- 4.7 [Window] menu
- 4.8 [Help] menu
- 4.9 Buttons only on the toolbar

The menu bar contains the commands that can be executed by ProVisionaire Design, grouped by category.

Click here to see a list of commands.

Commands frequently used in ProVisionaire Design, such as "Print" and "Align Left Side," are provided as buttons in the toolbar.

## 4.1. [File] menu

| Command                             | Toolbar<br>button | Summary   | Dialog box that appears                  |
|-------------------------------------|-------------------|---|--|
| [New]                               |                   | Creates a new project file.<br>This command is not available while online.  |  |
| [Open]                              | £                 | Opens a saved project file.<br>This command is not available while online.<br>When you open a project file for which a PIN code<br>has been specified, the "Security" dialog box<br>appears.  |  |
| [Go Online - From<br>Devices]       |                   | Applies the data from the devices on the network to the project file.   | "Go Online - From Devices"<br>dialog box |
| [Save]                              | Ŧ                 | Saves the project file (overwriting the previous version of the file).  |  |
| [Save As]                           |                   | Saves the project file as a different file.   | "Save File" dialog box                   |
| [Save with Style]                   |                   | Saves the project file including the user style.<br>Even if this project file is opened on another<br>computer, the user style is not automatically<br>imported. If you want to import it, open the project<br>file and then execute [Import Style from Project<br>File]. | "Save File" dialog box                   |
| [Export Style]                      |                   | Allows a user style saved on the computer to be exported as a file (filename extension .pvds).  | "Export Style" dialog box                |
| [Import Style]                      |                   | Imports an exported user style back into the computer.  | "Import Style" dialog box                |
| [Import Style from<br>Project File] |                   | From a project file that includes the user style, imports the user style into the computer.   |  |

| Command                     | Toolbar<br>button | Summary   | Dialog box that appears             |
|-----------------------------|-------------------|---|-------------------------------------|
| [Reset Style to<br>Default] |                   | Initializes the user style to the state immediately after installation.   |                                     |
| [Protect File]              |                   | Protects the project file by assigning it a PIN<br>code.<br>When you open a protected file, you will be asked<br>to enter the PIN code. | "Protect File" dialog box           |
| [Project<br>Information]    |                   | Allows you to include a memo in the project file to record inventory information or contact information.                                | "Project Information" dialog<br>box |
| [Print]                     | -                 | Prints a scene and makes print-related settings.  | "Print" dialog box                  |
| [File Storage]              |                   | Allows you to specify the DME storage to which the project file will automatically be saved.  | "File Storage" dialog box           |
| [Recentry Open<br>File]     |                   | Lists up to five recently used project files,<br>allowing you to open them.<br>This command is not available while online.              |                                     |
| [Exit]                      |                   | Exits ProVisionaire Design.<br>This command is not available while online.  |                                     |

# 4.2. [Edit] menu

| Command                    | Toolbar<br>button | Summary  | Dialog box that appears |
|----------------------------|-------------------|--|-------------------------|
| [Undo]                     | C                 | Cancels the preceding operation. *1  |                         |
| [Redo]                     | Ç                 | Re-executes the operation that was canceled by [Undo]. $^{\!\!\!\!^{\star_1}}$   |                         |
| [Cut]                      | R                 | Moves the selected item to the copy buffer.  |                         |
| [Copy]                     |                   | Copies the selected item to the copy buffer.   |                         |
| [Paste]                    | Ð                 | Pastes the item from the copy buffer to the selected location.   |                         |
| [Paste Parameters]         |                   | Overwrites (copies) the parameters of the<br>component in the copy buffer to the selected<br>component. You can also copy and paste<br>parameters between devices. |                         |
| [Paste to Device<br>Group] |                   | Copies the device from the copy buffer to a device group.  |                         |
| [Delete]                   |                   | Deletes the selected object.   |                         |
| [Duplicate]                |                   | Duplicates the selected object.  |                         |

| Command                  | Toolbar<br>button | Summary   | Dialog box that appears                                 |
|--------------------------|-------------------|---|---|
| [Select All]             |                   | [AII]<br>Selects all objects in the "Project" sheet. If you<br>want to select the contents of a device group,<br>select the device group and then choose [AII].                       |   |
|                          |                   | [All Components]<br>Selects all components in the "Device" sheet.   |   |
|                          |                   | [All Devices]<br>Selects all devices in the "Project" sheet. If you<br>want to select the devices in a device group,<br>select the device group and then choose [All<br>Devices].     |   |
|                          |                   | [All Wires]<br>Selects all wires in the "Project" sheet. If you want<br>to select the wires in a device group, select the<br>device group and then choose [All Wires].                |   |
|                          |                   | [All Graphics]<br>Selects all graphics in the "Project" sheet. If you<br>want to select the graphics in a device group,<br>select the device group and then choose [All<br>Graphics]. |   |
|                          |                   | [All Link Groups]<br>Selects all link groups in the "Tuning" sheet.   |   |
| [Create Device<br>Group] |                   | Groups the selected objects in the "Project" sheet as a device group.   |   |
| [Unpack Device<br>Group] |                   | Unpacks the objects in the selected device group onto the "Project" sheet.  |   |
| [Unbundle Wires]         |                   | Displays the wires connected to the selected<br>component or User Defined Block spaced apart at<br>equal intervals.   | For more information, refer to the section for the DME. |
| [Bundle Wires]           |                   | Displays the wires connected to the selected component or User Defined Block overlaid together.   | For more information, refer to the section for the DME. |

\*1. In the [Properties] area, you can specify the operation that the [Undo]/[Redo] command will affect: either placing/moving/deleting an object, or creating/deleting a wire between devices.

# 4.3. [View] menu

| Command                          | Toolbar<br>button     | Summary  | Dialog box that appears |
|----------------------------------|-----------------------|--|-------------------------|
| Area display<br>switch check box |                       | Add a check mark to the check box to display the<br>corresponding area. The contents of the<br>displayed area vary depending on the sheet and<br>device. |                         |
| [Zoom In]                        | ÷.                    | Magnifies the display within the sheet.  |                         |
| [Zoom Out]                       | $\Theta_{\mathbf{k}}$ | Shrinks the display within the sheet.  |                         |
| [Zoom to 100%]                   |                       | Sets the display zoom within the sheet to 100%.  |                         |
| [Zoom to Fit]                    | ĸ                     | Adjusts the magnification so that all placed objects are visible in the sheet.   |                         |
| [Editor<br>Magnification]        | E                     | Adjusts the magnification ratio for Component Editor.  |                         |
| [Print Area]                     |                       | On the sheet, shows the paper size specified in the "Print" dialog box. The (x,y) = (0,0) of the sheet is the top left of the paper.                     |                         |

## 4.4. [System] menu

| Command                         | Toolbar<br>button | Summary   | Dialog box that appears                     |
|---------------------------------|-------------------|---|---|
| [Network Setup]                 |                   | Selects the computer's network adapter that will<br>be used to communicate with the devices.<br>You can also change the IP address of the<br>network adapter.               | "Network Setup" dialog box                  |
| [IP Settings]                   |                   | Lists the devices on the network, allowing you to change their IP address.  | "IP Settings" dialog box                    |
| [Match Device by<br>IP Address] |                   | Makes settings so that ProVisionaire Design<br>searches for devices by their IP address.<br>Make this setting if the computer is on a different<br>subnet than the devices. | "Match Devices by IP<br>Address" dialog box |
| [Device<br>Information]         |                   | Lists the devices on the network, allowing you to update their firmware, or initialize or restart them.   | "Device Information" dialog<br>box          |
| [Word Clock]                    |                   | Specifies the word clock for the device.  | "Word Clock" dialog box                     |
| [Protect Devices]               |                   | Specifies the Administrator PIN for the device to prevent unintended modifications.   | "Protect Devices" dialog box                |
| [Clock]                         |                   | Regardless of the online/offline state, the time<br>and date will be updated for all devices connected<br>to the same network.  | "Clock" dialog box                          |
| [Daylight Saving<br>Time]       |                   | Regardless of the online/offline state, the daylight saving time setting is specified for all devices connected to the same network.  | "Daylight Saving Time" dialog<br>box        |

| Command                   | Toolbar<br>button | Summary  | Dialog box that appears  |
|---------------------------|-------------------|--|--|
| [GPI Calibration]         |                   | Calibrates the input voltage detection range for<br>the [GPI] connector of the devices. (Available only<br>when online.)   | "GPI Calibration" dialog box   |
| [Get Log from<br>Devices] |                   | Obtains the log from the MTX series or XMV series units.   | "Get Log from Devices"<br>dialog box   |
| [Show Alert Popup]        |                   | Specifies whether or not the popup window will appear in ProVisionaire Design when an alert appears on the device.   |  |
| [RM Series<br>Settings]   |                   | <ul> <li>[Sign up]</li> <li>Specifies the initial password for the RM-CG or RM-TT.</li> <li>[Login]</li> <li>Logs in to the RM-CG or RM-TT for which the password has already been specified. You need to log in to configure the devices in ProVisionaire Design.</li> <li>[Password Settings]</li> <li>Enables you to change the password for the RM-CG or RM-TT.</li> <li>[Enable SCP remote control access]</li> <li>Enables or disables control of the RM-CG or RM-TT via the external SCP controller.</li> </ul> | "Sign up" dialog box<br>"Log In" dialog box<br>"Password Settings" dialog<br>box<br>"Enable SCP remote control<br>access" dialog box |

## 4.5. [Tools] menu

| Command                   | Toolbar<br>button | Summary   | Dialog box that appears |
|---------------------------|-------------------|---|-------------------------|
| [Trace Signal Path]       | ▶_→               | If you select a port or wire while this command is<br>turned on (checked), the signal path will be traced<br>starting from the selected point toward the output<br>and input. |                         |
| [Duplicate Port<br>Label] |                   | If you create a wire connection between ports<br>while this command is turned on (checked), the<br>name of the originating port will be copied to the<br>destination port.    |                         |

# 4.6. [Arrange] menu

| Command             | Toolbar<br>button | Summary   | Dialog box that appears |
|---------------------|-------------------|---|-------------------------|
| [Align Left Sides]  |                   | Aligns the left edge to the left-most of the multiple selected objects.   |                         |
| [Align Right Sides] |                   | Aligns the right edge to the right-most of the multiple selected objects. |                         |
| [Align Tops]        |                   | Aligns the top edge to the highest of the multiple selected objects.      |                         |

| Command                       | Toolbar<br>button | Summary   | Dialog box that appears |
|-------------------------------|-------------------|---|-------------------------|
| [Align Bottoms]               |                   | Aligns the bottom edge to the lowest of the multiple selected objects.                          |                         |
| [Align Horizontal<br>Centers] | <b>+</b>          | Aligns the center of the object to the horizontal mid-point of the multiple selected objects.   |                         |
| [Align Vertical<br>Centers]   | ∄∎                | Aligns the center of the object to the vertical mid-<br>point of the multiple selected objects. |                         |
| [Distribute<br>Horizontally]  |                   | Spaces the selected objects evenly in the horizontal direction.                                 |                         |
| [Distribute<br>Vertically]    |                   | Spaces the selected objects evenly in the vertical direction.                                   |                         |
| [Same<br>Horizontally]        |                   | Aligns the height of the selected objects.  |                         |
| [Same Widths]                 |                   | Aligns the width of the selected objects.   |                         |
| [Bring to Front]              |                   | Moves the selected object to the foreground.  |                         |
| [Send to Back]                |                   | Moves the selected object to the farthest background.   |                         |

## 4.7. [Window] menu

| Command                       | Toolbar<br>button | Summary   | Dialog box that appears |
|-------------------------------|-------------------|---|-------------------------|
| [Close All Editor<br>Windows] |                   | Closes all component editor and parameter setting windows.                  |                         |
| [Show All Editor<br>Windows]  |                   | Shows all component editor and parameter setting windows in the foreground. |                         |
| [Hide All Editor<br>Windows]  |                   | Hides all component editor and parameter setting windows.                   |                         |

## 4.8. [Help] menu

| Command         | Toolbar<br>button | Summary                        | Dialog box that appears |
|-----------------|-------------------|--------------------------------|-------------------------|
| [Shortcut Keys] |                   | Shows a list of shortcut keys. | "Shortcut Keys" window  |

## 4.9. Buttons only on the toolbar

The following buttons do not have corresponding menu commands.

| Button      | Summary  |  |
|-------------|--|--|
| 100% -      | Indicates the current magnification within the sheet. Click $\checkmark$ to change the magnification. You can click the numerical indication and directly enter a value. Shrinks the display within the sheet. |  |
| K           | Puts the mouse cursor in a mode for selecting or editing an object.  |  |
|             | Puts the mouse cursor in a mode for drawing lines in the "Project" sheet.  |  |
| ٠           | Puts the mouse cursor in a mode for drawing polygons in the "Project" sheet.<br>When drawing a polygon, click to specify each corner. Double-click when you are<br>finished drawing.                           |  |
| 1 Preset 01 | The stored Linked Presets are displayed as shown at left. (Empty Linked Presets device   |  |
|             | presets are not shown.) The Linked Presets you select here will be recalled.   |  |
|             | When you click the $\checkmark$ at the right, a pulldown menu appears, allowing you to recall the selected Linked Presets.   |  |
| ഫ           | Opens the "Linked Presets Manager" dialog box.   |  |
| •           | This is lit if the devices and the computer are online. The color of the indicator will  |  |
|             | change according to the status.  |  |
|             | Blue: When all placed devices are offline  |  |
|             | Yellow: When at least one of the placed devices is offline<br>Unlit: When all devices are offline  |  |
| Online      | When you click this, the "Synchronization" dialog box(synchronization method selection) appears, allowing you to synchronize the device with ProVisionaire Design.   |  |
|             | If the placed device is not actually connected to the network, the<br>[Online] button will not be available.   |  |
| Offline     | Click this to open the "Offline" dialog box.   |  |
|             | If the placed device is not actually connected to the network, the [Offline] button will not be available.   |  |

| Button    | Summary  |
|-----------|--|
| 3         | Switches the status of the connection between ProVisionaire Design and the network.<br>Even in the offline state, if this status is connected, ProVisionaire Design will send data<br>to the network, for example to search for devices. Set this to the unconnected status if<br>you don't want unnecessary data to be transmitted, for example if you're connected to<br>an office LAN.<br>Connected.<br>Disconnected. |
| Solo Mode | When online with the device, the link group editor's [SOLO] button is enabled.   |

# 5. Shortcut keys

Here are the shortcut keys that you can use in ProVisionaire Design.

#### Designs

| Key combinations  | Operation   |
|---|---|
| < F5 >key   | Execute [ Online ].                                   |
| < Ctrl >key + < F5 >key   | Execute [ Offline ].                                  |
| Mouse wheel   | Modify the value of a fader, knob, or numeric box.    |
| Whilst holding down < Alt >key +<br>click a parameter in Component<br>Editor. | Set the parameter to nominal value.                   |
| < Alt >key + < F4 >key  | Opens the component editor that is in the foreground. |

#### **Sheet Operations**

| Key combinations  | Operation   |
|---|---|
| < ↑ >key/< Ctrl >key + < ↑ >key                         | Scrolls the sheet upward.<br>If an object is selected, this moves the selected object upward.<br>Components of a device whose configuration is fixed cannot be moved.             |
| < ↓ >key/< Ctrl >key + < ↓ >key                         | Scrolls the sheet downward.<br>If an object is selected, this moves the selected object downward.<br>Components of a device whose configuration is fixed cannot be moved.         |
| < ← >key/< Ctrl key> + < ← >key                         | Scrolls the sheet to the left.<br>If an object is selected, this moves the selected object to the left.<br>Components of a device whose configuration is fixed cannot be moved.   |
| $< \rightarrow$ >key/< Ctrl >key + < $\rightarrow$ >key | Scrolls the sheet to the right.<br>If an object is selected, this moves the selected object to the right.<br>Components of a device whose configuration is fixed cannot be moved. |
| < Page Up >key  | Scrolls the sheet upward.   |
| < Page Down >key  | Scrolls the sheet downward.   |
| < Home >key   | Moves to the left-most object.  |
| < End >key  | Moves to the right-most object.   |
| < Ctrl >key + < Home >key                               | Moves to the object in the upper left corner.   |
| < Ctrl >key + < End >key                                | Moves to the object in the lower right corner.  |
| Mouse wheel   | Scrolls the sheet upward or downward.   |
| < Shift >key + mouse wheel                              | Scrolls the sheet to the left or right.   |
| < Ctrl >key + mouse wheel                               | Zooms the sheet in/out.   |
| < Alt >key + < F3 >key                                  | Shows a list of sheets.   |

#### Editing

| Key combinations   | Operation   |
|--|---|
| Double-click on any object in<br>"Components".   | Initiates Stamp mode.<br>Stamp mode is a function that places a component on the sheet each<br>time you click.  |
| < Esc >key   | Discontinue Stamp Mode and in-progress edits.   |
| Click on existing object in Design<br>Sheet whilst holding down < Ctrl ><br>key, then drag and drop from that<br>item.             | Duplicate a object.   |
| Whilst holding down < Ctrl > key,<br>drag and drop component(s) from<br>Design Sheet or parameter from<br>component editor window. | Assign item(s) to the following windows<br>-Parameter sets<br>-GPI dialog box<br>-Remote Control Setup List dialog box<br>-DCP Components   |
| Drag and drop component(s) or<br>parameter(s) from "Parameters".   | Assign item(s) to the following windows<br>-Parameter sets<br>-GPI dialog box<br>-Remote Control Setup List dialog box<br>-DCP Components   |
| Alphanumeric keys  | -Design Sheet<br>Select the component(s) with label beginning with matching character. If<br>more than one component, step through them.<br>-Components, Parameter Sets, Parameters<br>Select the componenUParameter/Group with labelb eginning with<br>matching character. If more than one component, step through them |
| < Ctrl > key+ click  | Simultaneously select or deselect multiple components, component<br>ports, wires, or text simultaneously on the design sheet.<br>Simultaneously select or deselect multiple parameters in the component<br>editor.<br>Simultaneously select or deselect multiple components or parameters in<br>the Parameters area.      |
| < Shift > key+ click   | Simultaneously select or deselect multiple objects.   |
| < Ctrl > key+ < Shift > key+ click   | Simultaneously select or deselect multiple parameters in the component editor of the DME10/7. A Temporary Link Group will be created.   |
| Drag the mouse cursor.   | Select objects that are fully contained inside the rectangular area.  |
| While holding down the < Ctrl > key,<br>drag the mouse cursor.   | Select objects that are partially contained inside the rectangular target area.   |
| While holding down the < Shift > key,<br>drag the mouse cursor.  | Select component input ports that are fully inside the rectangular target area.   |
| While holding down the < Alt > key,<br>drag the mouse cursor.  | Select component output ports that are fuly inside the rectangular target area.   |
|  |   |

5. Shortcut keys

| Key combinations   | Operation   |
|--|---|
| While holding down the < Shift ><br>key+ < Alt > key, drag the mouse<br>cursor.  | Select the component input and output ports that are fully inside the rectangular target area.  |
| Select and drag from the origin port<br>on a component to destination port<br>on another component.                            | Create a wire connection between component ports.<br>Pressing the space key while dragging opens the Transmitter or Reciever<br>Form dialog window. |
| Select wires and press < Space > key.  | Connect the wires to the Transmitter and Reciever components.   |
| Select and drag from multiple origin<br>ports of a component to destination<br>port on another component.                      | Create multiple wire connections between component port   |
| Select output ports of audio<br>components when the Probe<br>Monitor component is ON.  | Sets Monitor Probe 1.   |
| Hold down the < Shift > key and<br>select the output port of the audio<br>component when the Probe Monitor<br>component is On. | Sets Monitor Probe 2.   |
| Select the input port of the audio<br>component when the Probe Monitor<br>component is On.                                     | Sets the oscillator probe.  |

# 6. List of alerts

If the devices malfunctions, an alert message will appear on the display. If an alert is already displayed when a higher level malfunction occurs, the alert for the higher level malfunction will appear. For details on each alert, please refer to the links below.

## 6.1. Power amplifiers

PC series XMV series

## 6.2. Processor

DME10/DME7 MRX7-D MTX5-D,MTX3

## 6.3. Powered Speakers

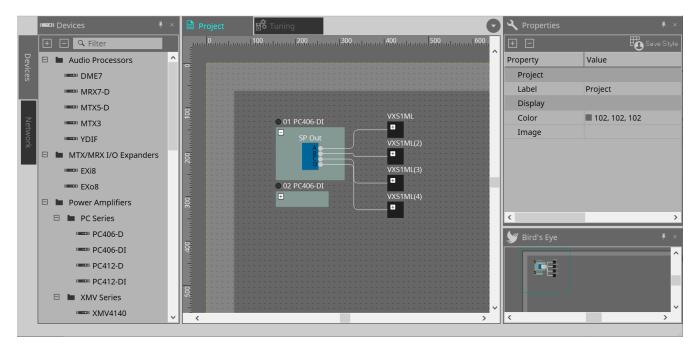
DZR/DXS-XLF series

# 7. "Project" sheet

- 7.1 "Project" sheet
- 7.2 "Devices" area
- 7.3 "Network" area
- 7.4 "Properties" area
- 7.5 Placing devices
- 7.6 Selecting multiple objects
- 7.7 Connecting ports
- 7.8 Duplicating devices
- 7.9 "Group" Editor

When you open the "Project" sheet, the "Devices" area, "Network" area, "Project" sheet, "Properties" area, and "Bird's Eye" view appear.

"Bird's Eye" view shows the entirety of the "Project" sheet.

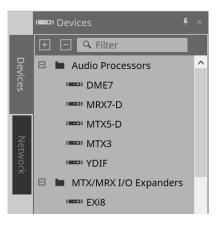


## 7.1. "Project" sheet

You can place devices in this sheet. The devices placed here are registered in the project. Basic settings for a registered device are made in the "Properties" area.

## 7.2. "Devices" area

To place a device in the "Project" sheet as a virtual device, drag and drop the device from this area.





For more information on the YDIF, refer to the section for the "YDIF".

# 7.3. "Network" area

The devices that are on the same network as the computer are detected and shown here.

A device shown here can be registered in the project by dragging and dropping it into the "Project" sheet. When you click the [Unit ID] button, the "Change Unit ID" dialog box appears.

|         | < Networ | k         |             | ₹×                 |
|---------|----------|-----------|-------------|--------------------|
|         | ÷ = <    | ک Filter  |             |                    |
| Devices | PVD-enab | led       |             |                    |
| S,      | Unit ID  |           | Det         | tected Devices : 2 |
|         | Unit ID  | Model     | Device Name | IP Address         |
| -       | 01       | DME7      | DME7        | 192.168.0.1        |
| letw    | 33       | XMV4280-D | XMV4280-D   | 192.168.0.51       |
| Network |          |           |             |                    |
|         |          |           |             |                    |
|         |          |           |             |                    |
|         |          |           |             |                    |
|         |          |           |             |                    |
|         |          |           |             |                    |
|         |          |           |             |                    |

## RM-CG / RM-TT

To control these devices, you must log in to ProVisionaire Design.

If the initial password has not been specified, the 🔤 icon will appear. If the initial password has been specified but you have not logged in, the 🛃 icon will appear.

You can control these devices via "RM Settings," which you can access from the context menu or [System] menu.

## 7.3.1. "Change Unit ID" dialog box

In this dialog box you can change the UNIT ID of the device. When you change the UNIT ID, that device will restart, so it will temporarily disappear from the "Network" area.

You can't change the UNIT ID of a device that is in the online state.

Applicable devices: DME10/DME7, PC series, RM-CG, RM-TT, VXL1-16P, DZR/DXS-XLF series (Dante models only)



This operation does not apply to the MTX series or XMV series units. Use the dip switches on the rear panel to set the Unit ID.

| S CI  | hange Unit  | ID             |                  |         |             |    | ×             |  |  |  |  |  |
|-------|---|----------------|------------------|---------|-------------|----|---------------|--|--|--|--|--|
| Pleas | Please go offline or unlock a locked Dante device to change settings. |                |                  |         |             |    |               |  |  |  |  |  |
| A     | Auto Unit ID Starting From 01 💌                                       |                |                  |         |             |    |               |  |  |  |  |  |
| U     | Unique Uni  | t ID in a 🖲 mo | odel. 🔿 project. |         |             |    |               |  |  |  |  |  |
| Re    | efresh  |                |                  |         |             |    | Accessibility |  |  |  |  |  |
|       | Unit ID   | Model          | Device Name      | Status  | IP Address  |    |               |  |  |  |  |  |
|       | 01  | DME7           | DME7             | OFFLINE | 192.168.0.1 |    |               |  |  |  |  |  |
|       | 0A  | PC412-DI       | PC412-DI         | OFFLINE | 192.168.0.3 |    |               |  |  |  |  |  |
|       |   |                |                  |         |             |    |               |  |  |  |  |  |
|       |   |                |                  |         |             | OK | Cancel        |  |  |  |  |  |

## · [Auto] button

Automatically assigns a UNIT ID to each device, starting with the number selected in the [Unit ID Starting From] list box.

## ' [Unique Unit ID in a model/project] option buttons

Specify whether the UNIT ID assignments that are made when you press the [Auto] button are unique for each model or unique for each project.

## • [Refresh] button

Updates the device list located below the button.

## • [Accessibility] button

Opens a supplementary "Unit ID" window that lets you change the UNIT ID of the currently selected device. The "Unit ID" window also opens when you right-click somewhere other than the Identify button or the [Unit ID] text box in the device list below.

#### • Device list

The devices that are on the same network as the computer are detected and shown here.

#### Identify button

When you press this button located at the left of the UNIT ID, the indicators of the corresponding device will flash for several seconds.

## [Unit ID] text box

Specifies the UNIT ID of the corresponding device.

## [Model]/[Device Name]/[Status]/[IP Address]

Show information for the device. You can click to sort the list.

## "Unit ID" dialog box



Click the buttons to display the Unit ID at the top. You can change the Unit ID for one or more devices.



If you select "0" for the higher digit while the lower digit has been set to "0," the higher digit will automatically be set to "1."

## • [Apply] button

Applies the Unit ID to the currently-selected device.

# 7.4. "Properties" area

Here you can view and edit information about the sheet or object.

For details on items related to the settings of a device, or on items that appear in the dialog box when you click, refer to the section on each device.

| Image: Constant of the second seco |                    |                        | =          |
|---|--------------------|------------------------|------------|
| PropertyValueDeviceModelDME7Capacity64Sampling Frequency96kHzDevice NameDME7Unit ID01DCPUtilities5Brightness6LCD Contrast9Auto Dimmer TimeNeverDimmer Ratio25%Auto Lock TimeNeverDisplay25%FontA [Noto Sans, 12]NameNoto SansSize12BoldFalseItalicFalseStrikeoutFalseFont Color25%, 133, 153, 148Border Color255, 255, 255, 255, 255Background Color255, 133, 153, 148Border Color256, 133, 153, 148Border Color255, 133, 153, 148Border Color255, 133, 153, 148Border Color256, 133, 153, 148Border Color256, 133, 153, 148Border Color255, 255, 255, 255, 255Size120, 36Y228 </th <th>A Properties</th> <th></th> <th></th>   | A Properties       |                        |            |
| DeviceModelDME7Capacity64Sampling Frequency96kHzDevice NameDME7Unit ID01DCP01Utilities6LCD Contrast9Auto Dimmer TimeNeverDimmer Ratio25%Auto Lock TimeNeverEnable Unlock PINOffDisplay12FontA [Noto Sans, 12]NameNoto SansSize12BoldFalseItalicFalseStrikeoutFalseFont Color255, 255, 255, 255Background Color255, 133, 153, 148Foreground Color255, 133, 153, 148Border Color255, 133, 153, 148Border Color216, 228X216Y228Size120, 36Width120Height36   | ± =                | ®                      | Save Style |
| ModelDME7Capacity64Sampling Frequency96kHzDevice NameDME7Unit ID01DCP01Utilities01Utilities01CDC ontrast9Auto Dimmer TimeNeverDimmer Ratio25%Auto Lock TimeNeverEnable Unlock PINOffDisplay0ffSize12BoldFalseItalicFalseStrikeoutFalseItalicFalseFont Color255, 133, 153, 148Foreground Color255, 133, 153, 148Border Color255, 133, 153, 148Border Color216, 228X216Y228Size120, 36Width120Height36  | Property           | Value                  |            |
| Capacity64Sampling Frequency96kHzDevice NameDME7Unit ID01DCPUtilitiesBrightness6LCD Contrast9Auto Dimmer TimeNeverDimmer Ratio25%Auto Lock TimeNeverEnable Unlock PINOffDisplayFontA [Noto Sans, 12]NameNoto SansSize12BoldFalseItalicFalseItalicFalseFont Color255, 133, 153, 148Foreground Color255, 133, 153, 148Border Color255, 133, 153, 148Border Color216, 228X216Y228Size120, 36Width120Height36   | Device             |                        |            |
| Sampling Frequency96kHzDevice NameDME7Unit ID01DCP-Utilities-Brightness6LCD Contrast9Auto Dimmer TimeNeverDimmer Ratio25%Auto Lock TimeNeverEnable Unlock PINOffDisplay-FontA [Noto Sans, 12]NameNoto SansSize12BoldFalseItalicFalseStrikeoutEaseFont Color255, 255, 255, 255, 255Background Color255, 133, 153, 148Border Color255, 133, 153, 148Border Color216, 228X216Y228Size120, 36Width120Height36   | Model              | DME7                   |            |
| Device NameDME7Unit ID01DCP-Utilities-Brightness6LCD Contrast9Auto Dimmer TimeNeverDimmer Ratio25%Auto Lock TimeNeverEnable Unlock PINOffDisplay-FontA [Noto Sans, 12]NameNoto SansSize12BoldFalseItalicFalseUnderlineFalseFont Color255, 255, 255, 255Background Color255, 133, 153, 148Foreground Color255, 133, 153, 148Border Color216, 228X216Y228Size120, 36Width120Height36  | Capacity           | 64                     |            |
| Unit ID01DCPDCPUtilitiesBrightness6LCD Contrast9Auto Dimmer TimeNeverDimmer Ratio25%Auto Lock TimeNeverEnable Unlock PINOffDisplayFontA [Noto Sans, 12]NameNoto SansSize12BoldFalseItalicFalseItalicFalseUnderline255, 255, 255, 255, 255Background Color255, 133, 153, 148Border Color255, 133, 153, 148Border Color255, 89, 104, 100Brush StyleSimpleGradientVerticalY228Y228Width120Width120Height36   | Sampling Frequency | 96kHz                  |            |
| DCPDCPDCPImage: Construct of the second                                      | Device Name        | DME7                   |            |
| UtilitiesBrightness6Brightness6LCD Contrast9Auto Dimmer TimeNeverDimmer Ratio25%Auto Lock TimeNeverEnable Unlock PINOffDisplay0ffDisplay12BoldFalseItalicFalseItalicFalseStrikeoutFalseItalicFalseFont Color255, 255, 255, 255, 255Background Color255, 133, 153, 148Border Color255, 133, 153, 148Border Color216, 228X216Y228Size120, 36Width120Height36  | Unit ID            | 01                     |            |
| Brightness6LCD Contrast9Auto Dimmer TimeNeverDimmer Ratio25%Auto Lock TimeNeverEnable Unlock PINOffDisplayV□ FontA [Noto Sans, 12]NameNoto SansSize12BoldFalseItalicFalseItalicFalseUnderlineFalseFont Color255, 255, 255, 255Background Color255, 133, 153, 148Border Color255, 133, 153, 148Border Color216, 228X216Y228Size120, 36Width120Height36   | DCP                |                        |            |
| LCD Contrast9Auto Dimmer TimeNeverDimmer Ratio25%Auto Lock TimeNeverEnable Unlock PINOffDisplayOffBoldAlto EaseSize12BoldFalseItalicFalseUnderlineFalseFont Color255, 255, 255, 255, 255Background Color255, 133, 153, 148Foreground Color255, 133, 153, 148Border Color255, 89, 104, 100Brush StyleSimpleGradientVerticalY228Size120, 36Width120Height36   | Utilities          |                        |            |
| Auto Dimmer TimeNeverDimmer Ratio25%Auto Lock TimeNeverEnable Unlock PINOffDisplayFontA [Noto Sans, 12]NameNoto SansSize12BoldFalseItalicFalseStrikeoutFalseUnderlineFalseFont Color255, 255, 255, 255Background Color255, 133, 153, 148Border Color255, 89, 104, 100Brush StyleSimpleGradientVerticalLocation216, 228X216Y228Width120Height36  | Brightness         | 6                      |            |
| Dimmer Ratio25%Auto Lock TimeNeverEnable Unlock PINOffDisplayImage: Constraint of the second secon   | LCD Contrast       | 9                      |            |
| Auto Lock TimeNeverEnable Unlock PINOffDisplayIterationFontA [Noto Sans, 12]NameNoto SansSize12BoldFalseItalicFalseStrikeoutFalseUnderlineFalseFont Color255, 255, 255, 255Background Color255, 133, 153, 148Foreground Color255, 89, 104, 100Brush StyleSimpleGradientVerticalV228Y228Size120, 36Width120Height36  | Auto Dimmer Time   | Never                  |            |
| Enable Unlock PIN       Off         Display       A [Noto Sans, 12]         Font       A [Noto Sans, 12]         Name       Noto Sans         Size       12         Bold       False         Italic       False         Underline       False         Font Color       255, 255, 255, 255, 255         Background Color       255, 133, 153, 148         Foreground Color       255, 89, 104, 100         Bursh Style       SimpleGradientVertical         Y       228         Size       120, 36         Width       120         Width       36  | Dimmer Ratio       | 25%                    |            |
| Display         Font       A [Noto Sans, 12]         Name       Noto Sans         Size       12         Bold       False         Italic       False         Underline       False         Font Color       255, 255, 255, 255, 255         Background Color       255, 133, 153, 148         Foreground Color       255, 89, 104, 100         Brush Style       SimpleGradientVertical         Location       216, 228         X       216         Y       228         Size       120, 36         Width       120   | Auto Lock Time     | Never                  |            |
| □FontA [Noto Sans, 12]NameNoto SansSize12BoldFalseItalicFalseStrikeoutFalseUnderlineFalseFont Color255, 255, 255, 255Background Color255, 133, 153, 148Border Color255, 89, 104, 100Brush StyleSimpleGradientVertical□LocationX216Y228Size120, 36Width120Height36   | Enable Unlock PIN  | Off                    |            |
| NameNoto SansSize12BoldFalseItalicFalseStrikeoutFalseUnderlineFalseFont Color255, 255, 255, 255Background Color255, 133, 153, 148Border Color255, 89, 104, 100Brush StyleSimpleGradientVerticalLocation216, 228X216Y228Size120, 36Width120Height36  | Display            |                        |            |
| Size12BoldFalseItalicFalseStrikeoutFalseUnderlineFalseFont Color255, 255, 255, 255Background Color255, 133, 153, 148Foreground Color255, 89, 104, 100Brush StyleSimpleGradientVerticalLocation216, 228X216Y228Size120, 36Width120Height36   | Font               | A [Noto Sans, 12]      |            |
| BoldFalseItalicFalseStrikeoutFalseUnderlineFalseFont Color255, 255, 255, 255Background Color255, 133, 153, 148Foreground Color255, 133, 153, 148Border Color255, 89, 104, 100Brush StyleSimpleGradientVerticalLocation216, 228X216Y228Size120, 36Width120Height36   | Name               | Noto Sans              |            |
| ItalicFalseStrikeoutFalseUnderlineFalseFont Color255, 255, 255, 255Background Color255, 133, 153, 148Foreground Color255, 89, 104, 100Border Color255, 89, 104, 100Brush StyleSimpleGradientVerticalLocation216, 228X216Y228Size120, 36Width120Height36   | Size               | 12                     |            |
| StrikeoutFalseUnderlineFalseFont Color255, 255, 255, 255, 255Background Color255, 133, 153, 148Foreground Color255, 133, 153, 148Border Color255, 89, 104, 100Brush StyleSimpleGradientVerticalCocation216, 228X216Y228Size120, 36Width120Height36  | Bold               | False                  |            |
| Underline         False           Font Color         255, 255, 255, 255           Background Color         255, 133, 153, 148           Foreground Color         255, 133, 153, 148           Border Color         255, 89, 104, 100           Brush Style         SimpleGradientVertical           Location         216, 228           Y         228           Size         120, 36           Width         120           Height         36  | Italic             | False                  |            |
| Font Color         255, 255, 255, 255           Background Color         255, 133, 153, 148           Foreground Color         255, 133, 153, 148           Border Color         255, 89, 104, 100           Brush Style         SimpleGradientVertical           Location         216, 228           Y         228           Size         120, 36           Width         120           Height         36  | Strikeout          | False                  |            |
| Background Color         255, 133, 153, 148           Foreground Color         255, 133, 153, 148           Border Color         255, 89, 104, 100           Brush Style         SimpleGradientVertical           Location         216, 228           X         216           Y         228           Size         120, 36           Width         120           Height         36  | Underline          | False                  |            |
| Foreground Color         255, 133, 153, 148           Border Color         255, 89, 104, 100           Brush Style         SimpleGradientVertical           Location         216, 228           X         216           Y         228           Size         120, 36           Width         120           Height         36  | Font Color         | 255, 255, 255, 255     |            |
| Border Color         255, 89, 104, 100           Brush Style         SimpleGradientVertical           Location         216, 228           X         216           Y         228           Size         120, 36           Width         120           Height         36  | Background Color   | 255, 133, 153, 148     |            |
| Brush StyleSimpleGradientVerticalE Location216, 228X216Y228Size120, 36Width120Height36  | Foreground Color   | 255, 133, 153, 148     |            |
| Location         216, 228           X         216           Y         228           Size         120, 36           Width         120           Height         36  | Border Color       | 255, 89, 104, 100      |            |
| X         216           Y         228           Size         120, 36           Width         120           Height         36  | Brush Style        | SimpleGradientVertical |            |
| Y         228           I Size         120, 36           Width         120           Height         36  | □ Location         | 216, 228               |            |
| □ Size         120, 36           Width         120           Height         36  | Х                  | 216                    |            |
| Width     120       Height     36   | Y                  | 228                    |            |
| Height 36   | □ Size             | 120, 36                |            |
|   | Width              | 120                    |            |
|   | Height             | 36                     |            |
| Output Wiring Step 0  | Output Wiring Step | 0                      |            |
| Input Wiring Step 0   | Input Wiring Step  | 0                      |            |

## • [Save Style] button

Click the [Save Style] button to save the information displayed in the "Properties" area to the computer as the default values. These values will be applied to other newly-created projects.

Components, ports, wires, and the design sheet are saved.

Items specified in the "Properties" area can be saved as a user style, so that the next time you place a new component or connect wires, they will be placed with the same appearance as was saved in the style. If you want to use the same user style on another computer, execute one of the following procedures.

- Use [File] menu → [Export Style] to save the user style as a file; then use [File] menu → [Import Style] on the other computer to load the file.
- Use [File] menu → [Save with Style] to create a project file that includes the user style; then after loading the file on the other computer, use [File] menu → [Import Style from Project File] to load it.

## • Device

## • Model

Indicates the model name.

## • Device Name

Indicates the User Defined Name of the target device. Double-click this field to edit the name.

## • Unit ID

Indicates the Unit ID for the device. You cannot edit this field while the device is online.

## • Display

## • Output Wiring Step

Set length of output side wiring step. If equal spacing is desired, please set "Wire Routing" to Automatic and set "Auto Block Avoidance" to False.

## ◦ Input Wiring Step

Set length of input side wiring step. If equal spacing is desired, please set "Wire Routing" to Automatic and set "Auto Block Avoidance" to False.

## • Object

When the port of a device or component on the sheet is selected, click the me that appears when you click on Label to open the Port Label dialog.

## 7.5. Placing devices

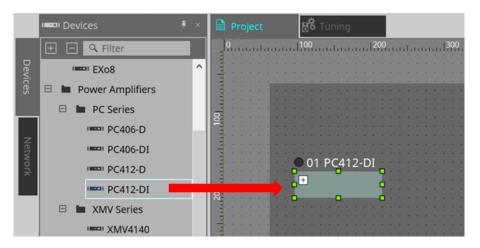
Here we explain how to place devices on the "Project" sheet.



• If any object in the "Devices" area or "Network" area is selected, pressing an alphabetical key will select the component of the matching initial letter.

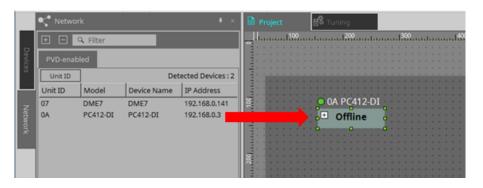
## \* Drag and drop a device from the "Devices" area into the "Project" sheet.

You can select the number of devices and the UNIT ID. The UNIT ID can be changed in the "Properties" area.



• Connect the computer to the network of devices, and then drag and drop a device from the "Network" area into the "Project" sheet.

If a device that you understand to be connected is not shown in the "Network" area, check that the device actually is connected to the network, and that it is powered-on. Speakers are not shown in the "Network" area.





 Double-click [Device Group] to select Stamp mode, and then click the "Project" sheet to place a [Device Group] each time you click the sheet. To exit Stamp mode, press < Esc >.

# 7.6. Selecting multiple objects

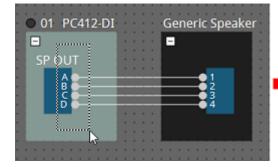
Here we explain how to select multiple objects placed in the "Project" sheet.

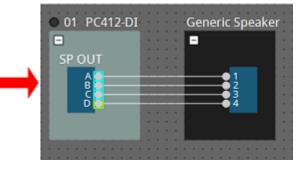
- Use the mouse cursor to completely enclose objects By dragging the mouse cursor, you can select the objects that are completely enclosed in the rectangular area on the sheet.
- Hold down < Ctrl > and use the mouse cursor to completely or partially enclose objects By dragging the mouse cursor while you hold down < Ctrl >, you can select the objects that are completely or partially enclosed in the rectangular area on the sheet.

To select objects inside a device, start dragging inside that device. Only the objects inside that device are subject to selection.



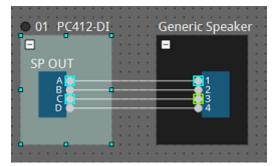
If the selection encloses a Device Group, and the point at which you start dragging is on the sheet, then the objects on the sheet are selected. If the point at which you start dragging is on a Device Group, then objects inside that Device Group are selected.





## • Hold down < Ctrl > and click objects

To select multiple objects, hold down < Ctrl > and click each target that you want to select. If you hold down < Ctrl > and click an object that is already selected, the selection is cleared.

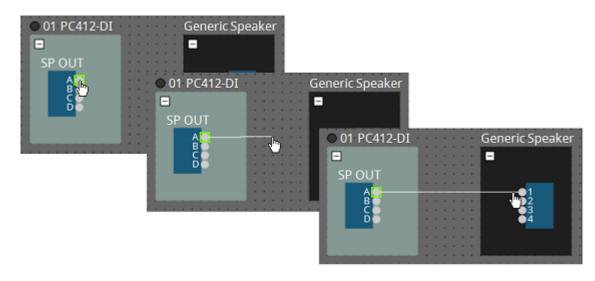


# 7.7. Connecting ports

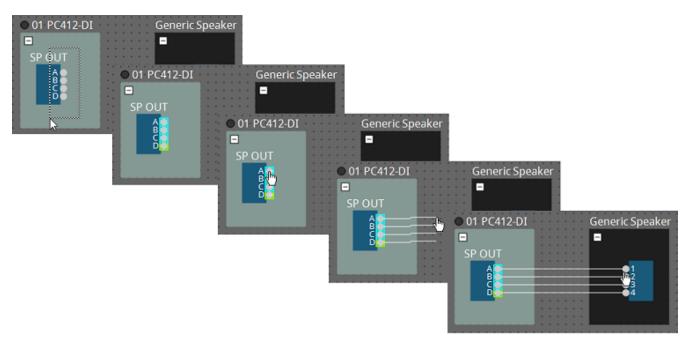
Here we explain how to make connections between ports of devices by creating a wire between the ports.

## • Make one connection at a time

Drag one output port to the input port of the destination device.



• Make multiple connections at a time Select multiple output ports, and drag one of these ports to an input port of the destination device.

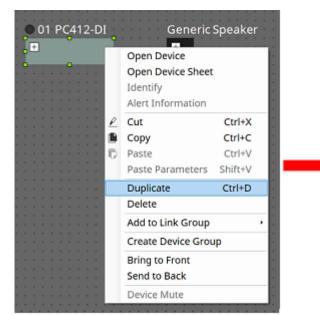


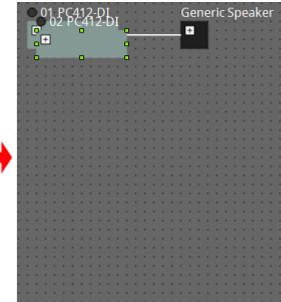
# 7.8. Duplicating devices

Here we explain how to duplicate devices together with their parameters.

## ' Right-click an object and choose [Duplicate]

A duplicate, overlapping object is created. If multiple objects with their wires are selected when you choose [Duplicate], the objects are duplicated together with their wires.



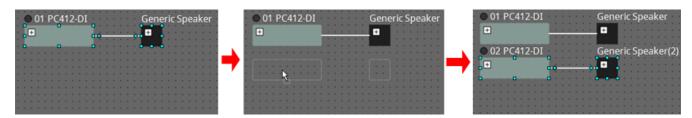


• **Drag and drop an object while holding down < Ctrl >** A duplicate is created where you drop the object.

| • 01 PC412-DI | ì | ì | ì | ì | ì | ì  | ì | G | en | e  | ric | : 5 | Бр | e  | al | ĸe | er | Ł  |
|---------------|---|---|---|---|---|----|---|---|----|----|-----|-----|----|----|----|----|----|----|
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|               |   | į | l | ì | l | l  | l |   | 1  | ļ  | į   | į,  | į, | į, |    | ļ  | ļ  | Į. |
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|             | 1 | • |   | • | • | • | • • | •   | ••• | •   | •  | • | •  | •  | • • |
|             |   |   |   |   |   | ì | : : |     |     | ì   | i  |   |    |    | : : |
|             |   |   |   |   |   |   |     |     |     |     |    |   |    |    |     |

• Drag and drop objects with their wires while holding down < Ctrl > Duplicates of the components together with their wires are created where you drop the component.

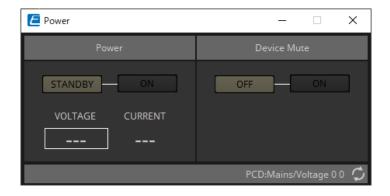


# 7.9. "Group" Editor

The devices in a device group can be powered on/off or muted in a single step.

When you double-click a device group or right-click and choose [Open Group Editor] from the context menu, the "Group Editor" opens.

This is available only when online.



• "Power" area

Switches the power of the devices in the device group to standby or on at once.

• "Device Mute" area

Enables/disables the mute setting of the devices in the device group at once.

# 8. "Tuning" sheet

- 8.1 "Tuning" sheet
- 8.2 "Properties" area
- 8.3 "Project Devices" area
- 8.4 "Link Groups" area

Applicable devices: PC series, XMV series, DZR/DXS-XLF series (Dante models only)

Power amp channels that are grouped across devices of the same series are called a "link group." By using the link group editor, grouped channels can be operated in tandem, as either relative values or absolute values of the same type of percenter.

same type of parameter.

To create a link group, you can drag and drop a [Group] from the "Components" area of the "Tuning" sheet. In the "Components" area, you can double-click [Group] to enter Stamp mode. A [Group] is placed each time you click the sheet. To exit Stamp mode, press < Esc >.

Registration to a link group can be done in the following ways.

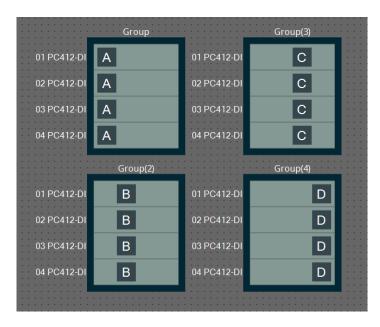
| Registration source | Registration method   |
|---------------------|---|
| "Project" sheet     | Right-click a device, and use [Add to Link Group] to select the channel and link group that will be registered.   |
|                     | After selecting multiple devices, right-click a device and use [Add to Link Group] to select the channel and link group that will be registered.                        |
| "Tuning" sheet      | In the "Project Devices" area, drag and drop a channel from "Amplifiers" or "Speakers" into [Group].  |
|                     | In the "Project Devices" area, right-click a channel of "Amplifiers" or "Speakers" and use [Add to Link Group] to select the link group to which it will be registered. |

When you double-click an object in the "Tuning" sheet, the link group component editor opens. For details on the link group component editor, refer to the component editor of each device.

| Visionaire Design                   |  |              | - o           |
|-------------------------------------|--|--------------|---------------|
| Edit View System Tools Arrange Wine |  |              |               |
| E = = 5 C ∠ = D •                   | Q 000% → Q 10 = T 11 = H 10 E II = 100% → N  |              |               |
|                                     | Commer S Scia Made   |              |               |
|                                     |  |              |               |
|                                     |  | A Properties |               |
| E Q Filter                          | 🛛 💼 🗤 Romanda anna 1997 an tao ann 2007 an | Ξ            | 🐻 Sarra Sty   |
| Group                               |  | Property N   | /alue         |
|                                     |  | Display      |               |
|                                     |  |              | 102, 102, 102 |
|                                     |  | Image        |               |
|                                     | 9  | anoge        |               |
|                                     |  |              |               |
|                                     |  |              |               |
|                                     | Group  |              |               |
|                                     |  |              |               |
|                                     | 01 PC412 D A B C D   |              |               |
|                                     |  |              |               |
|                                     | 02 PC412-D A B C D   |              |               |
|                                     |  |              |               |
|                                     |  |              |               |
|                                     | C(0)   |              |               |
|                                     | Group(2)   |              |               |
|                                     |  |              |               |
|                                     | B 01 PC412-DI A B C D  |              |               |
|                                     |  |              |               |
|                                     | 02 PC412-DI A B C D  | ۲.           |               |
|                                     |  |              |               |
|                                     |  |              |               |
|                                     | 880  |              |               |
|                                     |  |              |               |
|                                     |  | A            |               |
|                                     |  | 🐓 Bird's Eye |               |
|                                     |  |              |               |
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|                                     |  |              |               |
|                                     | 2  |              |               |
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|                                     |  |              |               |
|                                     |  |              |               |
|                                     |  |              |               |
|                                     |  |              |               |
|                                     |  |              |               |

# 8.1. "Tuning" sheet

This visualizes the link groups.



When you right-click a link group and choose [Open Link Group Editor], the link group editor appears. For details on the link group editor, refer to each model of power amp.

# 8.2. "Properties" area

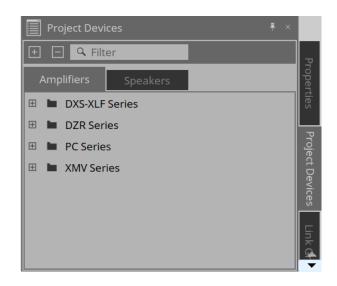
Here you can view and edit information about the sheet or object. When you click the [Save Style] button, information other than [Location] is saved on the computer, and set as the default settings for that object.

| ◄ Properties | *                      | ×  |                 |
|--------------|------------------------|----|-----------------|
| Ð E          | Bave Sty               | le | Ţ               |
| Property     | Value                  | ^  | Properties      |
| Link Groups  |                        |    | rties           |
| Label        | Group                  |    |                 |
| Display      |                        |    | Pro             |
| 🗆 Font       | A [Noto Sans, 12]      |    | Project Devices |
| Name         | Noto Sans              |    | Devi            |
| Size         | 12                     |    | Ces             |
| Bold         | False                  |    |                 |
| Italic       | False                  |    | _ink Groups     |
| Strikeo      | False                  |    | Gro             |
| Underl       | False                  |    | sdr             |
| Font Color   | 255, 255, 255, 255     |    |                 |
| Backgrou     | 255, 0, 38, 51         |    |                 |
| Foregrou     | 255, 0, 38, 51         |    |                 |
| Border Col   | 255, 0, 38, 51         |    |                 |
| Brush Style  | SimpleGradientVertical |    |                 |
| <            | >                      | -  |                 |

# 8.3. "Project Devices" area

This shows the devices that are registered in the project as a tree.

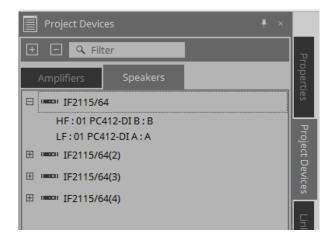
## 8.3.1. [Amplifiers]



You can expand this to see the channels of the power amp.

Register a channel in a link group by dragging and dropping it onto [Group]. For details on the context menu that appears when you right-click, refer to Context Menu.

## 8.3.2. [Speakers]



When you expand this, the "Project" sheet shows the channels of the power amps connected to the speaker ports.

Register a channel in a link group by dragging and dropping it onto [Group].

For details on the context menu that appears when you right-click, refer to Context Menu.

# 8.4. "Link Groups" area

This shows a tree view of the link groups and the power amp channels that are registered in the link groups.



For details on the context menu that appears when you right-click, refer to Context Menu.

# 9. Online and synchronization

9.1 Online 9.2 Offline

You can connect devices to the computer, and send them settings that were created using ProVisionaire Design. You can also load data from devices into ProVisionaire Design.

The state in which the devices and ProVisionaire Design are operating in synchronization is called the "online

state." The action of bringing them into this state is called "Synchronization." Synchronization will match the settings of ProVisionaire Design and the devices themselves; when the settings of both are in a matching state, they will go online, allowing the devices to be controlled in real time.

# 9.1. Online

To enter the online state in ProVisionaire Design, click the toolbar button [Online] to access the "Synchronization" dialog box.

Alternatively, select "Go Online - From Devices" from the [File] menu.

## 9.1.1. "Synchronization" dialog box

| Synchronization             | ×   |
|-----------------------------|-----|
| To Device     O From Device |     |
|                             |     |
| All On All Off              |     |
| Device Status Progress      |     |
| OFFLINE                     |     |
| ☑ 33 XM OFFLINE             |     |
|                             |     |
|                             |     |
|                             |     |
| Message                     |     |
|                             |     |
|                             |     |
|                             | _   |
| Abort Online Cl             | ose |

## • [To Device] option button

Choose this if you want the settings of ProVisionaire Design to be applied to the devices.

## • [From Device] option button

Choose this if you want the settings of the devices to be reflected in ProVisionaire Design.



The system must have been previously configured using ProVisionaire Design. In addition, you need to use the project file that was created at that time.

## · [All On] button

Adds a check mark to the [Device] check boxes of all devices in the device list.

## • [All Off] button

Clears the check mark from the [Device] check boxes of all devices in the device list.

## Device list

This shows the devices that are registered in the project.

[Device] check box
 Add a check mark to each device that you want to synchronize.

## • Status

Indicates the state of synchronization with the device. The indication has the following significance.

- 。Green: Offline
- White: Lost

"Lost" is a state in which ProVisionaire Design cannot find the device, such as because the device is not powered-on.

- 。Blue: Online
- 。 Yellow: Not compatible
- Progress

Shows the progress of synchronization.

- Message area Details are shown in this area if you click the [Abort] button to stop the process or if an error occurs.
- [Abort] button

Click this to stop synchronization.

• [Online] button

Click this to begin synchronization with the selected devices.

• [Close] button

Cancels synchronization and closes the dialog box. This cannot be clicked during synchronization.

## 9.1.2. Procedure

- In the toolbar, click the [Online] button. The "Synchronization" dialog box will appear.
- Choose either [To Device] or [From Device] to specify the direction in which synchronization will occur. <u>If you choose [To Device]</u>

The settings of ProVisionaire Design will be transmitted to the devices, overwriting their settings.

## If you choose [From Device]

The settings of the devices will be loaded into ProVisionaire Design.

- 3. Add a check mark for each device that you want to bring online.
- 4. Click the [Online] button.

Synchronization will begin.

The synchronization progress is displayed.

If you click the [Abort] button, the operation will be halted. This can be a useful way to save time, for example if you've noticed a mistake during synchronization and want to edit a parameter. The settings will have been partially transmitted, so after you've made changes, be sure to complete synchronization to the end.

When synchronization has ended successfully, the dialog box will close automatically.

## 9.1.3. **Go Online- From Devices** dialog box

The settings for the devices found on the network can be applied to the currently-edited project file or to a new file. If the system was previously configured using ProVisionaire Design but no project file from the configuration is available, you can still apply the device settings to the current project file.

To open this dialog box, click [Go Online - From Devices] from the [File] menu on the menu bar.

| 📑 Go Online - From Devices | ×            |
|----------------------------|--------------|
| All On All Off             |              |
| Device Status              | Progress     |
| 01 DME7 OFFLINE            |              |
| 33 XMV42 OFFLINE           |              |
|                            |              |
|                            |              |
|                            |              |
| Message                    |              |
|                            |              |
|                            |              |
|                            |              |
| Abort                      | Online Close |

## · [All On] button

Adds a check mark to the [Device] check boxes of all devices in the device list.

## ' [All Off] button

Clears the check mark from the [Device] check boxes of all devices in the device list.

## • Device list

This shows the devices that are registered in the project.

• [Device] check box

Add a check mark to each device that you want to synchronize.

## ' Status

Indicates the state of synchronization with the device. The indication has the following significance.

- 。Green: Offline
- White: Lost

"Lost" is a state in which ProVisionaire Design cannot find the device, such as because the device is not powered-on.

- $_{\circ}\,$  Blue: Online
- 。 Yellow: Not compatible
- \* Progress

Shows the progress of synchronization.

' Message area

Details are shown in this area if you click the [Abort] button to stop the process or if an error occurs.

## • [Abort] button

Click this to stop synchronization.

## • [Online] button

Click this to begin synchronization with the selected devices.

## • [Close] button

Cancels synchronization and closes the dialog box. This cannot be clicked during synchronization.

# 9.2. Offline

To enter the offline state in ProVisionaire Design, click the toolbar button [Offline] to access the "Offline" dialog box.

## 9.2.1. "Offline" dialog box



## • [All On] button

Adds a check mark to the [Device] check boxes of all devices in the device list.

' [All Off] button

Clears the check mark from the [Device] check boxes of all devices in the device list.

Device list

This shows the devices that are registered in the project.

• [Device] check box

Add a check mark for each device that you want to take offline.

• Status

Indicates the state of synchronization with the device. The indication has the following significance.

- Green: Offline
- White: Lost

"Lost" is a state in which ProVisionaire Design cannot find the device, such as because the device is not powered-on.

- Blue: Online
- Yellow: Not compatible

## • [Offline] button

When you click this, the selected devices go offline with ProVisionaire Design.

· [Close] button

Closes the dialog box.

# 10. Dialog boxes

10.1 Startup dialog box

- 10.2 "Go Online- From Devices" dialog box
- 10.3 "Protect File" dialog box
- 10.4 "Project Information" dialog box
- 10.5 "Print" dialog box
- 10.6 "File Storage" dialog box
- 10.7 "Network Setup" dialog box
- 10.8 "IP Settings" dialog box
- 10.9 "IP Address" dialog box
- 10.10 "Auto-Assign IP Addresses" dialog box
- 10.11 "Match Devices by IP Address" dialog box
- 10.12 "Device Information" dialog box
- 10.13 "Update Firmware" dialog box
- 10.14 "Initialize" dialog box
- 10.15 "Word Clock" dialog box
- 10.16 "Protect Devices" dialog box
- 10.17 "Clock" dialog box
- 10.18 "Daylight Saving Time" dialog box
- 10.19 "GPI Calibration" dialog box
- 10.20 "Get Log from Devices" dialog box
- 10.21 "RM Series Settings" > "Sign up" dialog box
- 10.22 "RM Series Settings" > "Login" dialog box
- 10.23 "RM Series Settings" > "Password Settings" dialog box
- 10.24 "RM Series Settings" > "Enable SCP remote control access" dialog box
- 10.25 "Linked Presets Manager" dialog box
- 10.26 "Store Linked Preset" dialog box
- 10.27 Port Label Dialog

This chapter explains the dialog boxes and windows that you can open from the menu bar or tool bar.

# 10.1. Startup dialog box

This appears when ProVisionaire Design starts.

| ProVisionaire Design      |    | ×   |
|---------------------------|----|-----|
| Existing File on computer |    |     |
| Path:                     |    | ×   |
|                           | ОК | New |

## ' [Path] pulldown menu

Lets you view and select a recently saved project file.

## • [...] button

Opens the "Select File" dialog box. Select the project file that you want to load.

## • [OK] button

Loads the project file that is shown in the [Path] pulldown menu.

## • [New] button

Starts a new project.

# 10.2. "Go Online- From Devices" dialog box

To open this dialog box, click [Go Online - From Devices] from the [File] menu on the menu bar. For more information on the "Go Online - From Devices" dialog box, refer to the "Online and synchronization" chapter.

| 😽 Go Online - From Devices |              | × |
|----------------------------|--------------|---|
| All On All Off             |              |   |
| Device Status              | Progress     |   |
| 01 DME7 OFFLINE            |              |   |
| 33 XMV42 OFFLINE           |              |   |
|                            |              |   |
|                            |              |   |
|                            |              |   |
| Message                    |              |   |
|                            |              |   |
|                            |              |   |
|                            |              |   |
| Abort                      | Online Close |   |

# 10.3. "Protect File" dialog box

To open this dialog box, click [Protect File] from the [File] menu on the menu bar. In ProVisionaire Design, you can specify a PIN code (secret number) in the project file for security.

| <b></b>  |          |
|--|----------|
| Protect File   | $\times$ |
| Protect  |          |
| PIN Code   |          |
| Note:<br>If the "Protect" box is checked, the PIN will be required to open th<br>saved file. | ıe       |
| OK Canc  | el       |

## ' [Protect] check box

If this check box is selected, the "Security" dialog box will appear when the project file starts. If this check box is cleared, all users will be able to open the project file.

## · [PIN Code]

If the [Protect] check box is selected, enter the PIN code (secret pass code). (The code should be six alphanumeric characters drawn from numbers 0 through 9 and letters a, b, c, d, e, and f. The code is not case sensitive.)



If you forget the PIN code, you will be unable to open the corresponding project file.

## • [OK] button

Updates the settings and closes the dialog box.

## • [Cancel] button

Closes the dialog box without updating the settings.

# 10.4. "Project Information" dialog box

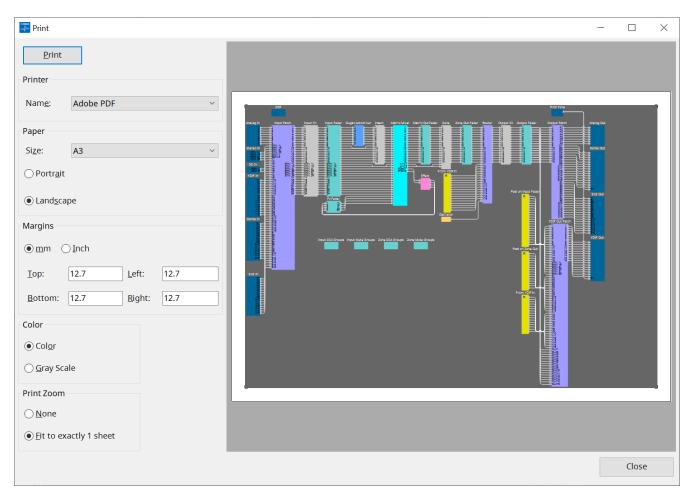
To open this dialog box, click [Project Information] from the [File] menu on the menu bar. Allows you to include a memo in the project file to record property information or contact information.

| Project Information  | × |
|--|---|
| Project Information  |   |
| 【Place】 Yamaha Corp, 10-1, Nakazawa-cho, Hamamatsu city<br>【TEL】 053-571-33**<br>【Attn.】 Mr.Yamaha |   |
| OK   | ] |

# 10.5. "Print" dialog box

To open this dialog box, click [Print] from the [File] menu on the menu bar.

Here you can make settings related to printing a sheet, specify the size of paper shown on the sheet, and see a print preview.



## • [Print] button

Click this to open the Windows "Print" dialog box.

## • Printer

• [Name] list box

Specifies the printer to use.

- Paper
  - [Size] list box

Specifies the size of the paper. If the [View] menu item [Print Area] has a check mark, the size of paper shown on the design sheet follows this setting.

• [Portrait]/[Landscape] option buttons

Specify the orientation of the paper. The orientation of the paper shown on the design sheet follows this setting.

• Margins

#### • [mm]/[Inch] option buttons Specify the units for the top, bottom, left, and right margins.

• **[Top]/[Bottom]/[Left]/[Right] text boxes** Specify the top, bottom, left, and right margins.

## • Color

## [Color]/[Gray Scale] option buttons

Specify whether to print in color or in gray scale.

## • Print Zoom

## • [None]/[Fit on one page] option buttons

Specify either that the printed content will be the region within the paper shown on the design sheet, or that the entire sheet will be reduced in size to fit on a single page.

## • Preview area

Shows a print preview.

# 10.6. "File Storage" dialog box

To open this dialog box, click [File Storage] from the [File] menu on the menu bar. You can save the project file

from ProVisionaire Design to the DME unit. Only one project file can be saved to each DME unit.

| FileSto | -          |              |                      |                       |                     |                             |                            |                                   |
|---------|------------|--------------|----------------------|-----------------------|---------------------|-----------------------------|----------------------------|-----------------------------------|
| "Save'  | or 'Save A | \s' is execu | ted while online, th | e project file will b | e saves in the spec | ified device. Please note t | hat any existing file save | d on the device will be overwritt |
| tore    | Unit ID    | Model        | Device Name          | Stored File           | Date                | Total Size/Size             | Free Space                 |                                   |
|         | 01         | DME7         | DME7                 |                       |                     | 0KB                         | 512000KB                   |                                   |
|         |            |              |                      |                       |                     |                             |                            |                                   |
|         |            |              |                      |                       |                     |                             |                            |                                   |
|         |            |              |                      |                       |                     |                             |                            |                                   |
|         |            |              |                      |                       |                     |                             |                            |                                   |
|         |            |              |                      |                       |                     |                             |                            |                                   |
|         |            |              |                      |                       |                     |                             |                            |                                   |
|         | nager      |              |                      |                       |                     |                             |                            | OK Cancel                         |

All DME units that are detected by ProVisionaire Design will be listed.

## • [Store] check box

Enables you to select a DME unit to which you wish to save the project file. You can select multiple DME units.

If you execute the Save, Save As, or Save with Style command while ProVisionaire Design and the devices are connected online, the project file will be automatically transferred and saved not only to the computer but also to currently-selected multiple DME units.



Please be aware that at this time, the files that are currently stored on the devices will be overwritten.

## ' Unit ID / Model / Device Name

These columns indicate the device Unit ID, device model name, and device name. To change the device name, use the [Device Name] field in the "Properties" area of the "Project" sheet.

• Stored File

If any file is stored on the device, this field will indicate the name of the file. If no file is stored on the device, this field will be empty. If no device is detected, this field will indicate "---."

• Date

If a file has already been stored on the device, this field will indicate the date and time at which the file was updated.

If no file is stored on the device, this field will be empty. If no device is detected, this field will indicate "---."

• Total Size/Size

For a device, this field indicates the size of the save destination. For a file, this field indicates the file size. If no device is detected, this field will indicate "---."

• Free Space

This field applies only to the device, and indicates the available space at the save destination. If no device is detected, this field will indicate "---."

## \* [File Manager] button

Click this button to open the [File Manager] dialog box.

## 10.6.1. [File Manager] dialog box

To open this dialog box, click the [File Manager] button in the [File Storage] dialog box. You can save any project file to the DME.

As the save destination, you can specify any DME unit that ProVisionaire Design detects on the network.

| 1 | 🕂 File M     | anager        |               |                     |             |      |                        |                        | ×          |
|---|--------------|---------------|---------------|---------------------|-------------|------|------------------------|------------------------|------------|
|   | Store        | Unit ID<br>01 | Model<br>DME7 | Device Name<br>DME7 | Stored File | Date | Total Size/Size<br>0KB | Free Space<br>512000KB | Status     |
|   | <<br>Store N | ow            | Downl         | oad Files           | Clear       |      |                        |                        | ><br>Close |

' [Store] check box

Enables you to select the save destination(s) when the "Store Now" command is executed. You can select multiple destinations.

' Status

Indicates the progress status of the save operation when the "Store Now" command is executed.

• [Store Now] button

Transfers the project file to the device(s) for which the check box has been marked.

[Download Files] button

Downloads the file from a device for which the check box has been marked.

• [Clear] button

Deletes a file that is stored on a device for which the check box has been marked.

# 10.7. "Network Setup" dialog box

To open this dialog box, click [Network Setup] from the [System] menu on the menu bar.

Here you can select the computer's network interface card (subsequently called the "network card") used for communicating with devices.

You can also change the IP address of the network card.



If you're not using a DHCP server, fix the IP address of your computer's network card. We recommend the following settings. IP address: 192.168.0.253 Subnet mask: 255.255.255.0

| 🖶 Network Setup  |                   |                      | ×              |
|--|-------------------|----------------------|----------------|
| Select the network card(s) that<br>the devices.<br>Up to two check boxes can be                |                   | o communicate wit    |                |
| Network Card Name  | Status            | IP Address           | Subnet Mask    |
| 🗹 Ethernet   | Up                | 192.168.0.120        | 255.255.255.0  |
|  |                   |                      |                |
| If the device's IP address is 192<br>IP address : 192.168.0.253<br>Subnet Mask : 255.255.255.0 | 2.168.0.x, the fo | ollowing settings ar | e recommended; |
|  |                   |                      | OK Cancel      |

If the computer is not connected to the network, click the [Cancel] button to close the dialog box.

## \* Network Card Name

Shows the name of the network card.

• Status

Shows the status of the network card (Up or Down).

' IP Address and Subnet Mask

Indicates the IP address and subnet mask that are assigned to the network card. Select a network card of the same subnet as the devices.

## • [Open Network Connections] button

Opens the control panel "Network Connections." Use this when you want to change the IP address of the network card.

• [OK] button

Updates the settings and closes the dialog box.

## • [Cancel] button

Closes the dialog box without updating the settings.

## 10.8. "IP Settings" dialog box

To open this dialog box, click [IP Settings] from the [System] menu on the menu bar. Lists the devices found on the network, allowing you to change their IP address.

| twork Inte             | erface    |                                  |  |                   |   |                                |                 |  |
|------------------------|-----------|----------------------------------|--|-------------------|---|--------------------------------|-----------------|--|
| Network Card: イーサネット 3 |           |                                  |  |                   |   |                                |                 |  |
| P Address:             |           | 192.168.100.227                  | Subnet   | Mask: 25          | 5.255.255.0                                       |                                |                 |  |
| letwork Inte           | erface2   |                                  |  |                   |   |                                |                 |  |
| letwork Ca             | rd:       |                                  |  |                   |   |                                |                 |  |
| P Address:             |           |                                  | Subnet   | Mask:             |   |                                |                 |  |
| Refresh                |           |                                  |  |                   |   |                                |                 |  |
| Unit ID                | Model     | Device Name                      | Control Port   | IP Setting        | IP Address  | Subnet Mask                    | Default Gateway |  |
| 01                     | Rio1608-I | D2 Y001-Yamaha-Rio3224-D2-1a4780 | )  | Auto              | 192.168.100.169                                   | 255.255.255.0                  | ,,              |  |
| 01                     | VXL1-16P  | Y001-Yamaha-VXL1-16P-4E304F      |  | PC-DHCP           | 192.168.100.99                                    | ,,                             | ,,              |  |
| 01                     | DME10     | DME10                            | DME Control Port1<br>DME Control Port2<br>Dante Slot |                   | 192.168.0.213<br>192.168.100.30<br>192.168.100.31 |                                | ,,              |  |
| 01                     | VXC2P     | Y001-Yamaha-VXC2P-4E6B24         |  | PC-DHCP           | 192.168.100.254                                   | ,,                             | ,,              |  |
| 01                     | DZR10-D   | DZR10-D                          |  | DHCP              | 192.168.100.172                                   | ,,                             |                 |  |
| 01                     | MRX7-D    | MRX7-D                           |  | PC-DHCP           | 192.168.100.190                                   | ,,                             | ,,              |  |
| 02                     | Rio3224-[ | D3 Y002-Yamaha-Rio3224-D3-21ffba | Corporate<br>Device                                  | Static IP<br>DHCP | 0.0.0.0<br>192.168.100.228                        | 255.255.255.0<br>255.255.255.0 |                 |  |
| 02                     | MCP1      | MCP1                             |  | PC-DHCP           | 192.168.100.252                                   | ,,                             | ,,              |  |

#### Network Interface

Shows the name/IP address/subnet mask of the network card currently selected in the "Network Setup" dialog box.

#### · [Refresh] button

Searches again for devices on the network.

- Device list
  - Identify button

When you press this button located at the left of the UNIT ID, the indicators of the corresponding device will flash for several seconds.

## • Unit ID / Model / Device Name

These columns indicate the device Unit ID, device model name, and device name. If there is a UNIT

ID conflict, an A indication is shown. To change the device name, use the [Device Name] field in the "Properties" area of the "Project" sheet.

## • Control Port

Indicates the port name if multiple control ports exist.

IP Settings

Indicates the IP setting type.

IP Address/MAC Address/Subnet Mask/Default Gateway

Indicates the IP address, MAC address, subnet mask, and default gateway that are specified for the device.

' [Set IP Address] button

Opens the "IP Address" dialog box.

• [Close] button

Closes the dialog box.

## 10.9. "IP Address" dialog box

To open this dialog box, click the [Set IP Address] button in the [IP Settings] dialog box. Here you can set the device's IP settings. Set this so that there is no conflict between devices.



Editing is not possible while online.

In order to use ProVisionaire Design to control devices of differing subnets, it is necessary to operate the devices using fixed IP addresses. For details, refer to

"Settings for controlling devices across subnets".

#### For the DME10/7

Specify the parameters on the three tabs: DME Control Port 1, DME Control Port 2, and Dante Slot.

| 吾 IP Addre | ess         |             |   |          |              |            |               |
|------------|-------------|-------------|---|----------|--------------|------------|---------------|
| Unit ID    | Model       | Device Name | DME Control Port1 DME Control Port  | t2 D     | ante Slot    |            |               |
| 01         | DME10       | DME10       | IP Setting  |          |              |            |               |
|            |             |             | O Unit ID   |          |              |            |               |
|            |             |             | IP Address :  | 192      | . 168        | . 0        | . 1           |
|            |             |             | Subnet Mask :   | 255      | . 255        | . 255      | . 0           |
|            |             |             | O DHCP  |          |              |            |               |
|            |             |             | ○ Static IP   |          |              |            |               |
|            |             |             | IP Address :  |          |              |            |               |
|            |             |             | Subnet Mask :   | 255      | 5.255.255.0  |            | <b>_</b>      |
|            |             |             |   |          |              | Apply t    | o all devices |
|            |             |             | Default Gateway / DNS Server  |          |              |            |               |
|            |             |             | Default Gateway :   |          |              |            |               |
|            |             |             | DNS Server :  |          |              |            |               |
|            |             |             | Obtain Default Gateway and DNS Se   | erver ad | ddresses aut | omatically | ,             |
|            |             |             | Only Valid when using 'PC-DHCP' mode<br>Manually entered 'Default gateway' ar |          | Server' addı | esses will | be ignored.   |
|            |             |             |   |          |              | Apply t    | o all devices |
|            |             | Reboot th   | e device when its IP address or UNIT ID has been char                         | nged.    |              |            |               |
| Auto-Ass   | ign IP Addr |             |   | 5        |              | ок         | Cance         |

## • DME Control Port1 and DME Control Port2 tabs

Set the IP address when a controller such as ProVisionaire Design controls the DME, or when the DME controls other devices.

## **DME Control Port1 tab**

Use this tab for the control via the Network terminal.

#### **DME Control Port2 tab**

Use this tab for the control via the Dante Primary terminal.

At this time, the signals to control the main unit and the signals to control Dante are superimposed on the Dante port.



To set the IP address used for controlling Dante via the Dante Primary/Secondary terminals, use Dante Controller.

## ' [Unit ID] radio button (DME Control Port1 tab only)

Automatically assigns the IP address based on the UNIT ID of the device. This assigns the IP address as 192.168.0.UNIT ID and the subnet mask as 255.255.255.0.

## ' [DHCP] option button

Click this button to automatically set the IP address, subnet mask, default gateway, and DNS server from the DHCP server.

If there is no DHCP server, the DME Control Port1 parameters will not be defined. For the DME Control Port2, the link local address will be automatically set.

## ' [Static IP] option button

Assigns a fixed IP address for the device.

#### **[Default Gateway] text box** Assigns the IP address of the default gateway.

## DNS Server

Enter the DNS server address.

## • [Obtain Default Gateway and DNS Server address automatically] check box

If this check box is selected, the IP address of the default gateway is obtained automatically. The above IP address setting for the default gateway is ignored.

## • [Apply to all the devices] button

The status of the default gateway and DNS server will be applied to the DME units.



When making settings, be aware that the network for the DME Control Port1 and the network for the DME Control Port2 should not overlap (conflict).

## • Dante Slot tab

| Unit ID | Model | Device Name | DME Control Port1             | DME Control Port2 | Dante Slot      |                 |        |
|---------|-------|-------------|-------------------------------|-------------------|-----------------|-----------------|--------|
| 01      | DME10 | DME10       | IP Setting                    |                   |                 |                 |        |
|         |       |             | O DHCP                        |                   |                 |                 |        |
|         |       |             | <ul> <li>Static IP</li> </ul> |                   |                 |                 |        |
|         |       |             | IP Address :                  |                   |                 |                 |        |
|         |       |             | Subnet Mask :                 |                   | . 255.255.255.0 | •               | -      |
|         |       |             | Sublict Mask .                |                   | J255.255.255.0  |                 |        |
|         |       |             |                               |                   |                 |                 |        |
|         |       |             |                               |                   |                 | Apply to all de | evices |
|         |       |             |                               |                   |                 | Apply to all d  | evices |
|         |       |             |                               |                   |                 | Apply to all d  | evices |



Use Dante Controller to set the IP address for the Dante Port.

When setting this IP address, if you select "Manually Set IP Address," make sure that the Dante Slot is set to the same network.

## ■ For the Rio3224-D2 / Rio1608-D2

| _             |                  |   |  |                            |          |          |
|---------------|------------------|---|--|----------------------------|----------|----------|
| 📲 IP Addre    | ss               |   |  |                            |          | ×        |
| Unit ID<br>01 | Model<br>Rio3224 | Device Name<br>Y001-Yamaha-Rio3224-D2-133 | IP Setting<br>O Auto<br>Static IP<br>IP Address :<br>Subnet Mask :<br>Default Gateway :<br>its IP address or UNIT ID has | 192 . 168<br>255.255.255.0 | . 0 . 80 | ▼<br>Ces |
| Auto-Assig    | gn IP Addres     | 5   |  |                            | OK Ca    | ncel     |

#### For the Rio3224-D3 / Rio1608-D3

| Jnit ÎD | Model      | Device Name                |                                     |               |          |             |
|---------|------------|----------------------------|-------------------------------------|---------------|----------|-------------|
| )2      | RIo3224-D3 | Y002-Yamaha-Rio3224-D3-21f | Control Port Dante Control I        | Port          |          |             |
| 12      | RI03224-D3 | Y002-Yamana-Rio3224-D3-211 | IP Setting                          |               |          |             |
|         |            |                            | O DHCP                              |               |          |             |
|         |            |                            | Static IP                           |               |          |             |
|         |            |                            | IP Address :                        |               |          |             |
|         |            |                            | Subnet Mask :                       | 255.255.255.0 | )        | •           |
|         |            |                            | Default Gateway :                   | 192 . 168     | . 0      | . 1         |
|         |            |                            |                                     |               | Apply to | all devices |
|         |            |                            |                                     |               |          |             |
| _       |            |                            | en its IP address or UNIT ID has be | oon changed   |          |             |

#### **Control Port tab**

Use this tab for the control via the Network terminal.

## **Dante Control Port tab**

Use this tab for the control via the Dante Primary terminal. At this time, the signals to control the main unit and the signals to control Dante are superimposed on the Dante port.



To set the IP address used for controlling Dante via the Dante Primary/Secondary terminals, use Dante Controller.

## ■ For the Tio1608-D / Tio1608-D2

| 📑 IP Addre | ss           |   |   |   | ×         |
|------------|--------------|---|---|---|-----------|
| IP Addre   | Model        | Device Name<br>Y002-Yamaha-Tio1608-D-0d4fd4 | Static IP (Auto)<br>IP Address :<br>Subnet Mask :<br>Static IP (Manual)<br>IP Address :<br>Subnet Mask :<br>Default Gateway : | 192 . 168<br>255 . 255<br>192 . 168<br>255.255.255.0<br>192 . 168 | ×         |
|            |              | Reboot the device when its                  | IP address or UNIT ID has   | s been changed.   |           |
| Auto-Assig | gn IP Addres | 5   |   |   | OK Cancel |

## For the RSio64-D

| 🔡 IP Addre    | ss                |  |   |   | ×  |
|---------------|-------------------|--|---|---|--|
| Unit ID<br>03 | Model<br>RSio64-D | Device Name<br>Y003-Yamaha-RSio64-D-1f1090 | Static IP (Auto)<br>IP Address :<br>Subnet Mask :<br>Static IP (Manual)<br>IP Address :<br>Subnet Mask :<br>Default Gateway : | 192       .       168         255       .       255         192       .       168         255.255.255.0       .       .         .       .       . | <ul> <li>. 0 . 3</li> <li>. 255 . 0</li> <li>. 0 . 222</li> <li></li></ul> |
| Auto-Assig    | jn IP Addres      | Reboot the device when its                 | IF Address of UNIT ID has   | s been changed.   | OK Cancel  |

#### For the PC series

| 돰 IP Addre     | 255               |                         |   |                              |     |  |  | ×    |
|----------------|-------------------|-------------------------|---|------------------------------|-----|--|--|------|
| Unit ÎD<br>01  | Model<br>PC412-DI | Device Name<br>PC412-DI | IP Setting<br>Unit ID<br>IP Address :<br>Subnet Mask :<br>IP Address :<br>Static IP<br>IP Address :<br>Subnet Mask :<br>Default Gateway : | 255 .<br>192 .<br>255.255.25 | 255 | <ul> <li>. 0</li> <li>. 255</li> <li>. 0</li> <li>Apply t</li> </ul> | <ul> <li>1</li> <li>0</li> <li>2</li> <li>1</li> <li>o all devi</li> </ul> | ×.   |
|                |                   |                         |   |                              |     | Apply t  | o all devi   | ces  |
| <<br>Auto-Assi | gn IP Addres      | _                       | > vice when its IP address or UNIT ID has   | been chang                   | ed. | ОК   | Ca   | ncel |

#### For the XMV series

| 돰 IP Addre | ss           |             |   |          |            |            |                | ×   |
|------------|--------------|-------------|---|----------|------------|------------|----------------|-----|
| Unit ÎD    | Model        | Device Name | IP Setting : Unit ID  |          |            |            |                |     |
| 33         | XMV428       | XMV4280-D   | IP Address :  | 192      | . 168      | . 0        | . 1            |     |
|            |              |             | Subnet Mask :   | 255      | . 255      | . 255      | . 0            |     |
|            |              |             | IP Setting : PC   |          |            |            |                |     |
|            |              |             | DHCP  |          |            |            |                |     |
|            |              |             | ○ Static IP   |          |            |            |                |     |
|            |              |             | IP Address :  | 192      | . 168      | . 0        | . 2            |     |
|            |              |             | Subnet Mask :   | 255.25   | 5.255.0    |            |                |     |
|            |              |             |   |          |            | Apply      | to all devices | 5   |
|            |              |             | Default Gateway / DNS Server  |          |            |            |                |     |
|            |              |             | Default Gateway :   |          | ].         |            | •              |     |
|            |              |             | DNS Server :  |          |            |            | •              |     |
|            |              |             | Obtain Default Gateway and DNS  | Server a | ddresses a | utomatica  | lly            |     |
|            |              |             | Only Valid when using 'PC-DHCP' m<br>Manually entered 'Default gateway' |          | Server' ac | ldresses w | ill be ignored | ł.  |
|            |              |             |   |          |            | Apply      | to all devices | 5   |
|            |              |             |   |          |            |            |                |     |
|            |              |             |   |          |            |            |                |     |
|            |              | -           | vice when its IP address or UNIT ID has                                 | been cha | inged.     |            |                |     |
| Auto-Assig | gn IP Addres | s           |   |          |            | ОК         | Cance          | el: |



If you don't know the network address of the unit, we recommend that you use the DIP switch to set IP Setting to [UNIT ID].

#### ■ For the MTX series/PGM1/EXi8/EXo8

| 📑 IP Addre | ss          |              |   |                        | ×                        |
|------------|-------------|--------------|---|------------------------|--------------------------|
| Unit ID    | Model       | Device Name  | IP Setting : Unit ID  |                        |                          |
| 01         | MTX3        | MTX3         | IP Address :  | 192 . 168              | . 0 . 1                  |
|            |             |              | Subnet Mask :   | 255 . 255              | . 255 . 0                |
|            |             |              | IP Setting : PC   |                        |                          |
|            |             |              | OHCP  |                        |                          |
|            |             |              | ○ Static IP   |                        |                          |
|            |             |              | IP Address :  | 192 . 168              | . 0 . 2                  |
|            |             |              | Subnet Mask :   | 255.255.255.0          | ~                        |
|            |             |              |   |                        | Apply to all devices     |
|            |             |              | Default Gateway / DNS Server                                      |                        |                          |
|            |             |              | Default Gateway :   |                        |                          |
|            |             |              | DNS Server :  |                        |                          |
|            |             |              | Obtain Default Gateway and  | DNS Server addresses a | utomatically             |
|            |             |              | Only Valid when using 'PC-DHCl<br>Manually entered 'Default gates |                        | dresses will be ignored. |
|            |             |              |   |                        | Apply to all devices     |
|            |             |              |   |                        |                          |
|            |             | Reheat the d | evice when its IP address or UNIT ID                              | has been shanged       |                          |
| Auto-Assig | gn IP Addre | _            | evice when its in address of UNIT ID                              | mas been changed.      | OK Cancel                |



If you don't know the network address of the unit, we recommend that you use the DIP switch to set IP Setting to [UNIT ID].

#### For the RM-CG/RM-TT

| 📑 IP Addre    | ess            |   |  |                            | ×         |
|---------------|----------------|---|--|----------------------------|-----------|
| Unit ÎD<br>01 | Model<br>RM-CG | Device Name<br>Y001-Yamaha-RM-CG-B49A45 | IP Setting<br>DHCP<br>Static IP<br>IP Address :<br>Subnet Mask : | 192 . 168<br>255.255.255.0 | . 0 . 1   |
| <             |                |   | Default Gateway:<br>Primary DNS:<br>Secondary DNS:               |                            | ·         |
|               |                | Reboot the device when                  | n its IP address or UNIT   | ID has been changed.       |           |
| Auto-Assi     | gn IP Addre    | 55                                      |  |                            | OK Cancel |

#### ■ For the DZR/DXS-XLF series

| Unit ID | Model    | Device Name | IP Setting        |               |          |               |
|---------|----------|-------------|-------------------|---------------|----------|---------------|
| 28      | DZR315-I | D DZR315-D  | O Unit ID         |               |          |               |
|         |          |             | IP Address :      | 192 . 168     | . 0      | . 40          |
|         |          |             | Subnet Mask :     | 255 . 255     | . 255    | . 0           |
|         |          |             | O DHCP            |               |          |               |
|         |          |             | ○ Static IP       |               |          |               |
|         |          |             | IP Address :      | 192 . 168     | . 0      | . 200         |
|         |          |             | Subnet Mask :     | 255.255.255.0 |          | _             |
|         |          |             | Default Gateway : | 192 . 168     | . 0      | . 1           |
|         |          |             |                   |               | Apply to | o all devices |
|         |          |             |                   |               |          |               |
|         |          |             |                   |               |          |               |

#### For the VXL1-16P

| P Addre   | ess          |                   |   |   |                      |
|-----------|--------------|-------------------|---|---|----------------------|
| Unit ÎD   | Model        | Device Name       | IP Setting : Unit ID  |   |                      |
| 65        | VXL1-16P     | Y065-Yamaha-VXL1- | IP Address :  | 192 . 168 . 0 . 1   |                      |
|           |              |                   | Subnet Mask :   | 255 . 255 . 255 . 0   |                      |
|           |              |                   | IP Setting : PC   |   |                      |
|           |              |                   | OHCP  |   | Apply to all devices |
|           |              |                   | ○ Static IP   |   |                      |
|           |              |                   | IP Address :  | 192 . 168 . 0 . 2   |                      |
|           |              |                   | Subnet Mask :   | 255.255.255.0   | Ŧ                    |
|           |              |                   |   | Apply to all devi   | ces                  |
|           |              |                   |   | Default Gateway / DNS Server                                  |                      |
|           |              |                   | Default Gateway :   |   |                      |
|           |              |                   | DNS Server :  |   |                      |
|           |              |                   | Obtain Default Gateway ar                                     | nd DNS Server addresses automatically                         |                      |
|           |              |                   | Only Valid when using 'PC-DH<br>Manually entered 'Default gat | ICP' mode.<br>teway' and 'DNS Server' addresses will be ignor | red.                 |
|           |              |                   |   | Apply to all devi   | ces                  |
|           |              |                   |   |   |                      |
| <         |              | >                 |   |   |                      |
|           |              | Reboot the dev    | vice when its IP address or UNIT                              | ID has been changed.  |                      |
| Auto-Assi | gn IP Addres | s                 |   | ОК Са   | ncel                 |

#### For the VXC2P

| IP Addre | ess         |             |  |                            |                     |
|----------|-------------|-------------|--|----------------------------|---------------------|
| Jnit ÎD  | Model       | Device Name | IP Setting : Unit ID   |                            |                     |
| )1       | VXC2P       | VXC2P       | IP Address :   | 192 . 168                  | . 0 . 1             |
|          |             |             | Subnet Mask :  | 255 . 255                  | . 255 . 0           |
|          |             |             | IP Setting : PC  |                            |                     |
|          |             |             | O DHCP   |                            |                     |
|          |             |             | ○ Static IP  |                            |                     |
|          |             |             | IP Address :   |                            |                     |
|          |             |             | Subnet Mask :  | 255.255.255.0              | _                   |
|          |             |             |  |                            | Apply to all device |
|          |             |             | Default Gateway / DNS Server                                     |                            |                     |
|          |             |             | Default Gateway :  | · · ·                      |                     |
|          |             |             | DNS Server :   | · · ·                      |                     |
|          |             |             | 🗌 Obtain Default Gateway and                                     | DNS Server addresses auton | natically           |
|          |             |             | Only Valid when using 'DHCP' m<br>Manually entered 'Default gate |                            | ed.                 |
|          |             |             |  |                            | Apply to all device |
|          |             |             |  |                            |                     |
|          |             |             | ne device when its IP address or UN                              | IIT ID has been changed.   |                     |
| uto-Ass  | ign IP Addı | ess         |  |                            | OK Cano             |

### 10.10. "Auto-Assign IP Addresses" dialog box

To open this dialog box, click the [Auto-Assign IP Addresses] button in the [IP Address] dialog box. Information such as the IP address assigned to virtual devices specified in the "Match Devices by IP Address" dialog box is applied to the "IP Settings" dialog box in a single operation.

For details, refer to "Settings for controlling devices across subnets".

| 🔁 Auto-/  | Assign IP Address | ses               |            |            |                |                     | ×     |
|-----------|-------------------|-------------------|------------|------------|----------------|---------------------|-------|
| IP settin | gs of devices in  | current project   |            |            |                |                     |       |
| Unit ÎD   | Model             | Device Nam        | IP Address | Subnet Mas | Default Gatewa | у                   |       |
| 01        | DME7              | DME7              |            |            |                |                     |       |
|           |                   |                   |            |            |                |                     |       |
|           |                   |                   |            |            |                |                     |       |
|           |                   |                   |            |            |                |                     |       |
|           |                   |                   |            |            |                |                     |       |
|           |                   |                   |            |            |                |                     |       |
|           |                   |                   |            |            |                |                     |       |
| DNS Sen   | /er               |                   |            |            |                |                     |       |
|           |                   | •                 |            |            |                |                     | Class |
| Assign a  | ove iP setting:   | s to devices in N | vetwork.   |            |                | Assign IP Addresses | Close |

#### Device list

Shows the devices for assignment and the IP settings to be assigned.

• DNS Server (PGM1 only)

This field is empty by default. Enter the DNS server address.

#### • [Assign IP Addresses] button

Applies the information shown in the device list to the "IP Address" dialog box. Even if the [DHCP] option button is selected in the "IP Address" dialog box, the [Static IP] option button is switched to the enabled state.

#### • [Close] button

Closes the dialog box.

### 10.11. "Match Devices by IP Address" dialog box

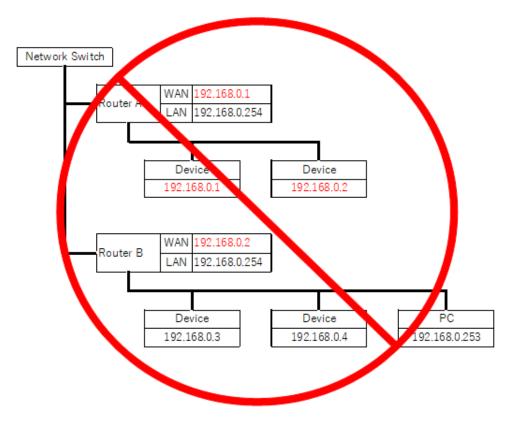
When you assign an IP address to a virtual device in this dialog box, ProVisionaire Design searches for devices on the network by IP address.

If you want to control a system that is on a different subnet than ProVisionaire Design, make settings here.

For the procedure, refer to "Settings for controlling devices across subnets".

Dante audio communication is not possible between devices that are on different subnets.

Set the IP addresses so that they are unique for the entire communication path. If devices of the same IP address exist on the communication path, they might not be distinguishable.



| S Match Devices by IP Address   |             | X                 |
|---|-------------|-------------------|
| Set an IP address for the device (virtual device) added to the projec<br>ProVisionaire Design will automatically detect network devices tha |             |                   |
| In the IP Setting dialog window, set the IP address of the network (<br>System Menu> IP Settings> Set IP Address> Auto-Assign IP Addres     |             | e virtual device. |
| IP Address Range Finder   |             |                   |
| IP Address : 192 . 168 . 10 . 110<br>Subnet Mask : 255.255.0  |             |                   |
|   |             |                   |
| Find Range  |             |                   |
| Range : 192.168.10.1 - 192.168.10.254   |             |                   |
|   |             |                   |
| Default Gateway : 192 . 168 . 10 . 254  |             |                   |
| Apply IP Address Apply found IP Address Range to the checked d  | Nicos       |                   |
| Apply if Address Apply found if Address Range to the checked o  | wices.      |                   |
| All On All Off  |             | All Clear         |
| Unit ID Model Device Name IP Address  | Subnet Mask | Default Gateway   |
| □ 01 DME7 DME7 .  |             |                   |
| □ 01 MTX5-D MTX5-D .  |             |                   |
|   |             |                   |
|   |             |                   |
|   |             |                   |
|   |             | ~                 |
|   |             | OK Cancel         |

#### \* IP Address Range Finder

This section enables you to calculate the range of IP addresses that can be assigned.

• [IP Address]

Enter the IP address that you want to use.

[Subnet Mask]

Select the subnet mask.

• [Find Range] button

When you click this, the range that can be specified is calculated from the IP address and subnet mask that you input.

• [Range]

Shows the calculated range of IP addresses.

[Default Gateway]

Shows the calculated default gateway.

• [Apply IP Address] button

When you click this, the IP address calculated in "IP Address Range Finder" and the default gateway are applied to the devices in the device list.

• [All On] button

Selects all devices in the device list to be affected by [Apply IP Address].

#### • [All Off] button

Deselects all devices in the device list from being affected by [Apply IP Address].

#### • [All Clear] button

Deletes the IP address information of the devices.

Device list

Here you can view and edit the settings of the devices in the device list.

#### $\circ$ Check box

If this is selected, [Apply IP Address] will apply to this device.

#### ' [IP Address]/[Subnet Mask]/[Default Gateway]

Here you can view and edit the device's IP address, subnet mask, and default gateway.

[OK] button

Applies the settings and closes the dialog box.

• [Cancel] button

Discards the settings and closes the dialog box.

#### 10.11.1. Settings for controlling devices across subnets

If you are controlling devices on a subnet that is different than that of ProVisionaire Design, all devices are distinguished by their IP address.

For this reason, it is necessary to make settings so that the IP settings of devices placed in ProVisionaire Design (these are called virtual devices) match the IP settings of devices on the network (these are called real devices). The IP settings of virtual devices are made in the "Match Device by IP Address" dialog box, and the IP settings of real devices are made in the "IP Address" dialog box.

Set the IP addresses so that they are unique for the entire communication path. If devices of the same IP address exist on the communication path, they might not be distinguishable.

First, use the "Match Device by IP Address" dialog box to specify IP addresses for the virtual devices.

- 1. Place a device in the "Project" sheet.
- <sup>2.</sup> In ProVisionaire Design's [System] menu, click [Match Device by IP Address].

The "Match Device by IP Address" dialog box opens.

| Math Devices by IP Address Set an IP address for the device (virtual device) added to the project. ProVisionaire Design will automatically detect network devices that match the virtual device's IP address. In the IP Setting dialog window, set the IP address of the network device so that it matches the IP address of the virtual device. System Menu> IP Settings> Set IP Address> Auto-Assign IP Address. IP Address Range Finder IP Address : Subnet Mask : 255.255.255.0 Find Range Range : Default Gateway: . Apply IP Address Apply found IP Address Range to the checked devices. Alton Al Off Unit D Model Device Name IP Address Subnet Mask Default Gateway OK Z55.255.0 S OK Cancel OK Cancel   |                                 |                    |                      |                                  |                      |                     |           |
|---|---------------------------------|--------------------|----------------------|----------------------------------|----------------------|---------------------|-----------|
| ProVisionaire Design will automatically detect network devices that match the virtual device's IP address.<br>In the IP Setting dialog window, set the IP address of the network device so that it matches the IP address of the virtual device.<br>System Menu> IP Settings> Set IP Address> Auto-Assign IP Address.<br>IP Address Range Finder<br>IP Address :  | Natch Devices by IP Address     |                    |                      |                                  |                      |                     | ×         |
| System Menu <sup>2</sup> IP Settings> Set IP Address> Auto-Assign IP Address.<br>IP Address Range Finder<br>IP Address :  |                                 |                    |                      | ch the virtual dev               | vice's IP address.   |                     |           |
| IP Address:   |                                 |                    |                      | e so that <mark>i</mark> t match | es the IP address of | the virtual device. |           |
| Subnet Mask : 255.255.255.0   | IP Address Range Finder         |                    |                      |                                  |                      |                     |           |
| Find Range   Range :   Default Gateway :   .   .   Apply IP Address Apply found IP Address Range to the checked devices.   All On   All Off   Unit ÎD   Model   Device Name   IP Address   Subnet Mask   Default Gateway   .<   | IP Address :                    | · · · · ·          |                      |                                  |                      |                     |           |
| Range :   Default Gateway :   .   Apply IP Address   All On   All Off   All Clear   Unit ID   Model   Device Name   IP Address   Subnet Mask   Default Gateway   02   DME7   DME7   OE   XMV8140   . <td>Subnet Mask : 255.255.25</td> <td>5.0</td> <td></td> <td></td> <td></td> <td></td> <td></td>   | Subnet Mask : 255.255.25        | 5.0                |                      |                                  |                      |                     |           |
| Range :   | ,<br>Find Range                 |                    |                      |                                  |                      |                     |           |
| Default Gateway:       .         Apply IP Address       Apply found IP Address Range to the checked devices.         All On       All Off         Unit ÎD       Model         Device Name       IP Address         Subnet Mask       Default Gateway         02       DME7         0E       XMV8140         3A       EXi8         53       XMV8280-D         XMV8280-D       .         .       .  |                                 |                    |                      |                                  |                      |                     |           |
| Apply IP Address       Apply found IP Address Range to the checked devices.         All On       All Off       All Clear         Unit ID       Model       Device Name       IP Address       Subnet Mask       Default Gateway         02       DME7       DME7       •       •       255.255.255.0 ▼       •       •         0E       XMV8140       XMV8140       •       •       255.255.255.0 ▼       •       •         3A       EXI8       EXI8       •       •       255.255.255.0 ▼       •       •         53       XMV8280-D       XMV8280-D       •       •       255.255.255.0 ▼       •       •             255.255.255.0 ▼       •       •       •   |                                 |                    |                      |                                  |                      |                     |           |
| All On       All Off       All Clear         Unit ID       Model       Device Name       IP Address       Subnet Mask       Default Gateway         02       DME7       DME7       .       .       .       .       .       .         06       XMV8140       XMV8140       .       .       .       .       .       .         3A       EXI8       EXI8       .       .       .       .       .       .         53       XMV8280-D       XMV8280-D       .       .       .       .       .       .   |                                 |                    |                      |                                  |                      |                     |           |
| Unit ÎD       Model       Device Name       IP Address       Subnet Mask       Default Gateway         02       DME7       DME7       .       <   | Apply IP Address Apply found IF | P Address Range to | o the checked device | S.                               |                      |                     |           |
| □       02       DME7       DME7       .  | All On All Off                  |                    |                      |                                  |                      |                     | All Clear |
| □ 0E       XMV8140       XMV8140       .  | Unit ID Model                   | Device Name        | IP Address           |                                  | Subnet Mask          | Default Gateway     | ^         |
| 3A       EXi8       . <td>□ 02 DME7</td> <td>DME7</td> <td>·</td> <td>·</td> <td>255.255.255.0 💌</td> <td></td> <td></td> | □ 02 DME7                       | DME7               | ·                    | ·                                | 255.255.255.0 💌      |                     |           |
| □ 53 XMV8280-D XMV8280-D  | □ 0E XMV8140                    | XMV8140            |                      | ·                                | 255.255.255.0 💌      | · · ·               |           |
|   | □ 3A EXi8                       | EXi8               | · · ·                | · •                              |                      | · · ·               |           |
|   | 53 XMV8280-D                    | XMV8280-D          | · · ·                | · .                              | 255.255.255.0 💌      | ·                   |           |
| OK Cancel   | <                               |                    |                      |                                  |                      |                     | ×         |
|   |                                 |                    |                      |                                  |                      | C                   | OK Cancel |

- 3. In "IP Address Range Finder," use the [IP Address] text box to enter a representative IP address of the subnet to which the device to be searched is connected.
- 4. In "IP Address Range Finder," use the [Subnet Mask] list box to select the subnet mask.
- 5. In "IP Address Range Finder," click the [Find Range] button. The vaild IP addresses's range is shown in the "Range" field, and an IP address candidate for the default gateway is shown in the [Default Gateway] text box. If the default gateway IP address is wrong, edit it.
- 6. Check the checkbox of the virtual device for which you want to set the IP address.
- 7. Click the [Apply IP Address] button.

| ► M | atch Devices | by IP Address     |  |   |                             |                       | All Clear<br>ault Gateway<br>. 168 . 100 . 254<br>. 168 . 100 . 254<br>. 168 . 100 . 254 |
|-----|--------------|-------------------|--|---|-----------------------------|-----------------------|--|
|     |              |                   | (virtual device) add<br>atically detect netv | ded to the project.<br>work devices that match the vi | tual device's IP address.   |                       |  |
|     |              |                   |  | of the network device so that<br>Assign IP Address.   | it matches the IP address o | f the virtual device. |  |
| IP  | Address Ra   | nge Finder        |  |   |                             |                       |  |
|     | Address :    | 192 . 1           |  | . 1   |                             |                       |  |
| Su  | bnet Mask    | : 255.255.25      | 5.0  | <b>•</b>  |                             |                       |  |
|     |              | Find Range        |  |   |                             |                       |  |
| Ra  | nge:         | 192.168.10        | 0.1 - 192.168.100                            | .254  |                             |                       |  |
|     | fault Gatev  | vay: 192 . 1      | 68 . 100                                     | . 254   |                             |                       |  |
| De  | Tault Gatev  | vay. 152          |  | . 234   |                             |                       |  |
| Арр | ly IP Addre  | ss Apply found If | P Address Range to                           | o the checked devices.                                |                             |                       |  |
| A   | ll On        | All Off           |  |   |                             |                       | All Clear  |
|     | Unit ID      | Model             | Device Name                                  | IP Address  | Subnet Mask                 | Default Gateway       | ^  |
|     | 02           | DME7              | DME7   | 192 . 168 . 100 .                                     | 1 255.255.255.0 💌           | 192 . 168 . 100       | . 254  |
|     | OE           | XMV8140           | XMV8140                                      | 192 . 168 . 100 .                                     | 2 255.255.255.0 💌           | 192 . 168 . 100       | . 254  |
|     | ЗA           | EXi8              | EXi8   | 192 . 168 . 100 .                                     | 3 255.255.255.0 💌           | 192 . 168 . 100       | . 254  |
|     | 53           | XMV8280-D         | XMV8280-D                                    | 192 . 168 . 100 .                                     | 4 255.255.255.0 💌           | 192 . 168 . 100       | . 254  |
|     |              |                   |  |   |                             |                       | $\sim$   |
| <   |              |                   |  |   |                             |                       | >  |
|     |              |                   |  |   |                             | ОК                    | Cancel   |

A static IP address is set for the virtual device.

#### 8. Click the [OK] button.

To assign an IP address to a real device, you can either make settings by operating the real device, or you can use the "IP Address" dialog box to specify an IP address for the real device. Here we will explain how to use the "IP Address" dialog.

Next, we will explaine the procedure for setting the IP address set for the virtual device to the real device.

- 1. Set the Unit ID of the real device to match the virtual device.
- 2. Connect the real device to the same subnet as ProVisionaire Design so that it can be discovered by ProVisionaire Design.

For details, refer to the owner's manual of each device.

3. While still offline, click [IP Settings] in the [System] menu of ProVisionaire Design. If the "Network Setup" dialog box appears, sselect the same network as ProVisioniare Design.

| etwork Ca             | rd: Ethern | et          |   |                      |   |   |                 |  |
|-----------------------|------------|-------------|---|----------------------|---|---|-----------------|--|
| Address:              | 192.16     | 58.0.159    | Sub   | onet Mask:           | 255.255.255.0                                       |   |                 |  |
| etwork Int            | erface2    |             |   |                      |   |   |                 |  |
| etwork Ca<br>Address: | rd:        |             | Sub   | onet Mask:           |   |   |                 |  |
| efresh                |            |             |   |                      |   |   |                 |  |
| Unit ID               | Model      | Device Name | Control Port  | IP Setting           | IP Address  | Subnet Mask                                     | Default Gateway |  |
| 02                    | DME7       | DME7        | DME Control Port<br>Device Control Port<br>Dante Slot | DHCP<br>DHCP<br>DHCP | 192.168.0.155<br>192.168.100.111<br>192.168.100.112 | 255.255.255.0<br>255.255.255.0<br>255.255.255.0 |                 |  |
| OE                    | XMV8140    | XMV8140     |   | Unit ID              | 192.168.0.14  | 255.255.255.0                                   | ,,              |  |
| ЗA                    | EXi8       | EXi8        |   | Unit ID              | 192.168.0.58  | 255.255.255.0                                   |                 |  |
| 53                    | XMV8280-D  | XMV8280-D   |   | PC-DHCP              | 192.168.0.156                                       | ,,  | ,,              |  |
|                       |            |             |   |                      |   |   |                 |  |

4. When all real devices are shown in the "IP Settings" dialog box, click the [Set IP Address] button. The "IP Address" dialog box opens.

| IP Addre | ss      |                   |  |  |              |                        |
|----------|---------|-------------------|--|--|--------------|------------------------|
| Jnit ÎD  | Model   | Device Name       | DME Control Port                             | Device Control Port                          | t Dante      | Slot                   |
| 02       | DME7    | DME7              | IP Setting                                   |  |              |                        |
| OE       | XMV8140 |                   |  |  |              |                        |
| 3A<br>53 | EXi8    | EXi8<br>XMV8280-D | O Unit ID                                    |  |              |                        |
| ,        | AWW020  | XIVIV0200-D       | IP Address :                                 | 192  | . 168        | . 0 . 2                |
|          |         |                   | Subnet Mask :                                | 255  | . 255        | . 255 . 0              |
|          |         |                   | DHCP   |  |              |                        |
|          |         |                   | ○ Static IP                                  |  |              |                        |
|          |         |                   | IP Address :                                 |  | -            |                        |
|          |         |                   | Subnet Mask :                                | 255.255                                      | 5.255.0      |                        |
|          |         |                   |  |  |              | Apply to all devices   |
|          |         |                   | Default Gateway /                            | DNS Server                                   |              |                        |
|          |         |                   | Default Gateway :                            |  |              |                        |
|          |         |                   | DNS Server :                                 |  |              |                        |
|          |         |                   |  |  | •            | · ·                    |
|          |         |                   | ✓ Obtain Default 0                           | Gateway and DNS Se                           | rver addre   | esses automatically    |
|          |         |                   | Only Valid when usin<br>Manually entered 'De | g 'PC-DHCP' mode.<br>efault gateway' and 'Di | NS Server' a | ddresses will be ignor |
|          |         |                   |  |  |              | Apply to all devices   |
|          |         |                   |  |  |              |                        |

5. Click the [Auto-Assign IP Addresses] button.

| Auto-Assign IP Addresses |                 |                 |            |               |                 |       |       |
|--------------------------|-----------------|-----------------|------------|---------------|-----------------|-------|-------|
| IP setting               | s of devices in | current proje   | ct.        |               |                 |       |       |
| Unit ID                  | Model           | Device Nan      | IP Address | Subnet Mask   | Default Gateway |       |       |
| 02                       | DME7            | DME7            | 192.168.1  | 255.255.255.0 | 192.168.100.254 |       |       |
| OE                       | XMV8140         | XMV8140         | 192.168.1  | 255.255.255.0 | 192.168.100.254 |       |       |
| ЗA                       | EXi8            | EXi8            | 192.168.1  | 255.255.255.0 | 192.168.100.254 |       |       |
| 53                       | XMV8280-D       | XMV8280-D       | 192.168.1  | 255.255.255.0 | 192.168.100.254 |       |       |
|                          |                 |                 |            |               |                 |       |       |
| <                        |                 |                 |            |               |                 | >     |       |
| DNS Serve                | er 🗌 . 🗌        | · [             | •          |               |                 |       |       |
| Assign ab                | ove IP setting: | s to devices in | Network.   |               | Assign IP Addre | esses | Close |

In the Match Device by dialog box, a list of IP addresses set for virtual devices is displayed. Set the DNS Server as required.

### <sup>6.</sup> Click the [Assign IP Addresses] button.

Reflect the settings of the virtual device to the real device whose Model and Unit ID match those of the virtual device.

| 🕂 IP Addre   | SS                                |                                      |  |  |                 |  |  |
|--|-----------------------------------|--------------------------------------|--|--|-----------------|--|--|
| Unit ID  | Model                             | Device Name                          | DME Control Port   | Device Control Port  | Dante Slot      |  |  |
| 02<br>0E<br>3A<br>53   | DME7<br>XMV8140<br>EXI8<br>XMV828 | DME7<br>XMV8140<br>EXI8<br>XMV8280-D | IP Setting<br>Unit ID<br>IP Address :<br>Subnet Mask :<br>DHCP<br>Static IP<br>IP Address :<br>Subnet Mask : | 192       .         255       .         192       .         255.255. | 255.0           |  |  |
|  |                                   |                                      | Only Valid when usi  |  | ver addresses a |  |  |
| Reboot the device when its IP address or UNIT ID has been changed.  Auto-Assign IP Address OK Cancel |                                   |                                      |  |  |                 |  |  |

### $^{7.}\,$ Click the [OK] button.

The IP address, subnet mask, and default gateway settings are sent to the real devices.

### 10.12. "Device Information" dialog box

To open this dialog box, click [Device Information] from the [System] menu on the menu bar. This lists information for the devices on the network, allowing you to update their firmware or restart them.

| 돰 Device Information               |               |                   |            |         |              |           |   | ×        |
|------------------------------------|---------------|-------------------|------------|---------|--------------|-----------|---|----------|
| Network Interface<br>Network Card: | Ethernet      |                   |            |         |              |           |   |          |
| IP Address:                        | 192.168.0.120 |                   |            | Subne   | t Mask: 255. | 255.255.0 |   |          |
| Network Interface2                 |               |                   |            |         |              |           |   |          |
| Network Card:                      |               |                   |            |         |              |           |   |          |
| IP Address:                        |               |                   |            | Subne   | t Mask:      |           |   |          |
| Refresh                            |               |                   |            |         |              |           | E | Detail>> |
| Unit ID Model                      | Device Name   | MAC Address       | Serial No. | Version | Status       | Battery   |   |          |
| 01 DME7                            | DME7          | 00:30:64:6A:7C:5C | 318        | V1.0.0  | OFFLINE      |           |   |          |
| 0A PC412-E                         | DI PC412-DI   | AC:44:F2:6E:AF:07 | JEZY01001  | V1.0.5  | OFFLINE      |           |   |          |
|                                    |               |                   |            |         |              |           |   |          |
|                                    |               |                   |            |         |              |           |   |          |
|                                    |               |                   |            |         |              |           |   |          |
|                                    |               |                   |            |         |              |           |   |          |
| Update Firmware                    | Initialize Re | boot              |            |         |              |           |   | Close    |

#### \* Network Interface

Shows the name/IP address/subnet mask of the network card currently selected in the "Network Setup" dialog box.

#### ' [Refresh] button

Searches again for devices on the network. This cannot be clicked while an update is in progress.

#### • [Detail>>] button

Switch this button on to display to the right the information specific to the device that is currently selected on the device list.

#### • Device list

#### • Identify button

When you press this button located at the left of the Unit ID, the indicators of the corresponding device will flash for several seconds.

#### Unit ID / Model / Device Name

These columns indicate the device Unit ID, device model name, and device name. If there is a UNIT

ID conflict, an \Lambda indication is shown.

To change the device name, use the [Device Name] field in the "Properties" area of the "Project" sheet.



If different types of devices are used, the same Unit ID can be used for them. However, if the MTX series unit is set to Unit ID mode, the IP address will be

automatically set to 192.168.0.<Unit ID>.

In this case, you must set unique Unit IDs so that they will not overlap (conflict) among all devices.

• MAC Address

Shows the MAC address that is specified for the device.

#### • Serial No.

Shows the serial number of the device.

- Version Shows the firmware version.
- Status

Shows the online or offline status. When updating a device, the progress is shown.

#### • Battery (MTX series and XMV series units only)

Shows the remaining battery capacity of the device.

| EMPTY | The remaining amount is 0–0.5V. Immediately stop using the unit, and contact a Yamaha service center. |
|-------|---|
| LOW   | The remaining amount is 0.5–2.5V. Contact a<br>Yamaha service center as soon as possible.             |
| ОК    | The remaining amount is 2.5–3.5V. There is no problem.  |
| N/A   | There is no internal battery.   |

#### \* [Update Firmware] button

Updates the firmware. Please note that you can do so only for the online devices. Click this button to open the "Update Firmware" dialog box.

#### • [Initialize] button

Initializes the device. Click this button to open the "Initialize" dialog box.

#### ' [Reboot] button

Reboots the device.

#### • [Close] button

Closes the dialog box. This cannot be clicked while an update is in progress.

### 10.12.1. "Detail>>" area

This area displays information specific to the target device.

#### For the DME

This area displays device information for each Device License that is activated for the device.

| 4 | Device In | nformat | tion      |              |                   |                  |         |            |               |          |                         | × |
|---|-----------|---------|-----------|--------------|-------------------|------------------|---------|------------|---------------|----------|-------------------------|---|
| - | etwork    | Interfa | ace       |              |                   |                  |         |            |               |          | DEK-DME7-DX64           |   |
| 1 | etwork    | Card:   |           | Ethernet     |                   |                  |         |            |               |          | Purchase Type Buyout    |   |
| I | Addres    | ss:     |           | 192.168.0.54 |                   |                  | Sul     | onet Mask: | 255.255.255.0 |          | Activate Type Temporary |   |
| N | etwork    | Interfa | ace2      |              |                   |                  |         |            |               |          | Expiry Date/Time        |   |
| 1 | etwork    | Card:   |           |              |                   |                  |         |            |               |          |                         |   |
| I | Addres    | 55:     |           |              |                   |                  | Sul     | onet Mask: |               |          |                         |   |
|   | Refresh   |         |           |              |                   |                  |         |            |               | Detail>> |                         |   |
|   | Unit      | ID N    | /lodel    | Device Name  | MAC Address       | Serial No.       | Version | Status     | Battery       |          |                         |   |
|   | 01        | D       | ME7       | DME7         | 00:30:64:65:E8:BB | 208              | R0.75   | OFFLINE    |               |          |                         |   |
|   | 33        | х       | MV4280-D  | XMV4280-D    | 00:A0:DE:AA:37:4E | ZA41200JETO01119 | V4.10   | OFFLINE    | ок            |          |                         |   |
|   |           |         |           |              |                   |                  |         |            |               |          |                         |   |
|   |           |         |           |              |                   |                  |         |            |               |          |                         |   |
|   |           |         |           |              |                   |                  |         |            |               |          |                         |   |
|   |           |         |           |              |                   |                  |         |            |               |          |                         |   |
| U | date Fir  | rmwar   | re Initia | alize Rebo   | ot                |                  |         |            |               | Close    |                         |   |
|   |           |         |           |              |                   |                  |         |            |               |          |                         |   |

#### • Title

Indicates the license name.

#### • Purchase Type

Indicates "Buyout" or "Trial."

#### • Activate Type

This information appears only if the Purchase Type is "Buyout."

• Temporary

With this type, you can activate and deactivate the license.

• Permanent

With this type, you cannot deactivate the license.

 $\circ$  Timed

With this type, the license features an expiration date.

Activate Date/Time

Indicates the date and time at which you activated the license.

\* Expiry Date/Time

If the Purchase Type is "Trial" or the Activate Type is "Timed," this field indicates the date and time at which the license expires. Otherwise, it indicates "---."

For license management, see the "Device License Activation Guide".

### 10.13. "Update Firmware" dialog box

To open this dialog box, click the [Update Firmware] button in the [Device Information] dialog box.

Update the firmware of a supported unit.

For details on how to update the Dante firmware, refer to the "Dante Firmware Update guide" .



The DME10/DME7 updates the Dante firmware at the same time as updating the firmware of the unit.

| C:/Program Fi  | les (x86)/Yamaha/ProV | isionaire Desigi | n/V1.0/Firm | nware/Firmwa | arePackage | etupd |
|----------------|-----------------------|------------------|-------------|--------------|------------|-------|
| Firmware in th | is file:              |                  | Detected I  | Devices      |            |       |
| Model          | Version               | ^                | Unit ÎD     | Model        | Version    | Note  |
| XMV8280-D      | V4.10                 |                  | ✓ 01        | DME7         | V1.00      |       |
| XMV8280        | V4.10                 |                  | ✓ 33        | XMV428       | V4.10      |       |
| XMV8140-D      | V4.10                 |                  |             |              |            |       |
| XMV8140        | V4.10                 |                  |             |              |            |       |
| XMV4280-D      | V4.10                 |                  |             |              |            |       |
| XMV4280        | V4.10                 |                  |             |              |            |       |
| XMV4140-D      | V4.10                 |                  |             |              |            |       |
| XMV4140        | V4.10                 |                  |             |              |            |       |
| VXL1-16P       | V2.0.0                |                  |             |              |            |       |
| RM-TT          | V2.0.0                |                  |             |              |            |       |
| RM-CG          | V2.0.0                |                  |             |              |            |       |
| PGM1           | V4.10                 |                  |             |              |            |       |
| PC412-DI       | V1.0.5                |                  |             |              |            |       |
| PC412-D        | V1.0.5                |                  |             |              |            |       |
| PC406-DI       | V1.0.5                | ~                | <           |              |            |       |

#### ' Files

Shows the currently selected update file (.fupd).

#### • [...] button

Click this button to select an update file. Clicking this button opens the "Select Folder" dialog box; select an .fupd file.



When installing ProVisionaire Design, the .fupd file included in the compressed file is also copied to the Program Files (x86) folder. This file is automatically selected when the dialog is opened.

#### • Firmware in this file

Shows the contents of the update file.

#### Detected Devices

Shows the detected devices.

 $\circ~$  Check boxes

Enables you to select a target device to update.

• Unit ID

Indicates the UNIT ID of the device.

• Type

Indicates the model name of the device.

#### • Version

Shows the firmware version of the device.



To control the PGM1 from ProVisionaire Design, you must first install Bonjour Print Services (Windows).

#### • [Update] button

Executes the update.

If a file is not selected, this button will be unavailable and cannot be clicked.

#### • [Cancel] button

Closes the dialog box without updating.



An alert appears if a device incompatible with ProVisionaire Design is detected. Refer to the Yamaha Pro Audio website for information on compatibility between ProVisionaire Design and various devices.

#### https://www.yamahaproaudio.com/



You must be logged in to update your RM series. Please refer to the chapter of RM-CG/RM-TT.



The DZR/DXS-XLF series cannot be updated using ProVisionaire Design. Update them using the DZR-D/DXS XLF-D Firmware Updater or a USB memory. For more information, refer to the Yamaha Pro Audio website.

| _  |  |
|----|--|
| •  |  |
| П. |  |
|    |  |

Rio-D3 series cannot be updated using ProVisionaire Design. Update them using the R Remote. For more information, refer to the Yamaha Pro Audio website.

### 10.14. "Initialize" dialog box

To open this dialog box, click the [Initialize] button in the [Device Information] dialog box. This dialog box enables you to initialize the device settings.

The applicable products are the PC series, DME10, DME7, RM-CG, RM-TT, DZR series, and DXS-XLF series. Select the tab for the product you wish to initialize.

#### For the PC series

| 돰 Initialize                                   | ×   |
|--|---|
| PC-D DME                                       |   |
| In addition to amplifier and p                 | processing settings, the following items can also be initialize |
| ✓ IP Settings                                  | Dante Settings  |
| 🗹 Unit ID, Device Name                         |   |
| All On All Off<br>Unit ID Model<br>OA PC412-DI | Device Name<br>PC412-DI   |
| All Model On All Model Off                     | Initialize Cancel   |

#### Check boxes

Add a check mark to the check boxes for the items you wish to initialize.

#### • IP Settings

If this item is checked, the device IP settings will also be initialized.

• Unit ID, Device Name

If this item is checked, the device's Unit ID and the name will also be initialized.

• Dante Settings

If this item is checked, the Dante-related settings for the device will also be initialized.

#### · [All On] button

Adds a check mark to the check boxes for all devices.

' [All Off] button

Clears the check mark from the check boxes for all devices.

\* Check box

Add a check mark to a device that you wish to initialize.

#### Unit ID / Model / Device Name

These columns indicate the device Unit ID, device model name, and device name. To change the device name, use the [Device Name] field in the "Properties" area of the "Project" sheet.

#### ' [All Model On] button

Adds a check mark to the check boxes for all devices on all tabs.

#### \* [All Model Off] button

Clears the check mark from the check boxes for all devices on all tabs.

#### • [Initialize] button

Executes initialization.



The Unit ID and Device Name settings on the Dante device will not be initialized if its "Dante Device Lock" setting is turned on.

#### ' [Cancel] button

Closes the dialog box without updating.

#### For the DME10/DME7

| 吾 Initialize                   | ×   |
|--------------------------------|---|
| PC-D DME                       |   |
| In addition to amplifier and p | processing settings, the following items can also be initialize |
| IP Settings                    | ☑ Dante Settings  |
| 🗹 Unit ID, Device Name         | Stored Files  |
| All On All Off                 |   |
| Unit ID Model                  | Device Name   |
| □ 01 DME7                      | DME7  |
|                                |   |
| All Model On All Model Off     | Initialize Cancel   |

#### • Check boxes

Add a check mark to the check boxes for the items you wish to initialize.

#### • IP Settings

If this item is checked, the device IP settings will also be initialized.

#### • Unit ID, Device Name

If this item is checked, the device's Unit ID and the name will also be initialized.

### • Dante Settings

If this item is checked, the Dante-related settings for the device will also be initialized.

#### • Stored Files

If this item is checked, the files saved on the unit using the File Storage function will also be initialized.



Initializing the device does not affect any activated licenses.

#### For the RM-CG, RM-TT

| 😁 Initialize               | ×                        |
|----------------------------|--------------------------|
| RM-CG/RM-TT                |                          |
| Restore all dafaults       |                          |
| All On All Off             | Device Name              |
| 🗌 01 RM-CG                 | Y001-Yamaha-RM-CG-B49A45 |
|                            |                          |
|                            |                          |
| All Model On All Model Off | Initialize Cancel        |

#### • Check boxes

Add a check mark to the check boxes for the items you wish to initialize.

#### • Restore all defaults

If you add a check mark to this check box, all items will be initialized. The "Network Settings" items will also be initialized automatically.

#### • Network Settings

If this item is checked, the network settings for the device will also be initialized.



You must be logged in to initialize the RM series. Please refer to the chapter of RM-CG/RM-TT.

#### ■ For the DZR series/DXS-XLF series

| Initializ   | re  | × |
|-------------|---|---|
| DME         | DZR/DXS-XLF                                     |   |
| O Re        | eset Factory                                    |   |
|             | l i i i i i i i i i i i i i i i i i i i         |   |
| Par         | rameters / User Presets                         |   |
| <u>િ</u> ૮૫ | urrent  |   |
| Par         | rameters  |   |
| All C       | On All Off                                      |   |
|             | Unit ID Model Device Name<br>DZR31 Yamaha-DZR15 |   |
| All Mode    | el On All Model Off Initialize Cancel           |   |

#### Radio buttons

Select from 3 types.

#### • Reset Factory

Resets to the factory settings.

#### • All

Initializes the parameters and user presets while keeping the network settings.

#### • Current

Initializes only the parameters while keeping the network settings and user presets.

### 10.15. "Word Clock" dialog box

To open this dialog box, click [Word Clock] from the [System] menu on the menu bar. This dialog box enables you to modify the word clock settings for the device.

Target models include MTX series, XMV series (excluding Dante models), and DME10/DME7 that are added to the project.

|   | Vord Clock    |               |                     |                |        |                       | ×         |
|---|---------------|---------------|---------------------|----------------|--------|-----------------------|-----------|
| D | Unit ID<br>01 | Model<br>DME7 | Device Name<br>DME7 | Word Clock Fs: |        |                       |           |
|   |               |               |                     | ◆ Unlock       | ◆ Lock | Lock, but not sync'ed | Unknown   |
|   |               |               |                     |                |        |                       | OK Cancel |

#### • Device list

This lists the devices whose word clock can be changed. Click the device whose detailed word clock settings you want to edit; the edit screen for that device will appear. The icon at the left of the UNIT ID indicates what is specified as the clock source.

| lcon | Clock source    |
|------|-----------------|
| D    | Dante           |
| I    | Internal        |
| S    | Mini-YGDAI card |
| None | YDIF            |

#### • Word Clock Fs

This indicates the word clock of the device. When online, this indicates the word clock value for the device. When the device is offline, this field indicates "---."

#### Clock Source

Use these buttons to select the word clock source. A indicator showing the status is displayed at the left of buttons that can be selected. When offline the status cannot be detected, so all indicators will be yellow.

#### For the MTX3, XMV

You can select one of the internal clocks (44.1 kHz, 48 kHz), or YDIF.

- For the MRX7-D/MTX5-D You can select Dante, YDIF or Mini-YGDAI Card.
- For the DME

You can select only Dante.

| Indicator             | Status  |
|-----------------------|---|
| 🔶 Unlock              | Unlocked.   |
| ◆ Lock                | Locked.   |
| Lock, but not sync'ed | Locked but not synchronized.  |
| 🔶 Unknown             | The clock status cannot be detected because<br>an external device is not connected or<br>because there is no valid clock input. |

### 10.16. "Protect Devices" dialog box

To open this dialog box, click [Protect Devices] from the [System] menu on the menu bar.

You can specify an Administrator PIN for the device to prevent people other than the administrator from modifying the device settings. If you set an Administrator PIN, you will be required to enter the Administrator PIN when you try to make an online connection between the device and ProVisionaire Design or to specify various device settings. Please be aware that if you forget the Administrator PIN, you will be unable to modify device settings.

| Protect Dev  | rices          |                   |                                   | ×      |
|--------------|----------------|-------------------|-----------------------------------|--------|
| Unit ID      | Model          | Device Name       | Administrator PIN                 |        |
|              |                |                   |                                   |        |
|              |                |                   |                                   |        |
|              |                |                   |                                   |        |
|              |                |                   |                                   |        |
|              |                |                   |                                   |        |
|              |                |                   |                                   |        |
|              |                |                   |                                   |        |
| Administrate | or PIN 111     | 111               | ]                                 |        |
| Protect d    | evice with Ad  | ministrator PIN.  |                                   |        |
| Authentica   | ation by Admi  | nistrator PIN red | quired to change device settings. |        |
| 🔿 No PIN re  | equired to cha | ange device setti | ings.                             |        |
|              |                |                   | ОК                                | Cancel |

#### • [Device] list

This area lists devices for which protection via the Administrator PIN has been canceled or for which an Administrator PIN has not yet been set.

#### Unit ID / Model / Device Name

These columns indicate the device Unit ID, device model name, and device name. To change the device name, use the [Device Name] field in the "Properties" area of the "Project" sheet.

#### • Administrator PIN

Indicate the Administrator pin in which devices that have unlocked the PIN.

#### • [Administrator PIN] text box

In this field, enter the Administrator PIN for the device. (The code should be six alphanumeric characters drawn from numbers 0 through 9 and letters a, b, c, d, e, and f. The code is not case sensitive. A blank PIN cannot be specified.)

- [Protect device with Administrator PIN.] option button If you try to change the device settings, you will be required to enter the PIN.
- **[No PIN required to change device settings.] option button** Cancels device protection via the Administrator PIN.

#### • [OK] button

Sends the protection settings to the device.

• **[Cancel] button** Discards the settings and closes the dialog box.

### 10.17. "Clock" dialog box

To open this dialog box, click [Clock] from the [System] menu on the menu bar.

The internal clocks for all connected devices are automatically updated to match the date and time on the computer each time the devices come online.

If you transmit the computer's date and time information from this dialog box, the date and time will be updated on any unit that is connected to the same network, regardless of its online/offline status.

#### 10.17.1. RM Series

This section applies to the settings for the RM series units.

| 5 | Clock Setti | ngs          |            |   |        |          |        |        |         | ×  |
|---|-------------|--------------|------------|---|--------|----------|--------|--------|---------|----|
|   | Unit ÎD     | Model        | Device Nam | е | Time   | Zone     | NTP St | upport | DST Sta | rt |
|   |             |              |            |   |        |          |        |        |         |    |
|   | 01          | RM-WAP-8     | RM-WAP-8   |   | 0:00 G | бМТ      |        |        | off     |    |
|   |             |              |            |   |        |          |        |        |         |    |
|   |             |              |            |   |        |          |        |        |         |    |
|   | <           |              |            |   |        |          |        |        | 1       | >  |
|   | Time Zon    | e            |            |   |        | 0:00 GMT |        |        | ~       |    |
|   | 🗹 NTP Sup   | port         |            |   |        |          |        |        |         |    |
|   | Network T   | ime Server   | 1          |   |        |          |        |        |         |    |
|   | Network T   | ime Server   | 2          |   |        |          |        |        |         |    |
|   |             | ime Server   |            |   |        |          |        |        |         |    |
|   |             |              | -          |   |        |          |        |        |         |    |
|   | Network I   | ime Server   | 4          |   |        |          |        |        |         |    |
|   | 🗌 Enable [  | Daylight Sav | ing Time   |   |        |          |        |        |         |    |
|   | Daylight    | Saving Time  | start time |   |        |          |        |        |         |    |
|   | Month       |              | Week       |   |        | Day      |        | Hour   |         |    |
|   | January     |              | First      |   | $\sim$ | Sunday   | $\sim$ | 00:00  | $\sim$  |    |
|   | Daylight    | Saving Time  | end time   |   |        |          |        |        |         |    |
|   | Month       |              | Week       |   |        | Day      |        | Hour   |         |    |
|   | January     |              | First      |   | $\sim$ | Sunday   | $\sim$ | 00:00  | $\sim$  |    |
|   |             |              |            |   |        |          |        |        |         |    |
|   |             |              |            |   | Updat  | e Now    |        |        |         |    |
|   |             |              |            |   |        |          |        |        | Close   |    |
|   |             |              |            |   |        |          |        |        |         |    |

• Device list

Displays the current device settings.

- **[Time Zone]** Specifies the time zone.
- [NTP Support] check box If this check box is selected, the NTP server is used.
- [Enable Daylight Saving Time] check box If this check box is selected, the daylight saving time indication will be enabled.

### 10.17.2. Non-RM Series

This section applies to the settings for units that are not part of the RM series.

| Unit ÎD                                      | Model                 | Device Name      | <b>Current Time</b>                    | Internet Time Server              | Host Name | Time Zone                     |
|--|-----------------------|------------------|--|-----------------------------------|-----------|-------------------------------|
| 01   | MRX7-D                | MRX7-D           | 2023/09/04 11:38:34                    | off                               |           |                               |
| 01   | DME7                  | DME7             | 2023/09/04 11:38:31                    | off                               |           | (UTC-08:00) Pacific Time (U . |
| 02   | DME7                  | DME7             | 2023/09/04 11:38:31                    | off                               |           | (UTC-08:00) Pacific Time (U . |
| 03   | MTX5-D                | MTX5-D           | 2023/09/04 11:38:34                    | off                               |           |                               |
| 53   | XMV828                | XMV8280-D        | 2023/09/04 11:38:34                    |                                   |           |                               |
| 57   | XMV414                | XMV4140-D        | 2023/09/04 11:38:34                    |                                   |           |                               |
|  | nt to devices         |                  | ort Internet Time Server               |                                   |           |                               |
| [Time] is se                                 |                       |                  | ort Internet Time Server               |                                   | & Canada) |                               |
| [Time] is se<br>Time Zone                    |                       |                  | ort Internet Time Server               | r.<br>C-08:00) Pacific Time (US & | & Canada) |                               |
| [Time] is se<br>Time Zone<br>Time            | :                     | that do not supp | ort Internet Time Server<br>(UT<br>202 | r.                                | & Canada) |                               |
| [Time] is se<br>Time Zone<br>Time<br>Synchre | onize with an         |                  | ort Internet Time Server<br>(UT<br>202 | r.<br>C-08:00) Pacific Time (US & | & Canada) |                               |
| [Time] is se<br>Time Zone<br>Time            | onize with an         | that do not supp | ort Internet Time Server<br>(UT<br>202 | r.<br>C-08:00) Pacific Time (US & | & Canada) |                               |
| [Time] is se<br>Time Zone<br>Time<br>Synchre | onize with an<br>Name | that do not supp | ort Internet Time Server<br>(UT<br>202 | r.<br>C-08:00) Pacific Time (US & | & Canada) |                               |

#### Device List

Displays the current device settings.

The settings are sent when ProVisionaire Design and the device are brought online.

#### • [Time zone]

Sets the time zone. The computer's time zone is set by default.

#### • [Time]

Displays the date and time according to the time zone.

#### ' [Synchronize with an Internet time server] checkbox

Acquires the time information from the specified time server and updates the device's internal clock. [Time] is sent to devices that do not support a time server.

• [Host name]

Sets the host name of the time server.

• [IP Address]

Sets the IP address of the time server.



• If you plan to specify an external time server, configure an Internet connection, and in the IP Address dialog box, specify the [DNS server address] and [Default gateway] as appropriate for the connection environment.

If you specify an external time server, make sure that the server is reliable. If you specify an unreliable server, you may be exposed to certains risks, such as an infection by a computer virus.

• When using ProVisionaire Edge, we recommend disabling the "Synchronize with an Internet time server" option. If it is enabled, the correct time may not be displayed.

#### • [Update Now] Button

Click to update the device settings at the same time.

• [Close] button Closes the dialog box.

## 10.18. "Daylight Saving Time" dialog box

To open this dialog box, click [Daylight Saving Time] from the [System] menu on the menu bar. This specifies the daylight saving time setting of the devices connected to the same network, regardless of their online/offline state.

The target device is the DME10/DME7/MTX series.

1

For RM series units, use the "Clock" dialog box to make the settings.

| 🛬 Dayligh | nt Saving Tin | ne               |             |        |            |          |           |         | ×     |
|-----------|---------------|------------------|-------------|--------|------------|----------|-----------|---------|-------|
| Unit ID   | Туре          | Device Name      | DST         | Offset | Start Time | End Time | Start Day | End Day |       |
|           |               |                  |             |        |            |          |           |         |       |
|           |               |                  |             |        |            |          |           |         |       |
|           |               |                  |             |        |            |          |           |         |       |
|           |               |                  |             |        |            |          |           |         |       |
| Enab      | le Daylight   | Saving Time      |             |        |            |          |           |         |       |
| Offset    | 00:00         | (hr:min)         |             |        |            |          |           |         |       |
| Start tin | ne 00:00      | (hr:min)         |             |        |            |          |           |         |       |
| End tim   | e 00:00       | 🗘 (hr:min) 🗹 San | ne as Start | time   |            |          |           |         |       |
| ODay      | of the wee    | k                |             |        |            |          |           |         |       |
| Start     | First ~       | Sunday v         | January     | $\sim$ |            |          |           |         |       |
|           | First ~       | Sunday 🗸 🗸       | January     | $\sim$ |            |          |           |         |       |
| Day       |               |                  |             |        |            |          |           |         |       |
| Start     | January       | ~ 1 ~            |             |        |            |          |           |         |       |
|           | January       | ~ 1 ~            |             |        |            |          |           |         |       |
|           |               |                  |             |        |            |          |           |         |       |
|           |               |                  |             |        | Update Now |          |           |         |       |
|           |               |                  |             |        |            |          |           |         | Close |

### Device List

Displays the current device status.

#### [Enable Daylight Saving Time] check box

Daylight saving time will be enabled if this check box is selected.



If the "Automatically adjust daylight saving time" check box is selected in the computer's "Date and Time" settings, you must also select the [Enable Daylight Saving Time] check box in the "Daylight Saving Time" dialog box.

#### • Offset

Specifies the amount of time by which daylight saving time is earlier than standard time.

• Start time

Specifies the time when daylight saving time begins.

For example if you set Offset as 01:00 and Start time as 12:00, the clock will be set to 13:00 when the time reaches 12:00 of the day on which daylight saving time begins.

#### • End time

Specifies the time when daylight saving time ends. If this is the same as the start time, select [Same as Start time].

For example if you set Offset as 01:00 and End time as 12:00, the clock will be set to 11:00 when daylight saving time reaches 12:00 on the last day of daylight saving time. If the [Same as Start time] check box is selected, daylight saving time will automatically be cancelled and revert to standard time on the last day of daylight saving time at the time specified by the Start time.

#### • Day of the week

If this is on, the term of daylight saving time will be specified as a day of the week. Use Start and End to specify which day of which week will be the start and end of daylight saving time. For example to specify the first Sunday in April, choose "First," "Sunday," and "April"; to specify the last Sunday in October, choose "Last," "Sunday," and "October."

#### • Day

If this is on, the term of daylight saving time will be specified as a day of a month. Use Start and End to specify the dates that will be the start and end of daylight saving time.

#### • [Update Now] button

When you click this, the device's internal clock is updated according to the settings.

#### • [Close] button

Closes the dialog box.



Events that are assigned within two hours before or after the beginning or end of daylight saving time in the "Scheduler" dialog box will not be executed correctly.

### 10.19. "GPI Calibration" dialog box

To open this dialog box, click [GPI Calibration] from the [System] menu on the menu bar. Here you can calibrate the input voltage detection range for the [GPI] connector of the device. Available only when online. These settings adjust the detection range in order to stabilize the input voltage of the [GPI] connector.

| GPI Cali  | bration |                  |                  |     |     |                  |    | ×          |  |  |
|-----------|---------|------------------|------------------|-----|-----|------------------|----|------------|--|--|
| Device: V |         |                  |                  |     |     |                  |    |            |  |  |
| 1         | 2       | 3                | 4                | 5   | 6   | 7                | 8  | All Ports  |  |  |
|           |         |                  |                  |     |     |                  |    | Reset      |  |  |
| 9         | 10      | 11               | 12               | 13  | 14  | 15               | 16 |            |  |  |
|           |         | -<br>-<br>-<br>- | -<br>-<br>-<br>- |     |     | -<br>-<br>-<br>- |    |            |  |  |
| -         | -       | -                | -                | -   | -   | -                | -  | Max<br>Min |  |  |
|           |         |                  |                  | Clo | ose |                  |    |            |  |  |

#### • [Device:]

Enables you to select a target device to calibrate.

' [All Ports] check box

Selects the check boxes of all channels.

' [Ch] check boxes

Calibration will be applied to the channels whose boxes are selected

#### <sup>•</sup> Calibration data

The input voltage is shown in real time as a graph.

| 📑 GPI Calib | Sept Calibration  |   |   |       |        |   |   |  |  |  |  |
|-------------|-------------------|---|---|-------|--------|---|---|--|--|--|--|
| Device: 0   | Device: 01 DME7 V |   |   |       |        |   |   |  |  |  |  |
| 1           | 2                 | 3 | 4 | 5<br> | 6<br>□ | 7 | 8 |  |  |  |  |
|             |                   |   |   |       |        |   |   |  |  |  |  |
|             |                   |   |   |       |        |   |   |  |  |  |  |

#### ' [Reset] button

Calibration will be reset for the channels whose boxes are selected.

' [Max] button

Sets the current input voltage of the selected channels to the maximum value. The maximum value you set is shown by  $\mathbf{N}$ .

' [Min] button

Sets the current input voltage of the selected channels to the minimum value. The minimum value you set is shown by  $\mathbf{Z}$ .

#### **Calibration procedure**

- 1. Connect your external device to the DME/MTX's [GPI] connector.
- 2. Select the check box of the channel numbers for which you want to perform calibration. If you want to select all channels, select the [All Ports] check box.
- 3. To specify the detection range, increase the input from the external device to the maximum and click the [Max] button; then decrease the input to the minimum and click the [Min] button. This lets you specify the optimal detection range as appropriate for voltage drop caused by wiring or due to the specifications of your devices.

• The threshold for on/off switching will be the center value between the maximum and minimum input voltage values (the sum of the maximum value and minimum value, divided by



2). To prevent malfunctions, you should allow plenty of range for detection.
If the voltage has dropped because of cable length or noise, adjust the maximum and minimum input voltage values. Since voltage may become unstable, configure and set up your external circuit to ensure that there is ample distance between the maximum and minimum values.

### 10.20. "Get Log from Devices" dialog box

To open this dialog box, click [Get Log from Devices] from the [System] menu on the menu bar. A record of the MTX series/XMV system's operation is stored as a "log" in the MTX series/XMV's internal memory. In this dialog box you can output the logs of all MTX series/XMV units existing on the subnet to which your computer is connected, and save them as a file. The log file is in ".csv" format.

| 😽 Get Log  | ×                       |
|--|-------------------------|
| Logs from the device.<br>Applicable models are MTX3, M | 1TX5-D, and XMV series. |
| Output File Name :<br>cuments/Yamaha/ProVisionair      | e Design/20230306.csv   |
| Log Clear  | OK Cancel               |

#### • [Output File Name:] text box

Shows the location (absolute path) in which the log file is saved. You can also enter this directly.

#### • [...] button

Opens the file browser and selects the file that will be output as the log.

#### • [Log Clear] button

Deletes the log for all devices existing on the subnet.

\* [OK] button

Outputs the log file and closes the dialog box.

• [Cancel] button

Cancels log file output and closes the dialog box.

### 10.21. "RM Series Settings" > "Sign up" dialog box

To open this dialog box, click [RM Series Settings] from the [System] menu on the menu bar, and then click [Sign up...].

This dialog box enables you to set the initial password for an RM series unit.

To control the device from ProVisionaire Design, you must set an initial password.

| <table-of-contents> Sign Up</table-of-contents> |               | ×  |
|---|---------------|--|
| Unit ID   | Model         | Device Name  |
|   |               |  |
|   |               |  |
|   |               |  |
|   |               |  |
| Password  |               |  |
| ∠ Display a                                     | a message whe | en you discover a device that is not signed up or logged in. |
|   |               | Sign Up Close  |

#### Device List

Displays RM series units on the network for which an initial password has not been set.

#### $\,\circ\,$ Unit ID / Model / Device Name

These columns indicate the device Unit ID, device model name, and device name. To change the device name, use the [Device Name] field in the "Properties" area of the "Project" sheet.

#### ' [Password] text box

Enter a password here (4-16 alphanumeric characters).

• [Display a message when you discover a device that is not signed up or logged in.] check box If this item is checked, and if ProVisionaire Design detects any devices for which the initial password has not been set or any devices that have not signed in, the "Sign Up" or "Login" dialog box will automatically appear.

### 10.22. "RM Series Settings" > "Login" dialog box

To open this dialog box, click [RM Series Settings] from the [System] menu on the menu bar, and then click [Login...].

You must log in to be able to control the devices via ProVisionaire Design.

| 🔁 Login  |       |   | ×              |  |  |  |  |  |
|--|-------|---|----------------|--|--|--|--|--|
| Password   |       |   |                |  |  |  |  |  |
| Unit ID  | Model | Device Name   |                |  |  |  |  |  |
|  |       |   |                |  |  |  |  |  |
|  |       |   |                |  |  |  |  |  |
|  |       |   |                |  |  |  |  |  |
|  |       |   |                |  |  |  |  |  |
|  |       |   |                |  |  |  |  |  |
|  |       | e control access.<br>h System menu > RM Series Settings > Enable SCP remote c | ontrol access. |  |  |  |  |  |
| Display a message when you discover a device that is not signed up or logged in. |       |   |                |  |  |  |  |  |
|  |       | Login   | Close          |  |  |  |  |  |

#### ' [Password] text box

Enter a password here (4-16 alphanumeric characters).

• Device List

#### $\,\circ\,$ Unit ID / Model / Device Name

These columns indicate the device Unit ID, device model name, and device name. To change the device name, use the [Device Name] field in the "Properties" area of the "Project" sheet.

- [Display a message when you discover a device that is not signed up or logged in.] check box If this item is checked, and if ProVisionaire Design detects any devices for which the initial password has not been set or any devices that have not signed in, the "Sign Up" or "Login" dialog box will automatically appear.
- [Login] button

Executes log-in and closes the dialog box.

• [Close] button

Cancels log-in and closes the dialog box.



If the "Enable SCP remote control access" setting for a device has been turned off, it will automatically be turned on at the time of log-in.

To disable this setting, access the [System] menu > RM Series Settings > Enable SCP remote control access.

### 10.23. "RM Series Settings" > "Password Settings" dialog box

To open this dialog box, click [RM Series Settings] from the [System] menu on the menu bar, and then click [Password Settings].

This dialog box enables you to change the password for the devices.

| Password Settings |       |             |        |  |
|-------------------|-------|-------------|--------|--|
| Unit ID           | Model | Device Name |        |  |
|                   |       |             |        |  |
|                   |       |             |        |  |
|                   |       |             |        |  |
|                   |       |             |        |  |
| Password          |       |             |        |  |
|                   |       | ОК          | Cancel |  |

#### • Device List

Displays the logged-in device in the list.

#### • Unit ID / Model / Device Name

These columns indicate the device Unit ID, device model name, and device name. To change the device name, use the [Device Name] field in the "Properties" area of the "Project" sheet.

#### ' [Password] text box

Enter a password here (4-16 alphanumeric characters). Overwrites the existing password for all the devices with the new password.

#### • [OK] button

Sets the password and closes the dialog box.

#### ' [Cancel] button

Discards the modified password and closes the dialog box.

# 10.24. "RM Series Settings" > "Enable SCP remote control access" dialog box

To open this dialog box, click [RM Series Settings] from the [System] menu on the menu bar, and then click [Enable SCP remote control access].

To be able to modify the settings via a controller (such as ProVisionaire Design), you must turn on the "Enable SCP remote control access" setting.

| Enable SCP remote control access |         |             |   |
|----------------------------------|---------|-------------|---|
| ALL ON                           | ALL OFF |             |   |
| Unit ID                          | Model   | Device Name |   |
|                                  |         | OK Cancel   | ] |

#### • Device List

#### Unit ID / Model / Device Name

These columns indicate the device Unit ID, device model name, and device name. To change the device name, use the [Device Name] field in the "Properties" area of the "Project" sheet.

### • [ALL ON] button

Selects all devices.

#### • [ALL OFF] button

De-selects all devices.

• Check box

If you add a check mark to this check box and click the [OK] button, the "Enable SCP remote control access" setting will be enabled.

• [OK] button

Enables the setting and closes the dialog box.

• [Cancel] button

Discards the setting and closes the dialog box.

# 10.25. "Linked Presets Manager" dialog box

To open this window, click 📩 on the toolbar.

You can store or recall presets and snapshots for each device collectively.

A group of any presets for each device is called a "linked preset."

This dialog box enables you to assign presets on the devices to a linked preset.



The DZR series/DXS-XLF series cannot be stored nor recalled when in the offline state.

| Sto | Recall    | All C | On All Off  |         |          |                | Preset |
|-----|-----------|-------|-------------|---------|----------|----------------|--------|
| No  | Name      | Store | Device Name | Unit ID | Model    | Preset         |        |
| 1   | Preset 01 |       | MTX3        | 01      | MTX3     | 01 [No Data]   | -      |
| 2   | Preset 02 |       | DZR10-D     | 01      | DZR10-D  | 🖪 Initial Data | -      |
| 3   | Preset 03 |       | PC412-DI    | 01      | PC412-DI | 01 Preset 01   |        |
| 4   | [No Data] |       |             |         |          | ,              | -      |
| 5   | [No Data] |       |             |         |          |                |        |
| 5   | [No Data] |       |             |         |          |                |        |
| 7   | [No Data] |       |             |         |          |                |        |
| 3   | [No Data] |       |             |         |          |                |        |
| 9   | [No Data] |       |             |         |          |                |        |

Basic use is as follows.

- 1. In the list at left, select the store-destination link preset.
- 2. In the list at right, add a check mark to the devices that you want to store.
- <sup>3.</sup> Click the [Store] button.

The preset is stored in the number you selected in step 1 for each device that you selected in step 2. To remove a device from being a target of linked presets, select [----] in the [Preset] column of the list at right.

Note that the DME series and MRX7-D are not stored here.

After storing a linked preset, specify a stored snapshot for the DME series, or a stored preset for the MRX7-D in the "Preset" column.

If you specified presets on each device in advance, use the following procedure.

- 1. In the list at left, select the store-destination link preset.
- 2. In the list at right, clear the check box of the device on which a preset has been specified.
- 3. In the list at right, select the [Preset] of the device on which it was already stored.
- 4. Click the [Store] button.
- ' [Store] button

Store the linked preset. When you store to an empty linked preset, the "Store Linked Preset" dialog box appears.

- [Recall] button Recalls the selected linked preset.
- Link preset field

Selects the linked preset to store or recall.

• [Copy] button Copies the selected linked preset.

### · [Paste] button

Pastes the copied linked preset to the selected linked preset.

• [Clear] button

Erases the selected linked preset.

• [All On] button

Adds a check mark to the [Store] check box of all devices in the list.

• [All Off] button

Clears the check mark from the [Store] check box of all devices in the list.

### · [Preset] button

Shows the device sheet of the currently-selected device.

### Device list

Shows a list of the devices with preset functionality that are registered in the project.

### • [Store] check box

If this check box is selected, the preset selected in the [Preset] list box is overwrite-saved to

devices whose [Store] check box is selected in the device list.

If the [Preset] list box is [----], it is overwrite-saved to the preset of the same number as the linked preset.

If settings are already stored in the preset number of the device, and that preset number is selected in the [Preset] list box, clear the check mark.

### Device Name / Unit ID / Model

These columns indicate the device name, device Unit ID, and device model name. To change the device name, use the [Device Name] field in the "Properties" area of the "Project" sheet.

### • [Preset] list box

Select the device's preset that you want to link to the linked preset.

You can change the preset number after storing. If you want to exclude it from linked preset recall, select [----].

### • [Close] button

Closes the dialog box.

# 10.26. "Store Linked Preset" dialog box

In the "Linked Presets Manager" window, click the [Store] button to access this dialog.

| Store Linked Preset X |  |
|-----------------------|--|
| Name                  |  |
| Preset 01             |  |
| Store Device Presets  |  |
| OK Cancel             |  |

### • [Name] text box

Enter a name for the linked preset. By default, this will be "Preset + preset number." You can't store if the linked preset name field is empty.

### • [Store Device Presets] check box

If this check box is cleared, the check box in the list at the right of the "Linked Presets Manager" window is cleared, and the device's preset will not be overwrite-stored.

If you previously stored settings in the device's preset number, clear this check box to prevent overwriting. The settings are stored with the [Store] check box cleared.

### • [OK] button

Specifies the linked preset and closes the dialog box.

### · [Cancel] button

Closes the dialog box without specifying the linked preset.

# 10.27. Port Label Dialog

With the port selected, click on the "Label" Value in the Properties area to display it. All port names of the components, including the selected port, can be edited at once.

| Port Label                           |                |     |            |  |   |
|--------------------------------------|----------------|-----|------------|--|---|
| Acoustic I                           | Echo Canceller |     |            |  |   |
| IN                                   | Port Label     | OUT | Port Label |  | ^ |
| Mic In1                              |                | 1   |            |  |   |
| Mic In2                              |                | 2   |            |  |   |
| Mic In3                              |                | 3   |            |  |   |
| Mic In4                              |                | 4   |            |  |   |
| Mic In5                              |                | 5   |            |  | ~ |
| Set Default Name All Clear OK Cancel |                |     |            |  |   |

### • Component name

The component name containing the selected port is displayed at the top of the list.

### ' [IN]/[OUT] Field

Displays the default name of the port.

### ' [Port Label] Field

Displays/edits the port name. Press < Enter > to confirm the input and move the focus to the next port. The focus can also be moved using the cursor keys.

### ' [Set Default Name] Button

Sets the default name (the name displayed in the [IN]/[OUT] field) in the [Port Label] field.

### • [All Clear] Button

Clears all port names.

### • [OK] Button

Saves the settings and closes the dialog.

### • [Cancel] Button

Closes the dialog without changing the settings.

# 11. Context menus

- 11.1 Sheet tabs
- 11.2 "Project" sheet
- 11.3 Device sheet

In some areas, a context menu appears when you right-click.

A context menu does not appear in the "Devices" area, the "Network" area, or the "Bird's Eye" view.

# 11.1. Sheet tabs

The following context menu appears when you right-click a sheet tab.

| Menu    | Content           |
|---------|-------------------|
| [Close] | Closes the sheet. |

# 11.2. "Project" sheet

The following context menu appears when you right-click the "Project" sheet.

| Menu                       | Content   |
|----------------------------|---|
| [Paste]                    | Pastes the copied object onto the sheet.  |
| [Select All]               | [All]<br>Selects all objects in the sheet. If you want to select the devices in a<br>device group, select the device group and then choose [All].                     |
|                            | [All Devices]<br>Selects all devices in the sheet. If you want to select the devices in a<br>device group, select the device group and then choose [All Devices].     |
|                            | [All Wires]<br>Selects all wires in the sheet. If you want to select the wires in a device<br>group, select the device group and then choose [All Wires].             |
|                            | [All Graphics]<br>Selects all graphics in the sheet. If you want to select the graphics in a<br>device group, select the device group and then choose [All Graphics]. |
| [Close All Editor Windows] | Closes all editors.   |
| [Snap to Grid]             | If this is checked, objects are placed in alignment with the grid of the sheet.   |

# 11.2.1. Device in the "Project" sheet

The following context menu appears when you right-click a device in the "Project" sheet.

| Menu | Content   |
|------|---|
|      | If this item has a check mark, the device's output jacks are shown. This is<br>the same as using the [+] button in the upper left of the device. This menu<br>applies only to power amps. |

| Menu  | Content  |
|---|--|
| [Open Device Sheet]   | Opens the device sheet of the device. This is the same as double-clicking the device.        |
| [Identify] Causes the indicators of the device to flash for several secon |  |
| [Alert Information]   | When executed on a device that is shown in red text, displays the "Alert" dialog box.        |
| [Cut]   | Moves the device to the copy buffer.   |
| [Copy]  | Copies the amp including its parameter settings.   |
| [Paste]   | Duplicates the device in the copy buffer, including its parameter settings.                  |
| [Paste Parameters]  | If you select an existing device and execute this, the copied device parameters are applied. |
| [Duplicate]   | Duplicates the device including its parameter settings.                                      |
| [Delete]  | Deletes the device.  |
| [Add to Link Group]   | Registers the device's channels in a link group.   |
| [Create Device Group]   | Registers the selected objects in a device group.  |
| [Bring to Front]  | Moves the device display to the foreground.  |
| [Send to Back]  | Moves the device display to the background.  |
| [Device Mute]   | Mutes the device.  |

# 11.2.2. Speaker in the "Project" sheet

When you right-click a speaker in the "Project" sheet, the following context menu appears, although menu items may be present or absent depending on the device that is connected.

| Menu                           | Content  |
|--------------------------------|--|
| [Open Speaker]                 | If this item has a check mark, the speaker's input jacks are shown. This is the same as using the [+] button in the upper left of the speaker. |
| [Open Speaker Editor]          | Opens the "Speaker Editor". This is the same as double-clicking the speaker.   |
| [Open Multiple Speaker Editor] | If multiple speakers are selected, this opens the "Multiple Speaker Editor".<br>If a single speaker is selected, the "Speaker Editor" opens.   |
| [Recall Speaker Preset(s)]     | Opens the "Recall Speaker Preset(s)" dialog box.   |
| [Cut]                          | Moves the speaker to the copy buffer.  |
| [Сору]                         | Copies the speaker to the copy buffer.   |
| [Paste]                        | Duplicates the speaker in the copy buffer, including its parameter settings.   |
| [Duplicate]                    | Duplicates the speaker.  |
| [Delete]                       | Deletes the speaker.   |
| [Add to Link Group]            | If the speaker is connected to an amp, registers the channel of the connected amp.   |

#### 11. Context menus

| Menu                  | Content   |
|-----------------------|---|
| [Create Device Group] | Registers the selected objects in a device group. |
| [Bring to Front]      | Moves the speaker display to the foreground.      |
| [Send to Back]        | Moves the speaker display to the background.      |

### 11.2.3. Device group in the "Project" sheet

The following context menu appears when you right-click a device group in the "Project" sheet.

| Menu                               | Content  |
|------------------------------------|--|
| [Open Group Editor]                | Opens the "Group Editor".  |
| [Cut]                              | Moves the device group to the copy buffer.   |
| [Сору]                             | Copies the device group to the copy buffer.  |
| [Paste]                            | Duplicates the device group in the copy buffer.  |
| [Paste to Device Group]            | Duplicates the device group in the copy buffer within the device group.  |
| [Delete]                           | Deletes the device group.  |
| [Select All]                       | [All]<br>Selects all objects in the device group.  |
|                                    | [All Devices]<br>Selects all devices in the device group.  |
|                                    | [All Wires]<br>Selects all wires in the device group.  |
|                                    | [All Graphics]<br>Selects all objects in the device group.   |
| [Linked Presets Manager for Group] | Opens the "Linked Presets Manager for Group" window with the devices in the device group as the target. For details, refer to "Linked Presets Manager" dialog box. |
| [Unpack Device Group]              | Cancels the device group.  |
| [Bring to Front]                   | Moves the device group's display to the foreground.  |
| [Send to Back]                     | Moves the device group's display to the background.  |

## 11.2.4. Text, Line, or Polygon in the "Project" sheet

The following context menu appears when you right-click a graphic such as Text, Line, or Polygon in the "Project" sheet.

| Menu    | Content                                    |
|---------|--|
| [Cut]   | Moves the graphic to the copy buffer.      |
| [Сору]  | Copies the graphic to the copy buffer.     |
| [Paste] | Duplicates the graphic in the copy buffer. |

| Menu                  | Content  |
|-----------------------|--|
| [Duplicate]           | Duplicates the graphic.                            |
| [Delete]              | Deletes the graphic.                               |
| [Create Device Group] | Registers the selected graphics in a device group. |
| [Bring to Front]      | Moves the graphic display to the foreground.       |
| [Send to Back]        | Moves the graphic display to the background.       |

### 11.2.5. Wire in the "Project" sheet

The following context menu appears when you right-click a wire in the "Project" sheet or a device sheet, although certain menu items may be present or absent.

| Menu             | Content                                 |
|------------------|---|
| [Delete]         | Deletes the wire.                       |
| [Bring to Front] | Moves the selected wire to the front.   |
| [Send to Back]   | Moves the selected wire to the back.    |
| [Insert Node]    | Adds a node to the wire.                |
| [Remove Segment] | Deletes the wire segment between nodes. |

### 11.2.6. "Network" area

The following context menu appears when you right-click a device.

| Menu                       | Content   |
|----------------------------|---|
| [Alert Information]        | When executed on a device that is shown in red text, displays the "Alert" dialog box. |
| [Identify]                 | Causes the indicators of the device to flash for several seconds.                     |
| [Sign Up] (RM series only) | Opens the "RM Series Settings > Sign up" dialog box.                                  |
| [Login] (RM series only)   | Opens the "RM Series Settings > Log In" dialog box.                                   |

# 11.3. Device sheet

### 11.3.1. Components and component editors in the device sheet

When you right-click somewhere other than on a component's controller, or on a component, the following context menu appears (not all items are shown for all components).

| Menu                    | Content  |
|-------------------------|--|
| [Open Component Editor] | Opens the component editor.                                    |
| [Copy]                  | Copies the parameter settings of the component editor.         |
| [Paste Parameters]      | Applies the copied parameter settings of the component editor. |

# 12. Common operations for device sheets

- 12.1 Component editor operations
- 12.2 Editing the parameters
- 12.3 Registering parameters to ProVisionaire Control PLUS

The following operations are common to device sheets.

# 12.1. Component editor operations

To open the component editor, double-click or right-click a component in the device sheet, and choose [Open Component Editor].

For details on the context menus, refer to "Context Menus".

If you want to switch between component editors within a single window, click the recycle symbol (

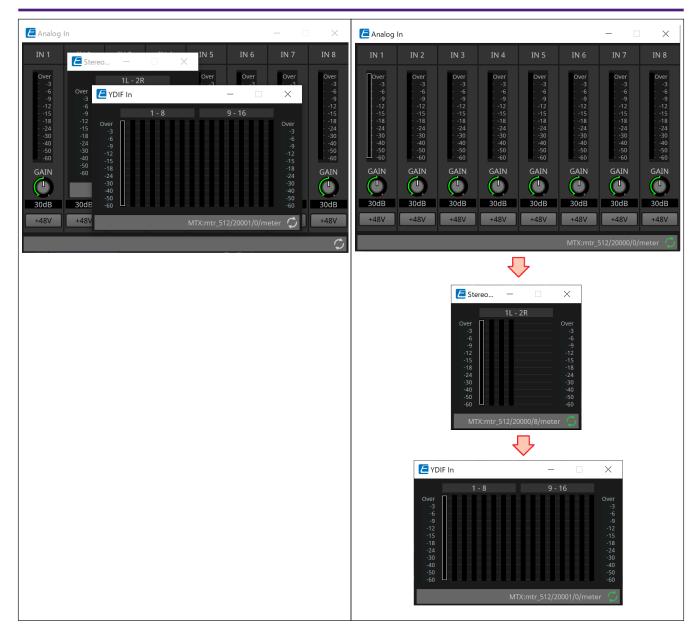
lower right of the component editor to make it turn green (**Second**). If you open another component editor, the display of the component editor in the foreground will change.



You can adjust the magnification ratio for Editor. Choose from 50, 75, 100, 150, and 200.

| If the recycle symbol is gray | If the recycle symbol is green |
|-------------------------------|--------------------------------|
|-------------------------------|--------------------------------|

12. Common operations for device sheets



## 12.2. Editing the parameters

Here we explain how to edit parameters in the component editor.

### • Knobs

There are several ways to edit a knob parameter.

- $_{\circ}\,$  Select the knob, hold down the left mouse button, and move the mouse cursor up or down.
- 。Select the knob and turn the mouse wheel.
- $_{\circ}\,$  Select the numeric display area, hold down the left mouse button, and move the mouse cursor up or down.
- $_{\circ}\,$  Select the numeric display area and turn the mouse wheel.
- $_{\circ}\,$  Double-click the numeric display area and directly enter a numeric value.
- $_{\circ}$  Use < Alt >+click to set the nominal value.



Sliders

There are several ways to edit slider parameters such as faders.

- <sup>°</sup> Drag the slider's controller.
- $_{\circ}\,$  Select the slider's controller, and turn the mouse wheel inside the frame.
- Select the numeric display area, hold down the left mouse button, and move the mouse cursor up or down.
- $_{\circ}\,$  Select the numeric display area and turn the mouse wheel.
- 。Double-click the numeric display area and directly enter a numeric value.
- 。Use < Alt >+click to set the nominal value.



### • Buttons

The parameter of a button changes when you click the button. There are several types of buttons. The color of the illumination differs depending on the function.

#### Switching a function between enabled and disabled

The button is lit when the function is enabled.



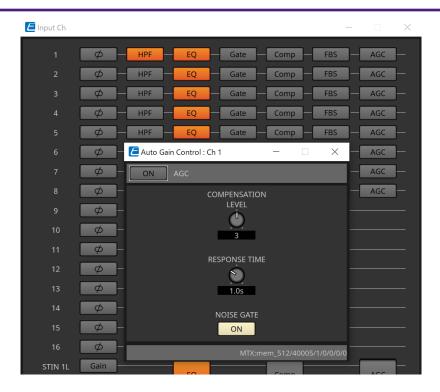
#### Making a mutually exclusive selection

In a set of multiple buttons, enabling one button disables all other buttons.



### Opening a parameter setting window or another component editor

Click the button to open a parameter setting window or another component editor.



### Displaying a menu

Click the button to access a menu.



# 12.3. Registering parameters to ProVisionaire Control PLUS

You can register the device parameters, snapshots and presets stored in ProVisionaire Design to ProVisionaire Control PLUS.

| Registration source                 | Registration method   |
|-------------------------------------|---|
| Component editor                    | While pressing and holding down < Ctrl >, drag and drop a parameter to a page in ProVisionaire Control PLUS.  |
| "Parameters" area                   | Drag and drop a parameter to a page in ProVisionaire Control PLUS.  |
| "Preset" Area/"Parameter Sets" Area | Drag and drop the preset/snapshot/snapshot group* to the ProVisionaire<br>Control PLUS page.<br>*Snapshot group is a function of the MRX7-D only.       |
| Link Control editor                 | While holding the < Ctrl > key down, drag and drop Link Control into the<br>ProVisionaire Control PLUS page.<br>*This is a function of the MRX7-D only. |

# 13. Audio Processors DME10/DME7

- 13.1 Overview
- 13.2 "Project" sheet
- 13.3 Device sheet screen configuration
- 13.4 Basic use of ProVisonaire Design
- 13.5 Tool buttons
- 13.6 "Components" area
- 13.7 Design sheet
- 13.8 Design sheet: Audio layer
- 13.9 Design sheet: Control layer
- 13.10 Components other than audio or control components
- 13.11 "Parameter Sets" area
- 13.12 Parameter Link Group Area
- 13.13 Temporary Link Group
- 13.14 "Properties" area
- 13.15 "Parameters" area
- 13.16 Context Menu
- 13.17 Dialog box
- 13.18 Message List

## 13.1. Overview

The DME10/DME7 is a freely configurable processor that allows you to place components as desired to freely design a system.

The DME can be operated from an external controller such as DCP/MCP1.

In the device sheet of DME, your workflow consists of freely placing Components and then Compile the result. Then, in communication with the DME unit, you'll use the Component editor to edit the parameters.

The Trace Signal Path function allows the signal path to be displayed (signal path display). By using the Duplicate Port Label function, you the name of the starting port can be successively duplicated along the signal path (input port name duplication).

Parameters are stored/recalled in the form of Snapshot. Multiple parameters that you want to store/recall can be grouped (Parameter Sets), and 100 sets of parameter values can be stored for each parameter set as snapshots. Snapshots can also be recalled from a remote controller.

Multiple parameters can be linked(parameter link groups).

The initial values of a component, together with data that specifies the wiring between components, can be saved on a computer as a User style. By saving a user style, don't have to change the settings each time you

place a component. User styles can also be transferred to another computer. Components and the wires between components can be encapsulated as a User Defined Block. By encapsulating multiple components as a single block, you can make the sheet look cleaner, or copy blocks to easily create the same functionality for other channels. By specifying "View Only" mode or "Protect" mode for individual blocks, you can protect blocks when "Protect User Defined Block" is executed.

# 13.2. "Project" sheet

You can place devices in this sheet. The following "Settings" dialog box appears when you try to place a device.

|         |   | JI D | evices              | <b>₽</b> × | 🗎 Proje    | ect       | 🖪 🕏 Tuning    |         |         |     |   |     |    |
|---------|---|------|---------------------|------------|------------|-----------|---------------|---------|---------|-----|---|-----|----|
|         | E | ] [  | - 🤇 Filter          |            | nhun       | 100       |               | andanan | 300     | 40  | D | duu | mm |
| Devices |   | Ľ    | Audio Processors    | ^          |            |           |               |         |         |     |   |     |    |
| ces     |   |      | DME7                |            |            | 🕂 Setting |               |         | ×       |     |   |     |    |
|         |   |      | MTX5-D              |            | 0          | Setting   | S             |         | ~       |     |   |     |    |
|         |   |      | MTX3                |            | - <u>-</u> | DME7      |               |         |         | ••• |   |     |    |
| Network |   |      | HINSON YDIF         |            |            | Capacity  | 1             | 64      | ~       |     |   |     |    |
| vork    |   | Ľ    | MTX/MRX I/O Expande | ers        |            | Sampling  | g Frequency   | 96kHz   | ×.      | • • |   |     |    |
|         |   |      | EXi8                |            | 0          | Number    | of Devices    | 1       | <b></b> | · · |   |     |    |
|         |   |      | EX08                |            |            | Unit ID S | Starting From | 01      | $\sim$  | ::  |   |     |    |
|         |   | Ľ    | Power Amplifiers    |            | 물기기        | Device N  | lame          | DME7    |         | • • |   |     |    |
|         |   |      | PC Series           |            |            |           |               | ОК      | Cancel  |     |   |     |    |
|         |   |      | PC406-D             |            | 200        |           |               | OK      | Cancer  |     |   |     |    |
|         |   |      | PC406-DI            |            |            |           |               |         |         |     |   |     |    |

### Capacity(DME7 only)

The number of inputs and outputs for the Dante, Matrix Mixer, and Router components. Select from 64, 128, 192, and 256. Match the capacity to that of the DME7 main unit. For more information, refer to the Properties area > Capacity.

### Sampling Frequency

Specifies the sampling rate for the device. Select from 44.1kHz, 48kHz, 88.2kHz, and 96kHz.

#### • Number of Devices

Selects the number of DME units to be placed in the "Device" sheet.

#### • Unit ID Starting From

Specifies the device Unit ID number to start with.

#### Device Name

Enables you to view and edit the device name.

### 13.2.1. Tool bar

|       |     | Trace Sigr                   | nal Path           |               | Editor Magr                 | nification     |       |       |          |
|-------|-----|------------------------------|--------------------|---------------|-----------------------------|----------------|-------|-------|----------|
| 4     | Pro | Visionaire Design            |                    |               | - 1 - E                     |                | -     |       | ×        |
| File  | E   | dit View System Tools Ar ang | je Window Help     |               |                             |                |       |       |          |
| C     |     | 🗈 🗟 🖶 ち 🖒 🖉 🛄                | 🕞 🕀 🔍 75% 🔹        | ▝▝▁▕曰▝▋▐▌▝▌▐▖ | E II 🖹 🖻 75%                | - 🗙 🔪 🍨        |       |       |          |
|       |     | - <b>- 6</b>                 | Online Offline     | Solo Mode     |                             |                |       |       |          |
|       | E   | Devices                      | × 🖹 Project 📑      | 🌣 Tuning      | O                           | 🔧 Properties   |       |       | ₽ ×      |
|       |     | + - 🤉 Filter                 | _andoraud.000adaaa |               | a.t.a.a.d.609.a.d.a.a.a.d.7 | ± E            |       | B Sav | ve Style |
| Devic |     | 🗉 🖿 Audio Processors         | ^                  |               |                             | Property       | Value |       | ^        |
| ices  |     | DME7                         | Ř                  |               |                             | Device         |       |       |          |
|       |     | MRX7-D                       |                    |               |                             | Model          | DME7  |       |          |
|       |     | MTX5-D                       | 8                  | 01 DME7       |                             | Capacity       | 64    |       |          |
| Net   |     | (IIIIII) MTX3                | m                  | 0 0           |                             | Sampling Frequ | 96kHz |       |          |

### Editor Magnification

Enables you to modify the magnification ratio for the component editor.

### Trace Signal Path

If you select a port or wire while this command is turned on, the signal path will be traced starting with the selected point as the origin and display flashing lines connecting to the input and output.

### 13.2.2. "Properties" area

This area enables you to view and edit the information on the DME.

| ર    |                    |                            |  |
|------|--------------------|----------------------------|--|
|      |                    | B Save S                   |  |
| Prop | perty              | Value                      |  |
| C    | Device             |                            |  |
| N    | Nodel              | DME7                       |  |
| C    | Capacity           | 64                         |  |
| s    | Sampling Freque    | 96kHz                      |  |
| C    | Device Name        | DME7                       |  |
| ι    | Jnit ID            | 01                         |  |
| C    | ОСР                |                            |  |
| ι    | Jtilities          |                            |  |
| E    | Brightness         | 6                          |  |
|      | .CD Contrast       | 9                          |  |
| A    | Auto Dimmer Time   | Never                      |  |
| C    | Dimmer Ratio       | 25%                        |  |
| A    | Auto Lock Time     | Never                      |  |
| E    | nable Unlock PIN   | Off                        |  |
| C    | Display            |                            |  |
|      | ont                | A [Noto Sans, 12]          |  |
|      | Name               | Noto Sans                  |  |
|      | Size               | 12                         |  |
|      | Bold               | False                      |  |
|      | Italic             | False                      |  |
|      | Strikeout          | False                      |  |
|      | Underline          | False                      |  |
| F    | ont Color          | 255, 255, 255, 255         |  |
|      | Background Color   | 255, 133, 153, 148         |  |
|      | Foreground Color   | 255, 133, 153, 148         |  |
|      | Border Color       | <b>2</b> 255, 89, 104, 100 |  |
|      | Brush Style        | SimpleGradientVertical     |  |
|      | ocation            | 348, 336                   |  |
|      | X                  | 348                        |  |
|      | Y                  | 336                        |  |
| = s  |                    | 120, 36                    |  |
|      | Width              | 120, 56                    |  |
|      | Height             | 36                         |  |
| -    | Dutput Wiring Step |                            |  |
|      | nput Wiring Step   | 0                          |  |
| 1    | nput winnig step   | U                          |  |

#### • Device

### Capacity(DME7 only)

The number of inputs and outputs for the Dante, Matrix Mixer, and Router components. Select from 64, 128, 192, and 256.

This capacity must match that of the DME7 unit.

The factory default setting for the capacity of the DME unit is 64. If the capacity is 64, the maximum number of available inputs and outputs for Dante, and for Matrix Mixer and Router

#### components, is 64-in/64-out.

Each time you add a license (DEK-DME7-DX64), the number of inputs and outputs for Dante, and for

Matrix Mixer and Router components, will increase by 64 channels.

You can add up to three licenses. Refer to the "Device License Activation Guide" for more information on how to add a license to the device.

#### Sampling Frequency

Specifies the sampling rate for the device. Select from 44.1kHz, 48kHz, 88.2kHz, and 96kHz. This rate must match the sampling rate for Dante.

• Unit ID

This value must match the Unit ID for the DME unit. The factory default setting is 1.

### • DCP

Select a DCP (Digital Control Panel) to connect to the DCP port on the DME. If you select a DCP, the DCP component will be added to the "Device" sheet.

| 🚽 DC | CP          |   | × |
|------|-------------|---|---|
| ID   | Model       | Name  | ^ |
| 0    | None        |   |   |
| 1    | None        |   |   |
| 2    | None        |   |   |
| 3    | None        |   |   |
| 4    | None        |   |   |
| 5    | None        |   |   |
| 6    | None        |   |   |
| 7    | None        |   | ~ |
| DEVI | P ID=0 ID=1 | None         None <th< td=""><td>4</td></th<> | 4 |
|      |             | set DCP DIP switch 4 (termination) to the ON position for the<br>DCP cable run from device.<br>OK Cancel  |   |

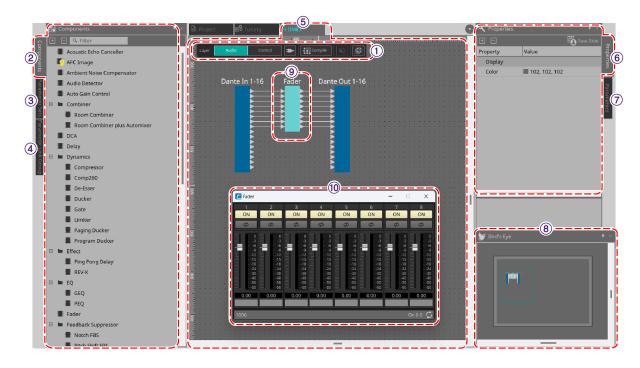
Refer to the DCP section for details.

For the rest of the items, refer to the description that appears when the corresponding items are selected in the "Properties" area.

| Border color                                | 233, 03, 104, 100      |   |
|---|------------------------|---|
| Brush Style                                 | SimpleGradientVertical |   |
| 🗆 Location                                  | 480, 144               |   |
| х   | 480                    | v |
| <   | >                      |   |
| <b>Brush Style</b><br>Edit Brush Style of I | Device Block.          |   |
|   |                        |   |

# 13.3. Device sheet screen configuration

Device sheet consists of a menu bar, tool buttons, "Components" area, "Parameter Sets" area, design sheet, "Properties" area, "Parameters" area, and "Bird's Eye" view.



### ① Tool buttons

Frequently-used commands are provided here as buttons (Tool buttons).

### ② "Components" area

Lists components for the Audio layer and Control layer respectively ("Components" area).

### **③ "Parameter Sets" area**

Enable you to configure parameter sets or snapshots ("Parameter Sets" area).

### (4) "Parameter Link Group" area

Enables you to create a parameter link group to link multiple parameters of the Level-type and ON/OFF-type ("Parameter Link Group" area).

### **5** Design sheet

In this sheet you can place and connect components (Design sheet).

### 6 "Properties" area

Enables you to modify the settings for the currently-selected component, port, or wire ("Properties" area).

### ⑦ "Parameters" area

Lists components that have been placed in the "Design" sheet (Audio layer or Control layer), and their parameters ("Parameters" area).

### **⑧** "Bird's Eye" view

This shows an overview of the sheet.

### **9** Component

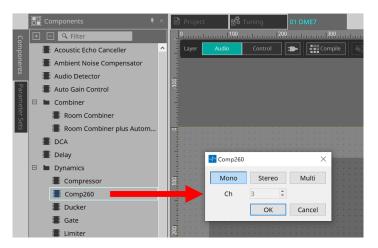
Various signal processing modules, such as an equalizer or compressor, are called "components."

### **10** Component editor

Use the component editor to specify the parameters.

## 13.4. Basic use of ProVisonaire Design

1. From the "Components" area at the left, drag the component that you want to use and drop it on the design sheet.



If you drop a component that has multiple candidates such as channels, the candidates are displayed; select the one that you want to use as necessary.



Double-click on a component in the "Components" area to select Stamp mode; in this mode, components are placed successively each time you click the design sheet. To cancel Stamp mode, press < Esc > or click any component in the list.

To make a connection, drag the of a component and drop it on the of another component.
 For details, refer to Connecting ports.



3. Double-click a component or right-click it and choose "Open Component Editor"; the component editor opens, allowing you to operate the parameters.

| Gate Comp260   | - 🗆 X  |
|--|--|
| Comp260  |  |
| KEY IN   |  |
| self Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>Self<br>S | 0mm<br>10 4 4 11 12 12 12 12 12 12 12 12 12 12 12 12 |
| 2  | 0n 0 0 🇘   |

4. When you have made the necessary settings, click the "Compile" button to check whether there are any problems with the placement and connections of the component.



# 13.5. Tool buttons

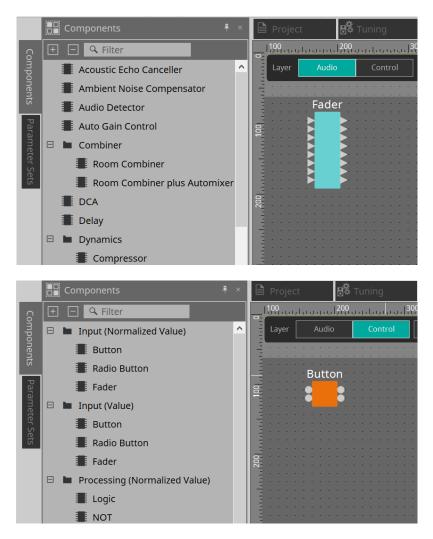
Commands frequently used in DME are provided as buttons.

|       | Components          | ₹× | Projec | t 📑   | Tuning  | 01 DME7 |  |
|-------|---------------------|----|--------|-------|---------|---------|--|
| C     | + - 🤉 Filter        |    | 0,,    |       |         |         |  |
| ompor | 📕 Auto Gain Control | ^  | Layer  | Audio | Control | Compile |  |

| Button              | Command               | Summary   |
|---------------------|-----------------------|---|
| Layer Audio Control | [Layer]               | Switch between the Audio layer and Control layer.<br>Alternatively, you can do so by using the shortcut keys (Ctrl+page up).                                  |
| •                   | [Control<br>Function] | Turn this button on to emulate the configuration in the Control layer.<br>While the button is turned on, you cannot modify the configuration.                 |
| Compile             | [Compile]             | Analyzes whether there is any problem with the component placement and wiring.  |
|                     | [Device<br>Mute]      | Mutes the DME7.   |
|                     | [Tools]               | <b>[Remote Control Setup List]</b><br>Enables you to register parameters you wish to control from the remote controller.                                      |
|                     |                       | <b>[SD Card File Manager]</b><br>Enables you to register files you wish to play on the SD Card component.   |
|                     |                       | <b>[GPI]</b><br>Using the GPI ins/outs enables you to remotely control the DME from a<br>custom-made controller or external device.                           |
|                     |                       | [MIDI]<br>You can remotely control the DME via MIDI.  |
|                     |                       | [MCP1]<br>Opens the MCP1 editor that was placed on the Project sheet.   |
|                     |                       | <b>[Peak Hold]</b><br>Select "On" to hold the peak value on the meter for the component<br>placed in the sheet.<br>Select "Reset" to reset the peak hold.     |
|                     |                       | <b>[Protect User Defined Block]</b><br>Opens the "Protect User Defined Block" dialog box.<br>For details, refer to the "Protect User Defined Block."          |
|                     |                       | <b>[Layer Link]</b><br>Turn this command on to synchronize (link) the position of the audio<br>component placement between the Audio layer and Control layer. |

# 13.6. "Components" area

Components are available for the Audio layer and Control layer respectively.



For details on components, refer to the "ProVisionaire Design Component Guide" .

# 13.7. Design sheet

Here you can place components and connect them.

Parameter settings are the main operations that you can perform while online. Operations such as placing and connecting components can only be done while offline.

### 13.7.1. Placing components

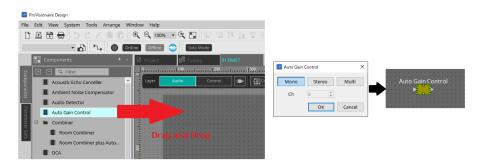
Here we explain how to place components on the design sheet.



If any component in the "Components" area is selected, pressing an alphabetical key will select the component of the matching initial letter.

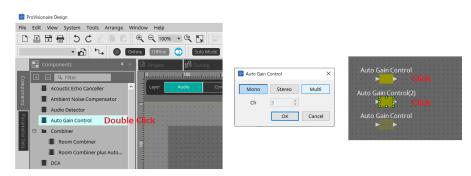
### • Placing a single component

Drag a component from the list in the "Components" area and drop it on the design sheet.



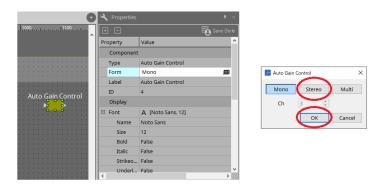
\* Placing multiple instances of the same component

Double-click on a component in the "Components" area to select Stamp mode; in this mode, the component is placed each time you click the design sheet. To cancel Stamp mode, press < Esc > or click any component in the list.



Changing the number of channels for a component you placed

In the "Properties" area, click the property Form field; then click the [...] that appears and select the desired number of channels. This cannot be changed on a component for which [...] is not shown.



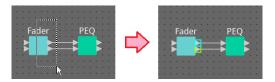
### 13.7.2. Selecting multiple components, ports, or wires

Here's how to select multiple components placed in the design sheet, or multiple wires that connect ports of components.

• Use the mouse cursor to completely enclose objects Drag the mouse cursor to select the components, component ports, wires, and text that are completely enclosed by the rectangular area in the design sheet.



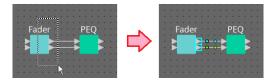
If the selection encloses an expanded User Defined Block, and the point at which you start dragging is on the style sheet, then the objects on the style sheet are selected. If the point at which you start dragging is on a User Defined Block, then objects on the User Defined Block are selected.



• Hold down < Ctrl > and use the mouse cursor to completely or partially enclose objects Hold down < Ctrl > and drag the mouse cursor to select the components, component ports, wires, and text that are completely or partially enclosed by the rectangular area in the design sheet.



If the selection encloses an expanded User Defined Block, and the point at which you start dragging is on the style sheet, then the objects on the style sheet and the User Defined Block are selected. If the point at which you start dragging is on a User Defined Block, then objects on the User Defined Block are selected.



### • Hold down < Ctrl > and click objects

Hold down < Ctrl > and click the target that you want to select.

If you hold down < Ctrl > and click an object that is already selected, the selection is cleared. This is convenient when you have selected multiple objects by enclosing them, and then want to de-select one of the selected objects.



If objects in a User Defined Block and on the style sheet are simultaneously selected, there are some limitations on operation; for example, you can't move components.

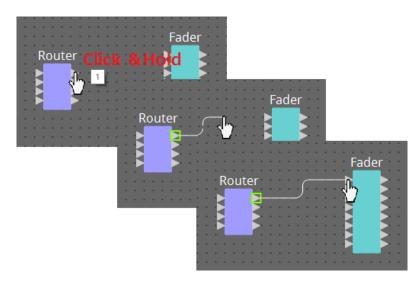
| Fader(5) | PEQ Standard SPP       |
|----------|------------------------|
|          | PEQ(2) Standard SPP(2) |
|          | PEQ(3) Standard SPP(3) |
|          | PEQ(4) Standard SPP(4) |

### 13.7.3. Connecting ports

Here we explain how to make connections between ports of components by creating a wire between the ports.

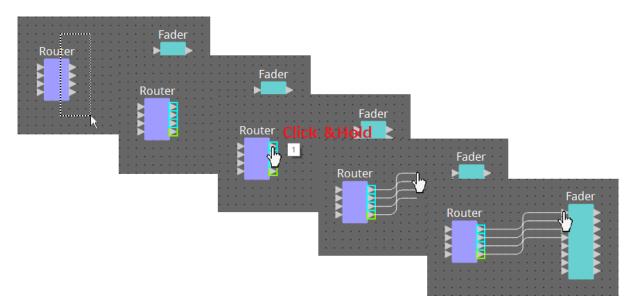
### • Making one connection at a time

Drag one output port to the input port of the destination component.



### \* Making multiple connections at a time

Select multiple output ports, and drag one of these ports to an input port of the destination component.



### 13.7.4. Tracing the signal path

Here we explain how to view the signal path.

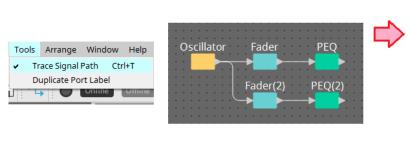
To view the signal path, click the  $\longrightarrow$  Trace Signal Path button on the toolbar or add a check mark to the [Tools] menu  $\rightarrow$  [Trace Signal Path] command.

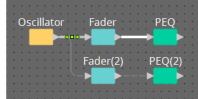
• Click a wire

The path of the signal flowing through that wire is shown.

• Click a port

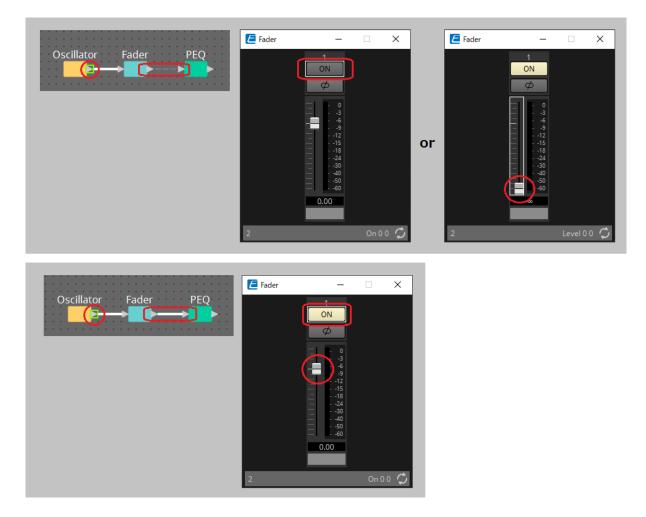
The path of the signal flowing through that port is shown.





| 0 | sc | ill | at | or |  | •  | Fa | de | r   |   |   |        | F  | ÞE | Q  |    | <br>• |
|---|----|-----|----|----|--|----|----|----|-----|---|---|--------|----|----|----|----|-------|
|   |    |     |    |    |  | Fa | ad | er | (2) | ) | • |        | PE | EC | 5( | 2) |       |
|   |    |     |    |    |  | ľ. |    | i  |     |   |   | i<br>i |    | ì  | i  |    |       |

If the signal path is connected but no audio signal flows because it is turned OFF or the level is minimized, the signal path is shown as a dashed line.



### 13.7.5. Duplicating an input port name

If you want to use the signal name as the port name, it is convenient to duplicate the port name.

Here we explain how to automatically duplicate the input port name. In general, the input port name is automatically duplicated to the input port of the connection destination component, but the following exceptions apply.

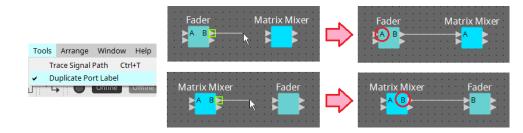
- For a mixer-type component or a component that has only an output, the output port name is duplicated to the input port of the connection-destination.
- If the duplication-source port name is blank, it is not automatically duplicated.



If the port name has already been specified, the port name is overwritten by the automatic duplication.

#### \* Automatically duplicating the port name when components are connected

If [Tools] menu  $\rightarrow$  [Duplicate Port Label] has a check mark, the port name is automatically duplicated when you make a connection between components.

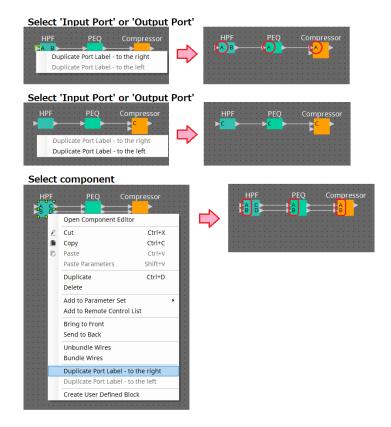


<sup>•</sup> Duplicating the port name of components along the signal path

In the context menu that appears when you right-click a port or component, choose [Duplicate Port Label - to the right] or [Duplicate Port Label - to the left]; the input port name is duplicated to the input port of the following or preceding components.

following or preceding components.

However if a mixer-type component exists within this path, duplication stops at the mixer-type component.



### 13.7.6. About [Unbundle Wires]

After you have placed all of the necessary components and have finished creating wires between them, you can

select all components and execute [Unbundle Wires] to prevent the wires from overlapping in the display. When you execute [Unbundle Wires], the items in the "Properties" area for the components and the wires connected to the components are set to the following values.

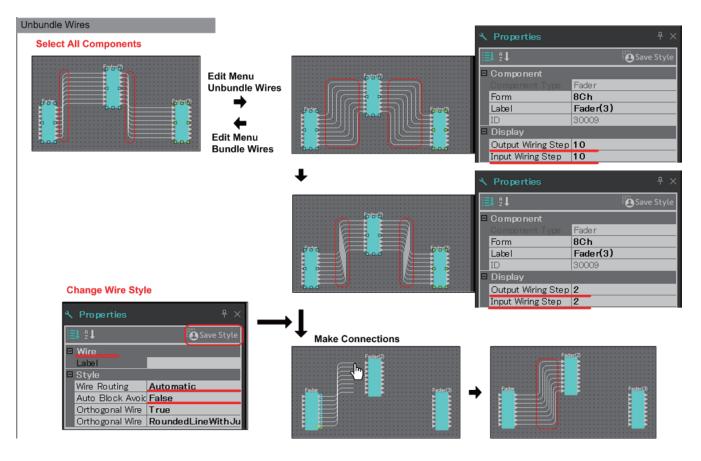
|           | Item                 | Value   |
|-----------|----------------------|---|
| Component | Output Wiring Step   | An appropriate value will automatically be displayed. |
|           | Input Wiring Step    | An appropriate value will automatically be displayed. |
| Wire      | Wire Routing         | Automatic   |
|           | Auto Block Avoidance | False   |

If you want to selectively change the spacing between the wires, perform the operation above, and then change the [Output Wiring Step] or [Input Wiring Step] values.

If you don't want wires to overlap when you're making connections, execute the following procedure.

- 1. Place all components.
- 2. Select all components, and execute [Unbundle Wires].
- 3. Make one connection between components, and select the wire.
- 4. Set the wire's [Wire Routing] to [Automatic], and set [Auto Block Avoidance] to [False].
- 5. Click the [Save Style] button to save the wire's user style to the computer.

Subsequently when you connect wires, they are shown without overlapping.

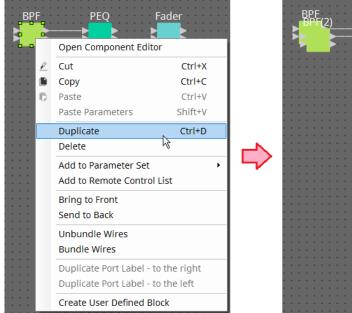


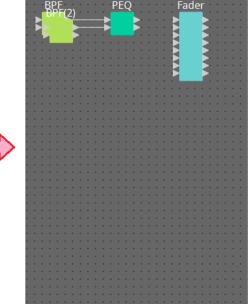
### 13.7.7. Duplicating components

Here we explain how to duplicate components together with their parameters.

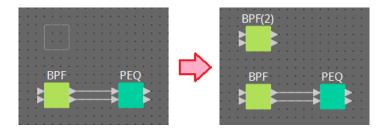
### \* Right-click a component and choose [Duplicate]

A duplicate, overlapping component is created. If multiple components with their wires are selected when you choose [Duplicate], the components are duplicated together with their wires.

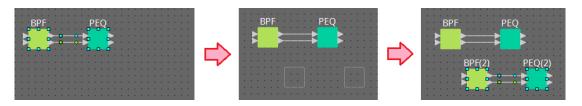




• **Drag and drop a component while holding down < Ctrl >** A duplicate is created where you drop the component.



• Drag and drop multiple components with their wires while holding down < Ctrl > Duplicates of the components together with their wires are created where you drop the component.



### 13.8. Design sheet: Audio layer

This layer enables you to place audio components to create a configuration. You can control audio signals by wiring between audio components.

### 13.8.1. Audio Component

For more information on how to use the component editor, refer to Chapter 12. For details on components, refer to the "ProVisionaire Design Component Guide".

# 13.9. Design sheet: Control layer

This layer handles control signals.

You can manipulate control signals by wiring between the control components or audio components.

Control components can be manipulated via changes in parameters or meters for the audio components. Audio

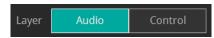
components can be manipulated via changes in parameters for the control components. You can also place snapshots in the Control layer, which can be treated as part of the configuration.

### **Control Component**

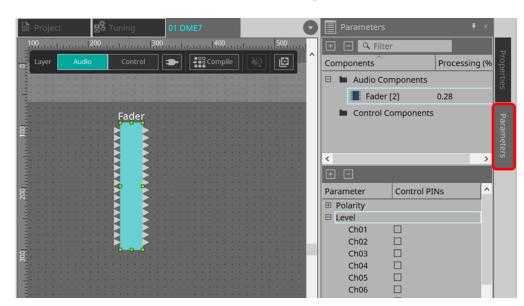
For more information on how to use the component editor, refer to Chapter 12. For details on components, refer to the "ProVisionaire Design Component Guide".

### 13.9.1. Using the audio component parameters in the Control layer

1. Select the Audio layer.



2. Select the "Parameters" area, and then select the audio component in the sheet.



In the Control PINs column, add a check mark to the check box for the desired parameters. The audio component is placed in the Control layer, too.

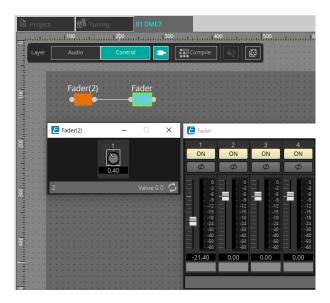
|   |     | Pro | oje  | ct |   | E       | ß | Tu | inii | ng  |     |    |    | 01  | D    | M   | 7   |    |     |      |        |   |   |   |     |    | 6 | 9      |   |      | Para | ame        | ters  |              |       |      |     |       | Ŧ    | × |            |
|---|-----|-----|------|----|---|---------|---|----|------|-----|-----|----|----|-----|------|-----|-----|----|-----|------|--------|---|---|---|-----|----|---|--------|---|------|------|------------|-------|--------------|-------|------|-----|-------|------|---|------------|
| Í | 10  | 0   | i.u. | Ьa |   | <br> 20 | 0 |    | ы    |     | ш   | ļ] | 00 | ιū  | ц    | ш   | di. | uľ | 400 | 2    | <br>Ju | ω | ш | Ŀ | 500 | 44 |   | ٦      |   | +    | Ξ    | Q          | Filte | r            |       |      |     |       |      |   | _          |
| k |     | Lay | er   |    | A |         |   |    | C    | ont | rol |    |    | •   | -    |     |     | Co | mp  | pile |        |   |   |   | e   | ٦. |   | $^{1}$ | ( | Com  | por  | nent       | s     |              |       |      | Pr  | ocess | sing | % | Properties |
| I | ŀ.  |     |      |    |   | •       |   |    | •    |     |     | •  |    |     |      |     |     |    | •   |      |        |   |   |   |     |    |   |        | E | 8    | ٦,   | Audi       | o Co  | mpo          | nen   | ts   |     |       |      |   | ertie      |
| I | Ę.  |     |      |    |   |         |   |    |      |     |     |    |    |     |      |     |     |    |     |      |        |   |   |   |     |    |   |        |   |      |      |            | ader  |              |       |      | 0.2 | 8     |      |   | ŭ          |
| I |     |     |      |    |   |         |   | Ċ  | ÷    |     |     | ÷  |    |     | ÷    |     | -   |    |     |      |        |   |   |   |     |    |   |        |   |      |      |            |       |              | oone  | nte  |     | -     |      | Ľ |            |
| I |     |     |      |    |   |         |   |    | Fa   | de  | er  |    |    |     |      |     |     |    |     |      |        |   |   |   |     |    |   |        |   |      |      | com        | IUIC  | uni          | Jone  | ints | '   |       |      |   | Par        |
| ł |     |     |      |    |   |         |   |    | È.   | 0   | å   | 2  | Le | eve | l Cł | n01 |     |    |     |      |        |   |   |   |     |    |   |        |   |      |      |            |       |              |       |      |     |       |      |   | Parameters |
| I |     |     |      |    |   |         |   |    |      |     |     |    |    |     |      |     |     |    |     |      |        |   |   |   |     |    |   |        | Ľ |      |      |            |       |              |       |      |     |       |      | ų | ters       |
| I | 31  |     |      |    |   |         |   |    |      |     |     |    |    |     |      |     |     |    |     |      |        |   |   |   |     |    |   |        | Ŀ | <    | _    | _          | _     | _            | _     | _    | _   | _     | _    | > | <i>.</i> , |
| I |     |     |      |    |   |         |   |    |      |     |     |    |    |     |      |     |     |    |     |      |        |   |   |   |     |    |   |        |   | +    |      |            |       |              |       |      |     |       |      |   |            |
|   | 8   |     |      |    |   |         |   |    |      |     |     |    |    |     |      |     |     |    |     |      |        |   |   |   |     |    |   |        | 1 | Para | me   | ter        |       | Co           | ontro | I PI | Ns  |       |      | ^ |            |
| 1 | 3   |     |      |    |   |         |   |    |      |     |     |    |    |     |      |     |     |    |     |      |        |   |   |   |     |    |   |        | 1 | ⊞ P  | olar | rity       |       |              |       |      |     |       |      |   |            |
| I | -11 |     |      |    |   |         |   |    |      |     |     |    |    |     |      |     |     |    |     |      |        |   |   |   |     |    |   |        | E | 🗆 Le | evel |            | _     |              | _     |      |     |       |      |   |            |
| I | 31  |     |      |    |   |         |   |    |      |     |     |    |    |     |      |     |     |    |     |      |        |   |   |   |     |    |   |        |   |      | C    | h01        | (     | $\checkmark$ |       |      |     |       |      |   |            |
| I |     |     |      |    |   |         |   |    |      |     |     |    |    |     |      |     |     |    |     |      |        |   |   |   |     |    | Ŀ |        |   |      |      | h02        |       |              |       |      |     |       |      |   |            |
|   | nne |     |      |    |   |         |   |    |      |     |     |    |    |     |      |     |     |    |     |      |        |   |   |   |     |    | Ľ |        |   |      |      | h03        |       |              |       |      |     |       |      |   |            |
| I |     |     |      |    |   |         |   |    |      |     |     |    |    |     |      |     |     |    |     |      |        |   |   |   |     |    |   |        |   |      |      | h04        |       | H            |       |      |     |       |      |   |            |
|   |     |     |      |    |   |         |   |    |      |     |     |    |    |     |      |     |     |    |     |      |        |   |   |   |     |    |   |        |   |      |      | h05<br>h06 |       |              |       |      |     |       |      |   |            |

If you turn off the "Layer Link" command (one of the Tools buttons), the position of the audio component placement will be asynchronized (unlinked) between the Audio layer and Control layer.

3. Place the control component in the Control layer and do the necessary wiring.

| 🗎 Proj   | ect |        | 6    | ¢.  | Tui | nir | ng |    |        |     |    | 01 | D      | м | E7 |        |    |      |   |    |   |    |     |   |    |   |    |     |   |        |    |
|----------|-----|--------|------|-----|-----|-----|----|----|--------|-----|----|----|--------|---|----|--------|----|------|---|----|---|----|-----|---|----|---|----|-----|---|--------|----|
| ليتريج   |     | <br>10 | 9    | ارد |     |     | щ  | J, | 200    |     |    | ı. | .,.    |   | а. | J3     | 00 | ), 1 |   | d. |   |    |     | 4 | 00 |   | ų, | 1,1 |   | .,.    | ub |
| Laye     |     | A      | udic |     |     |     |    | (  | Cor    | ntr | ol |    |        |   | 1  | >      |    |      | Þ |    |   | mp | ile |   |    |   |    |     |   | E      |    |
|          | * * |        | * *  |     |     |     |    |    | 4<br>4 |     | *  |    | 4<br>4 | * | *  | 4<br>4 | *  | *    | * | *  | * |    |     |   | *  | * |    | 4   | * | а<br>4 |    |
| E        |     |        |      |     |     |     |    |    |        |     |    |    |        |   |    |        |    |      |   |    |   |    |     |   |    |   |    |     |   |        |    |
| 2        |     | Fa     | ad   | er  | (2) |     |    |    |        |     | F  | ac | de     | r |    |        |    |      |   |    |   |    |     |   |    |   |    |     |   |        |    |
| <b>F</b> |     |        |      |     | ٠   |     |    |    |        | K   |    |    |        | F | 2  |        |    |      |   |    |   |    |     |   |    |   |    |     |   |        |    |
| 1.1.1    |     |        |      |     |     |     |    |    |        |     |    |    |        |   |    |        |    |      |   |    |   |    |     |   |    |   |    |     |   |        |    |
| 1.1.1    |     |        |      |     |     |     |    |    |        |     |    |    |        |   |    |        |    |      |   |    |   |    |     |   |    |   |    |     |   |        |    |

4. Turn on the [Control Function] button s and manipulate the control component parameters to simulate the operation.





You cannot edit the configuration while the [Control Function] button is turned on.

### 13.9.2. Controlling a Snapshot and ParamSet in the control component

You can control a snapshot and parameter set in the control component. For more information on the parameter set and snapshot, refer to the "Parameter Sets' area" section.

#### An example of control using the Snapshot component

1. Drag and drop a snapshot from "Snapshot" in the "Parameter Set" area to the Control layer. The Snapshot component appears in the Control layer.

| 🚔 Parameter Sets   |   | Project       | 🗗 Tuning      | 01 DME7            | 02 DME7                             |
|--|---|---------------|---------------|--------------------|-------------------------------------|
| 🛨 🖃 🔍 Filter   |   | Justiana      |               | ndaraan 1499 aan 1 | 500 60                              |
| New Add Device Delete                                    |   | Layer         | Audio Control | Comp               | oile                                |
| Duplicate Recall Settings                                |   | 1100000       |               |                    |                                     |
| Name Protect   |   |               |               |                    |                                     |
| 🗉 🦉 Param. Set [1]                                       |   | 100           |               |                    |                                     |
| •===== 02 DME7   |   |               |               |                    |                                     |
| Snapshot   |   |               |               |                    |                                     |
| Store Recall Clear                                       |   | g · · · · · · |               |                    |                                     |
| No. Name Fade Time                                       | ^ | 5             |               | napshot 001        | · · · · · · · · · · · · · · · · · · |
| 001 Snapshot 001 0:00:00.0                               |   |               | Param. Set >  | 001 Snapshot 001   |                                     |
| 002 Snapshot 002 0:00:00.0<br>003 Snapshot 003 0:00:00.0 |   |               |               |                    |                                     |

- 2. Snapshot is recalled when a signal is input to the input port.
- 3. When the snapshot is recalled, "1" is output from the output port.

#### An example of control using the ParamSet component

You can also control a snapshot using the ParamSet component. In this section, two control examples are introduced: using Snaspshot pins, and using a Sel pin.

#### [1] An example of control using Snapshot pins

1. Drag and drop the Parameter Set in the "Parameter Sets" area to the Control layer. The Param.Set component that includes multiple Snapshot components appears in the Control layer.

| Parameter Sets            | ŧ× | Project 🗗 Tuning 01 DME7 02 DME7 |
|---------------------------|----|----------------------------------|
| 🛨 🖃 🔍 Filter              |    |                                  |
| New Add Device Delete     |    | Layer Audio Control 🖚 🔐 Compile  |
| Duplicate Recall Settings |    |                                  |
| Name Protect              |    | Param. Set                       |
| E 🖉 Param. Set [1]        |    |                                  |
| 102 DME7                  |    |                                  |
|                           |    |                                  |

2. Select Parameter Set in the "Parameters" area, and then click the "+" mark next to "Snapshot" to expand the snapshot list.

|            | 0 | 1 | D | M | E7 | 7 |    |     |   |     |   |     |   |    | 01 DME7 02 DME7 |    |  |  |   |     |   |    |   |   |     |   |   |     | C  |    |     | Ρ  | Para |     |     |       |      |     |      |     |    |      |      |    |   |     |     |    |    |    |              |    |  |   |  |
|------------|---|---|---|---|----|---|----|-----|---|-----|---|-----|---|----|-----------------|----|--|--|---|-----|---|----|---|---|-----|---|---|-----|----|----|-----|----|------|-----|-----|-------|------|-----|------|-----|----|------|------|----|---|-----|-----|----|----|----|--------------|----|--|---|--|
|            | 0 | ų | Ļ | ņ | į. |   | 30 | 0   | ų | ļ   |   | .1. | ų | 40 | 0               |    |  |  |   | • 1 | Ļ | 50 | D | 1 | ıl, | ų | ų | ų   |    | Ð  |     |    |      | 0   | 21  | Filte | er   |     |      |     |    |      |      |    |   |     |     |    |    |    |              |    |  | ] |  |
| and an     |   |   |   |   |    | 1 | w  | dio |   |     |   |     |   | Co | nt              | ro |  |  |   | [   |   | •  |   |   | •   |   | C | ion | np | С  | on  | m  | pon  | nen | its |       |      | ^   |      |     |    |      |      |    | P | Pro | oce | es | si | ng | <b>) (</b> 9 | %) |  |   |  |
| didd       |   |   |   | 1 |    | F | à  | ra  | m | . s | e | 1   |   |    |                 |    |  |  |   |     |   |    |   |   |     |   |   |     |    | Ξ  | 1   | Ľ  | • 4  | Aud | dio | Со    | m    | рог | ne   | nts |    |      |      |    |   |     |     |    |    |    |              |    |  |   |  |
| 8          |   |   |   | l |    |   |    |     |   |     |   |     |   | 1  |                 |    |  |  |   |     |   |    |   |   |     |   |   |     | 1  |    |     |    | E    |     | LPI | F [1  | 1    |     |      |     |    |      |      |    | 0 | .3  | 1   |    |    |    |              |    |  |   |  |
| uhu        |   |   |   | L |    |   |    |     |   |     |   |     |   | 1  |                 |    |  |  |   |     |   |    |   |   |     |   |   |     |    | ⊟  | 1   | Ľ  |      | Con | ntr | ol C  | Cor  | mp  | on   | ent | ts |      |      |    |   |     |     |    |    |    |              |    |  |   |  |
| the second |   |   |   |   |    |   |    |     |   |     |   |     |   |    |                 |    |  |  |   |     |   |    |   |   |     |   |   |     |    |    |     |    | E    |     | Pa  | ran   | n. : | Set | t [3 | 1   | 1  |      |      |    | 0 | )   |     |    |    |    |              |    |  |   |  |
| 200        |   |   |   |   |    |   |    |     |   |     |   |     |   |    |                 |    |  |  |   |     |   |    |   |   |     |   |   |     | 1  |    |     |    |      |     |     |       |      |     |      |     | 1  |      |      |    |   |     |     |    |    |    |              |    |  |   |  |
| uhu        |   |   |   |   |    |   |    |     |   |     |   |     |   |    |                 |    |  |  |   |     |   |    |   |   |     |   |   |     | 1  | Ð  |     |    |      |     |     |       |      |     |      |     |    |      |      |    |   |     |     |    |    |    |              |    |  |   |  |
| di di      |   |   |   |   |    |   |    |     |   |     |   |     |   |    |                 |    |  |  |   |     |   |    |   |   |     |   |   |     |    | Pa | ira | a  | me   | ter |     |       |      |     |      | C   | or | ntro | l PI | Ns |   |     |     |    |    |    |              |    |  |   |  |
| 30         |   |   |   |   |    |   |    |     |   |     |   |     |   |    |                 |    |  |  |   |     |   |    |   |   |     |   |   |     | 1  | Ð  |     |    | hap  | sho | ot  |       |      |     |      | _   |    |      |      |    |   |     |     |    |    |    |              |    |  |   |  |
| tal and    |   |   |   |   |    |   |    |     |   |     |   |     |   |    |                 |    |  |  |   |     |   |    |   |   |     |   |   |     |    |    | S   | Se | 31   |     |     |       |      |     |      |     |    |      |      |    |   |     |     |    |    |    |              |    |  |   |  |
| 3          |   | 1 |   |   |    |   |    |     |   |     |   |     |   |    |                 |    |  |  | 1 | 1   |   | 1  | 1 |   | •   |   |   |     |    |    |     |    |      |     |     |       |      |     |      |     |    |      |      |    |   |     |     |    |    |    |              |    |  |   |  |

3. Add a check mark to the check box for a desired Snapshot number in the Control PINs column. Input/output ports are added to the components on the sheet. The recall method is the same as the "■ An example of control using the Snapshot component".

|          | 01 DME7 02 DME7 500 |    |   |   |    |    |    |     |   |    |   |    |   | ( | C |    |     | 6  | Pa | arai | me | ete | ers |   |   |   |   |    |     |   |   |    |    |   |            |     |     |      |      |     |    |     |      |     |    |    |      |    |   |     |    |       |    |      |      |  |
|----------|---------------------|----|---|---|----|----|----|-----|---|----|---|----|---|---|---|----|-----|----|----|------|----|-----|-----|---|---|---|---|----|-----|---|---|----|----|---|------------|-----|-----|------|------|-----|----|-----|------|-----|----|----|------|----|---|-----|----|-------|----|------|------|--|
|          | 0                   | U. | Ļ | ņ | ļ. | ļ, | ļ  | 201 | 2 | d. | Ŀ |    |   | d | Ľ | 00 | 2   | a, | ļ  | ų    |    | Ļ   | 600 | 2 | ų | Ļ | ņ | į. | , d | • |   | Ð  |    | E |            | ٩   | L F | Filt | er   |     |    |     |      |     |    |    |      |    |   |     |    |       |    |      |      |  |
| and of   |                     |    |   |   |    |    | Αι | Jd  |   |    |   |    |   |   | c | or | ıtr | ol |    |      | 3  |     | -   |   |   | • |   |    | mc  |   |   | Со | m  | p | one        | ent | ts  |      |      | ^   |    |     |      |     |    |    | Pr   | oc | e | ssi | ng | 9) (9 | 6) |      |      |  |
|          |                     |    |   | : | 1  |    |    |     |   | n. |   |    |   | ļ |   |    |     |    |    |      |    |     |     |   |   |   |   |    |     | L |   |    | l  |   | A          | ud  | io  | Co   | pm   | por | e  | nts |      |     |    |    |      |    |   |     |    |       |    |      |      |  |
| 8        |                     |    | E | 0 | 0  |    | 5n | ap  | S | ho | t | 00 | 1 | l | 1 | 8  |     |    |    |      |    |     |     |   |   |   |   |    |     | L |   |    |    |   |            | L   | .PF | F [1 | 1]   |     |    |     |      |     |    |    | 0.3  | 31 |   |     |    |       |    |      |      |  |
|          |                     |    |   | L |    |    |    |     |   |    |   |    |   |   |   |    |     |    |    |      |    |     |     |   |   |   |   |    |     | L |   |    | 1  |   | C          | on  | tre | ol ( | Cor  | npo | on | ent | s    |     |    |    |      |    |   |     |    |       |    |      |      |  |
| line.    |                     |    |   |   |    |    |    |     |   |    |   |    |   |   |   |    |     |    |    |      |    |     |     |   |   |   |   |    |     | L |   |    |    | L |            | P   | Par | rar  | n. ! | Set | [3 | ]   |      |     |    |    | 0    |    |   |     |    |       |    |      |      |  |
| 200      |                     |    |   |   |    |    |    |     |   |    |   |    |   |   |   |    |     |    |    |      |    |     |     |   |   |   |   |    |     | L |   | _  |    |   |            | _   | _   | _    | _    | _   | _  | _   | _    |     |    |    |      |    |   |     |    |       |    |      |      |  |
|          |                     |    |   |   |    |    |    |     |   |    |   |    |   |   |   |    |     |    |    |      |    |     |     |   |   |   |   |    |     | L |   | Ð  | -  |   |            |     |     |      |      |     |    |     |      |     |    |    |      |    |   |     |    |       |    |      |      |  |
| lan.     |                     |    |   |   |    |    |    |     |   |    |   |    |   |   |   |    |     |    |    |      |    |     |     |   |   |   |   |    |     | L |   | _  | _  | - | nete       | _   | _   |      |      |     |    | C   | onti | rol | PI | ٧s | <br> |    |   |     |    |       |    | <br> | <br> |  |
| 30<br>20 |                     |    |   |   |    |    |    |     |   |    |   |    |   |   |   |    |     |    |    |      |    |     |     |   |   |   |   |    |     | L |   |    | Sr |   | aps<br>001 |     | t   |      |      | Г   | _  |     |      | 1   |    |    |      |    |   |     |    |       |    |      |      |  |
| in the   |                     |    |   |   |    |    |    |     |   |    |   |    |   |   |   |    |     |    |    |      |    |     |     |   |   |   |   |    |     |   |   |    |    | ( | 002        | 2   |     |      |      | L   |    |     |      |     |    |    |      |    |   |     |    |       |    |      |      |  |
| 9        |                     |    |   |   |    |    |    |     |   |    |   |    |   |   |   |    |     |    |    |      |    |     |     |   |   |   |   |    |     | L | J |    |    |   | 003        |     |     |      |      |     |    |     |      |     |    |    |      |    |   |     |    |       |    |      |      |  |

[2] An example of control using a Sel pin

1. Select Parameter.Set in the "Parameters" area, and then add a check mark to "Sel" in the Control PINs check box, it will be added to the input port of the component on the sheet.

|        |       |                                  |           |      |       |                 | _            |                | _ |
|--------|-------|----------------------------------|-----------|------|-------|-----------------|--------------|----------------|---|
|        | 01 D  |                                  | 02 DME7   |      | Pa    |                 |              |                |   |
| اب .   | 200   |                                  | 400       |      | Ð     | - 🤉 Filter      |              |                |   |
| ulu    | Layer | Audio                            | Control : | Comp | Comp  | onents          |              | Processing (%) |   |
|        |       | Param. S                         | et        |      | 8     | Audio Componen  | ts           |                |   |
| 100    |       | 001 Snapshot 0<br>002 Snapshot 0 | 01 8      |      |       | E LPF [1]       |              | 0.31           |   |
| and an |       | 4                                |           |      |       | Control Compone | ents         |                |   |
|        |       |                                  |           |      |       | Param. Set [3]  |              | 0              |   |
| 200    |       |                                  |           |      |       |                 |              |                |   |
|        |       |                                  |           |      | ± :   |                 |              |                |   |
|        |       |                                  |           |      | Paran | neter           | Control PINs |                |   |
| 300    |       |                                  |           |      | 🖽 Sna | apshot          |              |                |   |
| line.  |       |                                  |           |      | Sel   |                 |              |                |   |
| - 34   |       |                                  |           |      |       |                 |              |                |   |

2. Enter a desired number (1 to 100) into the Sel input pin. The Snapshot component corresponding to that number is recalled. (At this time, the output pin for this component outputs "1.")

# 13.10. Components other than audio or control components

### 13.10.1. Transmitter/Receiver

This function wirelessly connects components that are located at a distance from each other on the design sheet.

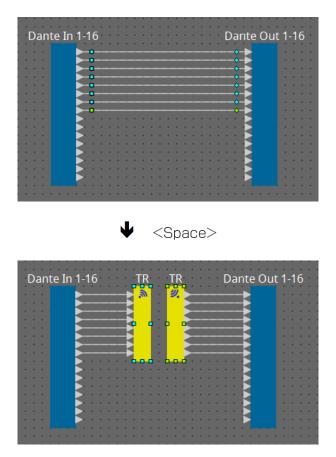
The Transmitter component and Receiver component of the same component label are connected.

If there are multiple ports, identically-numbered ports are connected to each other. One Transmitter component can be connected to multiple Receiver components.

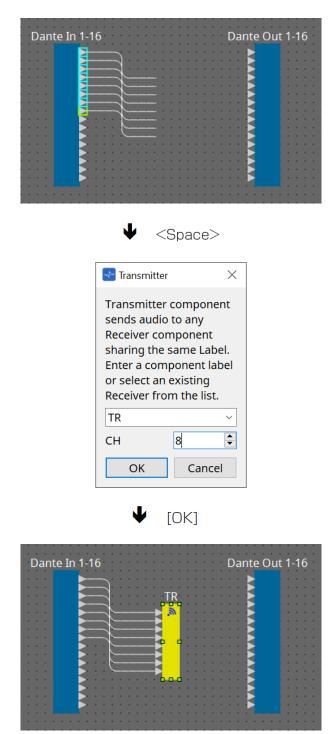
When placing this component in the design sheet, select the component label and the number of channels. Either enter a new name as the component label, or select a component label with which it will be associated. As the number of channels, select the number of channels that you want to use.



When you select a wire and press < Space >, a Transmitter component and Receiver component are added.



If you hold down the mouse button in the middle of a connection and press < Space >, a Transmitter component or Receiver component is created.



### 13.10.2. User Defined Block

Components and the wires between components can be encapsulated as a User Defined Block. By encapsulating multiple components as a single block, you can make the style sheet look cleaner, or copy blocks

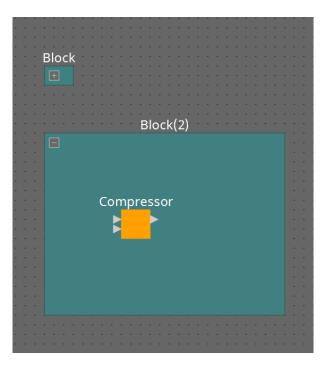
to easily create the same functionality for other channels. A protect function is provided for User Defined Block. By protecting it, you can prevent another person from changing the configuration or parameters, or prevent them from looking inside.

Here's how to place a User Defined Block.

- Drag and drop from the "Component" area. (An empty block is placed.)
- With the components selected, right-click and choose [Create User Defined Block]. (This places a block that contains the selected components.)
- With the components selected, choose [Edit] menu → [Create User Defined Block]. (This places a block that contains the selected components.)

When placing a User Defined Block, specify the number of inputs and outputs as a block. The number of inputs and outputs can be changed later in "Form" of the "Properties" area. The inputs and outputs directly connect components outside the block with components inside the block.

To show or hide the contents of a block, click the [+]/[-] in the upper left of the block, or doubleclick the block.



Components in a block can be placed, connected, and edited in the same way as in a design sheet. With a block selected, you can drag and drop the top, bottom, left, or right corners to expand or shrink the block. With an expanded block selected, you can drag and drop the top, bottom, left, or right edges to move the block on the design sheet.

Here's how to unpack a User Defined Block.

- Right-click the block and choose [Unpack User Defined Block].
- \* With the block selected, choose [Edit] menu → [Unpack User Defined Block].

There are three User Defined Block protection modes.

• Off mode

The unprotected state.

• View Only mode

A protected User Defined Block or a component editor inside the block can be opened, but the configuration and parameters cannot be changed. Components in the User Defined Block are not shown

in the "Parameters" area.

A lock icon (E) is shown at the lower left of the component editor in a protected block.

Protect mode

A protected User Defined Block cannot be opened. Components in the User Defined Block are not shown in the "Parameters" area. Use this when you want to keep the content completely concealed. A lock icon (P) is shown at the upper left of the protected block.

To apply protection, proceed as follows.

<sup>1.</sup> Select the User Defined Block that you want to protect.

If you select multiple User Defined Blocks, they will be protected in the same mode.

2. In the "Properties" area, use [Lock Mode] to specify the lock mode that you want to apply.

| 🔾 Properties    | ŧ                    | ×   |                        |
|-----------------|----------------------|-----|------------------------|
| ± E             | Save St              | yle | P                      |
| Property        | Value                | ^   | <sup>o</sup> roperties |
| User Defined Bl | ock                  |     | ertie                  |
| Form            | 0In / 0Out           |     | S                      |
| Label           | Block                |     |                        |
| Lock Mode       | View Only            |     | Dara                   |
| Display         | Off                  |     |                        |
| 🗆 Font          | View Only<br>Protect |     |                        |
| Name            | Noto Sans            |     |                        |
| Size            | 12                   |     |                        |
| Bold            | False                |     |                        |
| Italic          | False                |     |                        |
| Ctrilicoput     | Falaa                |     |                        |

- 3. As necessary, repeat steps 1 and 2 to specify the lock mode for other User Defined Blocks.
- 4. Choose [Edit] menu → [Protect User Defined Block] from the [Tools] button in the "Device" sheet. The "Protect User Defined Block" dialog box appears.

| Protect U | Jser Defined Block                     | ×   |
|-----------|--|-----|
| Protect   | t contents of locked User Defined Bloc | ks. |
| PIN Code  | Enter the PIN.                         |     |
|           | OK Cance                               |     |

Enter the PIN code and click the OK button to set the same PIN to all User Defined Blocks whose Lock Mode is "Protect".

To remove protection, proceed as follows.

 Choose [Edit] menu → [Protect User Defined Block] from the [Tools] button in the "Device" sheet. The "Unprotect User Defined Block" dialog box appears.



 Enter the PIN Code that was specified when locking, and click the [OK] button. The "Protect User Defined Block" dialog box appears.

| ➡ Unprotect User Defined Block × |    |        |  |  |
|----------------------------------|----|--------|--|--|
| PIN Code 2236                    |    |        |  |  |
|                                  | ОК | Cancel |  |  |

3. Clear the check mark from the "Protect contents of locked User Defined Blocks" check box.

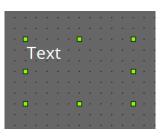
| Protect U | lser Defined Block | :            | ×            |
|-----------|--------------------|--------------|--------------|
|           | contents of loc    | ked User Det | ined Blocks. |
| PIN Code  | 2236               |              |              |
|           |                    | ОК           | Cancel       |
|           |                    | OK           | Cancel       |

## <sup>4.</sup> Click the [OK] button.

Protection is removed. The [Lock Mode] setting is maintained.

## 13.10.3. Text

This is a text box used to place text in the design sheet. You can double-click the area displayed as [Text], and enter text.



## 13.11. "Parameter Sets" area

A set of parameters stored or recalled as a snapshot is called a "parameter set." Storing a snapshot saves the current values of the parameter set members. One parameter set can store up to 100 different snapshots. A parameter can be registered in more than one parameter set.

Parameters can be registered in a parameter set in the following ways.

| Registration source   | Registration method  |
|-----------------------|--|
| Design sheet          | While holding down < Ctrl >, drag and drop a component onto a parameter set name.  |
|                       | Right-click a component, and use [Add to Parameter Set] to select the parameter set to which it will be registered.                |
| Component editor      | While holding down < Ctrl >, drag and drop a parameter onto a parameter set name.  |
| "Parameters" area*1   | Drag and drop the component or parameter onto a parameter set name.  |
|                       | Right-click the component or parameter, and use [Add to Parameter Set] to select the parameter set to which it will be registered. |
| "Parameter Sets" area | After selecting the parameter set to register, click the [Add Device] button to register all components placed at that point.      |

\*1. You can also use < Shift > or < Ctrl > to simultaneously register multiple components or parameters in a parameter set.

| ŝ  | ± -        | Q Filter          |           |                     |    |
|--|------------|-------------------|-----------|---------------------|----|
| đ  | New        | Add Device        | Delete    |                     |    |
| one  | Duplicate  | e Recall Settings | 1         |                     |    |
| nts  | Name       |                   | _         | Protect             | _  |
|  |            |                   |           |                     |    |
|  |            | Param. Set [1]    |           |                     | _  |
|  |            | PEQ [1]           |           |                     |    |
|  |            | Fader [2]         |           |                     |    |
|  |            |                   |           |                     |    |
| Components Parameter Sets Parameter Link Group |            |                   |           |                     |    |
| am.  |            |                   |           |                     |    |
| eter   |            |                   |           |                     |    |
| Ľ.   |            |                   |           |                     |    |
| k<br>و   |            |                   |           |                     |    |
|  |            |                   |           |                     |    |
| 0  | Snapsho    | ot                |           |                     |    |
|  | Store      | Recall            | Clear     |                     |    |
|  |            |                   | 1         | 4551                |    |
|  | No.        | Name              | Fade Time | AFC Image           |    |
|  | 001        | Snapshot 001      | 0:00:00.0 | AFC Image[40000]-32 | x  |
|  | 002        |                   |           |                     |    |
|  | 004        |                   |           |                     | 11 |
|  | 005        |                   |           |                     |    |
|  | 006        |                   |           |                     |    |
|  | 007        |                   |           |                     |    |
|  | 008        |                   |           |                     |    |
|  | 010        |                   |           |                     |    |
|  | 011        |                   |           |                     |    |
|  | 012        |                   |           |                     |    |
|  | 013        |                   |           |                     |    |
|  | 014        |                   |           |                     |    |
|  | 015<br>016 |                   |           |                     |    |
|  | 018        |                   |           |                     |    |
|  | 018        |                   |           |                     |    |
|  | 019        |                   |           |                     |    |
|  | 020        |                   |           |                     |    |
|  | Recall     |                   |           |                     |    |
|  | Power      | On Default        |           |                     |    |
|  | Emerg      | jency Recall      |           |                     |    |
|  | Related    | Features          |           |                     |    |
|  | Control    | Panel Recall      |           |                     |    |

## 13.11.1. Parameter Sets

| Parame    | eter Sets         | .≢ × |  |
|-----------|-------------------|------|--|
| + - 9     | Filter            |      |  |
| New       | Add Device Delete |      |  |
| Duplicate | Recall Settings   |      |  |
| Name      | Protect           |      |  |
| 🖽 🍺 Para  | am. Set 📔         |      |  |
| 🏉 Para    | am. Set 📔         |      |  |
|           |                   |      |  |
|           |                   |      |  |
|           |                   |      |  |

### • [New] button

Creates a new parameter set.

### • [Add Device] button

Registers an individual device to the parameter set.

#### • [Delete] button

Deletes the selected parameter set, DME, component, or parameter.



If you changed the members that were registered to a parameter set, you must overwrite and save the snapshots again.

#### • [Duplicate] button

Duplicates the selected parameter set. If you want to duplicate the snapshots as well, add a check mark to [Duplicate Snapshots Also] in the "Duplicate" dialog box that appears.

#### \* [Recall Settings] button

To start or stop file playback via the GPI Out or SD card along with the snapshots, use the "Recall Settings" dialog box to set up.

#### ' Parameter set name

Shows the name of the parameter set. You can double-click the parameter set name and edit it.



A number displayed next to the parameter set name is the parameter set ID. You can specify

this ID when you recall a snapshot via the remote protocol command. To modify the ID, right-click the parameter set name to display the context menu, and then select [Change ID].



If any parameter set in the "Parameter Sets" area is selected, pressing an alphabetical key will select the parameter set of the matching initial letter.

## • Protect

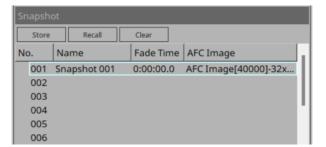
If Protect is turned on, you will be unable to change the parameter set or store snapshots.

Click here repeatedly to turn Protect on  $(\Box)$  or off  $(\Box)$ .

Right-click the parameter set name to open the context menu.

| Name               | Protect  |        |
|--------------------|----------|--------|
| 🗉 📕 Param. Set [1] | <b>a</b> | 100    |
| Fader [2] (Co.     | Find     | Ctrl+F |
|                    | Delete   | Del    |
|                    | Change I | D      |
| -                  |          | 9      |

## 13.11.2. Snapshot



## [Store] button

Stores (saves) a snapshot.

- [Recall] button Recalls a snapshot.
- [Clear] button Deletes a snapshot.

#### ' [Fade Time] field

This shows the time (Fade Time) that is taken to change the level of fader components or the send level of Matrix components that are registered in the parameter set. Doubleclick this to open the "Fade Time" dialog box. In the dialog box that appears, specify the time over which the change will happen. You can specify up to three hours.

#### • [AFC Image]field

This shows the AFC Image components and scene numbers specified in the "Select AFC Image Scene" dialog box. When you recall a snapshot, the scene of the specified AFC Image component will also be recalled.



AFC Image components cannot be registered in a Parameter Set.

Double-click the [AFC Image] field to open the "Select AFC Image Scene" dialog box.

| AFC Image Component       | Scene No. |     |
|---------------------------|-----------|-----|
| AFC Image[40000]-32x16    | 1         | . 0 |
| AFC Image(2)[41000]-64x32 | 1         | . 0 |

#### • AFC Component

AFC Image components already placed will be displayed.

If the checkbox is selected, the scene of the AFC Image component will be recalled at the same time as the snapshot.

#### • Scene No.

Specify the scene number of the AFC Image component to be recalled.



To create a scene of an AFC Image component, use the AFC Image Controller. For details about AFC Image components and the AFC Image Controller, refer to the AFC Image Controller User Guide.

## 13.11.3. Recall

### • Power On Default

You can specify whether a snapshot will be recalled when you turn on the power to the unit. Press the [Set] button in the "Power On Default" dialog box if you want the currently-selected snapshot to be recalled.

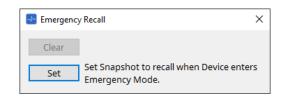
If the snapshot is not assigned to be recalled, the unit will start up using the latest setting obtained immediately before the power was turned off. To cancel the assignment, select [Clear] in the "Power on Default" dialog.

| 📑 Power On Default |                                       |  |
|--------------------|---------------------------------------|--|
| Clear              |                                       |  |
| Set                | Select Snapshot to recall on boot up. |  |

#### Emergency Recall

You can specify whether a snapshot will be recalled if the DME receives an EMG (Emergency) signal from an external device, or if the input voltage to the [GPI IN] connector (IN 16) (which supports +24V) falls below 2.5V.

Refer to the "Power On Default" dialog box section for information on how to set or clear the assignment.



## 13.11.4. Related Features

#### Control Panel Recall

Register the snapshot that will be recalled on the device control panel.

- Click the > button to register it.
- Click the *solution* to delete a snapshot from the registration list.

Click the << button to delete all snapshots from the registration list.

| E Control Panel Recall                                  |              |                     |    | ×      |
|---|--------------|---------------------|----|--------|
| Parameter Sets / Snapshots                              |              | Snapshots on Device |    |        |
| □ Param. Set[1]<br>001 Snapshot 001<br>003 Snapshot 003 | ><br><<br><< |                     |    | 1      |
|   | -            | [                   | ОК | Cancel |

Use the up and down arrow buttons to change the order of the snapshots displayed on the device panel.

## 13.11.5. "Recall Settings" dialog box

| 77 | Settings: Para | meter Set |          |          |          |          |          | >        | × |
|----|----------------|-----------|----------|----------|----------|----------|----------|----------|---|
|    | GPI Out        |           |          |          |          |          |          |          |   |
|    | 1              | 2         | 3        | 4        | 5        | 6        | 7        | 8        |   |
|    | Active         | Active    | Active   | Active   | Active   | Active   | Active   | Active   |   |
|    | Inactive       | Inactive  | Inactive | Inactive | Inactive | Inactive | Inactive | Inactive |   |
|    | Ignore         | Ignore    | Ignore   | Ignore   | Ignore   | Ignore   | Ignore   | Ignore   |   |
|    | SD Song _Sele  | ect Play  |          |          |          |          |          |          |   |
|    | O No Assign    | n         |          |          |          |          |          |          |   |
|    | • Pause        |           |          |          |          |          |          |          |   |
|    | 🔘 Play         |           |          |          |          |          |          |          |   |
|    | 001 [No As     | ssign]    |          |          | *        |          |          |          |   |
|    |                |           |          |          |          |          | ОК       | Cancel   | Ī |
|    |                |           |          |          |          |          |          |          |   |

### ' GPI Out

Here you can specify the GPI OUT settings that will be output when the snapshot is recalled.

You can use GPI OUT output to control a device that's connected to this unit's [GPI OUT] connector.

### [Active]/[Inactive]/[Ignore] buttons

Specify whether the GPI OUT connector's output will be enabled (Active), enabled with the OUTPUT TYPE inverted (Inactive), or ignored (Ignore).

If the [OUTPUT TYPE] in the GPI Output dialog box setting is set to [Pulse] or [Pulse Inv.], the only available choices will be [Active] and [Ignore].

• If [Active] is specified

When [OUTPUT TYPE] is [Closed], the [GPI OUT] pin will be closed (connected to ground).

When [OUTPUT TYPE] is [Open], the [GPI OUT] pin will be open.

When [OUTPUT TYPE] is [Pulse], the [GPI OUT] pin will be closed (connected to ground) for approximately 250 ms.

When [OUTPUT TYPE] is [Pulse Inv.], the [GPI OUT] pin will be open for approximately 250 ms.

• If [Inactive] is specified

When [OUTPUT TYPE] is [ Closed], the [GPI OUT] pin will be open. When [OUTPUT TYPE] is [ Open], the [GPI OUT] pin will be closed (connected to ground).

• If [Ignore] is specified

There will be no change in the output. Use this setting if a different function is assigned to GPI OUT and you don't want that function to be affected by snapshot recall.

- SD Song Play
  - Pause

Stops playing the file immediately when a snapshot is recalled.

∘ Play

Plays the specified file immediately when a snapshot is recalled. You can play files that are stored on the SD card specified in the "SD Card File Manager" dialog box.

## 13.12. Parameter Link Group Area

Creates a parameter link group to link multiple parameters for Level-type or for ON/OFF-type. A single parameter can be registered in multiple parameter link groups. The created parameter link group can be used in Snapshot, Scheduler, GPI, DCP, MCP1, or the Remote Control Setup List. Level-type and ON/OFF-type cannot be mixed in a single parameter link group. Up to 64 parameter link groups can be created.

The following methods are available for registering to a parameter link group.

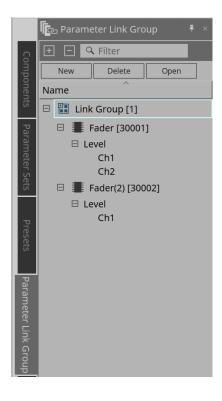
### [Parameter]

| Registration Source | Registration Method   |
|---------------------|---|
| Component Editor    | While holding the <ctrl> key down, drag &amp; drop the parameter into the parameter link group in the Parameter Link Group area.</ctrl> |
|                     | Right-click the parameter and select the parameter link group to register in [Add to Parameter Link Group].                             |
| Parameters Area*1   | Drag & drop the parameter into the parameter link group in the Parameter Link Group area.   |
|                     | Right-click the parameter and select the parameter link group to register in [Add to Parameter Link Group].                             |

\*1. Multiple parameters can be registered to a parameter link group simultaneously by pressing < Shift > and < Ctrl > together.



Pressing any letter key while selecting a parameter link group or other item in the Parameter Link Group area will select the parameter link group or other item with the matching first letter.



## • [New] Button

Creates a parameter link group.

' [Delete] Button

Deletes the selected parameter link group or parameter.

- ' [Open] Button
  - Displays the Link Control editor for the selected parameter link group.

## 13.12.1. Link Control Editor

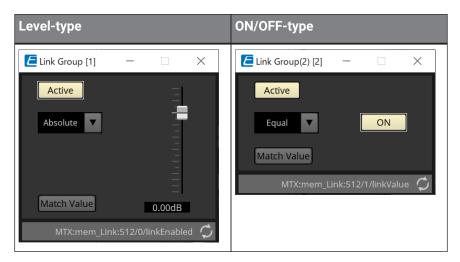
There is a link control for each parameter link group. When a link control is changed, the parameters registered in the parameter link group are also changed at the same time.

Even if the parameters registered in the parameter link group are changed, the link control parameters do not

#### change.

Link control can be assigned to GPI/DCP/Remote Control Setup List/Parameter Link Group/MCP1.

The name of the parameter link group is displayed in the title bar.



### \* Fader (level-type only)

Sets values for level-type parameters.

## • [ON] Button (ON/OFF-type only)

Sets values for on/off-type parameters.

## ' [Match Values] Button

If [Absolute] or [Equal] is selected in the combo box, the value of the registered parameter will be the same as the value of the link control.

### • [Active] Button

If this is on, the parameter link group is enabled. Turn this off if you want to temporarily disable the link.

#### · Combo Box

Set how the level-type and ON/OFF-type settings are applied.

| <br>Sets the value of the registered parameter to the same value as the link control.                              |
|--|
| When you operate the link control, the registered parameters will move while maintaining their relative positions. |

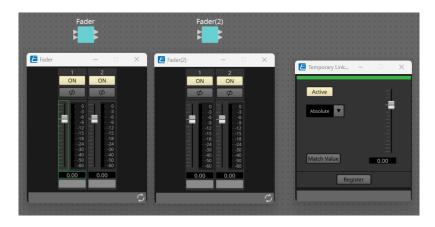
## 13.13. Temporary Link Group

This group allows you to temporarily use the same functionality as Parameter Link Group without creating it. Use this group when you want to temporarily link parameters without creating a Parameter Link Group.

## Procedure

1. While holding down the < Ctrl > and < Shift > keys, click a parameter in the component editor to select it. The selected parameter will be framed in green.

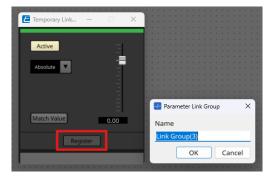
When you click the first parameter, the Temporary Link Group editor will be displayed.



2. While holding down the <Ctrl> and <Shift> keys, click another parameter to select it. You can also select parameters across multiple component editors.



- 3. The Temporary Link Group editor allows you to perform link operations similar to those for the Parameter Link Group.
- 4. You can also click the Register button to officially register the selected parameter to the Parameter Link Group.



5. When the Temporary Link Group editor is closed, the parameters will be deselected and the link state will be terminated.

## 13.14. "Properties" area

In this area you can edit setting for the currently-selected component or wire.

| ± =              |                           | Save Sty |
|------------------|---------------------------|----------|
| Property         | Value                     |          |
| Component        |                           |          |
| Туре             | Ambient Noise Compensator |          |
| Form             | Mono                      |          |
| Label            | Ambient Noise Compensator |          |
| ID               | 2                         |          |
| Display          |                           |          |
| 🗆 Font           | A [Noto Sans, 12]         |          |
| Name             | Noto Sans                 |          |
| Size             | 12                        |          |
| Bold             | False                     |          |
| Italic           | False                     |          |
| Strikeout        | False                     |          |
| Underline        | False                     |          |
| Font Color       | 255, 255, 255, 255        |          |
| Background Color | 255, 194, 147, 210        |          |
| Foreground Color | 255, 194, 147, 210        |          |
| Border Color     | 255, 194, 147, 210        |          |
| Brush Style      | SimpleGradientVertical    |          |
| Location         | 744, 168                  |          |
| Х                | 744                       |          |

## \* Component

Click the Value field in the "Component"/"Form" to make the magnetic appear, a dialog for changing the number of channels of the component, etc. will be displayed.

This cannot be changed on a component for which 🛄 is not shown.

| Ambient Noise Compensator X |        |        |
|-----------------------------|--------|--------|
| Mono                        | Stereo | Multi  |
| Ch                          | 3      |        |
|                             | ОК     | Cancel |

#### • Port

If you click on the **m** that appears when you click on the "Label" Value, the Port Label dialog box will be displayed, allowing the labels of all ports of the component to be edited at once.

## · Access PIN

This setting item relates to the AFC Image components.

It prevents unexpected setting changes by the AFC Image Controller. After you set a PIN, you will be prompted to enter it when the AFC Image Controller accesses the AFC Image component.

When this item is changed from Off to On, the "Access PIN" dialog box will appear, allowing you to set a PIN.

The PIN is a four-digit number in combination of 0 to 9. When this item is set to Off, the PIN is deleted.

| A Properties               | ŧ                             | ×          |
|----------------------------|-------------------------------|------------|
| ± E                        | Save St                       |            |
| Property                   | Value                         | Properties |
| Component                  |                               | Intie      |
| Туре                       | AFC Image                     | N N        |
| Form                       | 32In / 16Out                  |            |
| Label                      | AFC Image                     | Parameters |
| ID                         | 40000                         | met        |
| Access PIN                 | On                            | . ers      |
| Display                    | 🗧 Access PIN 🛛 🗙              |            |
| Font Name Size Bold Italic | PIN Code<br>0123<br>OK Cancel |            |

## 13.15. "Parameters" area

This area displays information about the component that is currently selected in the Design sheet (Audio layer or Control).

The upper part of this area indicates the signal processing capacity of each component as a percentage.

The lower part of this area lists the parameters for the component currently selected in the upper part. If you add a check mark to the check box in the Control PINs column, you will be able to control the corresponding parameter in the Control layer.

From this area, you can assign components and parameters to a parameter set, Remote Control Setup List, GPI dialog box, MIDI dialog box, and DCP component. For more information on how to assign them, refer to the section for the corresponding dialog box or screen.

| Parameters             | ∓ ×            |            |
|------------------------|----------------|------------|
| 🛨 🖃 🔍 Filter           |                | ס          |
| Components             | Processing (%) | Properties |
| 🗆 🖿 Audio Components   |                | rties      |
| Dante In 1-16 [60001]  | 0              |            |
| Dante Out 1-16 [60101] | 0.33           | Pa         |
| Fader [2]              | 0.17           | Parameters |
| Control Components     |                | ters       |
| <                      | >              |            |
| ± E                    |                |            |
| Parameter              | Control PINs   |            |
| 🖽 Polarity             |                |            |
| Level                  |                |            |
| Ch1                    |                |            |
| Ch2                    |                |            |
| Ch3                    |                |            |
| Ch4                    |                |            |
| ⊞ On                   |                |            |
| <                      | >              |            |

#### • Components

Lists the components currently selected in the sheet.

#### • Processing

Indicates the resources to be processed as a percentage.

## Parameters

Lists the parameters for the component currently selected in the upper part.

#### • Control PINs

If you add a check mark to the check box in this column, you will be able to control the

corresponding parameter in the Control layer.

Immediately after you add a check mark, the corresponding audio component will be placed in the Control layer.

## 13.16. Context Menu

The following describes the contents of the context menus that are displayed when you right-click each area.

## 13.16.1. Design sheet

The following context menu appears when you right-click a design sheet that contains no objects.

| Menu                       | Content  |
|----------------------------|--|
| [Paste]                    | Pastes the copied component in the "Design" sheet.   |
| [Select All]               | Selects all components and wires in the design sheet.  |
| [Close All Editor Windows] | Closes all component editor and parameter setting windows.   |
| [Snap to Grid]             | If this is checked, objects are aligned with the grid of the design sheet.   |
| [Layer Link]               | Enable this command to synchronize (link) the position of the audio component placement between the Audio layer and Control layer. |

## 13.16.2. Components

When you right-click a component, the following context menu appears (not all items are shown for all components).

| Menu                         | Content  |
|------------------------------|--|
| [Open Component Editor]      | Opens the component editor.  |
| [Cut]                        | Moves the selected item to the copy buffer.  |
| [Сору]                       | Copies the component, including the parameter settings of the component editor.  |
| [Paste]                      | Paste the copied component onto the design sheet.  |
| [Paste Parameters]           | Duplicates the copied component, including the parameter settings of the component editor.                                   |
| [Duplicate]                  | Duplicates the copied component, including the parameter settings of the component editor.                                   |
| [Delete]                     | Deletes the component.   |
| [Add to Parameter Set]       | Registers the component to the parameter set.  |
| [Add to Remote Control List] | Registers all of the component's parameters or the component's meters  |
|                              | in the Remote Control Setup List.<br>If multiple components are registered simultaneously, they are registered<br>as meters. |
| [Bring to Front]             | Moves the component display to the foreground.   |
| [Send to Back]               | Moves the component display to the background.   |
| [Unbundle Wires]             | Displays the wires connected to the selected component or User Defined<br>Block spaced apart at equal intervals.             |
| [Bundle Wires]               | Displays the wires connected to the selected component or User Defined<br>Block overlaid together.                           |

| Menu                                  | Content   |
|---------------------------------------|---|
| [Duplicate Port Label - to the right] | Duplicates the input port name of the selected component to the input ports of the downstream components along the signal path. |
| [Duplicate Port Label - to the left]  | Duplicates the input port name of the selected component to the input ports of the upstream components along the signal path.   |
| [Create User Defined Block]           | Encapsulates the selected components as a User Defined Block.   |

## 13.16.3. Component Ports

| Menu                                  | Content  |
|---------------------------------------|--|
| [Duplicate Port Label - to the right] | Duplicates the port name of the input port corresponding to the selected<br>input or output port to the input ports of the downstream components<br>along the signal path. |
| [Duplicate Port Label - to the left]  | Duplicates the port name of the input port corresponding to the selected<br>input or output port to the input ports of the upstream components along<br>the signal path.   |

## 13.16.4. Component editor / Parameter setting window

When you right-click a component editor or a parameter setting window, the following context menu appears.

| Menu   | Content   |
|--|---|
| [Register as default values]                 | Register the component's current parameter values in a style as the<br>default values. New components will be placed with the registered default<br>values.<br>The registered default values can be imported/exported as a style file.  |
| [Reset default values to Factory<br>Default] | Returns the default value of the component to the values immediately after ProVisionaire Design was installed.  |
| [Сору]                                       | Copies the component, including the parameter settings of the component editor.   |
| [Paste Parameters]                           | Content If you select an existing component of the same type and execute this, the copied parameters of the component are applied.  |
| [Add to Parameter Set]                       | If you execute this on a parameter, the parameter is registered in the parameter set.<br>If you execute this elsewhere than on a parameter, the component is registered in the parameter set.   |
| [Add to Remote Control List]                 | If you execute this on a parameter, the parameter is registered in the<br>Remote Control Setup List.<br>If you execute this elsewhere than on a parameter, all of the component's<br>parameters or the component's meters are registered in the Remote<br>Control Setup List. |

## 13.16.5. Wire

Right-click an item to open the subsequent context menu.

| Menu                                     | Content  |
|--|--|
| [Delete]                                 | Deletes the wire.  |
| [Bring to Front]                         | Moves the selected wire to the front.                          |
| [Send to Back]                           | Moves the selected wire to the back.                           |
| [Add to Transmitter & Receiver<br>Space] | Connect wires to the Transmitter and Receiver components.      |
| [Insert Node]                            | Add nodes to the wire. * A node is a dividing point of a wire. |
| [Remove Segment]                         | Removes wires between nodes.                                   |

## 13.16.6. "Parameter Sets" area

Right-click an item to open the subsequent context menu.

| Menu        | Content  |
|-------------|--|
| [Find]      | Searches the "Device" sheet for a component or its parameter.  |
| [Delete]    | Deletes the parameter set. Settings in a lower level are also deleted.   |
| [Change ID] | Enables you to change the parameter set ID. The number displayed next<br>to the parameter set name is the parameter set ID.<br>You need to use this ID when you recall a snapshot via the SCP protocol<br>command. |

## 13.16.7. "Parameters" area

The following context menu appears when you right-click a parameter.

| Menu                         | Content   |
|------------------------------|---|
| [Find]                       | If you execute this for a component, the corresponding component in the design sheet is selected.<br>If you execute this for a parameter, the component editor that includes the corresponding parameter will open with that parameter selected.  |
| [Add to Parameter Set]       | If you execute this on a parameter, the parameter is registered in the<br>parameter set.<br>If you execute this on a component, the component is registered in the<br>parameter set.  |
| [Add to Remote Control List] | If you execute this on a parameter, the parameter is registered in the<br>Remote Control Setup List.<br>If you execute this elsewhere than on a parameter, all of the component's<br>parameters or the component's meters are registered in the Remote<br>Control Setup List.<br>If you try to register a component, a dialog box will appear to enable you<br>to select the registration method. |

If you try to add a component to the Remote Control Setup List, the following dialog box will appear.

| 📑 Remote Control Setup List    | ×   |
|--------------------------------|---|
| Assign whole component to list | please choose from the following options.               |
| All Parameters                 | adds each individual component parameter                |
| Parameter Type (define range)  | adds each component parameter type as a definable range |
| Metering only                  | adds component metering                                 |
|                                | OK Cancel   |

## \* [All Parameters] button

Enables you to register all of the component's parameters.

• [Parameter Type (define range)] button Enables you to register the component's parameters by type.

# • [Metering only] button

Enables you to register the component's meters by type.

## 13.17. Dialog box

## 13.17.1. "Compile" dialog box

To open this dialog box, click the [Compile] tool button in the "Device" sheet.

Analyzes the placement and wiring of the components in the DME system to determine whether there are any problems. Here you can also view statistics such as the resource usage.

| Comp                    | ile Successful.  |                   |                 |          |  |
|-------------------------|------------------|-------------------|-----------------|----------|--|
| Device Informat         | tion             |                   | Capacity Inform | ation    |  |
| Unit ID                 | 01               |                   | Virtual Device  | 64       |  |
| Model                   | DME7             |                   | Actual Device   |          |  |
| Device Name             | DME7             |                   |                 |          |  |
| Result                  |                  |                   | Infomation      |          |  |
| Total Signal Processing |                  | 6%                |                 |          |  |
| Processing              |                  | 7%                |                 |          |  |
| Memory Usage            | 2                | ОК                |                 |          |  |
| Latency                 |                  | 1.00ms            |                 |          |  |
| License                 |                  | ОК                |                 |          |  |
|                         |                  |                   |                 |          |  |
| Component un            | available due to | o missing license | Required Licens | e        |  |
| Components              | License          |                   | Required Licens | Quantity |  |
|                         |                  |                   |                 |          |  |
|                         |                  |                   |                 |          |  |

## ' 🚺 /Message

Indicates whether compilation was successful or failed. If it was successful, the message "Compile Successful." will appear. If it failed, the message "Failed to Compile." will appear.

#### ' 🕐 button

Click here to view the troubleshooting method.

• [Device Information]

This area displays information about the device.

• Device list

#### Unit ID / Model / Device Name

These rows indicate the device Unit ID, device model name, and device name. To change the device name, use the [Device Name] field in the "Properties" area of the "Project" sheet.

- [Capacity Information]
  - Virtual Device

The number of inputs and outputs for the Matrix Mixer components or others, as set in the Properties area > Capacity of the device.

• Actual Device

The actual capacity of the device discovered by ProVisionaire Design. When this is displayed, compilation will be based on this information.

## [Result]

This area displays the result of compilation. The DME can come online only when compilation is successful.

### Total Signal Processing

Indicates the usage rate of all the signal processing units in the device.

(Supplemental information) The device processes signals using its multiple signal processing units.

The "Total Signal Processing" row indicates the percentage of actual capacity being used (usage rate) based on the aggregated maximum signal processing capacity of all signal processing units as 100%.

#### • Processing

Indicates the maximum usage rate of each signal processing unit in the device. The longer the signal path becomes, or the higher the number of inputs and outputs the component features, the higher the usage rate might become.

### • Memory Usage

If the device's memory usage exceeds the amount of allowable memory, this field will indicate "NG."

### • Latency

Indicates the latency of audio signals passing from the Dante input to the Dante output on the DME unit.

(Supplementary information) Indicates the maximum latency on the signal path. Latency that occurs inside the component is not taken into consideration.

#### • License

Latency that occurs inside the component is not taken into consideration.

Indicates that there are too many or too few Device Licenses.

If this field indicates "NG," you might be able to resolve the issue by purchasing additional licenses. For more information, refer to the description in the "Required License" area.

## • [Information]

This area displays detailed information on the compilation.

## ' [Component unavailable due to missing license]

This area displays the names of components that are not working, and the required license for the component.

#### • [Required License]

This area displays the title and the number of required licenses.

## • [Close] button

Closes the dialog box.

The following is an example of what is displayed if compiling fails.

| Compile          |                         |                |                 |            |
|------------------|-------------------------|----------------|-----------------|------------|
| Failed           | to Compile.             |                | Capacity Inform | ?          |
| Unit ID          | 01                      |                | Virtual Device  | 256        |
| Model            | DME7                    |                | Actual Device   | 256        |
| Device Name      | DME7                    |                |                 |            |
| Result           |                         |                | Infomation      |            |
| Total Signal Pro | Total Signal Processing |                |                 |            |
| Processing       |                         | 223%           |                 |            |
| Memory Usage     | :                       | ОК             |                 |            |
| Latency          |                         | 1.00ms         |                 |            |
| License          |                         | Shortage       |                 |            |
|                  |                         |                |                 |            |
| Component una    | available due to m      | issing license | Required Licens | e          |
| Components       | License                 |                | Required Licen  | s Quantity |
|                  |                         |                |                 |            |
|                  |                         |                |                 |            |
|                  |                         |                |                 | Close      |

## 13.17.2. "Remote Control Setup List" dialog box

To open this dialog box, click [Remote Control Setup List] from the [Tools] button in the "Device" sheet. To control or monitor the DME using the SCP or YOSC communication protocol, you must register the parameters or meters to the Remote Control Setup List.



For more information on communication protocols, refer to the "DME7 Remote Control Protocol Specifications" or "DME7 OSC Specifications" that are posted on the Yamaha Pro Audio website.

| 🕂 Rem | ote Control Se | tup List   |     |     |     |     |      |                        |        |           | $\times$ |
|-------|----------------|--|-----|-----|-----|-----|------|------------------------|--------|-----------|----------|
|       |                |  |     |     |     |     |      |                        | K (1   |           | =        |
| No.   | Function       | <ctrl>+drag-and-drop component/parameter/meter.</ctrl> | х   | Y   | Min | Max | Туре | Cmp ID                 |        |           | ^        |
| 1     |                |  |     |     |     |     |      |                        |        |           |          |
| 2     |                |  |     |     |     |     |      |                        |        |           |          |
| 3     |                |  |     |     |     |     |      |                        |        |           |          |
| 4     |                |  |     |     |     |     |      |                        |        |           |          |
| 5     |                |  |     |     |     |     |      |                        |        |           |          |
| 6     |                |  |     |     |     |     |      |                        |        |           |          |
| 7     |                |  |     |     |     |     |      |                        |        |           |          |
| 8     |                |  |     |     |     |     |      |                        |        |           |          |
| 9     |                |  |     |     |     |     |      |                        |        |           |          |
| 10    |                |  |     |     |     |     |      |                        |        |           |          |
| 11    |                |  |     |     |     |     |      |                        |        |           |          |
| 12    |                |  |     |     |     |     |      |                        |        |           |          |
| 12    |                |  | 1   |     |     |     |      |                        |        |           | ~        |
| Clea  | ar Clea        | ar All Export  | Sea | rch |     |     |      | String Display Numeric |        |           |          |
|       |                |  |     |     |     |     |      |                        | OK Can | cel Apply | y        |

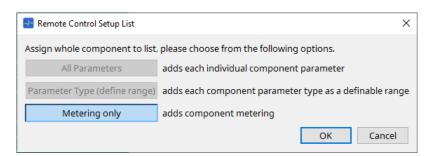
Registering parameters or meters to the list

You can register parameters or meters to the lists using one of the following methods:

| Registration source                           | Registration method   |
|---|---|
| Design sheet                                  | While pressing and holding down < Ctrl >, drag and drop a component to the list.  |
|   | Right-click a component, and then select [Add to Remote Control List].  |
| Component editor/<br>Parameter setting window | 【Parameter】<br>While pressing and holding down < Ctrl >, drag and drop a<br>parameter to the list.<br>Right-click a parameter, and then select [Add to Remote Control<br>List]. |
|   | 【Component】<br>Right-click anywhere other than a parameter, and then select [Add<br>to Remote Control List].  |
| "Parameters" area*1                           | Drag and drop a component or parameter to the list.<br>Right-click a component or parameter, and then select [Add to<br>Remote Control List].                                   |

\*1. You can also use < Shift > or < Ctrl > to simultaneously register multiple parameters in a list.

• If you add a component to the list, the following dialog box will appear.



#### • [All Parameters] button

Enables you to register all of the component's parameters.

#### • [Parameter Type (define range)] button

Enables you to register the component's parameters by type.

Indicate the X value and Y value (such as channels) for the registered parameter.

Use the external controller to specify channels for "any." For more information, refer to the "DME7 Remote Control Protocol Specifications."

#### [Metering only] button

Enables you to register the component's meters by type.

#### • [Function]

Shows the type of item that is registered in the list.

• [< Ctrl >+drag-and-drop component/parameter/meter.] Shows the item that is registered in the list.

#### • [X]/[Y]

Indicate the X value and Y value (such as channels) for the registered parameter.

You can change the channels after the parameter is registered.

For an adjustable parameter, clicking this column opens a dialog box that enables you to modify the range.

| 0 |       |   | any |
|---|-------|---|-----|
|   |       |   |     |
|   | Value | 2 |     |

If you select "any," you will be able to specify the value via the controller.

By specifying channels via the controller, you can reduce the number of parameters to be registered in the list. For more information, refer to the "DME7 Remote Control Protocol Specifications."

#### • [Min]/[Max]

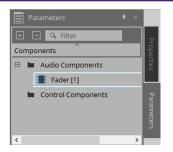
Enable you to specify the range of parameters that can be manipulated from the controller. In the case of level-type parameters for which a Min/Max value can be specified, clicking this will open a dialog box where you can specify the range.

#### • [Type]

Shows the type of component that has the parameter registered in the list.

#### · [Cmp ID]

Indicates the component ID. This ID appears at the end of the component name in the "Parameters" area.



## k k 1 b button

Enable you to navigate pages back and forth.

## $\cdot$ Menu options that appear when you click the [ $\equiv$ ] menu or right-click in the dialog box

 $\circ$  Find

Opens the component editor for the parameter or meter on the currently-selected row.

• Cut

Cuts the currently-selected row.

• Copy

Copies the currently-selected row.

- **Paste** Pastes the copied row.
- ∘ Insert

Inserts the copied row.

- **Delete** Deletes the currently-selected row.
- ∘ Swap

Swaps the position of the currently-selected row.

## • [Clear] button

Clears the currently-selected row. You can use < Ctrl > or < Shift > to select multiple items.

## • [Clear All] button

Clears all registered parameters or meters.

## • [Export] button

Exports the list in .csv format file.

' [Search] button

Opens the "Search" dialog box for searching the list in the "Remote Control Setup List" dialog box.

## \* [String Display]/[Numeric] button

Switch view mode in the [MIN] and [MAX] columns. **String Display:** The format used in the component editor is displayed. **Numeric:** The internal value is displayed.

## • [OK] button

Enables the settings and closes the dialog box.

• [Cancel] button

Closes the dialog box without updating the settings.

## • [Apply] button

Updates the new settings.

#### ■"Search" dialog box for searching the list

Use this when you want to search within the list of the "Remote Control Setup List" dialog box.

|           | h    |           |           |        |                 | ×     |
|-----------|------|-----------|-----------|--------|-----------------|-------|
| Look in : | :    | FUNCTION  | ~         |        |                 |       |
| Search f  | or : | Parameter | ~         |        |                 |       |
|           |      |           |           | Search | All Search Next | Close |
| No.       | FUN  | CTION     | PARAMETER | Туре   | Cmp ID          |       |
|           |      |           |           |        |                 |       |
|           |      |           |           |        |                 |       |
|           |      |           |           |        |                 |       |

#### • [Look In:] list box

Selects the location to search.

#### ' [Search for:] text box / list box

A list box appears if you selected [FUNCTION] in the [Look In:] list box; otherwise, a text box appears. Select the item to search, or enter text.

#### ' [Search All] button

Searches the list for the specified conditions, and shows the results below. When you click an item in the displayed search results, the focus moves to the corresponding item in the "Remote Control Setup List" dialog box.

#### ' [Search Next] button

Searches the list for the specified conditions, and moves the focus to the item that was found in the "Remote Control Setup List" dialog box. When you click this button again, the focus moves to the next search result item.

#### • [Close] button

Closes the dialog box.

## 13.17.3. "SD Card File Manager" dialog box

To open this dialog box, click [SD Card File Manager] from the [Tools] button in the "Device" sheet.

This dialog box enables you to register a file you wish to play with the SD Card component. The list in this dialog box is also used to play files via the DCP or GPI.

| E   | Edit    |             |               |               |          | $\equiv$ |  |
|-----|---------|-------------|---------------|---------------|----------|----------|--|
| No. | Туре    | File/Folder | Play Mode     | Go to the top | Interval | ^        |  |
| 001 | Folder  |             | Normal        | Off           | 3.0      |          |  |
| 002 | Folder  |             | Repeat        | Off           | 3.0      |          |  |
| 003 | Folder  |             | ShuffleRepeat | On            | 3.0      |          |  |
| 004 | No Assi | No Assign   | -             | -             | -        |          |  |
| 005 | No Assi | No Assign   | -             | -             | -        |          |  |
| 006 | No Assi | No Assign   | -             | -             | -        |          |  |
| 007 | No Assi | No Assign   | -             | -             | -        |          |  |
| 800 | No Assi | No Assign   | -             | -             | -        |          |  |
| 009 | No Assi | No Assign   | -             | -             | -        |          |  |
| 010 | No Assi | No Assign   | -             | -             | -        |          |  |
| 011 | No Assi | No Assign   | -             | -             | -        |          |  |
| 012 | No Assi | No Assign   | -             | -             | -        |          |  |
| 013 | No Assi | No Assign   | -             | -             | -        |          |  |
| 014 | No Assi | No Assign   | -             | -             | -        |          |  |
| 015 | No Assi | No Assign   | -             | -             | -        |          |  |
| 016 | No Assi | No Assign   | -             | -             | -        |          |  |
| 017 | No Assi | No Assign   | -             | -             | -        |          |  |
| 018 |         | No Assign   | -             | -             | -        |          |  |
| 019 |         | No Assign   | -             | -             | -        |          |  |
| 020 |         | No Assign   | -             | -             | -        |          |  |
| 021 |         | No Assign   | -             | -             | -        |          |  |
| 022 |         | No Assign   | -             | -             | -        |          |  |
| 023 |         | No Assign   | -             | -             | -        |          |  |
|     |         | No Assign   | -             | -             | -        |          |  |
| 025 | No Assi | No Assign   | -             | -             | -        | ~        |  |

#### • [Edit] button

Click this button to open the "SD Card File Settings" dialog box.

#### $\cdot$ Menu $\equiv$ button

Click this button to open the following context menu.

#### • Copy

Copies the settings for the currently-selected row.

#### • Paste

Pastes the copied contents to the currently-selected row or to the "SD Card File Manager" dialog box for other devices.

• Clear

Deletes the settings for the currently-selected row.

Copy All

Copies all settings.

 Clear All Deletes all settings.

• List

If no file or folder is specified, "No Assign" appears.

• No

You can set from row 001 up to row 100.

• Type

If you selected "Play 1 Song" for "File/Folder" in the "SD Card File Settings" dialog box, "1 Song" will appear in this column. If you selected "Play all songs in a folder," "Folder" will appear in this column.

#### • File/Folder

Indicates the file name or folder name.

#### • Play Mode

Indicates the specified Play Mode.

 $\circ~$  Go to the top

Indicates the setting that was specified in the [Go to the top when playback stops] check box.

#### • Interval

Indicates the interval time.

**Up and down arrow** buttons Change the position of the currently-selected row.

#### • [OK] button

Saves the settings and closes the dialog box.

#### • [Cancel] button

Closes the dialog box without saving the changes.

#### "SD Card File Settings" dialog box

| SD Card File Settings |                                       |
|-----------------------|---------------------------------------|
| Folder/File           |                                       |
| Play 1 song           | $\bigcirc$ Play all songs in a folder |
| SD Card:/ .mp3        | Browse                                |
| Play Mode             |                                       |
| Normal                | Repeat O Shuffle Repeat               |
| Go to the top whe     | n playback stops                      |
|                       | in playback stops.                    |
| Interval              | n playback stops.                     |
| Interval              |                                       |
|                       |                                       |

#### [Folder/File]

Specifies the file to play.

### ' [Play 1 song] / [Play all songs in a folder] option button

If you choose [Play 1 song], only the file currently selected in [SD CARD:/] will play. If you select [Play all songs in a folder], all files saved in the folder selected by [SD CARD:/] will play.

#### ' [SD CARD:/]

This shows the name of the file or folder that will be played. You can change the name, or enter it directly. If [Play 1 song] is selected

The following file and folder formats can be shown.

- 。(folder name)\(file name).mp3
- 。(folder name)\(file name).wav
- 。(file name).mp3
- 。(file name).wav

- <u>If [Play all songs in a folder] is selected</u> The following folder formats can be shown.
  - $_{\circ}$  (folder name)
  - $_{\circ}$  blank



- Only first-level folders are valid.

- If the folder name is blank, all the files that exist in the root level of the SD memory card will be played (folders below the root level will not be included).

## · [Browse] button

When you click this, a screen will appear, allowing you to select the file or folder to be played.

If you choose [Play 1 song], select a file.

If you choose [Play all songs in a folder], select a folder.

## [Play Mode]

## \* [Normal]/[Repeat]/[Shuffle Repeat]

This specifies the play mode for the file or files.

If you choose [Normal], the specified file or files in the folder will play once.

If you choose [Repeat], the specified file or files in the folder will play repeatedly.

If you choose [Shuffle Repeat], the files in the specified folder will play repeatedly in random order. If you choose [Play 1 song] in [Folder/File], the [Shuffle Repeat] setting will be unavailable.

### ' [Go to the top when playback stops.] check box

When you stop file playback, this specifies whether the file will pause at the location where you stopped or will return to the beginning of the file.

If this is On, playback will begin from the beginning of the file or the first file in the folder the next time you start playback.

If this is Off, playback will begin from the location at which you stopped the next time you start playback.

## [Interval]

This specifies the playback spacing when files are played consecutively.

#### • Time (sec)

You can set the time in the range from 0.0 sec to 10.0 sec in 0.1 sec steps.



If an event to play another file is executed while the current file is still playing, the current playback will stop and the other file will start to play.

## • [OK] button

Saves the settings and closes the dialog box.

#### • [Cancel] button

Closes the dialog box without saving the changes.

## 13.17.4. "GPI" dialog box

To open this dialog box, click [GPI] from the [Tools] button in the "Device" sheet.

GPI stands for General Purpose Interface. By using the GPI input/output, you can remotely control the DME via custom-made controllers or external devices. A controller that is connected to the GPI input connector can be used to switch snapshots on the DME or to control the parameters of components.

Display devices such as LEDs and lamps or external control equipment made by other manufacturers can be connected to the GPI output connector, letting you control the external device according to the state of presets or parameters.

For hardware-related details such as how to connect the [GPI] connector, refer to the owner's guide of each unit.

There are two methods to set up the GPI input.

• Using the "GPI Input" dialog box, which you can access from the [Tools] button in the "Device" sheet. Use this method to execute a single function via a single port input.

• Adding the GPI Input component to the Control layer in the "Device" sheet, and using the editor to set it up. Use this method if you wish to control multiple parameters or functions simultaneously via a single input port, or

if you wish to manipulate a complex operation by combining multiple control components. \* For GPI input, both the settings in the dialog box and the settings by the GPI Input component in the Control layer will be executed simultaneously.

There are two methods to set up the GPI output.

• Using the "GPI Output" dialog box, which you can access from the [Tools] buttons in the "Device" sheet. Use this method to output a signal via a single output port based on a single operation as the factor.

• Adding the GPI Output component to the Control layer in the "Device" sheet, and using the editor to set it up. Use this method if you wish to output a signal via a single output port based on multiple operations as the factor, or if you wish to execute a complex operation by combining multiple control components.

\* The Output Port Type setting is linked between this dialog box and the GPI Output component in the Control layer.

#### Operations applied to both the "GPI Input" and "GPI Output" dialog boxes

| 💽 GPI li | nput               |                           |            |         |        | ×         |
|----------|--------------------|---------------------------|------------|---------|--------|-----------|
|          |                    |                           |            |         |        | Clear All |
| Port     | Function           | Parameter                 | Input Type | Voltage |        | ^         |
| 1        | No Assign          |                           |            |         |        |           |
| 2        | No Assign          |                           |            |         |        |           |
| 3        | No Assign          |                           |            |         |        |           |
| 4        | No Assign          |                           |            |         |        |           |
| 5        | No Assign          |                           |            |         |        |           |
| 6        | No Assign          |                           |            |         |        |           |
| 7        | No Assign          |                           |            |         |        | ~         |
| For Eme  | ergency IN (+24V i | input), use port 16 only. |            |         |        |           |
|          |                    |                           |            | ОК      | Cancel | Apply     |

· [Clear All] button

Initializes the settings of all ports.

#### ' [Port] select buttons

Click this button to open the "Settings" dialog box.

#### • [OK] button

Applies the setting and closes the dialog box.

### • [Cancel] button

Discards the setting and closes the dialog box.

#### • Function

Indicates the function assigned to the corresponding port.

#### \* Parameter

Indicates the parameter assigned to the corresponding port.

#### Registering a parameter or snapshot

| Settings (Input Port1) |  |  |  |
|------------------------|--|--|--|
| Function               |  |  |  |
| No Assign              |  |  |  |
| SD Play                |  |  |  |
| Snapshot Recall        |  |  |  |
| Parameter              |  |  |  |
| Device Mute            |  |  |  |
| GPI Lock               |  |  |  |
|                        |  |  |  |
|                        |  |  |  |
|                        |  |  |  |

Drag and drop a snapshot or parameter to the green area. The Function column will automatically indicate the name of the corresponding function.

| Registration source   | Registration method  |
|-----------------------|--|
| "Parameter Sets" area | Drag and drop a snapshot to the green area.  |
| Component editor      | While pressing and holding down < Ctrl >, drag and drop a parameter to the green area. |
| "Parameters" area     | Drag and drop a parameter in the green area.   |

### [GPI Input] dialog box

This dialog box explains how the [GPI IN] connectors on the device are configured.

| 😽 GPI I | nput             |                           |            |         | ×          |
|---------|------------------|---------------------------|------------|---------|------------|
|         |                  |                           |            |         | Clear All  |
| Port    | Function         | Parameter                 | Input Type | Voltage | ^          |
| 1       | No Assign        |                           |            |         |            |
| 2       | No Assign        |                           |            |         |            |
| 3       | No Assign        |                           |            |         |            |
| 4       | No Assign        |                           |            |         | <b>~</b>   |
| For Eme | ergency IN (+24V | input), use port 16 only. |            |         |            |
|         |                  |                           |            | OK Car  | ncel Apply |

## ' [Voltage]

Indicates the current input voltage value while the device is online. Only [GPI IN] connector #16 supports Emergency In (+24V input).

#### Settings dialog box

| Function        |  |
|-----------------|--|
| No Assign       |  |
| SD Play         |  |
| Snapshot Recall |  |
| Parameter       |  |
| Device Mute     |  |
| GPI Lock        |  |
|                 |  |
|                 |  |

#### Function

- [SD Play]
  - SD Song Select & Play
     Plays the file specified in the "SD Card File Manager" dialog box.
  - **SD Song Pause** Stops playing the file.
- [Snapshot Recall] Recalls the snapshot.
- Recails the shapsho
- · [Parameter]

Enables you to edit the assigned parameter.

When the Control Type is Parameter Value Edit

| Parameter Value Edit | ~           |
|----------------------|-------------|
| Upper Limit          |             |
| 10.00dB              |             |
|                      | Upper Limit |

You can edit the assigned parameter within the specified range. Click the Lower Limit or Upper Limit field to display the operator.

#### When the Control Type is Direct Parameter Value

| Control Type | Direct Parameter Value $ \smallsetminus $ |
|--------------|---|
| Value        |   |
| 0.00dB       |   |

You can set the assigned parameter to a specified value. Click the Value field to display the operator.

#### • [Device Mute]

Mutes the device.

#### ' [GPI Lock]

Any inputs from the [GPI IN] ports, other than those for which GPI Lock has been set, will be disabled.

#### • [Emergency In]

Place the device in Emergency mode. Only port #16 supports Emergency mode.

#### • Emergency mode

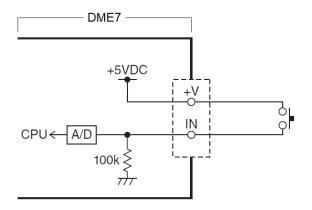
The DME enters Emergency mode if it receives the SCP devmode emergency command, or when the input at [GPI IN] connector (IN 16) (which supports +24V) falls below 2.5V. In this mode, the unit will operate as follows.

- The unit recalls the snapshot that was specified for [Emergency Recall] which can be accessed from [Parameter Sets]. When Emergency mode is cleared, the device returns to the status obtained prior to recall.
- Operations from an external controller such as a DCP will no longer be received.
- The unit will be taken offline from ProVisioniare Design.

#### Input Type

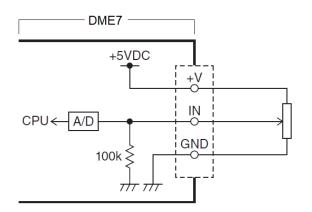
Connection examples using the [GPI IN] connector

• Connection example 1: Controlling the DME with a switch



• Connection example 2:

Controlling the DME with a  $10k\Omega$  B-curve variable resistor



- [INPUT TYPE] allows the following settings.
  - 。 🖪 Analog
  - 。 🍾 Analog Inv.
  - 。 🗗 High Active
  - 。 ъ Low Active
  - 。 🖌 Rising Edge
  - 。 🔁 Falling Edge

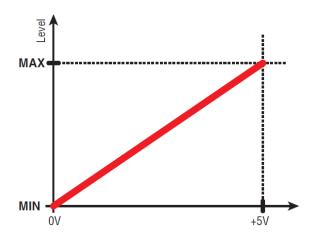
• The threshold value at which on/off switching will occur will be the middle value between the maximum and minimum input voltage values (the value equal to the sum of the maximum and minimum values divided by two). To prevent malfunctions, you should allow plenty of



room for detection (see "GPI Calibration" dialog box).
If the voltage has dropped because of cable length or noise, use the "GPI Calibration" dialog box to adjust the maximum and minimum input voltage values. Since voltage may become unstable, configure and set up your external circuit to ensure that there is ample distance between the maximum and minimum values.

## 【 🖪 Analog】

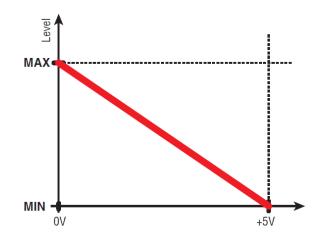
You can select this option if you assigned a continuously-changing parameter to the [Parameter Value Edit] category.



• The level will be at the maximum value when the input voltage to the GPI IN is at maximum (5V), and at the minimum value when the input voltage is at minimum (0V).

#### 🛛 🖌 Analog Inv.

You can select this option if you assigned a continuously-changing parameter to the [Parameter Value Edit] category.

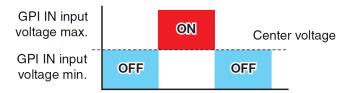


• The level will be at the minimum value when the input voltage to the GPI IN is at maximum (5V), and at the maximum value when the input voltage is at minimum (0V).

## 【 J→ High Active】

You can select this option if one of the following functions was assigned.

- Device Mute
- GPI Lock



• The function will turn on when the input voltage to GPI IN rises above the center voltage, and will turn off when it falls below the center voltage.

#### [ ہد] Low Active

You can select this option if one of the following functions was assigned.

- Device Mute
- GPI Lock

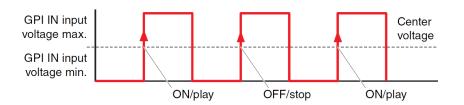


• The function will turn off when the input voltage to GPI IN rises above the center voltage, and will turn on when it falls below the center voltage.

### 【 🖌 Rising Edge】

You can select this option if one of the following functions was assigned.

- On/Off
- · SD Song Select & Play/ SD Song Pause
- Snapshot
- Parameter > Direct Parameter Value
- Device Mute
- GPI Lock

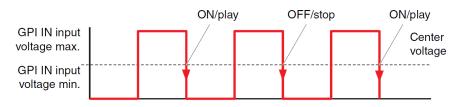


• The assigned function will be executed if the input voltage to the [GPI IN] connector rises from below to above the middle voltage value.

## 【 🕹 Falling Edge】

You can select this option if one of the following functions was assigned.

- On/Off
- SD Song Select & Play/ SD Song Pause
- Snapshot
- Parameter > Direct Parameter Value
- Device Mute
- GPI Lock



• The assigned function will be executed if the input voltage to the [GPI IN] connector falls from above to below the middle voltage value.

#### GPI Output dialog box

| 4 | GPI O | utput       |           |             | ×         |
|---|-------|-------------|-----------|-------------|-----------|
|   | Activ | re Inactive |           |             | Clear All |
| P | ort   | Function    | Parameter | Output Type | ^         |
|   | 1     | No Assign   |           | Closed      |           |
|   | 2     | No Assign   |           | Closed      |           |
|   | 3     | No Assign   |           | Closed      |           |
|   | 4     | No Assign   |           | Closed      | ~         |
|   |       |             | O         | K Cancel    | Apply     |

#### \* [Active] button, [InActive] button

Press this button while the device is online to output at the GPI output a test signal according to the Output Type setting.

For more information, refer to the explanation in the Output Type section.

### Settings dialog box

| Settings (Output Port1) |             | ×         |
|-------------------------|-------------|-----------|
| Function                | Output Type | Direction |
| No Assign               | Closed      |           |
| SD Song Play            | Open        |           |
| Parameter               | Pulse       |           |
| GPI Lock<br>Alert       | Pulse Inv.  |           |
| Alert                   |             |           |
|                         |             |           |
|                         |             |           |
|                         |             |           |
|                         |             |           |
|                         |             |           |
|                         |             |           |
|                         |             |           |
|                         |             |           |
|                         |             |           |
|                         |             |           |
|                         |             | OK Cancel |
|                         |             | Cancer    |

#### Function

' [SD Song Play]

The command will be output from the [GPI OUT] connector when an SD card file starts to play.

· [Parameter]

The command will be output at the [GPI OUT] connector when the parameter value reaches the specified status.

#### GPI Lock

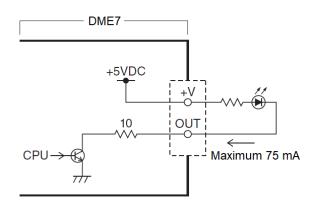
The GPI Lock status will be output at the [GPI OUT] connector.

#### • [Alert]

The command will be output at the [GPI OUT] connector when a specified alert occurs.

#### Output Type

Connection examples using the [GPI OUT] connector



- [OUTPUT TYPE] allows the following settings.
  - 。」 Closed
  - 。 🎝 Open
  - 。 📭 Pulse
  - . ₽ Pulse Inv.

#### Closed €

When the selected [Function] state occurs, the contact will be closed.

If [Parameter Value Edit] is selected, the contact will be closed when the specified threshold is exceeded. If [Direct Parameter Value] is selected, the contact will be closed when the specified value is reached.

- $_{\circ}\,$  Press the [Active] button to close the contact.
- 。Press the [InActive] button to open the contact.
- ՝ ጌ Open

When the selected [Function] state occurs, the contact will be opened.

If [Parameter Value Edit] is selected, the contact will open when the specified threshold is exceeded. If [Direct Parameter Value] is selected, the contact will open when the specified value is reached.

- $_{\circ}\,$  Press the [Active] button to open the contact.
- 。Press the [InActive] button to close the contact.

#### ' 📭 Pulse

If the [Direction] is [Upward], the contact will change from closed to open for approximately 250 ms when the selected [Function] state occurs.

If [Parameter Value Edit] is selected, the contact will change from open to closed for approximately 250 ms when the value exceeds the threshold.

If the [Direction] is [Downward], the contact will change from closed to open for approximately 250 ms when the selected [Function] state is cleared.

If [Parameter Value Edit] is selected, the contact will change from open to closed for approximately 250 ms when the value falls below the threshold.

- 。 Press the [Active] button to open the contact for 250 ms.
- 。 The [InActive] button is disabled.

#### ່ 🗗 Pulse Inv.

If the [Direction] is [Upward], the contact will change from closed to open for approximately 250 ms when the selected [Function] state occurs.

If [Parameter Value Edit] is selected, the contact will change from closed to open for approximately 250 ms when the value exceeds the threshold.

If the [Direction] is [Downward], the contact will change from closed to open for approximately 250 ms

when the selected [Function] state is cleared. If [Parameter Value Edit] is selected, the contact will change from closed to open for approximately 250 ms when the value falls below the threshold.

- 。Press the [Active] button to open the contact for 250 ms.
- 。The [InActive] button is disabled.

### 13.17.5. "MIDI" dialog box

To open this dialog box, click [MIDI] from the [Tools] button in the "Device" sheet.

You can control the DME via MIDI. You can also control the setting from the DME. In addition, you can edit the settings while the device is online.

| MIDI  |     |        | ×         |
|---|-----|--------|-----------|
| Channel Tx 1 · Rx 1 ·   |     |        |           |
| Tx     Rx     OMNI     ECHO       Program Change     ON     ON     ON       Control Change     ON     ON     ON       Program Change     Control Change |     |        |           |
|   |     | Clear  | Clear All |
| No <ctrl>+drag-and-drop DME parameter into this area.       1    </ctrl>  | Min | Max    | ~         |
|   | ОК  | Cancel | Apply     |

Assigning items to the list

You can assign items to the list using one of the following methods.

| Registration source   | Registration method   |
|-----------------------|---|
| "Parameter Sets" area | Drag and drop a snapshot to the green area of the "Program Change" screen.  |
| Component Editor      | While pressing and holding down < Ctrl >, drag and drop the parameter to the green area of the "Control Change" screen. |
| "Parameter Sets" area | Drag and drop the parameter to the green area of the "Control Change" screen.   |

#### Common MIDI settings

| MIDI           |                 | × |
|----------------|-----------------|---|
| Channel Tx 1   | 1 × Rx 1 ×      |   |
|                | Tx Rx OMNI ECHO |   |
| Program Change | ON ON ON        |   |
| Control Change | ON ON ON ON     |   |
| Program Change | Control Change  |   |

#### · Channel

• **Tx** 

Select from the MIDI transmit channels (1-16).

• **Rx** 

Select from the MIDI receive channels (1-16).

• Program Change

Enables you to turn the Program Change Tx (transmit channel) and Rx (receive channel) on or off. If OMNI is [ON], all Program Change messages will be received regardless of the receive channel setting. (This applies only to the receive channels. A single channel will be used for transmission.) If ECHO is [ON], any Program Change messages that are received from an external device will be output unchanged.

#### • Control Change

Enables you to turn on or off the Control Change TX (transmit channel) and Rx (receive channel). If OMNI is [ON], all Control Change messages will be received regardless of the receive channel

setting. (This applies only to the receive channels. A single channel will be used for transmission.) If ECHO is [ON], any Control Change messages that are received from an external device will be output unchanged.

#### \* Program Change/Control Change switching tabs

These tabs switch between the Program Change setting screen and the Control Change setting screen.

#### • [Clear] button

Clears the settings for the currently-selected row.

#### • [Clear All] button

Clears the settings for all rows.

| MIDI 🕂          |                                     | × |
|-----------------|-------------------------------------|---|
| Channel Tx      | 1 · Rx 1 ·                          |   |
|                 | Tx Rx OMNI ECHO                     |   |
| Program Change  | ON ON ON                            |   |
| Control Change  | ON ON ON                            |   |
| Program Change  | Control Change                      |   |
| Bank Select LSB | 0 V Clear All                       |   |
| No drag-an      | d-drop DME snapshot into this area. | 1 |
| 1               |                                     |   |
| 2               |                                     |   |
| 3               |                                     |   |
| 5               |                                     |   |
| 6               |                                     |   |
| 7               |                                     |   |
| 8               |                                     |   |
| 9               |                                     |   |
| 10              |                                     |   |
| 11              |                                     |   |
| 12              |                                     |   |
| 13              |                                     |   |
| 14              |                                     |   |
| 15<br>16        |                                     |   |
| 10              | ·                                   | 1 |
|                 | OK Cancel Apply                     |   |

#### [Program Change] tab

Assigns shapshots to program control change numbers 1 through 128. Switches scenes when program changes are received. Up to 999 assignments can be made. Snapshots above number 128 are assigned by changing banks.

#### \* [Bank Select LSB] button

Banks 0-7 are available. Select from 001 to 128 for each bank.

#### • Program Change list

The list in the middle indicates the Program Change numbers and the current setting.

• **No.** 

Indicates the Program Change number.

• **Drag-and-drop Snapshot into this area.** Indicates the name of registered snapshots.

### [Control Change] tab

Assigns components to control change for each DME. You can change DME parameters by sending control change messages from external equipment.

You can assign to control change numbers 1-31, 33-95, and 102-119.



Because control change numbers 0 and 32 are used for bank select MSB, numbers 96-101 are RPN/NRPN related, and 120-127 are used for mode messages, they cannot be used for component assignment.

#### <sup>•</sup> Control Change List

The control change numbers and current settings are displayed in the list in the center.

 $\circ~$  No.

Displays the control change numbers.

- < Ctrl >+drag-and-drop DME parameter into this area. Indicates the name of registered parameters.
- Min/Max

Enables you to specify the editable range of parameters. Click the field to display the operator. You can change the parameter by dragging the slider.

| -00 |     |       | 10.00dB |
|-----|-----|-------|---------|
|     |     |       |         |
|     | Max | 10.00 | dB      |
|     | Min | -00   | dB      |

## 13.18. Message List

Messages displayed on the DME display and countermeasures are as follows.

| Data ID | Data Name                   | Message<br>[Normal] | Message<br>[Warning]  | Message<br>[Error]  | Message<br>[Fault]   |
|---------|-----------------------------|---------------------|---|---|--|
| 30002   | EXT TEMP Limit              | -                   | Environmental<br>temperature<br>exceeded device<br>upper limit. Please<br>check air flow.   | -   | -  |
| 30009   | FAN<br>Rotation<br>Error    | -                   | FAN rotation<br>speed out of<br>control. Please<br>check that fan<br>rotation is not<br>obstructed by<br>some external<br>impediment.                                   | -   | FAN stopped.<br>Please contact<br>Yamaha service<br>personnel for<br>DME7 and NEXO<br>service personnel<br>for DME10.  |
| 30010   | Fan<br>Lifespan<br>Warning  | -                   | FAN will soon<br>reach end of<br>expected lifespan.<br>Please contact<br>Yamaha service<br>personnel for<br>DME7 and NEXO<br>service personnel<br>for DME10.            | -   | -  |
| 30011   | Low Battery                 | -                   | Remaining battery<br>charge is low.<br>Please replace.  | Battery charge will<br>soon be<br>exhausted. Please<br>replace. | No battery charge<br>remaining. Some<br>part of data cannot<br>be preserved<br>correctly.  |
| 30022   | Leader W/C Unlock           | -                   | -   | Wrong word clock<br>detected on leader<br>word clock source.    | -  |
| 30024   | Storage Lifespan<br>Warning | -                   | Storage device will<br>soon reach end of<br>expected lifespan.<br>Please contact<br>Yamaha service<br>personnel for<br>DME7 and NEXO<br>service personnel<br>for DME10. | -   | -  |
| 30025   | Storage<br>Access<br>Error  | -                   | Error occurred<br>whilst writing data<br>to storage.  | -   | Error occurred<br>while writing data<br>to storage. Please<br>contact Yamaha<br>service personnel<br>for DME7 and<br>NEXO service<br>personnel for<br>DME10. |

#### 13. Audio Processors DME10/DME7

| Data ID | Data Name               | Message<br>[Normal] | Message<br>[Warning] | Message<br>[Error]             | Message<br>[Fault] |
|---------|-------------------------|---------------------|----------------------|--------------------------------|--------------------|
| 30026   | IP Address<br>Duplicate | -                   | -                    | IP Address collision detected. | -                  |

|       | Data Name   | Message<br>[Normal]  | Message<br>[Warning]  | Message<br>[Error]                     | Message<br>[Fault]   |  |  |
|-------|---|--|---|--|--|--|--|
| 30033 | Dante Module<br>Error   | -  | -   | -                                      | Dante module is<br>not responding.<br>Refer to the<br>following. |  |  |
|       | Make sure that Dante Slot and the Dante module are on the same network. If they are not on the same network, communication between Dante Slot and the Dante module will not be possible. Set the IP address appropriately using the following method. If the problem persists, please contact Yamaha service personnel for DME7 and NEXO service personnel for DME10.<br>You can check the IP address of Dante Slot using ProVisionaire Design and the IP address of the Dante module using Dante Controller. Refer to the Dante Controller User Guide for instructions on how to check the IP address of the Dante module.   |  |   |  |  |  |  |
|       | ProvVisionaire Design         Image: Control Interface         Image: Contr |  |   |  |  |  |  |
|       | <ul> <li>1. In Dante Controller, set the Dante IP of the DME device to DHCP mode.</li> <li>→ If a DHCP server is available, the IP address is set automatically.</li> <li>→ If no DHCP server is available, 169.254.xxx.xxx is assigned (link-local address).</li> <li>2. Apply the setting and reboot the device.</li> <li>The parameters will not be reflected unless the DME device is rebooted.</li> </ul>  |  |   |  |  |  |  |
|       |   | r <b>e the NIC on your co</b><br>is available, the IP ac   | -   | tically.                               |  |  |  |
|       |   | r is available, set the  | IP address to 169.25  | -                                      |  |  |  |
|       | Be careful not to ca<br>4. Configure the NIG<br>→ If a DHCP server<br>→ If no DHCP server<br>Be careful not to ca   | r is available, set the<br>use conflicts within t<br>C of Dante Slot in Pro<br>is available, the IP ac<br>r is available, set the<br>use conflicts within t<br>changed, the DME de | IP address to 169.25<br>the network.<br>D <b>Visionaire Design.</b><br>Idress is set automa<br>IP address to 169.25<br>the network. | 54.xxx.xxx.<br>tically.<br>54.xxx.xxx. |  |  |  |

| Data ID | Data Name                      | Message<br>[Normal]                    | Message<br>[Warning]   | Message<br>[Error]   | Message<br>[Fault] |
|---------|--------------------------------|--|--|--|--------------------|
| 30034   | No Dante<br>Connection         | -                                      | No network is<br>connected to the<br>Dante port. Please<br>check the Dante<br>connection.  | -  | -                  |
| 30037   | Wrong Dante Clock              | -                                      | Dante word clock<br>settings are wrong.<br>Please check the<br>settings.   | -  | -                  |
| 30038   | Muted - Dante<br>Clock Err.    | -                                      | -  | Muted due to<br>incorrect Dante<br>word clock<br>settings. Please<br>check Dante word<br>clock settings. | -                  |
| 30039   | Dante Clock Offset<br>Err.     | -                                      | Dante Clock<br>Frequency Offset<br>is unstable. Please<br>check network<br>configuration<br>including Ethernet<br>switch settings. | -  | -                  |
| 30040   | Dante Redundancy<br>Triiggered | -                                      | Dante Audio<br>transmission has<br>switched to<br>Secondary<br>network.  | -  | -                  |
| 30041   | Dante Secondary<br>Error       | -                                      | The Dante<br>secondary port is<br>not functioning.   | -  | -                  |
| 30047   | Power ON                       | Power ON                               | -  | -  | -                  |
| 30049   | Device Initialized             | Memory<br>initialization<br>performed. | -  | -  | -                  |
| 30050   | Time Synchronized              | Date and time is synchronized.         | -  | -  | -                  |
| 30051   | Firmware Updated               | Firmware update performed.             | -  | -  | -                  |
| 30052   | Scene/Snapshot<br>Store        | Scene/Snapshot<br>store performed.     | -  | -  | -                  |
| 30053   | Scene/Snapshot<br>Recall       | Scene/Snapshot<br>recall performed.    | -  | -  | -                  |

| Data ID | Data Name                 | Message<br>[Normal]                                    | Message<br>[Warning]   | Message<br>[Error]   | Message<br>[Fault]   |
|---------|---------------------------|--|--|--|--|
| 30056   | PSU Switched Over         | -  | Either Redundant<br>Power Supply "A"<br>or "B" failed.<br>Please check<br>power cables and<br>source.  | -  | -  |
| 30057   | Dante Link<br>100Mbps     | -  | Dante link speed is<br>less than Gigabit.<br>Try plugging into a<br>different network<br>switch or a<br>different port.<br>Alternatively, try<br>using a different<br>network cable. | -  | -  |
| 30058   | Sub Module Error          | -  | -  | -  | Internal sub<br>module is not<br>responding. Please<br>contact Yamaha<br>service personnel<br>for DME7 and<br>NEXO service<br>personnel for<br>DME10.                                  |
| 30059   | Sub Module<br>Rebooted    | -  | -  | Internal sub<br>module has<br>rebooted<br>unintentionally. | -  |
| 30060   | Illegal MAC<br>address    | -  | -  | -  | Illegal MAC<br>address has been<br>detected at control<br>ethernet interface.<br>Please contact<br>Yamaha service<br>personnel for<br>DME7 and NEXO<br>service personnel<br>for DME10. |
| 30061   | Dante MAC<br>Address Err. | -  | -  | -  | Illegal MAC<br>address has been<br>detected at Dante<br>ethernet interface.<br>Please contact<br>Yamaha service<br>personnel for<br>DME7 and NEXO<br>service personnel<br>for DME10.   |
| 30062   | IP Address<br>Assigned    | IP address is<br>assigned to the<br>network interface. | -  | -  | -  |

| Data ID | Data Name                        | Message<br>[Normal]  | Message<br>[Warning]  | Message<br>[Error]   | Message<br>[Fault] |
|---------|----------------------------------|--|---|--|--------------------|
| 30063   | IP Address<br>Assigned (Auto IP) | IP address is<br>assigned (AutoIP)<br>to the network<br>interface. | -   | -  | -                  |
| 30064   | IP Address<br>Released           | IP address<br>assigned by DHCP<br>server is released.              | -   | -  | -                  |
| 30065   | Internal Network<br>Error        | -  | -   | Unable to establish<br>connection with<br>internal sub<br>module due to<br>incorrect network<br>address.   | -                  |
| 30066   | Dante (TX)<br>Overflow           | -  | -   | Dante Audio Flow<br>Resource (TX)<br>exceeded. Please<br>re-design Dante<br>patch to match<br>Dante Flow<br>resources.   | -                  |
| 30067   | Dante (RX)<br>Overflow           | -  | -   | Dante Audio Flow<br>Resource (RX)<br>exceeded. Please<br>re-design Dante<br>patch to match<br>Dante Flow<br>resources.   | -                  |
| 30068   | Dante Settings<br>Locked         | -  | Unable to apply<br>Dante setting<br>changes to the<br>Dante module due<br>to Dante Device<br>Lock or DDM<br>permission<br>settings. | -  | -                  |
| 30069   | DCP Comms Error                  | -  |   | Communication<br>error is detected<br>during the<br>communication<br>sequence between<br>host device and<br>DCPs. Please<br>make sure that the<br>following are<br>within<br>specification:<br>1) cable length,<br>2) cable quality,<br>3) the final DCP in<br>the chain is<br>terminated. | -                  |

| Data ID | Data Name                   | Message<br>[Normal] | Message<br>[Warning] | Message<br>[Error]   | Message<br>[Fault] |
|---------|-----------------------------|---------------------|----------------------|--|--------------------|
| 30070   | DCP Configuration<br>Error  | -                   | -                    | Unable to<br>communicate with<br>connected DCPs<br>correctly. Please<br>check if<br>1) Panel ID's are<br>correctly set<br>2) Pre-configured<br>DCP type and real<br>DCP type<br>connected by wire<br>is identical. | -                  |
| 30071   | DSP Resource<br>Overflow    | -                   | -                    | The resource for<br>audio signal<br>processing is<br>unexpectedly<br>overflowed, which<br>might cause<br>audible noise.  | -                  |
| 30072   | Incompatible<br>Data/File   | -                   | -                    | Unable to<br>Load/Import<br>Data/File due to<br>incompatible data<br>format.   | -                  |
| 30073   | Incompatible RC<br>Protocol | -                   | -                    | Unable to<br>communicate/resp<br>ond to external<br>remote control<br>device/software<br>due to<br>incompatible<br>protocol version.   | -                  |
| 30074   | DHCP Server No<br>Response  | -                   | -                    | DHCP server is not<br>responding to the<br>device.   | -                  |
| 30075   | NTP Server No<br>Response   | -                   | -                    | NTP server is not<br>responding to the<br>device.  | -                  |
| 30076   | Missing License             | -                   | -                    | Some or entire<br>functions of this<br>device stop<br>working due to<br>missing or<br>insufficient<br>licenses. Please<br>activate additional<br>licenses or remove<br>corresponding<br>functions.                 | -                  |

| Data ID | Data Name                       | Message<br>[Normal]                                 | Message<br>[Warning]                       | Message<br>[Error]  | Message<br>[Fault] |
|---------|---------------------------------|---|--|---|--------------------|
| 30077   | Setting Data<br>Corrupted/Lost  | -   | -  | Corrupted data/file is detected.  | -                  |
| 30078   | Storage Full                    | -   | -  | Storage Full.   | -                  |
| 30079   | Unsupported<br>File System      | -   | -  | The storage drive<br>is formatted with<br>unsupported file<br>system type.<br>Please re-format<br>the storage to a<br>supported format. | -                  |
| 30080   | Removable Drive<br>Mounted      | Removal drive has<br>been mounted to<br>device.     | -  | -   | -                  |
| 30081   | Removable Drive<br>Unmounted    | Removal drive has<br>been unmounted<br>from device. | -  | -   | -                  |
| 30082   | File Not Found                  | The file cannot be found.                           | -  | -   | -                  |
| 30083   | Authentication<br>Failed        | -   | Wrong PIN<br>code/Password<br>was entered. | -   | -                  |
| 30084   | Panel Locked                    | The operation panel is locked.                      | -  | -   | -                  |
| 30085   | Panel Unlocked                  | The operation panel is unlocked.                    | -  | -   | -                  |
| 30086   | Scene/Snapshot<br>Recall Failed | -   | -  | Failed to recall the<br>Scene/Snapshot<br>data.   | -                  |
| 30087   | Data Sync Failed                | -   | -  | Synchronization<br>sequence has been<br>stopped<br>unexpectedly.  | -                  |

# 14. Audio Processor MRX7-D

- 14.1 Overview
- 14.2 Project Sheet
- 14.3 Device Sheet Screen Configuration
- 14.4 Basic Use
- 14.5 Tool Buttons
- 14.6 Components Area
- 14.7 Design Sheet
- 14.8 Non-Audio Components
- 14.9 Parameter Sets Area
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- 14.11 Parameter Link Group Area
- 14.12 Gang Edit Group Area
- 14.13 Properties Area
- 14.14 Parameters Area
- 14.15 Context Menu
- 14.16 Dialog
- 14.17 Component Editor
- 14.18 Alert List
- 14.19 Flow of Paging Configuration

## 14.1. Overview

The MRX7-D is a free-configuration type processor that allows you to easily and freely design your system by arranging the components you want.

The MRX7-D can be operated using an external controller such as the DCP or MCP1. PGM1 can be used to build a paging system.

The MRX7-D device sheet allows you to freely place components, wire the components together, and compile. After that, communicate with the MRX7-D main unit to set parameters using the component editor or other software.

Parameters are stored and recalled in snapshot format.

The parameters that you want to store and recall can be grouped (parameter set), and ten parameter value patterns can be stored as snapshots for each parameter set.

Snapshots can be registered to presets and recalled from the front panel of the main unit along with DCP and other equipment.

Multiple snapshots can be grouped together (snapshot group) and registered in a single preset. Snapshots and snapshot groups can be recalled from the remote controller.

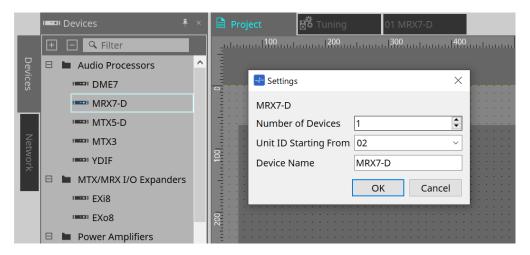
Multiple parameters can be linked (parameter link groups). They can be linked for each component (gang edit group).

Information such as the initial values of components, components, and wires between components can be stored in the computer in the form of user styles. Remembering user styles frees you from having to change settings each time you place a component. User styles can also be exported to other computers.

The wires between components can be converted to blocks as a User Defined Block. By combining multiple components into a single block, you can clean up the look of the stylesheet and easily create the same functionality for different channels by copying blocks. By setting "View Only" mode or "Protect" mode for each block, you can protect the block when you run "Protect User Defined Block".

## 14.2. Project Sheet

This is the sheet on which devices are placed. When placing devices, the Settings screen shown below is displayed.



#### • Number of Devices

Selects the number of MRX7-D units to be placed on the sheet.

#### <sup>•</sup> Unit ID Starting From

The starting number for the device Unit IDs can be selected.

#### Device Name

The device name can be displayed and edited.

### 14.2.1. Toolbar

|         | Trace Signal Path  |                   |         |           |           |           |           | Editor M | agnificatior | า |               |            |   |
|---------|--|-------------------|---------|-----------|-----------|-----------|-----------|----------|--------------|---|---------------|------------|---|
| → P     | roVisio  | naire Design      |         |           |           |           |           |          |              |   | -             |            |   |
| -ile    | Edit   | View System Tools | Arrange | Window He | lp        |           |           |          |              |   |               |            |   |
| D       | ▷ 관 🖶 🖯 ८ 🚣 🗈 ि 🔍 ९, ७४% ज 🔍 🕞 🖃 🗉 🗽 🖶 🖬 🗉 🗏 🔲 🖉 75% ज 🔪 🔶 |                   |         |           |           |           |           |          |              |   |               |            |   |
|         |  | - <b>- - - -</b>  | 4       | Online    | Offline 🔁 | Solo M    | lode      |          |              |   |               |            |   |
|         |  | Devices           | ₽×      | Project   | Br Tu     | ning      | 01 MRX7-I | C        |              | O | A Properties  |            | × |
|         | Ð  | 😑 🔍 Filter        |         | 100       | 200       | 300       |           | 500      | 600          |   | Ξ             | Bave Style | e |
| Devices | 8  | Audio Processors  | ^       |           |           |           |           |          |              |   | Property      | Value      | ^ |
| ices    |  | DME7              |         | 8         |           |           |           |          |              |   | Device        |            |   |
|         |  | MRX7-D            |         | ~         | 01 MRX7-D | <b>V</b>  |           |          |              |   | Model         | MRX7-D     |   |
|         | 1  | MTX5-D            |         |           | _         | DCP       |           |          |              |   | Device Name   | MRX7-D     |   |
| z       |  | INTX3             |         |           |           | <b>V-</b> |           |          |              |   | Unit ID       | 01         |   |
| etwo    |  |                   |         | 300       |           |           |           |          |              |   | Remote Contro | I 38400    |   |

#### \* Editor Magnification

Changes the magnification of the component editor.

#### \* Trace Signal Path

When this is turned on, when a port or wire is selected, the signal path will be searched in the output and input directions starting from the selected point.

### 14.2.2. Devices Area

If "YDIF" is added to the project, an example of connecting multiple devices by YDIF terminals is displayed. The word clock setting is also performed automatically.

| Index | Model   | Unit ID  |         | Clock Source |
|-------|---------|----------|---------|--------------|
| 1     | MRX7-D  | ▼ 01 ▼   | MRX7-D  | Dante        |
| 2     | XMV8280 | ▼ 02 ▼   |         | _            |
| 3     | None    | <u>▼</u> | XMV8280 | YDIF         |
| 4     | None    | <u> </u> | ,       |              |
| 5     | None    | •        |         |              |
| 6     | None    | <b>•</b> |         |              |
| 7     | None    | <b>•</b> |         |              |
| 8     | None    | <b>•</b> |         |              |

### 14.2.3. Properties Area

Displays/edits the MRX7-D information.

| A Properties       | ŧ ×                    |
|--------------------|------------------------|
| (± E               | Save Style             |
| Property           | Value                  |
| Device             | 1                      |
| Model              | MRX7-D                 |
| Device Name        | MRX7-D                 |
| Unit ID            | 01                     |
| Remote Control     | 38400                  |
| DCP                |                        |
| PGM1               |                        |
| Utilities          |                        |
| Dimmer             | Off                    |
| Disable Sync LEDs  | Off                    |
| Display            |                        |
| 🗆 Font             | A [Noto Sans, 12]      |
| Name               | Noto Sans              |
| Size               | 12                     |
| Bold               | False                  |
| Italic             | False                  |
| Strikeout          | False                  |
| Underline          | False                  |
| Font Color         | 255, 255, 255, 255     |
| Background Color   | 255, 133, 153, 148     |
| Foreground Color   | 255, 133, 153, 148     |
| Border Color       | 255, 89, 104, 100      |
| Brush Style        | SimpleGradientVertical |
| □ Location         | 156, 240               |
| Х                  | 156                    |
| Y                  | 240                    |
| 🗆 Size             | 144, 36                |
| Width              | 144                    |
| Height             | 36                     |
| Output Wiring Step | 0                      |
| Input Wiring Step  | 0                      |

#### Device

#### ' Unit ID

Match this to the Unit ID of the MRX7-D main unit. The factory default setting is 1.

#### \* Remote control

Confirm the port number when connecting an external controller, and configure the settings when

connecting an external controller to RS-232C.

The Remote Control dialog is displayed from the me that is displayed when the Value field in Properties is clicked.

| 😪 Remote Control                        |            | ×       |
|---|------------|---------|
| Network<br>Maximum number of network re | IP PORT No |         |
| Remote(RS-232C)                         | BIT RATE   | 38400 ~ |
|   | ОК         | Cancel  |

#### • [Network IP PORT No.]

Displays the port number of the MRX7-D's NETWORK terminal. Up to 8 external controllers can be connected to the terminals.

#### \* [Remote (RS-232C) BIT RATE] List Box

Selects the RS-232C communication speed. 38400 bps or 115200 bps can be selected. One external controller can be connected to the RS-232C connector.

#### • [OK] Button

Saves the settings and closes the dialog.

#### • [Cancel] Button

Closes the dialog without changing the settings.

#### • DCP

Selects the DCP to be connected to the MRX7-D DCP port.

When a DCP is selected, that DCP is connected to the MRX7-D and the DCP component is added to the device sheet.

| D | Model            |          | Name                      |  |             |            |                           |        |
|---|------------------|----------|---------------------------|--|-------------|------------|---------------------------|--------|
| 0 | DCP1V4S-US/      | ELL 🔻    | DCP1V4S                   |  |             |            |                           |        |
|   |                  |          |                           |  |             |            |                           |        |
| 1 | DCP4S-US/EU      | <u> </u> | DCP4S                     |  |             |            |                           |        |
| 2 | None             | <b>_</b> |                           |  |             |            |                           |        |
| 3 | None             | •        |                           |  |             |            |                           |        |
| 4 | None             | -        |                           |  |             |            |                           |        |
| 5 | None             | -        |                           |  |             |            |                           |        |
| 6 | None             | -        |                           |  |             |            |                           |        |
| 7 | None             | •        |                           |  |             |            |                           |        |
| 5 | VICE Digital Con | Itrol Pa | nel This                  | is an example is an example is an example is an example is a construction of the second secon | nple of a d | aisy-chain | connection<br>1234<br>D=6 | on.    |
|   |                  |          | set DCP DI<br>gest DCP ca |  |             | on) to the | ON positi                 | on for |

Parameter assignments are performed in the DCP component editor.

#### ' PGM1

Specifies the Unit ID for the PGM1 that is controlling the MRX7-D.

The PGM1 dialog is displayed from the me that is displayed when the Value field in Properties is clicked. For details, refer to the MTX5-D Paging setting flow.

| PGM1             | Unit ID        | Device Name |
|------------------|----------------|-------------|
| 1st Priority Mic |                | <b>-</b>    |
| Mic2             |                |             |
| Mic3             |                | •           |
| Mic4             |                | ▼           |
|                  | thernet Switch | PGM 1 PGX 1 |



The MRX7-D retains the PGM1 settings data, so there is no problem with the configuration even if PGM1 is not discovered in ProVisionaire Design.

When updating the PGM1's firmware or changing the IP address, please install Bonjour Print Service and allow ProVisionaire Design to discover the device.

For other items, please check the explanation displayed when the Properties item is selected.

|  | border com  | 233, 03, 104, 100      |   |   |  |  |  |
|--|-------------|------------------------|---|---|--|--|--|
|  | Brush Style | SimpleGradientVertical |   |   |  |  |  |
| ⊟  | Location    | 252, 144               |   |   |  |  |  |
|  | х           | 252                    |   | ~ |  |  |  |
| <  |             |                        | > |   |  |  |  |
| Brush Style<br>Edit Brush Style of Device Block. |             |                        |   |   |  |  |  |

## **14.3. Device Sheet Screen Configuration**

|                 |    | (2)                 |                     | (7)   | -                                     |              | 8             |            |
|-----------------|----|---------------------|---------------------|---|---------------------------------------|--------------|---------------|------------|
|                 |    | Components          | 🕂 × 📄 Project 🛛 📑 🕅 | funing 01 MRX7-D  | <u> </u>                              | A Properties | • • • • •     |            |
| S               | (± | E Q Filter          |                     | 200   | 400                                   | Ð 🗄          | B Save Style  |            |
| Components      |    | Limiter             | <b>^</b> Ga         | ing Edit  |                                       | Property     | Value         | Properties |
| nent            |    | Paging Ducker       | Analoc              | In Fader  |                                       | Display      |               | rties      |
|                 |    | Effect              | 8                   |   |                                       | Color        | 102, 102, 102 | j          |
| 3               | 8  | EQ EQ               |                     |   |                                       |              |               | R.         |
| 3               |    | GEQ                 |                     |   | <u>ب</u>                              |              |               | 9          |
| r Sets          |    | PEQ PEQ             |                     |   |                                       |              | i             | )<br>ers   |
| 5               |    | Fader               | 90 m                | ·/  |                                       |              |               |            |
| 77              | 8  | Feedback Suppressor | Fader               | _   |                                       |              |               |            |
| 4               |    | Notch FBS           |                     | 3 00 4 5 00 6   |                                       |              |               |            |
| 5               |    | Pitch Shift FBS     | S ON ON             | ON ON ON ON   | ON ON                                 |              | i i i         |            |
| P               | 8  | Filter              | φ φ                 | φφφφ  | φφ                                    |              |               |            |
| Parame 5 nk Gro |    | BPF                 |                     | . 0 . 0 . 0 . 0<br>. 3 . 3 . 3 . 3<br>. 6 . 6 . 6 . 6 . 6 . 6                                 |                                       | <            |               | _          |
| 5               |    | HPF                 |                     | -9 $-9$ $-9$ $-9$ $-9$ $-9-412$ $-412$ $-412$ $-412-415$ $-415$ $-415$ $-415$                 | · · · · · · · · · · · · · · · · · · · | 🞐 Bird's Eye |               | ×          |
| nki             | i  | LPF                 | 2                   | - 18 - 18 - 18 - 18 - 18<br>- 24 - 24 - 24 - 24<br>- 30 - 30 - 30 - 30<br>- 40 - 40 - 40 - 40 | 1824<br>2424<br>30 30<br>40 40        | Ī            | 1             | ^          |
| Gro             | 8  | Input/Output        |                     | · 50 · 50 · 50 · 50 · 50 · 50 · 50 · 60   | 50<br>60<br>60                        |              |               |            |
| Ga              | E  |                     | 0.00 0.00           | 0.00 0.00 0.00  | 0.00 0.00                             |              |               |            |
| 6               |    | Analog In           |                     |   | ۵ ,                                   |              |               |            |
|                 | i  | Dante In            | ω.                  |   |                                       |              |               |            |
| Group           | L  | Stereo In           | ×, <                |   | , `,                                  | <            |               |            |
|                 |    |                     |                     |   |                                       |              |               |            |

#### 1 Tool buttons

Buttons have been made for the commands frequently used on the MRX7-D (Tool buttons).

#### **②** Components Area

A list of the components is displayed (Components Area).

#### **③ Parameter Sets Area**

Configures the parameter sets and snapshots (Parameter Sets Area).

#### **④** Presets Area

Configures presets (Presets Area). Presets can be recalled from the main unit's front panel.

#### **(5)** Parameter Link Group Area

Creates a parameter link group to link multiple parameters for Level-type or for ON/OFF-type (Parameter Link Group Area).

#### **(6)** Gang Edit Group Area

Creates a gang edit group that links multiple components (Gang Edit Group Area).

#### **⑦ Design Sheet**

This is a sheet for placing and connecting components (Design Sheet).

#### **8** Properties Area

Changes the settings of the selected component, port, or wire (Properties Area).

#### **9** Parameters Area

Displays a list of the components and parameters already placed on the design sheet (Parameters Area).

#### 1 Bird's Eye View

Displays a full view of the sheet.

#### 1 Components

Various signal processing modules such as equalizers and compressors are called "components."

#### Component Editor

Parameters are set or configured in the Component Editor.

## 14.4. Basic Use

Refer to the Basic Use of the DME10/7.

# 14.5. Tool Buttons

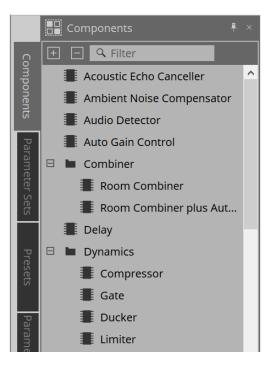
These are shortcut buttons for commands that are used frequently on the MRX7-D.

|      | Components              | ∓ × | Project                       | 🛯 🛱 Tuning      | 01 DME7 | 01 MRX7-D |  |
|------|-------------------------|-----|-------------------------------|-----------------|---------|-----------|--|
| C    | 🛨 🖃 🔍 Filter            |     |                               | 100   200       |         |           |  |
| ompo | Acoustic Echo Canceller | ^   | <b>→</b> <sup>®</sup> Compile | Gang Edit Group |         |           |  |
| n    | Ambient Neise Compone   | ~   |                               |                 |         |           |  |

| Button    | Command     | Overview  |
|-----------|-------------|---|
| Compile   | [Compile]   | Analyzes whether there are any problems with component placement or wiring.   |
| Gang Edit | [Gang Edit] | Turns the Active button in the Gang Edit Group area on<br>or off.<br>When turned on, the name of the currently selected<br>gang edit group is displayed to the right of the button. |

| Button | Command | Overview   |
|--------|---------|--|
|        | [Tools] | <b>[Remote Control Setup List]</b><br>Register the parameters to be controlled from the<br>remote controller.  |
|        |         | <b>[SD Card File Manager]</b><br>Registers files to be played using the SD Card<br>component.  |
|        |         | <b>[Scheduler]</b><br>Presets can be switched at predetermined dates and<br>times, allowing for songs and sound effects stored on<br>an SD memory card to be played back.                                |
|        |         | <b>[GPI]</b><br>By using the GPI I/Os, the MRX7-D series can be<br>remote controlled from a custom made controller or<br>external device.  |
|        |         | <b>[External Events]</b><br>Sets the commands output by the MRX7-D.  |
|        |         | [MCP1]<br>Opens the MCP1 editor that was placed on the Project<br>sheet.   |
|        |         | <b>[Install Speech Privacy File]</b><br>Installs the files related to the Speech Privacy<br>component.   |
|        |         | <b>[Peak Hold]</b><br>If a check is placed next to ON, the maximum value will<br>be maintained in the meter of the placed component.<br>When Reset is selected, the maximum value retention<br>is reset. |
|        |         | <b>[Protect User Defined Block]</b><br>Opens the "Protect User Defined Block" dialog box.<br>Refer to the DME10/7 "Protect User Defined Block."  |

## 14.6. Components Area



For components specific to the MRX7-D, please refer to the omponent editor. For details about components common to other DMEs, refer to the **ProVisionaire Design Component Guide**.

## 14.7. Design Sheet

Refer to the DME10/7 Design Sheet.

## 14.8. Non-Audio Components

Refer to the DME10/7 Non-Audio/Non-Control Components.

## 14.9. Parameter Sets Area

A collection of parameters being stored/recalled in a snapshot is called a parameter set. By storing a snapshot, the current values of parameter set members are saved. A single parameter set can store 10 snapshot patterns.

A single parameter can be registered to multiple parameter sets. Snapshots can be controlled using an external controller by assigning them to the Remote Control Setup List.

Note that snapshots cannot be recalled from the front panel of the main unit (only presets can be recalled). In the Presets area, click on [Recall Settings] to register the snapshot to a preset.

The following methods are available for registering to a parameter set.

| Registration Source | Registration Method   |
|---------------------|---|
| Design Sheet        | While holding the < Ctrl > key down, drag & drop the component into the Parameter Set name.   |
|                     | Right-click on the component and select the parameter set to be registered using [Add to Parameter Set].                              |
| Component Editor    | While holding the < Ctrl > key down, drag & drop the parameter into the Parameter Set name.   |
| Link Control Editor | While holding the < Ctrl > key down, drag & drop the Link Control into the Parameter Set name.  |
| Parameters Area*1   | Drag & drop a component or parameter into the Parameter Set name.   |
|                     | Right-click on the component or parameter and select the parameter set to be registered using [Add to Parameter Set].                 |
| Parameter Sets Area | After selecting the parameter set to register, click the [Add Device] button to register all components placed at that point in time. |

\*1. Multiple components and parameters can be registered to a parameter set simultaneously by pressing < Shift > and < Ctrl > together.

|                                      | 🕂 Param                                    | eter Sets       |             |         |  |  |
|--------------------------------------|--|-----------------|-------------|---------|--|--|
| 0                                    | <b>= =</b>                                 | <b>्</b> Filter |             |         |  |  |
| Components                           | New  | Add Device      | Delete      |         |  |  |
| nents                                | Duplicate                                  | ]               |             |         |  |  |
|                                      | Name                                       | ^               |             |         |  |  |
| Para                                 | 🖯 🚺 Pa                                     | ram. Set        |             |         |  |  |
| Parameter Sets                       |  | Fader [30001] ( | (Component) |         |  |  |
| Sets                                 |  |                 |             |         |  |  |
|                                      |  |                 |             |         |  |  |
| P                                    | Snapshot                                   |                 |             |         |  |  |
| Presets                              | Store                                      | Recall          | Clear       |         |  |  |
| <sup>cn</sup>                        | No.  | Name            | Fade Time   | ^       |  |  |
| P                                    | 01   |                 |             |         |  |  |
| aran                                 | 02   |                 |             |         |  |  |
| lete                                 | 03   |                 |             |         |  |  |
| Ę                                    | 04   |                 |             |         |  |  |
|                                      | 05   |                 |             |         |  |  |
| l k Gr                               | 05   |                 |             | ~       |  |  |
| nk Group                             | 05<br>Snaphot (                            | Group           |             | ~       |  |  |
| nk Group Gar                         |  | Group           | Delete      | ~       |  |  |
| nk Group Gang Ec                     | Snaphot (                                  | <b>1</b>        | Delete      | ~       |  |  |
| nk Group Gang Edit G                 | Snaphot (                                  | Recall          |             | v<br>ne |  |  |
| nk Group Gang Edit Group             | Snaphot (<br>New<br>Duplicate              | Recall          |             | v<br>ne |  |  |
| Parameter Link Group Gang Edit Group | Snaphot (<br>New<br>Duplicate<br>Parameter | Set Snapshot    |             |         |  |  |
| nk Group Gang Edit Group             | Snaphot (<br>New<br>Duplicate<br>Parameter | Set Snapshot    | t Fade Tir  |         |  |  |

For explanations of Parameter Sets and Snapshots, refer to the DME10/7 Parameter Sets Area.

### 14.9.1. Snapshot Group

Multiple snapshots can be registered in a single group and recalled all at once. Snapshot groups can be controlled using an external controller by assigning them to the Remote Control Setup

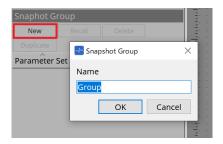
Snapshot groups can be controlled using an external controller by assigning them to the Remote Control Setup List.

Note that snapshot groups cannot be recalled from the front panel of the main unit (only presets can be recalled).

In the Presets area, click on [Recall Settings] to register the snapshot group to a preset.

### 14.9.2. Steps to create a snapshot group

1. Click the [New] button to create a group.



2. Assign snapshots to a Group by using drag & drop.

| Para                                 | Snaps  | hot  |     |        |      |      |         |
|--------------------------------------|--------|------|-----|--------|------|------|---------|
| ame                                  |        |      | -   | -      | -    | -    | _       |
| ter L                                | Stor   | e    | R   | ecall  | Cl   | ear  |         |
| Parameter Link Group Gang Edit Group | No.    | Nan  | ne  | Fade   | Time |      |         |
| rou                                  | 01     | Snap | osh | 0:00:0 | 0.00 |      |         |
| o<br>o                               | 02     | Snap | osh | 0:00:0 | 0.00 |      |         |
| ian                                  | 03     |      |     |        |      |      |         |
| g E                                  | 04     |      |     |        |      |      |         |
| dit                                  | 05     |      |     |        |      |      |         |
| Gro                                  | 06     |      |     |        |      |      |         |
| Ъ                                    | 07     |      |     |        |      |      |         |
|                                      | 08     |      |     |        |      |      |         |
|                                      | 09     |      |     |        |      |      |         |
|                                      | 10     |      |     |        |      |      |         |
|                                      |        |      |     |        |      |      |         |
|                                      | Snaph  | ot G | bup |        |      |      |         |
|                                      | Nev    | v    | R   |        | De   | lete |         |
|                                      | Duplic | ate  |     |        |      |      |         |
|                                      | Param  | eter | τ.  | Snapsh | ot   | Fac  | le Time |
|                                      | -      | Gro  | up  |        |      |      |         |
|                                      |        |      |     |        |      |      |         |
|                                      |        |      |     |        |      |      |         |
|                                      |        |      |     |        |      |      |         |
|                                      |        |      |     |        |      |      |         |

Unstored snapshots can also be assigned.

### <sup>3.</sup> Rearrange the order of the snapshots as needed.

Snapshots registered in a Group are recalled in order from the top.

By right-clicking a snapshot, the context menu will be displayed, which allows you to rearrange the order of the snapshots.

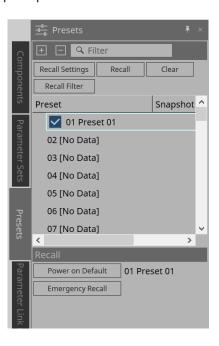
| Menu   | Details                                     |
|--------|---|
| Delete | Deletes the selected snapshot.              |
| Up     | Moves the selected snapshot up one level.   |
| Down   | Moves the selected snapshot down one level. |

If you want to delete a Group or snapshot, select the Group or snapshot and click the [Delete] button. You can also delete by using the computer's Delete key, or selecting [Delete] from the context menu.

## 14.10. Presets Area

Snapshots and snapshot groups cannot be recalled directly from the front panel of the main unit.

Presets can be recalled from the front panel of the main unit. Register snapshots and snapshot groups to presets.



### Snapshot

The snapshots associated with the preset will be displayed in the [Recall Settings] dialog.

• Enable Scheduler

When this is on and the preset is recalled, the scheduler function will be enabled. Click the icon to turn this on/off.



When the scheduler function is disabled, the [SCHEDULER] indicator on the main unit will flash rapidly when an event is occurring.

• Filter

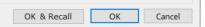
In the Recall Filter dialog, if even one part has been set that will not recalled, a P will be displayed.

#### 14.10.1. Procedure

- 1. Select a preset.
- 2. Click the [Recall Settings] button.

| Setting (01 )             |                    |          |          |           |          |          |          |
|---------------------------|--------------------|----------|----------|-----------|----------|----------|----------|
| ame                       |                    |          |          |           |          |          |          |
| reset 01                  |                    |          |          |           |          |          |          |
| Snapshot / S              | napshot Gro        | up       |          |           |          |          |          |
| No Assign                 | ,                  | ~        |          |           |          |          |          |
|                           |                    |          |          |           |          |          |          |
|                           |                    |          |          |           |          |          |          |
|                           |                    |          |          |           |          |          |          |
| DCP Library               | External           | Event    |          |           |          |          |          |
| No Assign                 | No Ass             | ian v    |          |           |          |          |          |
|                           | NO ASS             | ngri     |          |           |          |          |          |
| GPI Out                   |                    |          |          |           |          |          |          |
| 1                         | 2                  | 3        | 4        | 5         | 6        | 7        | 8        |
| Active                    | Active             | Active   | Active   | Active    | Active   | Active   | Active   |
| Inactive                  | Inactive           | Inactive | Inactive | Inactive  | Inactive | Inactive | Inactive |
| Ignore                    | Ignore             | Ignore   | Ignore   | Ignore    | Ignore   | Ignore   | Ignore   |
| SD Song Select            | t & Plav           |          |          |           |          |          |          |
| No Assign                 | -                  |          |          |           |          |          |          |
| <ul> <li>Pause</li> </ul> |                    |          |          |           |          |          |          |
| <ul> <li>Play</li> </ul>  |                    |          |          |           |          |          |          |
|                           |                    |          |          |           |          |          | 1        |
|                           |                    |          | SD Card  | File List |          |          |          |
| 001 [No                   | Assign]<br>Assign] |          |          |           |          |          | ^        |
| _                         | Assign]            |          |          |           |          |          | <u>_</u> |
| 0.004 (51)                | A 1 7              |          |          |           |          |          | ~        |
|                           |                    |          |          |           |          |          |          |
|                           |                    |          |          |           |          |          |          |

3. In the Recall Settings dialog, select the Snapshot or Snapshot Group Recall to be assigned to the preset in Snapshot/Snapshot Group.



#### • [OK & Recall] Button

Confirms the current settings, performs a Recall, and closes the dialog.

#### ' [OK] Button

Confirms the settings and closes the dialog.

#### • [Cancel] Button

Discards the changes and closes the dialog.

For GPI Out and SD Song Select & Play, refer to the DME10/7 Recall Settings dialog.

For an explanation of Recall, refer to the DME10/7 Parameter Sets Area.

|          | Recall           |              |
|----------|------------------|--------------|
| Para     | Power on Default | 01 Preset 01 |
| arameter | Emergency Recall |              |
| ter l    |                  |              |
| ink      |                  |              |

#### How to collectively recall all parameters of the MRX7-D

To collectively recall all parameters of the MRX7-D, register a snapshot of ParameterSets configured on the MRX7-D device to the presets.



- 1. Create ParameterSets.
- 2. Register the MRX7-D using Add Device.
- 3. Create a snapshot.
- 4. Register the snapshot created in step 3 to the presets.

## 14.11. Parameter Link Group Area

Creates a parameter link group to link multiple parameters for Level-type or for ON/OFF-type. A single parameter can be registered in multiple parameter link groups. The created parameter link group can be used in Snapshot, Scheduler, GPI, DCP, MCP1, or the Remote Control Setup List. Level-type and ON/OFF-type cannot be mixed in a single parameter link group. Up to 64 parameter link groups can be created.

The following methods are available for registering to a parameter link group.

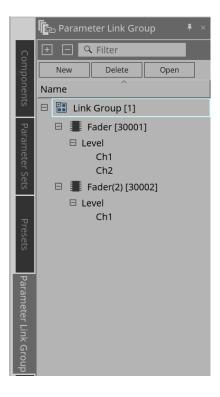
### [Parameter]

| Registration Source | Registration Method   |
|---------------------|---|
| Component Editor    | While holding the <ctrl> key down, drag &amp; drop the parameter into the parameter link group in the Parameter Link Group area.</ctrl> |
|                     | Right-click the parameter and select the parameter link group to register in [Add to Parameter Link Group].                             |
| Parameters Area*1   | Drag & drop the parameter into the parameter link group in the Parameter Link Group area.   |
|                     | Right-click the parameter and select the parameter link group to register in [Add to Parameter Link Group].                             |

\*1. Multiple parameters can be registered to a parameter link group simultaneously by pressing < Shift > and < Ctrl > together.



Pressing any letter key while selecting a parameter link group or other item in the Parameter Link Group area will select the parameter link group or other item with the matching first letter.



#### ' [New] Button

Creates a parameter link group.

#### • [Delete] Button

Deletes the selected parameter link group or parameter.

#### • [Open] Button

Displays the Link Control editor for the selected parameter link group.

### 14.11.1. Link Control Editor

There is a link control for each parameter link group. When a link control is changed, the parameters registered in the parameter link group are also changed at the same time.

Even if the parameters registered in the parameter link group are changed, the link control parameters do not change.

Link control can be assigned to GPI/DCP/Remote Control Setup List/Parameter Link Group/MCP1.

The name of the parameter link group is displayed in the title bar.

| Level-type                       | ON/OFF-type                    |
|----------------------------------|--------------------------------|
| 🔁 Link Group [1] 🛛 — 🗌 🗙         | 🔁 Link Group(2) [2] — 🗆 🗙      |
| Active                           | Active                         |
| Absolute                         | Equal V ON                     |
|                                  | Match Value                    |
|                                  | MTX:mem_Link:512/1/linkValue 🗘 |
| Match Value 0.00dB               |                                |
| MTX:mem_Link:512/0/linkEnabled 🗘 |                                |

• Fader (level-type only)

Sets values for level-type parameters.

• [ON] Button (ON/OFF-type only) Sets values for on/off-type parameters.

#### • [Match Values] Button

If [Absolute] or [Equal] is selected in the combo box, the value of the registered parameter will be the same as the value of the link control.

#### • [Active] Button

If this is on, the parameter link group is enabled. Turn this off if you want to temporarily disable the link.

#### Combo Box

Set how the level-type and ON/OFF-type settings are applied.

| [Absolute]/[Equal]    | Sets the value of the registered parameter to the same value as the link control.                                  |
|-----------------------|--|
| [Relative]/[Opposite] | When you operate the link control, the registered parameters will move while maintaining their relative positions. |

## 14.12. Gang Edit Group Area

Creates a gang edit group that links multiple components.

Parameters for components of the same type within a group can be changed at the same time. Because this can be done even while online, you can use it to make final adjustments to the Speaker Processor (or others) while

listening to the sound at the actual location.

When you open the component editor for one of the components you want to change, it becomes a link control

and you can configure other linked components.

Up to 64 gang edit groups can be created.

The following methods are available to register to the Gang Edit Group.

| Registration Source | Registration Method   |
|---------------------|---|
| Design Sheet        | While holding the < Ctrl > key down, drag & drop the component into the gang edit group name.   |
|                     | Right-click on the component and select the gang edit group to be registered using [Add to Gang Edit Group].  |
| Parameters Area*1   | Drag & drop the component into the gang edit group name.<br>Right-click on the component and select the gang edit group to be<br>registered using [Add to Gang Edit Group]. |

\*1. Multiple components can be registered to a gang edit group simultaneously by pressing < Shift > and < Ctrl > together.

|                                      | Gang E  | dit Group                              |        |  |
|--------------------------------------|---------|--|--------|--|
| C                                    | + - •   | <b>K</b> Filter                        |        |  |
| Components Parameter Sets            | Active  | New                                    | Delete |  |
| onen                                 | Name    | ^                                      |        |  |
| 5<br>S                               | 🗉 🔡 Gro | ир                                     |        |  |
| Par                                  |         | PEQ                                    |        |  |
| ame                                  |         | Paramete                               | rs     |  |
| ter S                                | E       |  |        |  |
| Sets                                 |         | ✓ 1<br>✓ 2                             |        |  |
|                                      | E       | Freq                                   |        |  |
| Presets                              |         | ✓ 1<br>✓ 2                             |        |  |
| sets                                 | E       |  |        |  |
|                                      |         | Gain<br>✓ 1<br>✓ 2<br>✓ On<br>Q<br>✓ 1 |        |  |
| Par                                  |         | ⊻ ∠<br>✓ On                            |        |  |
| ame.                                 | E       | Q                                      |        |  |
| ter l                                |         | ✓ 1<br>✓ 2                             |        |  |
| .ink (                               | E       | Туре                                   |        |  |
| Grou                                 |         | ✓ 1<br>✓ 2                             |        |  |
| ام<br>م                              | E       | ⊻ 2<br>■ PEQ [3000                     | וכר    |  |
| ang                                  |         | E 1 EQ [5000                           | 22]    |  |
| Edit                                 |         |  |        |  |
| Parameter Link Group Gang Edit Group |         |  |        |  |
|                                      |         |  |        |  |

### • [Active] Button

Enables/disables the gang edit group function. Applies to the currently selected group.

• [New] Button

Creates a gang edit group.

\* [Delete] Button

Deletes the selected gang edit group or component.

· [Parameters]

Put a check in the checkbox for the parameter to be linked.

### 14.12.1. Procedure

- 1. Click the [New] button to create a group.
- 2. While holding the < Ctrl > key down, drag & drop the component on the sheet into the group name. Or drag & drop the component from the Parameters area. Linking only works with components of the same type, but multiple types of components can be registered.
- 3. Uncheck the parameters you do not want to link.
- 4. Turn the [Active] button or the [Gang Edit] button in the toolbar ON.
- 5. **Double-click a component on any sheet registered in the gang edit group.** The component editor will be displayed.
- 6. Change the parameters in the component editor. The parameters for components of the same type that belong to the gang edit group will be changed in tandem.
- 7. If the [Active] button or the [Gang Edit] button in the toolbar are turned OFF, linking will be disabled.

## 14.13. Properties Area

Changes the settings of the currently selected component, port, or wire.

| A Properties     | ŧ                      | ×   |            |
|------------------|------------------------|-----|------------|
| ± =              | Bave St                | yle |            |
| Property         | Value                  | ^   | Properties |
| Component        |                        |     | ertie      |
| Туре             | Fader                  |     |            |
| Form             | 8Ch 🛄                  |     |            |
| Label            | Fader                  |     | Par        |
| ID               | 30001                  |     | ame        |
| Display          |                        |     | Parameters |
| 🗆 Font           | A [Noto Sans, 12]      |     |            |
| Name             | Noto Sans              |     |            |
| Size             | 12                     |     |            |
| Bold             | False                  |     |            |
| Italic           | False                  |     |            |
| Strikeout        | False                  |     |            |
| Underline        | False                  |     |            |
| Font Color       | 255, 255, 255, 255     |     |            |
| Background Col   | 255, 104, 208, 208     |     |            |
| Foreground Color | 255, 104, 208, 208     |     |            |
| Border Color     | 255, 104, 208, 208     |     |            |
| Brush Style      | SimpleGradientVertical | ~   |            |
| <                | >                      |     |            |

#### <sup>•</sup> Component

Click the me that is displayed when you click the "Form" value. A dialog is displayed that allows you to change the number of channels for the component.



When MY4-AEC or MY8-AE96S is selected for the Slot component, you can edit the Sampling Rate Converter. For details, refer to the Sampling Rate Converter dialog box of the MTX5-D.

#### ' Port

Click the me that is displayed when you click the "Label" value. A dialog is displayed that allows you to edit the labels of all the component ports at once.

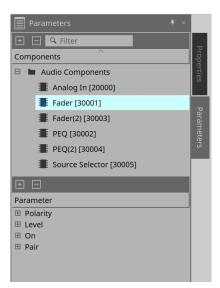
| 😝 Port Label                         |            |     |            | × |
|--------------------------------------|------------|-----|------------|---|
| Fader                                |            |     |            |   |
| IN                                   | Port Label | OUT | Port Label |   |
| 1                                    |            | 1   |            |   |
| 2                                    |            | 2   |            |   |
| 3                                    |            | 3   |            |   |
| 4                                    |            | 4   |            |   |
| Set Default Name All Clear OK Cancel |            |     |            |   |

For details, refer to Port Label dialog.

## 14.14. Parameters Area

Displays information about the component currently selected on the design sheet.

The parameters of the component currently selected in the upper area are listed in the lower area. From this area, you can assign components and parameters to parameter sets, remote control setup lists, GPI dialogs, DCP components, and the MCP1 editor. For assignment methods, refer to the explanation for each screen.



## 14.15. Context Menu

Refer to the DME10/7 Context Menu.

## 14.16. Dialog

### 14.16.1. Compile Dialog

Click the tool button [Compile] on the device sheet to open this dialog.

Analyzes whether there are any problems with the placement or wiring of the MRX7-D components. It can also check resource consumption, etc.

| Comm  | ile Cussessful                     |                                    | 2 |
|---|------------------------------------|------------------------------------|---|
| Comp  | ile Successful.                    |                                    |   |
| Device Informa  | tion                               |                                    |   |
| Unit ID   | 01                                 |                                    |   |
| Model   | MRX7-D                             |                                    |   |
| Device Name   | MRX7-D                             |                                    |   |
| DSP   |                                    |                                    |   |
| 001   |                                    |                                    |   |
| Processing  |                                    | 15%                                |   |
| Processing<br>Memory  |                                    | 15%<br>0%                          |   |
|   |                                    |                                    |   |
| Memory  | ۱S                                 | 0%                                 |   |
| Memory<br>Connection  | is<br>1kHz)                        | 0%<br>0K                           |   |
| Memory<br>Connection<br>Latency(44.                               | ıs<br>1kHz)<br>kHz)                | 0%<br>OK<br>0.00ms                 |   |
| Memory<br>Connection<br>Latency(44<br>Latency(48                  | is<br>.1kHz)<br>kHz)<br>rce1 Usage | 0%<br>OK<br>0.00ms<br>0.00ms       |   |
| Memory<br>Connection<br>Latency(44<br>Latency(48<br>System Resour | is<br>.1kHz)<br>kHz)<br>rce1 Usage | 0%<br>OK<br>0.00ms<br>0.00ms<br>1% |   |

#### ()/Message

Displays whether the compile action was successful or failed. If it was successful, the message "Completed normally." is displayed. If it failed, a message saying "Compile failed" is displayed.

#### • 🕐 Button

Click to display the method for resolving the problem.

#### ' [Result]

Displays the compiled results. The MRX-7D can go online only when the compile has succeeded. For each item, check the Information that opens when you click on ?.

## 14.16.2. Remote Control Setup List Dialog

Click [Remote Control Setup List] from the [Tools] button in the device sheet to open this dialog.

The MRX7-D can be controlled from an external device using the Dante [PRIMARY]/[SECONDARY] terminal or the [RS-232C] terminal.

To control or monitor from an external device, parameters, meters, snapshots, and snapshot groups must be registered in the Remote Control Setup List.



Configure the external device according to the "MTX3 MTX5-D MRX7-D XMV Series EXi8 EXo8 Remote Control Protocol Specifications."

#### • Remote Setup Tab

| Remo | ote Setup | Exte    | ernal Event         |                  |                      |     |         |             |        |     |
|------|-----------|---------|---------------------|------------------|----------------------|-----|---------|-------------|--------|-----|
|      |           |         |                     |                  |                      |     |         | 14 44       | 1 🕨 🕨  | ) = |
| No.  | Functio   | on      | <ctrl>+drag-</ctrl> | and-drop compone | ent/parameter/meter. | Min | Max     | Туре        | Cmp ID |     |
| 1    | Parame    | eter    | Fader_Polarit       | y/Ch1            |                      | OFF | ON      | Fader_8Ch   | 30001  |     |
| 2    | Parame    | eter    | Fader_Polarit       | y/Ch2            |                      | OFF | ON      | Fader_8Ch   | 30001  |     |
| 3    | Parame    | eter    | Fader_Polarit       | y/Ch3            |                      | OFF | ON      | Fader_8Ch   | 30001  |     |
| 4    | Parame    | eter    | Fader_Polarit       | y/Ch4            |                      | OFF | ON      | Fader_8Ch   | 30001  |     |
| 5    | Parame    | eter    | Fader_Polarit       | y/Ch5            |                      | OFF | ON      | Fader_8Ch   | 30001  |     |
| 6    | Parame    | eter    | Fader_Polarit       | y/Ch6            |                      | OFF | ON      | Fader_8Ch   | 30001  |     |
| 7    | Parame    | eter    | Fader_Polarit       | y/Ch7            |                      | OFF | ON      | Fader_8Ch   | 30001  |     |
| 8    | Parame    | eter    | Fader_Polarit       | y/Ch8            |                      | OFF | ON      | Fader_8Ch   | 30001  |     |
| 9    | Parame    | eter    | Fader_Level/0       | Ch1              |                      | -00 | 10.00dB | Fader_8Ch   | 30001  |     |
| 10   | Parame    | eter    | Fader_Level/0       | Ch2              |                      | -00 | 10.00dB | Fader_8Ch   | 30001  |     |
| 11   | Parame    | eter    | Fader_Level/0       | Ch3              |                      | -00 | 10.00dB | Fader_8Ch   | 30001  |     |
| 12   | Parame    | eter    | Fader_Level/0       | Th4              |                      | -00 | 10.00dB | Fader_8Ch   | 30001  |     |
| 13   | Parame    | eter    | Fader_Level/0       | Ch5              |                      | -00 | 10.00dB | Fader_8Ch   | 30001  |     |
| 14   | Parame    | eter    | Fader_Level/0       | Ch6              |                      | -00 | 10.00dB | Fader_8Ch   | 30001  |     |
| <    |           |         |                     |                  |                      |     |         |             |        | >   |
| Cle  | ear (     | Clear A | II                  | Transfer         | Search               |     | String  | Display Num | neric  |     |

Two methods are available for registering to the list.

| Registration Source                           | Registration Method  |
|---|--|
| Design Sheet                                  | While holding the < Ctrl > key down, drag & drop the component into the list.  |
|   | Right-click the component and select [Add to Remote Control List].   |
| Component Editor/<br>Parameter Setting Window | [Parameters]<br>While holding the < Ctrl > key down, drag & drop the parameter into<br>the list.<br>Right-click the parameter and select [Add to Remote Control List]. |
|   | [Components]<br>Right-click a location outside the parameter and select [Add to<br>Remote Control List].   |
| Parameters Area*1                             | Drag & drop components or parameters into the list.<br>Right-click a component or parameter and select [Add to Remote<br>Control List].                                |
| Parameter Sets Area                           | Drag & drop snapshots into the list.<br>Drag & drop snapshot groups into the list.   |

| Registration Source         | Registration Method  |
|-----------------------------|--|
| Parameter Link Group Editor | While holding the < Ctrl > key down, drag & drop LINK Control into the green area. |

\*1. Multiple components and parameters can be registered to the list simultaneously by pressing < Shift > and < Ctrl > together.

#### • [Function]

Displays the types of items registered in the list.

- [< Ctrl >+drag-and-drop component/parameter/meter.] Displays the items registered in the list.
- [Type]

Displays the type of component that has parameters registered in the list.

· [Cmp ID]

Displays the ID of a component that has parameters registered in the list.

· [MIN]/[MAX]

Displays the upper and lower limits and selection range for the parameters registered in the list. In the case of Level-type parameters for which a Min/

Max value can be configured, clicking this will open a dialog box where you can specify the range.

#### \* Transfer Button

Starts the File Transfer application, which is used to send files to ProVisionaire Touch.

For other functions, refer to the DME10/7 Remote Control Setup List dialog.

#### External Event Tab

| Remot | te Setup | External Event |
|-------|----------|----------------|
| lo.   | Туре     | Event          |
| 1101  | OnOff    | 01 Event 001   |
| 1102  | OnOff    | 02 Event 002   |
| 1103  | OnOff    | 03 Event 003   |
| 1104  | OnOff    | 04 Event 004   |
| 105   | OnOff    | 05 Event 005   |
| 106   | OnOff    | 06 Event 006   |
| 107   | OnOff    | 07 Event 007   |
| 108   | OnOff    | 08 Event 008   |
| 109   | OnOff    | 09 Event 009   |
| 110   | OnOff    | 10 Event 010   |
| 111   | OnOff    | 11 Event 011   |
| 1112  | OnOff    | 12 Event 012   |
| 1113  | OnOff    | 13 Event 013   |
| 1114  | OnOff    | 14 Event 014   |
| 1115  | OnOff    | 15 Event 015   |
| 1116  | OnOff    | 16 Event 016   |
| 1117  | OnOff    | 17 Event 017   |
| 1118  | OnOff    | 18 Event 018   |

External Events are registered under the initial state of the list.

For details about External Events, refer to the MTX5-D/MTX3 External Events dialog.

## 14.16.3. File Transfer Application

Click the Transfer button in the Remote Control Setup List dialog to open this dialog.

| ➡ File Transfer - D0098570.home.yamaha.com - 0.0.0.0 |         | -          |        | $\times$ |
|--|---------|------------|--------|----------|
| System   |         |            |        |          |
| Select a file to transfer                            |         |            |        |          |
| Path:  |         |            | $\sim$ |          |
|  |         |            |        |          |
| Destinations Search                                  |         |            |        |          |
| Host   | Service | IP Address |        |          |
|  |         |            |        |          |
|  |         |            |        |          |
|  |         |            |        |          |
|  |         |            |        |          |
|  |         |            |        |          |
|  |         |            |        |          |
|  |         |            |        |          |
|  |         |            |        |          |
| Send   |         |            |        |          |
| Jenu -   |         |            | Clos   | se       |

This transfers the exported .rcsl file, PDF file, image file, etc. to an iPad on the same network that has ProVisionaire Touch (V1.2 or later) installed.

Before transferring, start ProVisionaire Touch and confirm that it is displayed on the screen. If no network adapter has been selected, the [Network Setup] dialog will be displayed for you to select a network adapter.

The file extensions that ProVisionaire Touch can receive are as follows.

.rcsl, .pdf, .jpg, .jpeg, .bmp, .png, .pvt, .ypvt, .ypvk

.pvt, .ypvt, and .ypvk files are saved in the Provisionaire Touch file folder.

.rcsl files can be used by registering the MRX7-D as a device with Provisionaire Touch.

• System Menu

Launch the Network Setup dialog from the Network Setup command.

\* Select a file to transfer

Selects the file to be sent. Clicking the button on the right side displays the Open File dialog, which allows you to select a file.

Destinations

Select the transfer destination iPad. If you don't see the transfer destination iPad, press the [Search] button to search your network. The [Search] button is enabled when a file to be transferred has been selected.

' [Send] Button

Sends the selected file(s) to the selected iPad.

· [Close] Button

Closes the File Transfer application.

### 14.16.4. SD Card File Manager Dialog

Click the [Tools] button on the device sheet and then click [SD Card File Manager] to open this dialog. Refer to the DME10/7 SD Card File Manager dialog.

### 14.16.5. Scheduler Dialog

Click the [Tools] button on the device sheet and then click [Scheduler] to open this dialog. Refer to the MTX5-D/MTX3 Scheduler dialog.

### 14.16.6. GPI Dialog

Click the [Tools] button on the device sheet and then click [GPI] to open this dialog. Refer to the DME10/7 GPI dialog.



The MRX7-D does not have GPI settings on the control layer. The MRX7-D does not have a Control Type: Direct Parameter Value setting.

The following methods are available for registering parameters, snapshots, snapshot groups, and presets.

| Registration Source         | Registration Method   |
|-----------------------------|---|
| Parameter Sets Area         | Drag & drop snapshots and snapshot groups into the green area.                      |
| Presets Area                | Drag & drop presets into the green area.  |
| Component Editor            | While holding the < Ctrl > key down, drag & drop the parameter into the green area. |
| Parameters Area             | Drag & drop the parameter into the green area.                                      |
| Parameter Link Group Editor | While holding the < Ctrl > key down, drag & drop LINK Control into the green area.  |

### 14.16.7. External Events Dialog

Click the [Tools] button on the device sheet and then click [External Events] to open this dialog.

|     | 🗎 Project 🛛 🕅 🛱 Tuning 🛛 🕻 |  |    |    |    |      |    | 0 | 01 MRX7-D |    |    |   |     |     |      |    | I              |    |     |    |    |   |   |     |    |    |        |    |                             |
|-----|----------------------------|--|----|----|----|------|----|---|-----------|----|----|---|-----|-----|------|----|----------------|----|-----|----|----|---|---|-----|----|----|--------|----|-----------------------------|
| 0   | u I                        |  | c. | d. |    |      | b. | Ц | 10        | 00 |    | ц | Lu  | h.J | . Ju | L. | <mark>2</mark> | 00 | 1,1 | d. | d, | ь | ы | 1,1 | J. | 00 | )<br>1 | Li |                             |
|     | •                          |  | C  |    | np | oile |    |   | [         | Ga | ng |   | dit |     |      |    |                |    |     |    |    |   |   |     |    |    |        | [  |                             |
|     |                            |  |    |    |    |      |    | ÷ |           |    |    |   |     |     |      |    |                |    |     |    |    |   |   |     |    |    | e i    |    | Remote Control Setup List   |
| 1   |                            |  |    |    |    |      |    |   |           |    |    |   |     |     |      |    |                |    |     |    |    |   |   |     |    |    |        |    | SD Card File Manager        |
| 1   |                            |  |    |    |    |      |    |   |           |    |    |   |     |     |      |    |                |    |     |    |    |   |   |     |    |    |        |    | Scheduler                   |
| 100 |                            |  |    |    |    |      |    |   |           |    |    |   |     |     |      |    |                |    |     |    |    |   |   |     |    |    |        |    | GPI ,                       |
| -   |                            |  |    |    |    |      |    |   |           |    |    |   |     |     |      |    |                |    |     |    |    |   |   |     |    |    |        |    | External Events             |
|     |                            |  |    |    |    |      |    |   |           |    |    |   |     |     |      |    |                |    |     |    |    |   |   |     |    |    |        |    | Install Speech Privacy File |
| -   |                            |  |    |    |    |      |    |   |           |    |    |   |     |     |      |    |                |    |     |    |    |   |   |     |    |    |        |    | Peak Hold                   |

Refer to the MTX5-D/MTX3 External Events dialog.

### 14.16.8. Install Speech Privacy File Dialog

Click the [Tools] button on the device sheet and then click [Install Speech Privacy File] to open this dialog. Installs the files related to the Speech Privacy component to the MRX7-D.

Once the installation is complete, the MRX7-D will restart.

| 😫 Install Speech Privacy F                         | le  |             | × |  |  |  |  |  |  |
|--|-----|-------------|---|--|--|--|--|--|--|
|  |     |             |   |  |  |  |  |  |  |
| Environmental Sound                                |     |             |   |  |  |  |  |  |  |
| 1  | ۱.  | Forest      |   |  |  |  |  |  |  |
|  |     | Seashore    |   |  |  |  |  |  |  |
| (  |     | Street      |   |  |  |  |  |  |  |
| I I I I I I I I I I I I I I I I I I I              |     | Building    |   |  |  |  |  |  |  |
| Speech Privacy Audio F<br>Please go offline to sen |     |             |   |  |  |  |  |  |  |
|  | Ins | tall Cancel |   |  |  |  |  |  |  |

#### • [Install] Button

Starts the installation of files to the MRX7-D.

#### • [Cancel] Button

Closes the dialog without installing any files.

## 14.17. Component Editor

This section explains the component editor specific to the MRX7-D. For details about components common to other DMEs, refer to the "ProVisionaire Design Component Guide".

#### List of MRX7-D components

| "Components" area folder<br>Folder | component name   | Link                                       |
|------------------------------------|--|--|
|                                    | Acoustic Echo Canceller                                  | "Acoustic Echo Canceller" Component Editor |
|                                    | Ambient Noise Compensator                                | "ProVisionaire Design Component Guide"     |
|                                    | Audio Detector   | "ProVisionaire Design Component Guide"     |
|                                    | Auto Gain Control  | "ProVisionaire Design Component Guide"     |
| Combiner                           | Room Combiner<br>Room Combiner plus<br>Automixer         | "ProVisionaire Design Component Guide"     |
|                                    | Delay  | "ProVisionaire Design Component Guide"     |
| Dynamics                           | Compressor<br>Gate<br>Ducker<br>Limiter<br>Paging Ducker | "ProVisionaire Design Component Guide"     |
|                                    | Effect   | "Effect" Component Editor                  |
| EQ                                 | GEQ<br>PEQ   | "ProVisionaire Design Component Guide"     |
|                                    | Fader  | "ProVisionaire Design Component Guide"     |
| Feedback Suppressor                | Notch FBS<br>Pitch Shift FBS                             | "ProVisionaire Design Component Guide"     |
| Filter                             | BPF<br>HPF<br>LPF  | "ProVisionaire Design Component Guide"     |

| "Components" area folder<br>Folder | component name  | Link  |  |  |  |  |  |
|------------------------------------|---|---|--|--|--|--|--|
| Input/Output                       | Analog In   | "Analog In" Component Editor                              |  |  |  |  |  |
|                                    | Dante In  | "ProVisionaire Design Component Guide"                    |  |  |  |  |  |
|                                    | Stereo In   |   |  |  |  |  |  |
|                                    | YDIF In   |   |  |  |  |  |  |
|                                    | Analog Out  | "Analog Out" Component Editor                             |  |  |  |  |  |
|                                    | Dante Out   | "ProVisionaire Design Component Guide"                    |  |  |  |  |  |
|                                    | YDIF Out  |   |  |  |  |  |  |
|                                    | SD Card   | "ProVisionaire Design Component Guide"                    |  |  |  |  |  |
|                                    | Slot  | "Slot In" Component Editor<br>"Slot Out" Component Editor |  |  |  |  |  |
|                                    | Meter   | "ProVisionaire Design Component Guide"                    |  |  |  |  |  |
| Mixer                              | Dalay Matrix<br>Dugan Automixer<br>Matrix Mixer<br>Summer | "ProVisionaire Design Component Guide"                    |  |  |  |  |  |
|                                    | Oscillator  | "ProVisionaire Design Component Guide"                    |  |  |  |  |  |
|                                    | Paging  | "Workflow for paging settings"                            |  |  |  |  |  |
|                                    | Polarity  | "ProVisionaire Design Component Guide"                    |  |  |  |  |  |
|                                    | Router  | "ProVisionaire Design Component Guide"                    |  |  |  |  |  |
|                                    | Source Selector   | "ProVisionaire Design Component Guide"                    |  |  |  |  |  |
|                                    | Speaker Processor   | "ProVisionaire Design Component Guide"                    |  |  |  |  |  |
|                                    | Speech Privacy  | "Speech Privacy" Component Editor                         |  |  |  |  |  |

### 14.17.1. Acoustic Echo Canceller Component Editor

Acoustic Echo Canceller (AEC) is a function that eliminates echoes caused by speaker reflections and wall reflections (acoustic echoes), as well as constant noise from air conditioners, etc., all of which are problems during teleconferences. By delivering clear audio that eliminates echoes and noise to the other party, smooth

conversations can be achieved during the teleconference. Note that to eliminate the acoustic echo generated on the other party's side, a system with an acoustic echo

canceller function must also be installed at their end. Each MRX7-D can be equipped with AECs for up to 8 channels.

The following delay amount is added to the signal path where the AEC component has been placed.

When the word clock is 44.1kHz: 26.17msec

When the word clock is 48kHz: 24.02msec



The AEC inputs are as follows, from top to bottom.

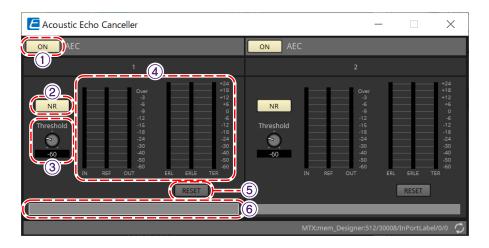
- MicIn 1: Input from microphone
- Micln 2: Input from microphone
- **Reference**: Input of a signal that you do not want to send to a remote location (a signal to be considered an echo and removed) (e.g., Codec In)



Micln 1 and Micln 2 should be inputs from microphones in the same conference room.

#### AEC Editor

This configures the AEC-related settings. The left side of the screen is for settings related to the microphone connected to Micln 1, and the right side of the screen is for settings for the microphone connected to Micln 2.



#### ① AEC [ON] Button

Enables or disables the AEC function.

#### 2 [NR] Button

Turns the noise reduction function on/off, to eliminate constant noise from nearby projectors, air conditioners, etc. It is recommended that this normally be turned on.

#### 3 [THRESHOLD] Knob

When using noise reduction, any noise that exceeds the Threshold level is attenuated to the level set as the Threshold.

#### **④ Level Meter**

Displays the information related to input/output and acoustic echo.

#### · [IN] Level Meter

Displays the input level from the microphone.

#### ' [REF] Level Meter

Displays the input level from Reference.

#### ' [OUT] Level Meter

Displays the output level from the AEC.

#### ' [ERL] Level Meter

Displays the ratio between the Reference input and the Amount of echo included in the microphone input as estimated by the AEC.

A good installation environment is one in which ERL (Echo Return Loss) is between 0 dB and -16 dB. If it is greater than 0 dB, the input level of the microphone may be too high or the microphone and speaker may be too close. If it is lower than -16 dB, the microphone's input level may be too low.

#### ' [ERLE] Level Meter

Displays the amount (in dB) of acoustic echo that the AEC has removed from the microphone input as a result of learning. If the echo is removed correctly, a negative value will be displayed.

#### \* [TER] Level Meter

Displays the amount (in dB) of acoustic echo ultimately removed.

#### **(5)** [RESET] Button

The information learned by AEC is resent when this is clicked.

#### **6** Port Text Box

Displays the port name. The name can be changed by double-clicking.

## 14.17.2. [Effect] Component Editor



#### ① EFFECT [ON] Button

Enables or disables the effect function.

#### ② Effect Type List Box

Selects the effect type. There are four types that can be selected.

#### · Reverb Hall

This is a reverb that simulates a large space such as a concert hall.

#### Reverb Stage

This is a reverb that simulates a wide stage.

#### • Karaoke Echo

This is a microphone echo intended for use in karaoke.

#### • Vocal Echo

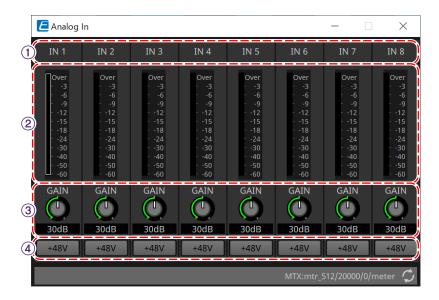
This is an echo that is designed specifically for vocals and is intended for use on stage.

#### **③ Effect Parameter Knob**

Adjusts one effect parameter. If the effect type is Reverb, this will be [REVERB TIME], and if it is Echo, this will be [DELAY TIME].

## 14.17.3. Analog In Component Editor

Displays settings related to the HA (head amp) for the [INPUT] terminal and the level of the input audio signal.



#### ① Channel Index

Displays the analog input terminal number.

#### 2 Level Meter

Displays the analog input level.

#### 3 [GAIN] Knob

Adjusts the HA (head amp) analog gain.

#### ④ [+48V] Button

Switches the HA phantom power supply (+48 V) ON and OFF.

# 

If the phantom power supply is not required, turn this button OFF.

If the phantom power supply is turned ON, please note the following to prevent damage or noise to the main device/external devices.

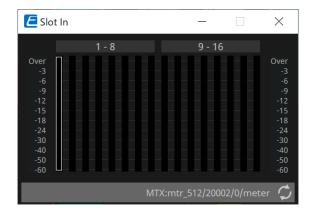
• When connecting a device that is not phantom power compatible to an [INPUT] terminal, turn the button OFF.

• Do not disconnect cables from the [INPUT] terminal while the power button is still ON.

• Set the output level to its lowest level when turning the phantom power supply off or on. There is no +48 V Active switch. Use settings that match the connected equipment to avoid damage.

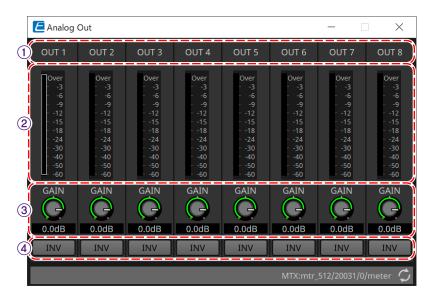
## 14.17.4. Slot In Component Editor

Displays the audio signal level being input from the Mini-YGDAI card.



## 14.17.5. Analog Out Component Editor

Displays the settings related to the [OUTPUT] terminal output and the level of the audio signal being output.



#### ① Channel Index

Displays the analog output terminal number.

#### 2 Level Meter

Displays the analog output level.

#### 3 [GAIN] Knob

Adjusts the output gain.

#### ④ [INV] Button

Switches the output signal polarity.

### 14.17.6. Slot Out Component Editor

Displays the settings related to the Mini-YGDAI card output and the level of the audio signal being output.

| E Slot Ou   | ıt  |   |   |   |   |   |   |                           |   |   |   |   |   | - [   | ×   |
|---|---|---|---|---|---|---|---|---------------------------|---|---|---|---|---|---|---|
| OUT 1   | OUT 2   | OUT 3   | OUT 4   | OUT 5   | OUT 6   | OUT 7   | OUT 8 🕧   | <i>,</i>                  | OUT 10  | OUT 11  | OUT 12  | OUT 13  | OUT 14  | OUT 15  | OUT 16  |
| Over<br>3<br>6<br>9<br>12<br>- 15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>- 15<br>18<br>- 24<br>30<br>- 40<br>- 40<br>50<br>60 | Over<br>3<br>6<br>9<br>12 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>24<br>- 30<br>- 40<br>- 50<br>- 60 | Over<br>3<br>6<br>9<br>- 12<br>- 15<br>- 15<br>- 18<br>- 24<br>- 30<br>20<br>- 50<br>- 60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 |
| GAIN<br>C<br>0.0dB  | GAIN<br>CO<br>0.0dB   | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>COURT<br>0.0dB  | 0.0dB                     | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  |
|   |   |   |   |   |   |   |   |                           |   |   |   |   |   |   |   |

① **Channel Index** Displays the output terminal number.

② Level Meter

Displays the output level.

③ **[GAIN] Knob** Adjusts the output gain.

④ [INV] Button

Switches the output signal polarity.

### 14.17.7. Speech Privacy Component Editor

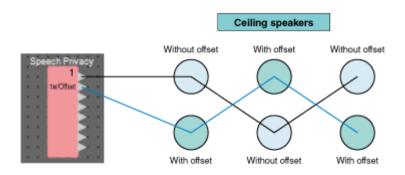
This function mixes environmental sounds and disturbance sounds to make it difficult for people around you to

hear conversations in a particular location.

Only one can be installed for each MRX7-D.

Two mixed signals are output for each system, one without offset and one with offset that offsets the playback point. By alternating the speakers that output each of these, discomfort caused by phase shift in areas where audio overlaps is reduced.

Before putting the MRX7-D online, use the Install Speech Privacy File dialog that is displayed when you select [Install Speech Privacy File] from the [Tools] button to install the files to the MRX7-D.



Configure settings related to environmental sounds and disturbance sounds in the Speech Privacy component editor.

| E Speech P             | rivacy         |                | _              |                |   |
|------------------------|----------------|----------------|----------------|----------------|---|
| Environmental<br>Sound | 1<br>Forest V  | 2<br>Forest    | 3<br>Forest ▼  | 4<br>Forest ▼  | 1 |
| Speech Sound<br>Masker | <b>0</b><br>30 | <b>)</b><br>30 | <b>)</b><br>30 | <b>)</b><br>30 | 3 |
| LEVEL                  | 0.00dB         | 0.00dB         | 0.00dB         | 0.00dB         | 4 |
| (                      |                | ON             | ON             | ON             | 5 |
| 30006                  |                | MT             | X:mem_512/300  | 06/0/0/0/0/0 🦿 | ) |

#### ① System Index

Displays the number for the system to be configured.

#### ② [Environmental Sound] List Box

Sets the environmental sound to be used. Select to match the output environment.

- Forest: Forest sounds
- Seashore: The sound of waves
- Street: Street sounds
- Building: Air conditioning sounds

#### ③ [Speech Sound Masker] Knob

Sets the percentage of disturbance sound to be included in the output audio. The unit is %.

#### ④ [LEVEL] Knob

Sets the signal level for the mix of environmental sounds and disturbance sounds.

#### (5) [ON] Button

Mutes or unmutes the mixed signals of each system.

## 14.18. Alert List

Refer to the MTX5-D/MTX3 Alert List.

## 14.19. Flow of Paging Configuration

For the MRX7-D, to use PGM1, first place the Paging component from the Components area on the device sheet. For the setting method, refer to the MTX5-D Flow for paging settings.

# 15. Audio Processors MTX5-D/MTX3

| 15.1 Overview                          |
|--|
| 15.2 "Project" sheet                   |
| 15.3 Device sheet screen configuration |
| 15.4 Tool buttons                      |
| 15.5 "Presets" area                    |
| 15.6 Context menus                     |
| 15.7 Dialog box                        |
| 15.8 Alert list                        |
| 15.9 Component editors                 |
| 15.10 Workflow for paging settings     |
|  |

## 15.1. Overview

The MTX3/MTX5-D is a processor optimized for small- to mid-size installations in stores or banquet halls. For details, please refer to the user's manual for the equipment.

## 15.2. "Project" sheet

This is the sheet on which devices are placed. When placing devices, the Settings screen shown below is displayed.

|         | £ | <b>20</b> 1 [ | Devices               | ₩.× |       | Proj | ect 📑 🕅 Tuning                        |           |   |                               |
|---------|---|---------------|-----------------------|-----|-------|------|---------------------------------------|-----------|---|-------------------------------|
|         | E | +             | E 🤇 Filter            |     | ساي ا | ահա  |                                       |           |   | 600                           |
| Dev     | E |               | Audio Processors      | ^   | ada.  |      |                                       |           |   |                               |
| Devices | L |               | EMECH DME7            |     |       |      | 🔁 Settings                            |           | < |                               |
|         | L |               | EMERAN MRX7-D         |     | 0     |      |                                       |           |   |                               |
|         |   |               | MTX5-D                |     |       |      | MTX5-D<br>Number of Devices           | 1         |   |                               |
| Net     |   |               | EMERAN MTX3           |     |       |      |                                       | [·        |   |                               |
| Network |   |               | EMARCEN YDIF          |     | 10    |      | Unit ID Starting From                 |           |   |                               |
| Î       | E |               | MTX/MRX I/O Expanders | 5   |       |      | Device Name                           | MTX5-D    |   | · · · · · · · · · · · · · · · |
|         |   |               | EXI8                  |     |       |      |                                       | OK Cancel |   |                               |
|         |   |               | EMAKAN EXO8           |     | 200   |      |                                       |           |   |                               |
|         | E |               | Power Amplifiers      |     |       |      |                                       |           |   |                               |
|         |   |               | PC Series             |     |       |      |                                       |           |   |                               |
|         |   |               | PC406-D               |     | 300   |      | · · · · · · · · · · · · · · · · · · · |           |   |                               |

### • Number of Devices

Selects the number of MTX units placed on the sheet.

#### <sup>•</sup> Unit ID Starting From

You can select the starting number for the device Unit IDs.

#### Device Name

The device name can be displayed and edited.

## 15.2.1. "Devices" area

If "YDIF" is added to the project, an example of connecting multiple devices by YDIF terminals is provided. The word clock setting is performed automatically.

| YDIF     |           | ×          | YDIF |          |              | × |   |
|----------|-----------|------------|------|----------|--------------|---|---|
| YDIF Con | nected    |            |      |          | Clock Source |   |   |
| Index    | Model     | Unit ID    |      |          |              |   |   |
| 1        | MTX5-D    | · 01 💌     | IV   | ITX5-D   | Dante        |   |   |
| 2        | XMV8280 - | 02 💌       |      | <u> </u> |              |   | 🔍 01 MTX5-D 🛛 🔻                         |
| 3        | None 💌    | •          | ×    | //V8280  | YDIF         |   | DCP                                     |
| 4        | None -    | •          |      |          |              |   | · · L · · · · · · · · · · · · · · · · · |
| 5        | None -    | •          |      |          |              |   | 🔿 02 XMV8280 🖕                          |
| 6        | None -    |            |      |          |              |   | +                                       |
| 7        | None      | ·]         |      |          |              |   |   |
| 8        | None _    | •          |      |          |              |   | · · · · · · · · · · · · · · · · · · ·   |
|          |           |            |      |          |              |   |   |
|          |           |            |      |          |              |   |   |
|          |           |            |      |          |              |   |   |
|          |           |            |      |          |              |   |   |
|          | Cance     | el Next >> |      | Ca       | ncel Finish  | ] |   |

### 15.2.2. "Properties" area

Displays/edits the MTX information.

| A Properties       |                        |            |
|--------------------|------------------------|------------|
| ± =                |                        | Bave Style |
| Property           | Value                  |            |
| Device             |                        |            |
| Model              | MTX5-D                 |            |
| Device Name        | MTX5-D                 |            |
| Unit ID            | 01                     |            |
| Remote Control     | 38400                  |            |
| DCP                |                        |            |
| PGM1               |                        |            |
| Utilities          |                        |            |
| Dimmer             | Off                    |            |
| Disable Sync LEDs  | Off                    |            |
| Display            |                        |            |
| 🗉 Font             | A [Noto Sans, 12]      |            |
| Name               | Noto Sans              |            |
| Size               | 12                     |            |
| Bold               | False                  |            |
| Italic             | False                  |            |
| Strikeout          | False                  |            |
| Underline          | False                  |            |
| Font Color         | 255, 255, 255, 255     |            |
| Background Color   | 255, 133, 153, 148     |            |
| Foreground Color   | 255, 133, 153, 148     |            |
| Border Color       | 255, 89, 104, 100      |            |
| Brush Style        | SimpleGradientVertical |            |
| Location           | 588, 336               |            |
| X                  | 588                    |            |
| Y                  | 336                    |            |
| □ Size             | 144, 36                |            |
| Width              | 144                    |            |
| Height             | 36                     |            |
| Output Wiring Step | 0                      |            |
| Input Wiring Step  | 0                      |            |

#### Remote Control

Here you can check the port numbers for connecting an external controller, or make settings for connecting an external controller to RS-232C.

The [Remote Control] dialog is displayed from the m, which is displayed when the property Value field is clicked.

| Remote Control                 |                 | ×             |
|--------------------------------|-----------------|---------------|
| Network                        | IP PORT No.     | 49280         |
| Maximum number of network remo | ote control con | nections is 8 |
| Remote(RS-232C)                | BIT RATE        | 38400 ~       |
|                                | ОК              | Cancel        |

#### • [Network IP PORT No.]

This shows the port number of the MTX3's NETWORK connector or the MTX5-D's Dante [PRIMARY]/[SECONDARY] connectors. You can connect up to eight external controllers or wireless DCP to the port.

#### • [Remote(RS-232C) BIT RATE] box

Selects the RS-232C communication speed. You can select "38400" bps or "115200" bps. You can connect one external controller to the RS-232C.

#### • [OK] button

Saves the settings and closes the dialog box.

#### • [Cancel] button

Closes the dialog box without saving the changes.

#### . DCb

Select the DCP that has been connected to the DCP port.

The [DCP] dialog is displayed from the **m**, which is displayed when the property Value field is clicked. For details, refer to the "DCP" chapter.

| <b>-</b> | DCP   | ×   |
|----------|---|---|
| ID       | Model   | Name  |
| 0        | DCP1V4S-US/EU   | DCP1V4S   |
| 1        | DCP4S-US/EU   | DCP4S   |
| 2        | None  |   |
| 3        | None  |   |
| 4        | None  |   |
| 5        | None 💌  |   |
| 6        | None  |   |
| 7        | None  |   |
|          | VICE Digital Control Pa<br>VICE DIGITAL CONTROL | None         None <th< td=""></th<> |
|          |   | s set DCP DIP switch 4 (termination) to the ON position for<br>agest DCP cable run from device.   |

#### \* PGM1 (MTX5-D only)

i

Specify the Unit ID for the PGM1 that is controlling the MTX5-D.

The [PGM1] dialog is displayed from the **m**, which is displayed when the property Value field is clicked. For details, refer to the "Workflow for paging settings".

| PGM1             | Unit ID        | Device Name |
|------------------|----------------|-------------|
| 1st Priority Mic | •              | -           |
| Mic2             |                | /           |
| Mic3             |                | •           |
| Mic4             | •              | •           |
|                  | thernet Switch | PGM 1       |

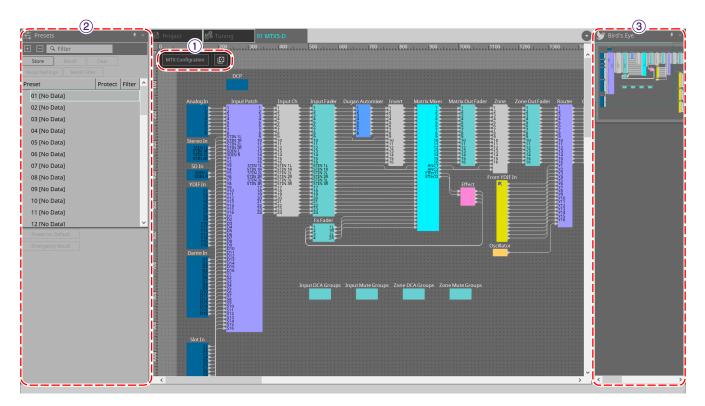
Because the PGM1 settings are stored by the MTX5-D, it is normally not necessary for

ProVisionaire Design to discover the PGM1.

When using ProVisionaire Design to update the PGM1 firmware or change the IP address, please install Bonjour Print Service to allow ProVisionaire Design to discover the device.

## 15.3. Device sheet screen configuration

When the MTX device sheet is opened, the "Presets" area and the "Bird's Eye view" will be displayed.



#### 1 Tool buttons

Frequently-used commands are provided here as buttons.

#### ② "Presets" area

Multiple parameter settings can be stored as presets.

#### **③ Bird's Eye view**

This shows an overview of the sheet.

## 15.4. Tool buttons

Frequently-used commands are provided here as buttons.

| Button           | Command           | Summary   |
|------------------|-------------------|---|
| MTX Configration | MTX Configuration | The MTX I/O settings, such as input port and output<br>channel, matrix bus, etc., are specified for each device.<br>This command cannot be selected on the Project<br>screen. |
| Ø                | Tools             | [SD Card File Manager]<br>Registers files to be played using the SD Card<br>component.  |
|                  |                   | [Scheduler]<br>Presets can be switched at predetermined dates and<br>times, allowing for songs and sound effects stored on<br>an SD memory card to be played back.            |
|                  |                   | [GPI]<br>By using the GPI I/Os, the MTX series can be remote<br>controlled from a custom made controller or external<br>device.   |
|                  |                   | [External Events]<br>Sets the commands output by the MTX.   |

## 15.5. "Presets" area

This area can be used to store (save) parameter values as presets. By recalling a preset, the parameters can be deployed as the current value (current parameter). Presets can be recalled using the device's front panel.

| Presets         |        |           |     | Ŧ      | × |
|-----------------|--------|-----------|-----|--------|---|
| + - 9           | Filter |           |     |        |   |
| Store           | Reca   | all       | (   | Clear  |   |
| Recall Settings | ; F    | Recall Fi | ter |        |   |
| Preset          |        | Prote     | ct  | Filter | ^ |
| 🔽 01 Pr         | ese    |           |     |        |   |
| 02 [No Da       | ta]    |           |     |        |   |
| 03 [No Da       | ta]    |           |     |        |   |
| 04 [No Da       | ta]    |           |     |        |   |
| 05 [No Da       | ta]    |           |     |        |   |
| 06 [No Da       | ta]    |           |     |        |   |
| 07 [No Da       | ta]    |           |     |        |   |
| 08 [No Da       | ta]    |           |     |        |   |
| 09 [No Da       | ta]    |           |     |        |   |

- [Store] button Stores the preset in the selected location.
- [Recall] button Recalls the selected preset.
- [Clear] button Clears the selected preset.
- [Recall settings] button Opens the "Recall Settings" dialog.
- [Recall Filter] button Opens the "Recall Filter" dialog.

#### • Preset list

Displays a list of the presets. A maximum of 50 presets can be stored.

#### • Preset

Displays the preset number and name.

When you double click on a stored preset, the name can be edited. This will indicate [No Data] for empty presets.

• Protect

When you click on the icon and the icon changes to a, protection is applied and it cannot be edited.

If you click on the icon when protection has been applied, the protection will be canceled.



To recall presets for multiple devices simultaneously, click the button and set in the "Linked Presets Manager" dialog.

#### • Enable Scheduler

When this is on and the preset is recalled, the scheduler function will be enabled. Click the icon to turn this on/off.



When the scheduler function is disabled, the [SCHEDULER] indicator on the main unit will flash rapidly when an event is occurring.

#### • Filter

In the Recall Filter dialog, if even one part has been set that will not recalled, a P will be displayed.

### 15.5.1. Recall

#### Power on Default

Sets the preset to be recalled when the power supply for the main unit is turned on. Pressing the Set button in the [Power on Default] dialog sets the currently selected preset.

When no preset has been set, the device starts in the state it was in when it was previously powered off. To cancel, select Clear in the [Power on Default] dialog.

| 돰 Power On | 😝 Power On Default                    |  |  |  |  |  |  |
|------------|---------------------------------------|--|--|--|--|--|--|
| Clear      |                                       |  |  |  |  |  |  |
| Set        | Select Snapshot to recall on boot up. |  |  |  |  |  |  |

#### • Emergency Recall

Sets the preset to be recalled when the MTX receives an EMG (Emergency) signal from an external device,

or when the input to the +24 V compatible [GPI IN] terminal (IN 16) has dropped below 2.5 V. The methods for setting and canceling are the same as Power on Default.

| 睯 Emergency | / Recall X   |
|-------------|--|
| Clear       |  |
| Set         | Set Snapshot to recall when Device enters<br>Emergency Mode. |

## 15.6. Context menus

The following describes the contents of the context menus that are displayed when you right-click each area.

### 15.6.1. MTX5-D sheet/MTX3 sheet

When you right-click on a location with no object in the MTX, the following context menu will be displayed.

| Menu                       | Content             |
|----------------------------|---------------------|
| [Close All Editor Windows] | Closes all editors. |

### 15.6.2. Components/in the MTX/component editor

When you right-click on any location other than the component's operator or component, the following context menu will be displayed (some items may be omitted).

| Menu                      | Content   |
|---------------------------|---|
| [Open Component Editor]   | Opens the component editor.   |
| [Сору]                    | Copies the component editor's parameter settings.   |
| [Paste Parameters]        | Reflects the component editor's parameter settings that have been copied.   |
| [Select Mini-YGDAI Card]  | Only the "Slot In" or "Slot Out" component editors will be displayed. The "Slot" dialog to select a Mini-YDGAI Card opens.  |
| [Sampling Rate Converter] | This will be displayed when you select MY4-AEC or MY8-AE96S in the Slot dialog. The dialog to set the SRC (Sampling Rate Converter) for MY4-AEC or MY8-AE96S opens. |

## 15.7. Dialog box

## 15.7.1. "MTX Configuration" dialog box

Click on the [MTX Configuration] tool button in the device sheet to open this dialog. Here you can specify input/output settings, such as MTX input ports, output channels, and matrix buses.

| NPUT PORT SETUP |             | INPUT CHANN | EL SETUP     |       |             |
|-----------------|-------------|-------------|--------------|-------|-------------|
|                 | SIGNAL TYPE |             | SIGNAL TYPE  |       | SIGNAL TYPE |
| ST IN 1L/1R     | STEREO      | / 1/2       | MONO x 2 ×   | STIN1 | STEREO      |
| T IN 2L/2R      | STEREO      | 3/4         | MONO x 2 ×   | STIN2 | STEREO      |
| D IN L/R        | STEREO      | 5/6         | MONO x 2 🛛 🗸 | STIN3 | STEREO      |
|                 |             | 7/8         | MONO x 2 ~   | 17/18 | MONO x 2    |
|                 |             | 9/10        | MONO x 2 ~   | 19/20 | MONO x 2    |
|                 |             | 11/12       | MONO x 2 ×   | 21/22 | MONO x 2    |
|                 |             | 13/14       | MONO x 2 🛛 🗸 | 23/24 | MONO x 2    |
|                 |             | 15/16       | MONO x 2 🛛 🗸 |       |             |



Since these settings are not included in a preset, they cannot be changed via the Preset Recall function.

#### • [INPUT] tab

In this tab, you can make settings related to inputs.

#### • INPUT PORT SETUP

Here you can specify the inputs to the stereo input ports.

STEREO...... The stereo signal will be input without change.

SUM...... The L and R inputs will be summed to a single channel. There will be one input to the input patch.

#### • INPUT CHANNEL SETUP

Here you can make settings for the input channels.

MONO x2...... The input channels will be treated as two monaural channels.

STEREO..... The input channels will be treated as a single stereo pair.

#### • [OUTPUT] tab

In this tab, you can make settings related to outputs.

#### • MATRIX BUS SETUP

Here you can make settings for the matrix buses.

MONO x2...... The input channels will be treated as two monaural channels.

STEREO...... The input channels will be treated as a single stereo pair. If the MTX system's YDIF mode is Cascade mode, the parameters will be shared in common by all MTX units in the MTX system.

#### • OUTPUT CHANNEL SETUP

Here you can specify the type of output channel speaker processor (1WAYx2 or 2WAY). The settings here affect the Room EQ and Speaker Processor in the "Output CH" component editor.

- [Advanced Settings] button The "Advanced Settings" dialog box will appear.
- [OK] button Saves the settings and closes the dialog box.
- [Cancel] button Discards the settings and closes the dialog box.

#### "Advanced Settings" dialog box

Here you can specify the Matirx Mixer compoent's pan mode (PAN or Blend). The [MATRIX BUS SETUP] setting can be specified only for STEREO channels.

If you choose [Blend], the right and left channels of the stereo audio will be mixed while preserving the sense of stereo. For example in some old stereo recordings, completely different audio is recorded on the left and right channels; if such audio is played via a stereo background music system, it may produce the impression that different music is playing in different areas. "Blend" is effective in mitigating this difference.

| Matrix PAN |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|---------|
|            | CHI | СН2 | СНЗ | CH4 | снб | CH6 | CH7 | СНВ | СН9 | CHIO | CH11 | CH12 | сніз | CH14 | CH15 | CH16 | STIM    |
| MATRIX1    |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
| MATRIX2    |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
| MATRIX3    |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
| MATRIX4    |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
| MATRD/5    |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
| MATRIX6    |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
| MATRIX7    |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      | PAN     |
| MATRIX8    |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      | O Blend |
| MATRIX9    |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
| MATRD(10   |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
| MATRD(11   |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
| MATRD:12   |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
| MATRD:13   |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
| MATRIX14   |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
| MATRD/15   |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
| MATRIX16   |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |
|            | <   |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |         |

#### • [OK] button

Saves the settings and closes the dialog box.

#### ' [Cancel] button

Discards the settings and closes the dialog box.

## 15.7.2. "SD Card File Manager" dialog box

Click the [Tools] button on the device sheet and then click [SD Card File Manager] to open this dialog.

Registers files to be played using the SD Card component.

This list is used for file playback via DCP, GPI, etc.

For details, refer to the DME10/7 chapter.

| <mark>≁</mark> SD | Card File Ma | anager(MTX) |               |               |          |        | ×  |
|-------------------|--------------|-------------|---------------|---------------|----------|--------|----|
| E                 | dit          |             |               |               |          |        |    |
| No.               | Туре         | File/Folder | Play Mode     | Go to the top | Interval | ^      |    |
| 001               | Folder       |             | Normal        | Off           | 3.0      |        |    |
| 002               | Folder       |             | Repeat        | Off           | 3.0      |        |    |
| 003               | Folder       |             | ShuffleRepeat | On            | 3.0      |        |    |
| 004               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 005               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 006               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 007               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 800               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 009               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 010               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 011               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 012               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 013               | No Assi      | No Assign   | -             | -             | -        |        | •  |
| 014               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 015               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 016               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 017               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 018               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 019               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 020               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 021               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 022               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 023               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 024               | No Assi      | No Assign   | -             | -             | -        |        |    |
| 025               | No Assi      | No Assign   |               | -             | -        | $\sim$ |    |
|                   |              |             |               |               | ОК       | Cance  | :I |

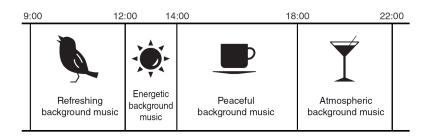
## 15.7.3. "Scheduler" dialog box

Click the [Tools] button on the device sheet and then click [Scheduler] to open this dialog. You can switch presets or play back a song or sound effect from an SD memory card at a previously specified date and time. Each such setting is called an "Event.

#### <Usage example 1>

#### Switching background music by time period

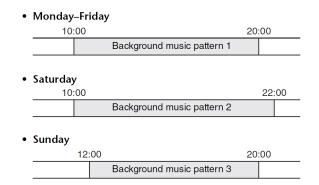
Here's how you could switch the type of background music according to the time period, for example in a commercial establishment.



#### <Usage example 2>

#### Switching background music by day of the week

Here's how you could switch the type of background music according to the day of the week or the times of business, for example in a commercial establishment.



You can also specify exceptions, such as playing seasonal background music at Christmas, or stopping playback on days when the establishment is not operating.

• If an event has been assigned, the [SCHEDULER] indicator on the MTX front panel will be lit yellow. One minute before the event occurs, the indicator will flash.

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• If more than one event is assigned at the same time, all events will run with one second of space between them. During this time, the [SCHEDULER] of the MTX's front panel will continue flashing.

• If the [Enable Daylight Saving Time] check box is selected in the "Daylight Saving Time" dialog box, events that have been scheduled within two hours before or after the start or end of daylight saving time will not be executed correctly.

| Vent Control                                    | K > Today |     | 20  | 23/01 🖻 |     | Mor | nth Day |
|---|-----------|-----|-----|---------|-----|-----|---------|
| Edit  | Sun       | Mon | Tue | Wed     | Thu | Fri | Sat     |
| Clear<br>All Clear                              | 01        | 02  | 03  | 04      | 05  | 06  | 0       |
| Show Event Time<br>Event Info<br>Operation Type | 08        | 09  | 10  | 11      | 12  | 13  | 1       |
| Repeat Type                                     | 15        | 16  | 17  | 18      | 19  | 20  | :       |
| Set Exception                                   | 22        | 23  | 24  | 25      | 26  | 27  | :       |
|   | 29        | 30  | 31  | 01      | 02  | 03  | (       |
|   | 05        | 06  | 07  | 08      | 09  | 10  | 1       |

You can assign up to 50 events and 50 exceptions.

#### \* [Month] button/[Day] button

Switch the calendar between month or day views.

| Month vi  | iew       |     |                 |          |      |     |        | Day view  | I     |                |            |           |
|---|-----------|-----|-----------------|----------|------|-----|--------|---|-------|----------------|------------|-----------|
| Scheduler                                       |           |     |                 |          |      |     | ×      | Scheduler                                       |       |                |            | ×         |
| Event Control                                   | < > Today |     | 20              | 023/01 🗎 | 1    | Mon | th Day | Event Control                                   | < >   | Today          | 2023/01/31 | Month Day |
| Edit  | Sun       | Mon | Tue             | Wed      | Thu  | Fri | Sət    | Edit  | 10:00 |                |            | ^         |
| Clear   | 01        | 02  | . 03            | 8 04     | 4 05 | 06  | 07     | Clear   |       |                |            |           |
| All Clear                                       |           |     |                 |          |      |     |        | All Clear                                       |       |                |            |           |
| Show Event Time<br>Event Info<br>Operation Type | 08        | 09  | 10              | ) 11     | 1 12 | 13  | 14     | Show Event Time<br>Event Info<br>Operation Type | 11:00 | 11:00 - Event1 |            |           |
| Preset Recall<br>Repeat Type<br>One Shot        | 15        | 16  | 17              | 18       | 8 19 | 20  | 21     | Repeat Type                                     | 12:00 |                |            |           |
| Set Exception<br>No Setting                     | 22        | 23  | 24 11:00 Event1 | 25       | 5 26 | 27  | 28     | Set Exception                                   | 13:00 |                |            |           |
|   | 29        | 30  | 31              | 01       | 1 02 | 03  | 04     |   |       |                |            |           |
|   | 05        | 06  | i 07            | 7 08     | 8 09 | 10  | 11     |   | 14:00 |                |            |           |
|   |           |     |                 |          |      | 0   | Cancel |   |       |                |            | OK Cancel |

- 。 In the calendar, double-click the date you want; the "Add Event" dialog box will appear, letting you add an event.
- Events other than repeating events can be moved by dragging and dropping them (in the month display you can move between days, and in the day display you can move between hours).
- $_{\circ}\,$  In the month display, you can click the calendar icon to access a year/month selection screen.

#### • [Today] button

For the month view, displays this month's calendar. For the day view, displays today's schedule.

#### [ < ]/[ > ] buttons

For the month view, displays the previous or next month's calendar. For the day view, displays the previous or next day's schedule.

#### • Event Control

#### • [Add] button

The "Add Event" dialog box will appear. Here you can add an event.

#### • [Edit] button

The "Edit Event" dialog box will appear. Here you can edit the contents of the currently selected event. If no event is selected, the button is dimmed.

#### [Clear] button

Deletes the currently selected event. If no event is selected, the button is dimmed.

• [All Clear] button Deletes all registered events.

#### • [Show Event Time] check box

If this is selected, the time of the event is shown in the month display.

#### • Event Info

This shows the information that was specified in the "Add Event" dialog box or "Edit Event" dialog box for the selected event.

#### • Operation Type

Indicates the operation that will be executed when the event occurs.

#### • Repeat Type

Indicates the frequency with which the event will occur.

#### • Set Exception

Indicates a date and time for which, as an exception, the event will not occur.

#### • [OK] button

Saves the settings and closes the dialog box.

#### • [Cancel] button

Closes the dialog box without saving the changes.

| "Add Event" dialog box / "Edit Event" dialo | g box |
|---|-------|
|---|-------|

| Add Event  | $\times$ |
|--|----------|
| Event Name Event   |          |
| Event Operation  |          |
| Type Preset Recall ~   |          |
| Settings   |          |
|  |          |
| Preset   |          |
| O1 [No Data]   | ^        |
| O 02 [No Data]   |          |
| O 03 [No Data]   |          |
| O 04 [No Data]   |          |
| O 05 [No Data]   |          |
| ○ 06 [No Data]   |          |
| ○ 07 [No Data]   |          |
|  | •        |
| Event Schedule   |          |
|  |          |
| Color  |          |
|  |          |
| Date 2023/02/07 V Time 19 : 12 : 13 :                        |          |
| 🗌 Repeat Event   |          |
|  |          |
| Yearly $\vee$ Exception                                      |          |
| Day of the Month   |          |
| First $\checkmark$ Sunday $\checkmark$ February $\checkmark$ |          |
| Thise Sunday Tebruary  |          |
|  |          |
| ОК   | Cancel   |

#### • Event Name

Enter the name of the event.

#### • Event Operation

#### [Type] box

Choose the operation that will be executed when the event occurs.



In the "Recall Settings" dialog box operations such as GPI Out or SD Song Select & Play can be included in the preset. Choose GPI Out if you want to control an external device via [GPI OUT] without recalling a preset, or choose SD Song Select & Play if you want to change the audio file that will play.

#### Preset Recall

A preset will be recalled.

' GPI Out

The [GPI OUT] connector will be controlled.

#### \* SD Song Select & Play

An audio file saved on the SD memory card will play or stop. Set the playback file in the "SD Card File Manager" dialog box in advance.

#### • Paging

An audio message saved on the SD memory card will be played for the specified broadcast destination (ZONE).

#### • Settings

The contents will change depending on the event you chose in [Type] box.

• If you chose Preset Recall

Select the preset that you want to recall.

| Type Preset Recall<br>Settings | ~      |   |
|--------------------------------|--------|---|
|                                | Preset |   |
| 01 Preset 01                   |        | ^ |
| O 02 Preset 02                 |        |   |
| O 03 Preset 03                 |        |   |

#### 1 If you chose GPI Out

Sets the state of the GPI OUT connector when an event is triggered. The setting method is the same as for [GPI Out] in the "Recall Settings" dialog box.

| Dut      | ~                       | ,   |  |   |   |   |
|----------|-------------------------|---|--|---|---|---|
|          |                         |   |  |   |   |   |
| 2        | 3                       | 4   | 5  | 6   | 7   | 8   |
| Active   | Active                  | Active                                    | Active   | Active  | Active  | Active  |
| Inactive | Inactive                | Inactive                                  | Inactive   | Inactive  | Inactive  | Inactive  |
| Ignore   | Ignore                  | Ignore                                    | Ignore   | Ignore  | Ignore  | Ignore  |
|          | 2<br>Active<br>Inactive | 2 3<br>Active Active<br>Inactive Inactive | 2 3 4<br>Active Active Active<br>Inactive Inactive | 2 3 4 5<br>Active Active Active<br>Inactive Inactive Inactive | 2     3     4     5     6       Active     Active     Active     Active     Active       Inactive     Inactive     Inactive     Inactive     Inactive | 2     3     4     5     6     7       Active     Active     Active     Active     Active       Inactive     Inactive     Inactive     Inactive     Inactive |

<sup>•</sup> If you chose SD Song Select & Play

Specify how the audio files saved on the SD memory card will play or stop when the event occurs.

• Pause

Stops the SD Card file being played when an event starts.

• Play

Play the file on the SD Card when the event starts. Select the index number of the list in the "SD Card File Manager" dialog box.

| Type SD Song Select & Play ${\scriptstyle\checkmark}$ |   |
|---|---|
| Settings  |   |
| O Pause   |   |
| Play  |   |
| Play Settings   |   |
| SD Card File List                                     |   |
| 001 [No Assign]                                       | ^ |
| 🔘 002 [No Assign]                                     |   |

#### If you chose Paging

Specify the ZONE/ZONE GROUP to which message files saved on the SD memory card will be broadcast when the event occurs.

| ype Paging Settings | ~         |                                       |                |
|---------------------|-----------|---------------------------------------|----------------|
| SD CARD:/ .mp3      |           |                                       | Browse         |
| 'Zone Gr            | roup' can | be set in the Paging com              | ponent editor. |
| Zone                |           | Zone Group                            |                |
| ZONE1               | ^         | Group 1                               | ^              |
|                     |           | · · · · · · · · · · · · · · · · · · · |                |
| ZONE2               |           | Group 2                               |                |
| ZONE2               | ~         | Group 2                               | ~              |

- SD CARD:/ This indicates the selected message file.
- <sup>•</sup> [Browse] button When you click this, a screen will appear, allowing you to select a message file.
- [Zone]/[Zone Group]
   These specify the Zone(s) and Zone Group(s) to which the broadcast is made. Multiple selections are possible for each.
- [All On]/[All Off] button Clicking these buttons turns all Zones or Zone Groups on or off.

Set ZONE GROUP in ZONE component > PAGING component editor, and set chime playback and function assignment to PGM1 buttons in PAGING component editor > Settings.

#### • Event Schedule

| Event Schedule                          |  |  |  |  |
|---|--|--|--|--|
| Color                                   |  |  |  |  |
|   |  |  |  |  |
| Date 2023/02/14 V Time 20 🗘 : 0 🗘 : 0 🗘 |  |  |  |  |

Specify the date and time at which the event will occur.

#### ' [Color] select switches

Choose the color of the event shown in the calendar. By specifying a color, you can make it easier to distinguish certain types of event.

#### · [Date]

Specifies the date on which the event will occur. (year/month/day)

You can change the date either by inputting it directly or by clicking the calendar that appears when you click the V icon at the right.

Depending on the REPEAT EVENT setting described below, this might not be shown.

#### • [Time]

Specifies the time at which the event will occur. (hour:minute:second, in 24-hour time)

Click the hour/minute/second that you want to specify, and use the spin box or enter a value directly. If you select REPEAT EVENT and specify the event frequency as "Hourly," you'll only be able to set the minutes and seconds.

#### • Repeat Event

By selecting this check box you can specify a repeating event.

#### • [Yearly]/[Monthly]/[Weekly]/[Daily]/[Hourly] boxes

Specify the frequency with which the event will occur.

#### \* Event start date and time

Specify the date and time at which the event will occur repeatedly. The items that you can specify will depend on the frequency of the event.

If the event frequency is [Yearly]

If [Day of the Month] is on, the event will occur each year at the date and time specified by "-month,"

"1st/2nd/3rd/4th," "day of the week," and [Time].

If [Day of the Month] is off, the event will occur each year on the day selected in the calendar (shown in [Date]) at the time selected in [Time].

| Yearly ~ | Exception. |            |   |  |
|----------|------------|------------|---|--|
| Day of   | the Month  |            |   |  |
| First    | Sunday     | ~ February | ~ |  |

## • If the event frequency is [Monthly]

If [Day of the Week] is on, the event will occur each month at the date and time specified by "1st/2nd/3rd/4th," "day of the week," and [Time].

If [Day of the Week] is off, the event will occur each month on the day selected in the calendar (shown in [Date]) at the time selected in [Time].

| Repeat Event        |           |  |  |  |  |  |
|---------------------|-----------|--|--|--|--|--|
| Monthly ~ Exception |           |  |  |  |  |  |
| Day of the Week     |           |  |  |  |  |  |
| First ~ Sunday ~    |           |  |  |  |  |  |
|                     |           |  |  |  |  |  |
|                     | OK Cancel |  |  |  |  |  |

## If the event frequency is [Weekly]

The event will occur each week on the selected day of the week at the time specified by [Time].

| Repeat Event                              |
|---|
| Weekly $\checkmark$ Exception             |
|   |
| 🗹 Sun 🗌 Mon 🗌 Tue 🗌 Wed 🗌 Thu 🗌 Fri 🛄 Sat |
|   |
| OK Cancel                                 |

- If the event frequency is [Daily] The event will occur each day at the time (hour:minute:second) specified by [Time].
- <u>If the event frequency is [Hourly]</u> The event will occur each hour at the time (minute:second) specified by [Time].

#### • [Exception] button

The "Event Exception" dialog box will appear. Here you can specify a date and time for which, as an exception, the repeating event will not occur.

## • [OK] button

Saves the settings and closes the dialog box.

## • [Cancel] button

Closes the dialog box without saving the changes.

#### "Event Exception" dialog box

Here you can specify a date and time for which, as an exception, the repeating event will not occur. The items that you can specify will depend on the frequency of the event.

Example) - Don't play background music on Wednesday, when the establishment is closed.

- Play special background music only for the event that occurs on the third Sunday of every month.

| Event E | Excepti | ions |     |      |    |    |    |    | ×                  |
|---------|---------|------|-----|------|----|----|----|----|--------------------|
| Excepti | on Ite  | em   |     |      |    |    |    |    | Selected Exception |
| Day     |         |      | ~   |      |    |    |    | >  | Month              |
| G       |         |      | 2月, | 2023 |    |    | •  |    | Week<br>Day        |
|         | Β       | 月    | 火   | 水    | 木  | 金  | ±  |    |                    |
| 5       | 29      | 30   | 31  | 1    | 2  | 3  | 4  |    |                    |
| 6       | 5       | 6    | 7   | 8    | 9  | 10 | 11 |    |                    |
| 7       | 12      | 13   | 14  | 15   | 16 | 17 | 18 |    |                    |
| 8       | 19      | 20   | 21  | 22   | 23 | 24 | 25 | <  |                    |
| 9       | 26      | 27   | 28  | 1    | 2  | 3  | 4  |    |                    |
| 10      | 5       | 6    | 7   | 8    | 9  | 10 | 11 | << |                    |
|         |         |      |     |      |    |    |    |    |                    |
|         |         |      |     |      |    |    |    |    | OK Cancel          |

## Exception Item

• If the event frequency is [Yearly]

Specify the year for which the event will not occur. Only the [Year] can be specified.

If the event frequency is [Monthly]
 Specify the month or day for which the event will not occur.

Only the [Month] and [Day] can be specified.

• If the event frequency is [Weekly]

Specify the month, week, or day for which the event will not occur. Only the [Month], [Week], and [Day] can be specified.

• If the event frequency is [Daily]

Specify the month, week, day, or day of the week for which the event will not occur. Only the [Month], [Week], [Day], and [Day of the week] can be specified.

## • If the event frequency is [Hourly]

Specify the month, week, day, day of the week, or time (in hours) for which the event will not occur. The [Month], [Week], [Day], [Day of the week], and [Hour] can be specified.

○ [ > ] button

Adds a date and time that you want to specify as an exception to the list at the right.

- [ < ] button Removes a date and time that you specified as an exception from the list at the right.
- [<<] button Removes all dates and times that you specified as exceptions from the list at the right.
- [OK] button
   Saves the settings and closes the dialog box.
- [Cancel] button

Closes the dialog box without saving the changes.

## 15.7.4. "GPI" dialog box

Click the [Tools] button on the device sheet and then click [GPI Input] or [GPI Output] to open this dialog. The use of the GPI functions is identical to the DME10/7, but the parameters that can be assigned with FUNCTION are different.

## [GPI Input]

## "Settings" dialog box

| Settings (Input Port1)   |            |            | ×         |
|--|------------|------------|-----------|
| Function   | Parameter1 | Parameter2 | InputType |
| No Assign<br>MTX ON<br>MTX Send ON<br>MTX Priority Ducker ON<br>MTX Dugan Automixer<br>SD Play<br>Preset Recall<br>External Event<br>MTX Level<br>MTX Send Level |            |            |           |
|  |            | C          | DK Cancel |



For details of Input Type, refer to the DME10/7 GPI section.

## Function

## • [No Assign]

This setting is used to not change any of the settings for the controller's switches, knobs and sliders. [DEVICE] and [PARAMETER1/2] will be unavailable.

## ' [MTX ON]

The input voltage to the [GPI IN] connector will turn the parameter on/off. Select one of the following parameter types, and then make the appropriate setting.

- 。Input Ch ON
- $_{\circ}\,$  Fx RTN ON
- $_{\circ}\,$  ZONE Out ON
- $_{\circ}\,$  Output Ch ON
- $_{\circ}\,$  Input Ch Mute Group
- $_{\circ}\,$  ZONE Out Mute Group



For the Input Ch Mute Group and ZONE Out Mute Group, the LED on the main unit turns off when the mute is ON.

## [Parameter1]

Sets the parameter channel.

## • [Input Type]

Specifies how the input voltage to GPI IN will be applied to the parameter. You can choose [High Active], [Low Active], [Rising Edge], or [Falling Edge].

## • [MTX Send ON]

The input voltage to the [GPI IN] connector will control the send on/off of the channel. Select one of the following parameter types, and then make the appropriate setting.

- 。Input Ch Send ON
- $_{\circ}\,$  Fx RTN Send ON

## \* [MTX Priority Ducker ON]

The input voltage to the [GPI IN] connector will turn the zone's Ducker on/off. Select one of the following parameter types, and then make the appropriate setting.

- 。1st Priority
- 。2nd Priority

## \* [MTX Dugan Automixer]

The input voltage to the [GPI IN] connector will turn the parameter on/off. Select one of the following parameter types, and then make the appropriate setting.

- 。Override(main)
- 。Mute(main)
- 。override(Ch)

#### ' [SD Play]

The input voltage to the [GPI IN] connector will play the specified audio file. Select one of the following parameter types, and then make the appropriate setting.

- 。SD Song Select & Play
- 。SD Song Pause
- [Input Type]

Specifies how the input voltage to GPI IN will be applied to the parameter. You can choose [Rising Edge] or [Falling Edge].

## · [Preset Recall]

The input voltage to the [GPI INPUT] connector will recall the specified preset.

• [Parameter1]

Select the preset number that you want to recall.

• [Input Type]

Specifies how the input voltage from GPI IN will be applied to the parameter. You can choose [Rising Edge] or [Falling Edge].

## • [External Event]

Input voltage to the [GPI IN] connector will trigger the output of the commands specified in the "External Events" dialog box.

## • [Parameter1]

Select the name of the event to be executed.

## • [Input Type]

Specifies how the input voltage to GPI IN will be applied to the parameter. You can choose [High Active], [Low Active], [Rising Edge], or [Falling Edge]. If you selected [On/Off] for the [Command Type], the following action will occur:

| [High Active]  | If the input voltage is high, the command assigned to<br>[Command - On] will be transmitted. If the input voltage<br>is low, the command assigned to [Command - Off] will<br>be transmitted. |
|----------------|--|
| [Low Active]   | If the input voltage is low, the command assigned to<br>[Command - On] will be transmitted. If the input voltage<br>is high, the command assigned to [Command - Off] will<br>be transmitted. |
| [Rising Edge]  | Each time the input voltage becomes high, the<br>command assigned to [Command - On] and the<br>command assigned to [Command - Off] will be<br>transmitted alternately.                       |
| [Falling Edge] | Each time the input voltage becomes low, the<br>command assigned to [Command - On] and the<br>command assigned to [Command - Off] will be<br>transmitted alternately.                        |

## · [MTX Level]

The input voltage to the [GPI IN] connector will control the level of the channel.

If the maximum level cannot be reached because of the length of the cable, adjust the maximum and minimum input voltage values in the "GPI Calibration" dialog box.

Select one of the following parameter types, and then make the appropriate setting.

- 。Input Ch Level
- 。Fx RTN Level
- 。Matrix Out Level
- $_{\circ}\,$  ZONE Out Level
- 。Output Ch Level
- 。1st Priority Mix Level
- ° 2nd Priority Mix Level
- 。Input Ch DCA Group
- $_{\circ}\,$  ZONE Out DCA Group

## • [Parameter1]

Specifies the channel whose level you want to control.

• [Input Type]

Specifies how the level to GPI IN will be applied to the parameter. You can select [Analog] or [Analog Inv.].

## • [Upper Limit]/[Lower Limit]

Use [Upper Limit] and [Lower Limit] to specify the range in which the level can be varied. By using [Parameter Range] you can limit the range in which the user can control the volume. For example you can use this to specify the maximum volume of background music, or use a controller to make fine volume adjustments in a narrow range of -6 dB - +6 dB.

## ' [MTX Send Level]

The input voltage to the [GPI IN] connector will control the send level of the channel. If the maximum level cannot be reached because of the length of the cable, adjust the maximum and minimum input voltage values in the "GPI Calibration" dialog box. Select one of the following parameter types, and then make the appropriate setting.

- 。Input Ch Send Level
- $_{\circ}\,$  Fx RTN Send Level

## [GPI Output] dialog box

## "Settings" dialog box

| Function No Assign MTX ON MTX Send ON | Parameter1 | Parameter2 | OutputType  |
|---------------------------------------|------------|------------|-------------|
| MTX ON<br>MTX Send ON                 |            |            | Closed      |
| MTX Send ON                           |            |            | Open        |
|                                       |            |            | Pulse       |
| MTX Priority Ducker ON                |            |            | Pulse Inv.  |
| MTX Dugan Automixer                   |            |            | i disc invi |
| SD Song Play                          |            |            |             |
| MTX Level                             |            |            |             |
| MTX Send Level                        |            |            |             |
| Alert                                 |            |            |             |
|                                       |            |            |             |
|                                       |            |            |             |
|                                       |            |            |             |
|                                       |            |            |             |
|                                       |            |            |             |
|                                       |            |            |             |
|                                       |            |            |             |

a

For details of Output Type, refer to the DME10/7 GPI section.

## Function

• [No Assign]

[OUTPUT TYPE] specifies the polarity of the output signal when an alert occurs. No other function are specified; they will be the default.

• [Output Type]

Controls the GPI OUT when a preset is recalled or when a Scheduler event is executed.

· [MTX ON]

Parameter on/off operations will control the GPI Output.

Select one of the following parameter types, and then make the appropriate setting.

。Input Ch ON

- 。Fx RTN ON
- 。ZONE Out ON
- 。Output Ch ON
- $_{\circ}\,$  Input Ch Mute Group
- 。ZONE Out Mute Group

## • [Parameter1]

Specify the channel that will control the on/off setting of the parameter.

## • [Output Type]

Specifies how output will occur from the [GPI OUT] connector. You can choose [Closed], [Open], [Pulse], [Puse Inv.] or [Falling Edge].

## ' [MTX Send On]

Send on/off operations will control the GPI Output. Select one of the following parameter types, and then make the appropriate setting.

。Input Ch Send ON

 $_{\circ}\,$  Fx RTN Send ON

## • [MTX Priority Ducker ON]

On/off operations of the zone's Ducker will control the GPI Output. Select one of the following parameter types, and then make the appropriate setting.

- $_{\circ}$  1st Priority
- 。2nd Priority

## • [MTX Dugan Automixer]

Parameter on/off operations will control the GPI Output. Select one of the following parameter types, and then make the appropriate setting.

- 。 Override(master)
- 。Mute(master)
- 。override(Ch)
- [Parameter1]

For Override (master) and Mute (master), select the group that controls on/off. For override (Ch), select the channel that controls on/off.

## • [Output Type]

Specifies how output will occur from the [GPI OUT] connector.

## ' [SD Song Play]

The status of audio file playback will be output to the [GPI OUT] connector.

• [Output Type]

Specifies how output will occur from the [GPI OUT] connector.

## • [MTX Level]

Controls the GPI Output according to the level (volume changes) of each channel. You can use this to fader-start a CD player, or to light an indicator when high volume occurs.

Select one of the following parameter types, and then make the appropriate setting.

- 。Input Ch Level
- 。Fx RTN Level
- 。Matrix Out Level
- $_{\circ}\,$  ZONE Out Level
- 。Output Ch Level

- $_{\circ}\,$  1st Priority Mix Level
- $_{\circ}\,$  2nd Priority Mix Level
- $_{\circ}\,$  Input Ch DCA Group
- $_{\circ}\,$  ZONE Out DCA Group

## • [Parameter1]

Specify the channel that will be used to control the [GPI OUT] connector.

## • [Output Type]

Specifies how output will occur from the [GPI OUT] connector.

## ' [MTX Send Level]

You can use this to fader-start a CD player, or to light an indicator when high volume occurs. Select one of the following parameter types, and then make the appropriate setting.

- 。Input Ch Send Level
- $_{\circ}\,$  Fx RTN Send Level

## • [Alert]

A signal will be output to the [GPI OUT] connector when an alert occurs.

## • [Parameter1]

Select the type of alert from the following. For details on the type of alert that is output, refer to "Alert list".

- Fault, Error, Warning
- Fault, Error
- Fault

## • [Output Type]

Only Closed can be selected. If an alert is occurring, the [GPI OUT] connector will be closed. The closed state will continue until the alert has been cleared.

## 15.7.5. "External Events" dialog box

Click the [Tools] button on the device sheet and then click [External Events...] to open this dialog. Here you can make settings for a command that will be transmitted to the network to which the Dante connector or NETWORK connector is connected. This command can be triggered by recalling a preset on the MTX; or by input from GPI IN; or by operation of an external device such as a DCP unit.



Only commands are transmitted, and any reply to the commands will be discarded.

| +> Ext | ernal Events  |        |       |        |      |          |         |        |           |              |       |                                  |     |
|--------|---------------|--------|-------|--------|------|----------|---------|--------|-----------|--------------|-------|----------------------------------|-----|
| Even   | t No.         | 01 Eve | nt 01 |        | ~    | Event Mo | de      | On/Off |           | × =          |       |                                  |     |
| Even   | t Name        | Event  | )1    |        |      |          |         |        |           |              |       |                                  |     |
| Cont   | rolled Device |        |       |        |      |          |         |        | Test - On | Test - Off   |       |                                  |     |
|        | Protocol      |        |       | IP Add | ress | Po       | ort No. | c      | omments   |              |       |                                  |     |
| 1      | None          | -      |       |        |      | 0        | ÷       |        |           |              |       |                                  |     |
| 2      | None          | ~      |       |        |      | 0        | *       |        |           |              |       |                                  |     |
| 3      | None          | ~      |       |        |      | 0        | *<br>*  |        |           |              |       |                                  |     |
| 4      | None          | ~      |       |        |      | 0        | 4<br>*  |        |           |              |       |                                  |     |
| 5      | None          | ~      |       |        |      | 0        | *<br>*  |        |           |              |       |                                  |     |
| Com    | mand          |        |       |        |      |          |         | Сору   | Paste     |              |       |                                  |     |
|        | On            |        |       |        |      |          |         |        |           | Converter >> |       | ● ASCII to Hex ○ Hex to ASCII    |     |
|        |               |        |       |        |      |          |         |        |           |              |       |                                  | _   |
| Hex    |               |        |       |        |      |          |         |        |           | Test         | ASCII |                                  |     |
|        |               |        |       |        |      |          |         |        |           |              |       |                                  |     |
|        | Off           |        |       |        |      |          |         |        |           |              |       | O Convert Res                    | ese |
| Нех    |               |        |       |        |      |          |         |        |           | Test         | Hex   |                                  |     |
|        |               |        |       |        |      |          |         |        |           |              |       |                                  |     |
|        | Overwrite     |        |       |        |      |          |         |        | ОК        | Cancel       |       | To Command - On To Command - Off |     |

You can set up to 20 events. You can set up to 5 commands per event.

• Menu button (  $\equiv$  )

Click this button to execute the following functions.

• [Copy Event]

Copies the contents of the selected event to the copy buffer.

- **[Copy All Event]** Copies the contents of all events to the copy buffer.
- **[Paste Event]** Overwrites the event settings in the copy buffer.
- [Clear Event] Initializes the contents of the selected event.
- [Clear All Event] Initializes the contents of all events.
- [Event No.] list box Specify the event number.

## • [Event Mode] list box

Specify whether the triggered command is the [On/Off] or [1shot] type. When an event is assigned to the button on an external device, such as a DCP unit, each command type will cause the following operation:

## • [On/Off]

Pressing the assigned button repeatedly will cause the MTX to transmit the On command and Off command alternately.

• [1shot]

Pressing the assigned button will cause the MTX to transmit the programmed command.

• [Event Name] text box Specify the name of the event.

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## [Test - On]/[Test - Off] button

ProVisionaire Design will directly transmit commands specified in the "Controlled Device" table in numerical order. If [1shot] has been selected in the [Command Type] list box, the [Test - Off] button will be disabled.



You can execute command transmission on-line or off-line.

## • "Controlled Device" table

Specify information for the device that will receive commands. When the device receives a trigger signal, it will transmit commands in numerical order, as shown in the table.

For details on settings for the receiving device, refer to the documentation for the corresponding device regarding commands.

## • [Protocol] list box

Select the protocol supported by the device that receives the commands.

#### • [IP Address] text box

Specify the IP address of the device that receives commands.

#### • [Port No.] text box

Specify the port number of the device that receives commands.

#### • [Comments] text box

You can enter up to 32 bytes of text. This text could be a device name that would help you identify the device.

## • [Copy] button

Copies the information for the selected command specified in the "Controlled Device" table and Command text box to the copy buffer.

#### · [Paste] button

Pastes (and overwrites) the information from the copy buffer into the "Controlled Device" table and Command text box.

#### • [Test] button

ProVisionaire Design will directly transmit commands that are entered in the Command text box.

#### ' [Overwrite] / [Insert] button

Click this button repeatedly to toggle between Overwrite and Insert. While the [Insert] button is displayed, you can insert a hexadecimal number at the beginning or in the middle of the text in the Command text box.

#### Command text boxes

If [On/Off] has been selected in the [Event Mode] list box, repeatedly pressing the button on an external device, such as a DCP unit, will cause the MTX to transmit the On command and Off command alternately. If [1shot] has been selected in the [Event Mode] list box, repeatedly pressing the button on an

external device, such as a DCP unit, will cause the MTX/MRX to transmit the programmed commands.

Commands should be hexadecimal numbers, and entered in the format of XX.

If a command for controlling an external device is expressed by a text string in the relevant specification document, use the Converter area to convert the text string into a hexadecimal number.



The maximum command length is 128 bytes.

#### · [Converter>>] button

Displays an area where you can convert a text string into a hexadecimal number.

#### ' [ASCII to Hex]/[Hex to ASCII] option button

Select whether you want to convert a text string to a hexadecimal number or vice versa.

## ' [ASCII]/[Hex] text box

The upper text box name will be ASCII or Hex, depending on the selection of the [ASCII to Hex]/[Hex to ASCII] radio buttons.

Click the [Convert] button to display the conversion result in the lower text box.

## ' [Reset] button

Erases the contents in the [ASCII]/[Hex] text boxes.

## ' [To Command] button

Displays the hexadecimal command (that has been converted from the text string) in the Command text box.

If you selected [On/Off] in the [Command Type] list box, the [Command - On] button and [Command - Off] button will appear to let you choose which button the command should be applied to.

## • [OK] button

Updates the settings and closes the dialog box. If the IP address or the command format is invalid, an error message will appear and the dialog box will not close.

#### ' [Cancel] button

Closes the dialog box without updating the settings.

## 15.7.6. "Recall Settings" dialog box

Click on [Recall Settings] in the "Presets" area of the device sheet to open this dialog. Configures settings related to the DCP library and External Event that are recalled at the same time when a preset is recalled.

| 🕂 Setting (01 Pr                | eset 01)           |          |          |           |          |          |          | $\times$ |
|---------------------------------|--------------------|----------|----------|-----------|----------|----------|----------|----------|
| DCP Library<br>No Assign $\sim$ | External<br>No Ass |          |          |           |          |          |          |          |
| GPI Out                         |                    |          |          |           |          |          |          |          |
| 1                               | 2                  | 3        | 4        | 5         | 6        | 7        | 8        |          |
| Active                          | Active             | Active   | Active   | Active    | Active   | Active   | Active   |          |
| Inactive                        | Inactive           | Inactive | Inactive | Inactive  | Inactive | Inactive | Inactive |          |
| Ignore                          | Ignore             | Ignore   | Ignore   | Ignore    | Ignore   | Ignore   | Ignore   |          |
|                                 |                    |          |          |           |          |          |          |          |
|                                 |                    |          | SD Card  | File List |          |          |          |          |
|                                 | Assign]<br>Assign] |          |          |           |          |          | \$       |          |
|                                 |                    |          |          |           |          | ОК       | Cancel   |          |

## • DCP Library

Selects the DCP library to be recalled at the same time when a preset is recalled.

## • External Event

Selects the Event to be output at the same time when a preset is recalled. Select the event number set in the "External Events" dialog box.

' GPI Out

Configures the GPI OUT setting that is output at the same time when a preset is recalled. An external device connected to the [GPI OUT] terminal on the main unit is controlled using the output of GPI OUT.

## [Active]/[Inactive]/[Ignore] button

Specify whether the GPI OUT connector's output will be enabled (Active), enabled with the OUTPUT TYPE inverted (Inactive), or ignored (Ignore).

If the [OUTPUT TYPE] in the GPI Output dialog is set to [Pulse] or [Pulse Inv.], only [Active] or [Ignore] can be selected.

If in the "Settings" dialog box, the [OUTPUT TYPE] setting is set to [Pulse] or [Pulse Inv.], the only available choices will be [Active] and [Ignore].

• If [Active] is specified

When [OUTPUT TYPE] is [ Closed], the [GPI OUT] pin will be closed (connected to ground). When [OUTPUT TYPE] is [ Open], the [GPI OUT] pin will be open. When [OUTPUT TYPE] is [ Pulse], the [GPI OUT] pin will be closed (connected to ground) for approximately 250 ms. When [OUTPUT TYPE] is [ Pulse Inv.], the [GPI OUT] pin will be open for approximately 250 ms.

• If [Inactive] is specified

When [OUTPUT TYPE] is [ Closed], the [GPI OUT] pin will be open. When [OUTPUT TYPE] is [ Open], the [GPI OUT] pin will be closed (connected to ground).

## • If [Ignore] is specified

There will be no change in the output. Use this setting if a different function is assigned to GPI OUT and you don't want that function to be affected by preset recall.

## $_{\circ}\,$ SD Song Select & Play

• Pause

Stops the file being played at the same time as preset recall.

• Play

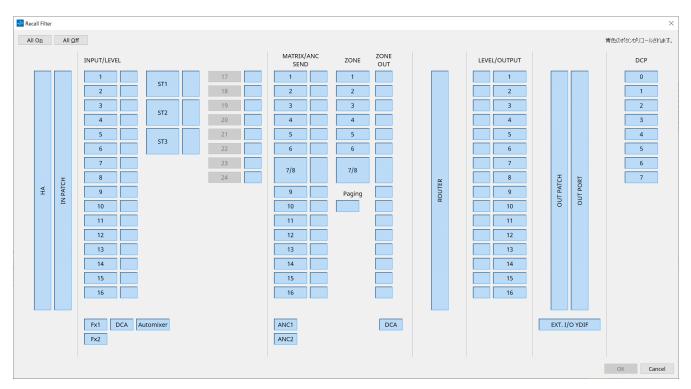
Plays the specified file at the same time as preset recall.

Specifies the index number of the list in the "SD Card File Manager" dialog box.

## 15.7.7. "Recall Filter" dialog box

Click on [Recall Filter] in the "Presets" area of the device sheet to open this dialog.

Here you can specify which parameters will be recalled when you recall a preset. For example if the input/output levels do not change for any of the presets, you can exclude the INPUT LEVEL and OUTPUT LEVEL from recall, so that the level settings can stay the same without your having to re-specify the levels for each preset.



## • [All On] button

Turns on (blue) all of the buttons. All parameters will be recalled.

## • [All Off] button

Turns off (white) all of the buttons. None of the parameters will be recalled.

## • Parameter select buttons

## • [HA] button

If this is on, the HA gain and phantom power (+48V) settings of the input ports will be recalled.

## ' [IN PATCH] button

If this is on, the input patch settings and input channel names will be recalled. These buttons include patching to the MY4-AEC input channels From Far-end, Farend Voice, Near-end Mic., Near-end Voice, and To Far-end.

## ' [INPUT]/[LEVEL] button

If the [INPUT] button is on, the following input channel settings will be recalled. Input channels: Phase, HPF, Digital Gain, PEQ, COMP, GATE, AGC, FBS, Insert on/off Insert on/off is only for the MTX5-D.

Stereo input channels: Digital Gain, PEQ, AGC, COMP

If the [LEVEL] button is on, the input channel level and on/off (mute) settings will be recalled. These can be specified individually for each channel.



In the "MTX Configuration" dialog box, if [INPUT PORT SETUP] is changed from "MONO x2" to "STEREO," the settings of the [INPUT]/[LEVEL] buttons will follow the "L" side.

## • [Fx1]/[Fx2] button

If these buttons are on, the effect type and the following settings will be recalled.

- 。Send level from the input channel to the effect bus, send on/off
- 。Effect return level, on/off (mute)
- 。Effect return name

## • [DCA] button (INPUT side)

If this is on, the following settings will be recalled.

- $_{\circ}\,$  The input channel's assignment to DCA or mute group
- 。Main level of the DCA group
- $_{\circ}\,$  Main mute of the mute group

## • [Automixer] button

If this is on, the settings of the Dugan Automixer will be recalled.

## • [MATRIX SEND] button

If the button at the left is on, the following settings will be recalled. If the button at the right is on, the matrix out level will be recalled.

- $_{\circ}$  Send level from the input channel to the matrix bus, send on/off, and stereo channel pan
- $_{\circ}\,$  Send level from effect return to the matrix bus, send on/off, and stereo channel pan

## ' [ANC1 SEND]/[ANC2 SEND] button

If these buttons are on, the send level from the input channel to the ANC bus and the send on/off status will be recalled.

## ' [ZONE] button

If this is on, the following settings will be recalled.

- 。 Priority Source of 1st Priority, Mix Level, Ducker
- 。Priority Source of 2nd Priority, Mix Level, Ducker
- $_{\circ}~\text{ANC}$
- $_{\circ}\,$  Zone name



In the "MTX Configuration" dialog box, if [INPUT PORT SETUP] is changed from "MONO x2" to "STEREO," the setting of the [ZONE] button will follow the oddnumbered zone.

## • [PAGING] button

Turning this on recalls the setting of the PAGING [ON] button.

## ' [ZONE OUT] button

If this is on, the ZONE Out Level and on/off (mute) will be recalled.

## • [DCA] button (ZONE side)

If this is on, the following settings will be recalled.

- $_{\circ}\,$  ZONE Out's channel assignment to DCA or mute group
- $_{\circ}\,$  Main level of the DCA group
- $_{\circ}\,$  Main mute of the mute group

## ' [ROUTER] button

If this is on, the router settings will be recalled.

## \* [LEVEL]/[OUTPUT] button

If the [LEVEL] button is on, the output channel level and on/off (mute) settings will be recalled. If the [OUTPUT] button is on, the Room EQ, Delay, and Speaker Processor settings will be recalled. These can be specified individually for each channel.

## ' [OUT PATCH] button

If this is on, the output patch settings and output channel names will be recalled.

#### ' [OUT PORT] button

If this is on, the output port's output gain and polarity settings will be recalled.

#### • [EXT. I/O YDIF] button

If this is on, settings for the audio that is output from the MTX to YDIF when in Distribution mode will be recalled.

#### • [DCP] button

If this is on, the parameter assignments of the DCP (digital control panel) unit connected to the MTX/MRX will be recalled. The button shows the ID of the DCP.

## • [MY4-AEC] button (MTX5-D only)

If this is on, the settings of the MY4-AEC installed in the MTX5-D will be recalled. The following settings are outside the recall settings of the [MY4-AEC] button.

From Far-end, Far-end Voice, Near-end Mic., Near-end Voice, and To Far-end (included in the [IN PATCH] button range)

 $_{\circ}$  SRC

## 15.7.8. "Sampling Rate Converter" dialog box

Click to open "Sampling Rate Converter" in the context menu of the "Slot In" or "Slot Out" component editor. Here you can turn on/off the SRC (Sampling Rate Converter) of the MY4-AEC or MY8-AE96S that is installed in the device's slot, and specify the word clock setting of the output.

| 🖶 Sampling Rate Con | verter | ×         |
|---------------------|--------|-----------|
| 01 MTX5-D:MY4-A     | \EC    |           |
| IN                  | OUT    |           |
|                     |        | Fs Type   |
| 1/2 ON              | 1/2 ON | 44.1k ~   |
| 3/4 ON              | 3/4 ON | 44.1k ~   |
|                     |        | OK Cancel |
|                     |        |           |

## ' [ON] button

Switches the SRC on/off. The button also shows the on/off status.

## \* [Fs Type] box (MY4-AEC only)

This selects the word clock that will be output from the MY4-AEC when SRC is on. If you select AES/EBU\_IN\_CH1/2, the word clock that is received at input 1/2 of the MY4-AEC will be output. If you select AES/EBU\_IN\_CH3/4, the word clock that is received at input 3/4 of the MY4-AEC will be output.

## • [OK] button

Applies the settings and closes the dialog box.

## · [Cancel] button

Closes the dialog box without applying the settings.

# 15.8. Alert list

The alerts generated by MRX7-D/MTX5-D/MTX3 units, and their significance and the appropriate actions, are listed below.

If the problem is not solved, please contact your Yamaha dealer.

| Alert<br>number | Meaning   | Response  |
|-----------------|---|---|
| 01–09           | The device has not started up correctly.  | Turn the power off, then turn on after waiting at least 6<br>seconds. If this does not solve the problem, please<br>initialize the memory. Should this also fails, contact<br>your Yamaha dealer.   |
| 10              | The internal backup battery has been completely exhausted or is not installed.  | When you turn off the power, the current settings will<br>be lost, and will return to the default values. Please<br>stop use immediately, and contact your Yamaha<br>dealer.  |
| 11              | The internal backup battery has run<br>extremely low, and it is possible that the<br>internal memory has been cleared.                | When you turn off the power, the current settings will<br>be lost, and will return to the default values. Please<br>stop use immediately, and contact your Yamaha<br>dealer.  |
| 12              | The internal backup battery has only a small amount of power remaining.   | This does not affect the operation of the device.<br>However, if you continue using the device, the settings<br>may be lost and reset to the default values. Contact<br>your Yamaha dealer as soon as possible.   |
| 13              | A problem has occurred with the internal<br>clock, and it has been initialized (January 1,<br>2000, 0:00).                            | If this occurs each time you turn on the power, it is<br>possible that the internal backup battery has run down<br>or that the device has malfunctioned. Contact your<br>Yamaha dealer.<br>If this occurs only once, an abnormality was detected<br>with the clock setting and it was initialized; use<br>ProVisionaire Design to set the time. |
| 14              | The current preset saved in internal memory has been lost.  | Recall the preset. If this does not solve the problem, contact your Yamaha dealer.  |
| 15              | The settings saved in internal memory have been lost.   | Either the internal backup battery has run low, or the device has malfunctioned. Contact your Yamaha dealer.  |
| 20              | An unsupported Mini-YGDAI card is inserted<br>in the slot, or the inserted Mini-YGDAI card<br>has malfunctioned.                      | Replace the card with a supported Mini-YGDAI card or<br>check that the supported Mini-YGDAI card is working<br>correctly in another Host.   |
| 21              | The word clock leader has become unlocked.  | Make sure that the word clock signal is being input correctly.  |
| 22              | The digital signal being input to the [YDIF<br>IN] connector is not synchronized to the<br>word clock of this device.                 | Make sure that YDIF cables are properly connected.<br>Use cables that meet the required specifications.   |
| 23              | The digital signal being input to the [YDIF<br>IN] connector is not continuously<br>synchronized to the word clock of this<br>device. |   |

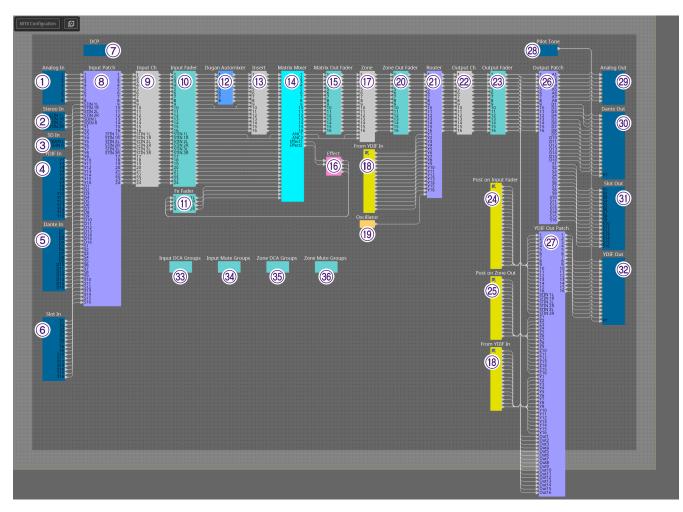
| Alert<br>number | Meaning  | Response  |  |  |
|-----------------|--|---|--|--|
| 24              | The digital signal being input to the slot is<br>not synchronized to the word clock of this<br>device.                   | Either input a signal that is synchronized, or specify the slot as the word clock leader.   |  |  |
| 25              | The digital signal being input to the slot is<br>not continuously synchronized to the word<br>clock of this device.      |   |  |  |
| 26              | The digital signal being input to the Dante<br>connector is not synchronized to the word<br>clock of this device.        | Either input a signal that is synchronized, or specify the Dante as the word clock leader.  |  |  |
| 27              | The digital signal being input to the Dante connector is not continuously synchronized to the word clock of this device. |   |  |  |
| 28              | The Dante sampling frequency has been<br>changed to match the word clock leader of<br>this unit.                         | Check the word clock setting of this unit. Then set the sampling frequency of the Dante network.  |  |  |
| 30              | There is a problem with the connection of the [YDIF IN] connector.   | Make sure that YDIF cables are properly connected.<br>Use cables that meet the required specifications.   |  |  |
| 40              | Duplicate IP addresses.  | Change the IP addresses so that there are no duplicates.  |  |  |
| 41              | IP address was not set within 60 seconds of startup.   | Please check rear panel DIP switch 6 (IP Setting). If DIP<br>switch 6 is set to "PC," use ProVisionaire Design or<br>DHCP server to specify the device IP address.  |  |  |
| 42              | A device within the MTX system was not found on the network.   | Power-on all devices in the system, and make sure that they are correctly connected to the network.   |  |  |
| 43              | Too many devices are connected to the network.   | Reduce the number of devices connected to the network.  |  |  |
| 46              | Dante transmission flow count exceeded the limit.  | Maximum Dante Flow rate exceeded. Try changing parts of transmission flows to Multicast using Dante Controller.   |  |  |
| 50              | The UNIT ID is set to "00."  | Set the UNIT ID to something other than "00."   |  |  |
| 51              | Devices with identical UNIT IDs were found connected within the same network.  | Change the UNIT ID so that there are no duplicates.   |  |  |
| 52              | A communication error occurred with the<br>[DCP] connection.   | <ul> <li>If an error was shown in the DCP panel, refer to the DCP owner's manual and take the appropriate action.</li> <li>Ensure that the panel ID of the DCP units do not conflict.</li> <li>Verify that the cables are correctly connected and are within the specified length.</li> </ul> |  |  |
| 53              | [The DCP connected to the [DCP] connector<br>has been configured differently from the<br>project settings.               | <ul> <li>Check that the required DCP is connected.</li> <li>Check whether a different model of DCP might be connected.</li> </ul>   |  |  |
| 56              | SD memory card was not recognized.   | Use an SD memory card that complies with the specifications.  |  |  |

| Alert<br>number               | Meaning   | Response   |
|-------------------------------|---|--|
| 58                            | Unable to play the specified file or folder in the SD player.   | Verify that the specified audio file or folder exists in the SD memory card. There must be at least one playable audio file in the specified folder.   |
| 60                            | A preset recall attempt has failed.   | Initialize the memory of the device. If this does not solve the problem, contact your Yamaha dealer.   |
| 61                            | The recall could not be executed because<br>the preset to be recalled when the MTX<br>starts up was not found.  | Specify a preset that exists. No sound will be output unless an appropriate preset is recalled.  |
| 64                            | The preset could not be recalled.   | <ul> <li>The Preset selected for recall cannot be recalled as<br/>no data has been stored to it.</li> <li>Another device may have been added after presets<br/>were stored. Please synchronize and check all presets<br/>using ProVisionaire Design, edit as necessary and<br/>store again.</li> </ul> |
| 70                            | Synchronization has not been completed. It<br>may be that synchronization was halted<br>before completion.  | Perform synchronization again using ProVisionaire<br>Design. If this does not solve the problem, initialize the<br>memory of the device and synchronize again. If this<br>also fails, contact your Yamaha dealer.  |
| 71                            | The UNIT ID settings when synchronization<br>was performed do not match the current<br>UNIT ID settings.  | Do not change any UNIT ID's after performing<br>synchronization. If you've changed any UNIT ID's,<br>perform synchronization again.  |
| 72<br>(MRX7-<br>D/MTX5-<br>D) | Because this device has Dante Device Lock<br>enabled, the settings of device DIP<br>switches and ProVisionaire Design do not<br>match current Dante settings. | If you have Dante Device Lock enabled, please disable<br>using Dante Controller, review device DIP switch<br>settings and ProVisionaire Design's Dante settings, and<br>edit as necessary to match the current situation.  |
| 80<br>(MRX7-D<br>only)        | The audio file for the Speech Privacy component does not exist.   | Install it using the Install Speech Privacy File dialog.   |

# **15.9. Component editors**

The component editor allows you to set and adjust each component of the selected device.

When you double-click a component in the device sheet, the component editor opens. Here we explain the MTX-specific component editor. For details about other components, refer to the "ProVisionaire Design Component Guide".



| Numbe<br>r | Component name        | Details   | Link                         |
|------------|-----------------------|---|------------------------------|
| 1          | Analog In             | Displays the settings related to<br>the [INPUT] terminal input and<br>the level of the audio signal being<br>input. | "Analog In" component editor |
| 2          | Stereo In             | Displays the audio signal level<br>being input from the [ST IN]<br>terminal.  |                              |
| 3          | SD In                 | Sends the audio signal that is being played from SD memory.   |                              |
| 4          | YDIF In               | Displays the audio signal level input from the [YDIF] terminal.   |                              |
| 5          | Dante In(MTX5-D only) | Sends the audio signal input from the [Dante] terminal.   |                              |

| Numbe<br>r | Component name       | Details   | Link                                   |
|------------|----------------------|---|--|
|            | Slot In(MTX5-D only) | Displays the audio signal level<br>being input from the Mini-YGDAI<br>card.   | "MY4-AEC" component editor             |
| 6          |                      | Right-click the [Slot in] or [Slot<br>Out] component, select the "Mini-<br>YGDAI Card" in the context menu<br>and then select the MY4-AEC<br>card "MY4-AEC " component will<br>be displayed.          |  |
| 7          | DCP                  | Sets the DCP control panel.   | "DCP"                                  |
| 8          | Input Patch          | Assigns the input source to an input channel.   |  |
| 9          | Input Ch             | Performs signal processing for input channels.  | "Input CH" component editor            |
| 10         | Input Fader          | Adjusts the level of the input channel.   |  |
| 1)         | Fx Fader             | Adjusts the level of the effect return.   |  |
| 12         | Dugan Automixer      | In speech applications, the MTX3<br>automatically adjusts the auto-<br>mix gain for input channels 1 to<br>4, and the MTX5-D automatically<br>adjusts the auto-mix gain for<br>input channels 1 to 8. | "ProVisionaire Design Component Guide" |
| 13         | Insert (MTX5-D only) | Turns the Mini-YGDAI card insert<br>ON or OFF.  | "Insert" component editor              |
| 14         | Matrix Mixer         | Mixes the input channel signals and sends them to each ZONE.  | "ProVisionaire Design Component Guide" |
| 15         | Matrix Out Fader     | Adjusts the level from the matrix mixer to the ZONE.  |  |
| 16         | Effect               | Adjusts the effect(s).  |  |
| Ŵ          | Zone                 | This screen is used to specify<br>settings related to the PGM1<br>(MTX5-D only) and to output<br>signals based on the priority of<br>the input signal.  | "Zone" component editor                |
| 18         | From YDIF In         | The input signal from the ④<br>[YDIF IN] terminal.  |  |
| 19         | Oscillator           | Outputs the oscillator signal.  |  |
| 20         | Zone Out Fader       | Adjusts the ZONE output level.  |  |
| 21         | Router               | Assign signals to output channels.  | "ProVisionaire Design Component Guide" |

| Numbe<br>r | Component name             | Details  | Link   |
|------------|----------------------------|--|--|
| 22         | Output Ch                  | Performs signal processing on the output channel.  | "Output CH" component editor                   |
| 23         | Output Fader               | Adjusts the level of the output channel.   |  |
| 24         | Post on Input Fader        | The output signal from ⑩ [Input<br>Fader] or ⑫ [Dugan Automixer].  |  |
| 25         | Post on Zone Out           | The output signal from @ [Zone<br>Out Fader].  |  |
| 26         | Output Patch               | Assigns output signals to the various types of output terminals.   |  |
| 2          | YDIF Out Patch             | Assigns output signals to the [YDIF] terminal.   |  |
| 28         | Pilot Tone                 | Sets the pilot tone.   | "Pilot Tone" component editor                  |
| @          | Analog Out                 | Displays the settings related to<br>the [OUTPUT] terminal output<br>and the level of the audio signal<br>being output. | "Analog Out" component editor                  |
| 30         | Dante Out (MTX5-D<br>only) | Specifies the Dante output-<br>related settings.   | "ProVisionaire Design Component Guide"         |
| 3)         | Slot Out (MTX5-D only)     | Displays the settings related to<br>the Mini-YGDAI card output and<br>the level of the audio signal being<br>output.   | "Slot Out" component editor                    |
| 32         | YDIF Out                   | Outputs to the [YDIF] terminal.  |  |
| 33         | Input DCA Groups           | Sets the DCA group for the input channel.  | "DCA Groups"/"Mute Groups" component<br>editor |
| 34)        | Input Mute Groups          | Sets the mute group for the input channel.   | "DCA Groups"/"Mute Groups" component<br>editor |
| 35         | Zone DCA Groups            | Sets the DCA group for the ZONE output.  | "DCA Groups"/"Mute Groups" component<br>editor |
| 36         | Zone Mute Groups           | Sets the mute group for the ZONE output.   | "DCA Groups"/"Mute Groups" component<br>editor |

## 15.9.1. "Analog In" component editor

Here you can make settings to the HA (head amp) of the [INPUT] jack, and view the levels of the audio signals that are being input.

| l | E Analog  | In  |   |   |   |   | _   | ×   |
|---|---|---|---|---|---|---|---|---|
| 1 | IN 1  | IN 2  | IN 3  | IN 4  | IN 5  | IN 6  | IN 7  | IN 8  |
| 2 | Over<br>3<br>6<br>9<br>12<br>12<br>15<br>18<br>24<br>30<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>18<br>18<br>24<br>30<br>30<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>18<br>18<br>18<br>15<br>30<br>50<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>18<br>18<br>18<br>18<br>10<br>10<br>50<br>60 | Over<br>3<br>6<br>9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>30<br>50<br>60 | Over<br>3<br>6<br>9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>18<br>18<br>18<br>18<br>10<br>10<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>18<br>18<br>18<br>18<br>15<br>30<br>50<br>60 |
| 3 | GAIN<br>GAIN<br>30dB  | GAIN<br>C<br>30dB   | GAIN<br>GAIN<br>30dB  | GAIN<br>GAIN<br>30dB  | GAIN<br>CO<br>30dB  | GAIN<br>CO<br>30dB  | GAIN<br>GAIN<br>30dB  | GAIN<br>C<br>30dB   |
| 4 | +48V  | +48V  | +48V  | +48V  | +48V  | +48V<br>MTX:mtr_5   | +48V  | +48V  |

## 1 Channel index

Indicates the analog input jack number.

## 2 Level meter

Indicates the analog input level.

## 3 [GAIN] knob

Adjusts the analog gain of the HA (head amp).

## ④ [+48V] button

Turns the HA phantom power (+48V) on/off.



Be sure to leave this button off if you do not need phantom power.

When turning phantom power on, you must observe the precautions below in order to prevent noise and

possible damage to the unit and to external devices.

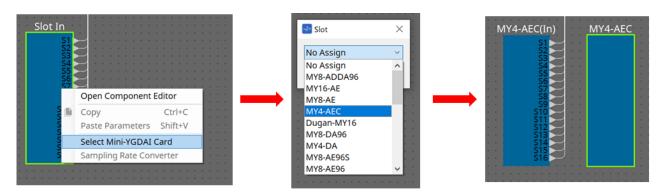
• Leave this button off if a device that does not support phantom power is connected to the [INPUT] connector.

- Do not connect/disconnect a cable to/from the [INPUT] connector while this button is on.
- Lower the output level to the minimum before turning phantom power on/off.

There is no +48V Active switch. To avoid malfunctions, be sure to set this appropriately for the equipment that is connected.

## 15.9.2. "MY4-AEC" component editor

Right-click the [Slot in] or [Slot Out] component (MTX5-D only), select the "Mini-YGDAI Card" in the context menu and then select the MY4-AEC card "MY4-AEC" component will be displayed.





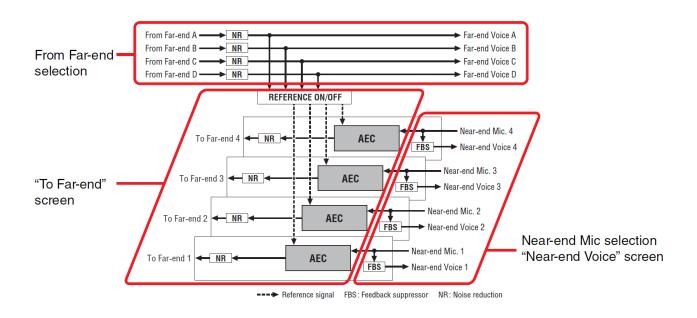
In this screen you can make settings for the signals of the MY4-AEC.

In a teleconferencing system, the local and remote environments are respectively called the Near-end and Farend.

The MY4-AEC's acoustic echo canceller (AEC) determines the echo component included in the mic input signal by using the signal from the Far-end as the reference signal, and subtracts only the

echo component of the Far-end from the mic input signal. This allows clear audio from the Near-end to be transmitted to the other party.

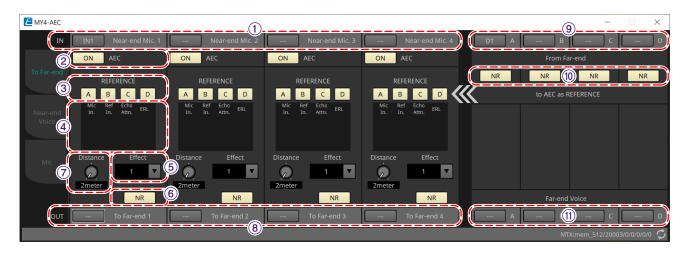
The MY4-AEC's signals can be specified using the following choices and screens.



| From Far-end   | Input signals from the remote location (the other party)                                      |
|----------------|---|
| Far-end Voice  | Signals from the remote location reproduced by the speakers of the local location (your side) |
| Near-end Mic.  | Input signals from local mics   |
| Near-end Voice | Signals from local mics reproduced by local speakers  |
| To Far-end     | Echo-cancelled signals of local mics sent to the remote location                              |

## "To Far-end" screen

In this screen you can make echo-cancel settings for the mics. The mic signal after echo-cancellation is output to the remote location.



## 1 [Near-end Mic] selection buttons

Here you can select the ports for the local mics (Near-end Mic). When you click a port select button, the "Input Patch" dialog box will appear. The button shows the currently selected port.

## 2 AEC [ON] button

Switches the echo canceller function on/off.

## ③ REFERENCE [A][B][C][D] button

These buttons select whether the signal specified by the From Far-end selection will be used as the AEC reference signal (REFERENCE).

If multiple signals are selected, they will be mixed.

## ④ Meters

• Mic In. meter

Indicates the level of the signal that is input from your own mic (Near-end Mic).

\* Ref In. meter

Indicates the level of the reference signal. The most effective echo cancellation will be obtained with a level at which the yellow indicators light occasionally.

\* Echo Attn. meter

Indicates the amount of echo cancellation for each channel. Higher levels indicate that the echo canceller is working.

• ERL meter

ERL Indicates the ERL (Echo Return Loss = the level of the audio that is output from the speaker and reinput to the mic). Echo cancellation will work most effectively if you adjust the position of the speaker and

#### mic so as to minimize this level.

## (5) [Effect] list box

Specifies the amount of echo cancellation. Higher numeric values allow more echoes to be cancelled. However, the audio quality will decrease correspondingly, so you should consider the balance between these factors as you make the adjustment.

## 6 [NR] button

These are on/off switches for the noise reduction function which removes steady-state noise such as produced by a projector or air conditioner in the local location. We recommend that you leave these on.

## ⑦ [Distance] knob

This specifies the distance between the installed mic and speaker in units of meters. If multiple mics and speakers are connected, specify the distance between the mic and speaker that are closest to each other. If the distance is 2 m or less, set this to 2.

## **⑧** [To Far-end] channel select button

This button selects the output destination for the audio signals that are output to the remote location (Far-end). Click the button to open the "Output Patch" dialog box.

## (9) [From Far-end] signal selection buttons

These open the "Input Patch" dialog box, where you can select the audio signals from the remote location (From Far-end). The button shows the currently selected port or channel.

## 10 [NR] button

These are on/off switches for the noise reduction function which removes steady-state noise such as produced by a projector or air conditioner in the remote location. We recommend that you leave these on. The audio signal after noise reduction will be the reference signal (REFERENCE).

## **(1)** [Far-end Voice] selection buttons

These buttons select the output destinations for the audio signals that are output to the speakers of the local location. Click a button to open the "Output Patch" dialog box. The button shows the currently selected channel.



It is assumed that the Far-end Voice will be mixed with the Near-end Mic and output from the speakers. Therefore as seen from the MY4-AEC, the Far-end Voice is output to an input channel of the MTX.

#### "Near-end Voice" screen

| AV4-AEC                |                           |                   |                 |
|------------------------|---------------------------|-------------------|-----------------|
| IN IN1 Near-e          | nd Mic. 1 Near-end Mic. 2 | 2 Near-end Mic. 3 | Near-end Mic. 4 |
| 1 ON FBS               | ON FBS                    | ON FBS            | ON FBS          |
| To Far-end             |                           |                   |                 |
| Width                  | Width                     | Width             | Width           |
| Voice                  | 1/10oct                   | 1/10oct           | 1/10oct         |
| Depth<br>Mic 3<br>-6dB | Depth<br>-6dB ▼           | Depth<br>-6dB     | Depth<br>-6dB   |
|                        | @                         |                   |                 |
| OUT Near-er            | nd Voice1 Near-end Voice2 | 2 Near-end Voice3 | Near-end Voice4 |

In this screen you can make settings for the FBS (Feed Back Suppressor) that is built into the MY4-AEC.

## ① FBS [ON] button

This turns the feedback suppressor function on/off.

The FBS of the MY4-AEC uses the dynamic method of finding the constantly changing feedback points and updating the filter settings accordingly.

This is reset when the MTX5-D is powered-off, and will return to a state in which no notch filter is inserted.

## 2 [Width] list box

Here you can specify the rejection width of the notch filter that is inserted at the frequency where feedback is detected. Choose a narrower rejection width if the feedback suppressor causes unwanted changes in the character of the sound. A setting of "1/93" is the narrowest setting for the notch filter. However in this case, the feedback suppressor may be less effective.

## ③ [Depth] list box

Here you can specify the amount of rejection applied by the notch filter that is inserted at the frequency where feedback is detected. A setting of "-18" produces the strongest suppression of feedback. However in this case, you may notice more change in the character of the sound.

## ④ [Near-end Voice] channel select button

This button selects the output destination for the audio signal that is output locally (Near-end Voice). Click the button to open the "Output Patch" dialog box.

## "Mic" screen

When using a mic equipped with a PTT (Push To Talk) switch, a small amount of noise may be heard while the PTT switch is off. If this noise is input to the AEC, the AEC will mistakenly learn the noise, causing an echo when the PTT switch is turned on to resume speaking. In this screen you can make settings and specify the type of mic to prevent this from occurring.



## ① PTT [ON] button

If this is on, and the input level from the local mic (Near-end Mic) falls below the value specified in PTT Threshold, the system will determine that the PTT switch of the local mic has been turned off, and will stop AEC

learning. We recommend that you leave this on.

## 2 Mic In. meter

This indicates the level of the signal that is input from the local mic (Near-end Mic). This meter will also indicate the level of the noise that occurs when the PTT button of the mic is off.

## ③ [PTT Threshold] knob

This knob sets the reference level for AEC learning. If the PTT [ON] button is on, AEC learning will stop when the input signal to the local mic (Near-end Mic) falls below this level; learning will resume when the input signal

## exceeds this level.

The Mic In. meter indicates the level of the input signal.

## ④ [Mic. Type] list box

## Specify the type of mic that is connected.

Choose "Fixed" for an environment in which the distance between the mic and speaker is fixed, or "Moving" for an environment in which this distance changes, such as when a hand mic is used. Even in an environment in which the distance between the mic and speaker is fixed, choose "Moving" if the echo is obtrusive.

## 15.9.3. "Input CH" component editor

This screen performs input channel signal processing.

| E Input Ch |      |         |        |      |        | _           |             | ×        |
|------------|------|---------|--------|------|--------|-------------|-------------|----------|
| 1          | φ    | -HPF -  | - EQ - | Gate | Comp   | FBS -       | AGC         | ]—       |
| 2          | Ø    | HPF -   | EQ -   | Gate | Comp   | FBS -       | AGC         | $\vdash$ |
| 3          | φ-   | HPF -   | - EQ - | Gate | - Comp | FBS -       | AGC         | $\vdash$ |
| 4          | Ø    | HPF     | -EQ-   | Gate | Comp   | FBS -       | AGC         | <u>}</u> |
| 5          | Ø    | HPF -   | - EQ - | Gate | Comp   | FBS -       | AGC         | <u> </u> |
| 6          | Ø    | - HPF - | - EQ - | Gate | - Comp | FBS -       | AGC         | $\vdash$ |
| 7          | Ø    | HPF -   | - EQ - | Gate | - Comp | FBS -       | AGC         | $\vdash$ |
| 8          | Ø    | HPF -   | - EQ - | Gate | Comp   | FBS -       | AGC         | $\vdash$ |
| 9          | Ø    | HPF -   | - EQ - | Gate | - Comp |             |             | -        |
| 10         | Ø    | HPF     | EQ -   | Gate | Comp   |             |             | _        |
| 11         | φ    | HPF -   | - EQ - | Gate | Comp   |             |             | -        |
| 12         | Ø    | HPF     | - EQ - | Gate | Comp   |             |             |          |
| 13         | Ø    | HPF -   | - EQ - | Gate | Comp   |             |             | —        |
| 14         | Ø    | HPF -   | - EQ - | Gate | Comp   |             |             |          |
| 15         | Ø    | HPF -   | EQ -   | Gate | Comp   |             |             | _        |
| 16         | Ø    | - HPF - | - EQ - | Gate | Comp   |             |             | -        |
| STIN 1L    | Gain |         | EQ     |      | Comp   |             | AGC         | $\vdash$ |
| STIN 1R    | Gain |         | -      |      | _      |             | -           | )-       |
| STIN 2L    | Gain |         | EQ     |      | Comp   |             | AGC         | $\vdash$ |
| STIN 2R    | Gain |         | -      |      |        |             |             |          |
| STIN 3L    | Gain |         | EQ     |      |        |             |             | —        |
| STIN 3R    | Gain |         | -      |      |        |             |             | —        |
| 17-24      |      |         |        |      |        |             |             | —        |
|            |      |         |        |      |        |             |             |          |
|            |      |         |        |      | МТХ    | :mem_512/20 | 005/0/0/0/0 | 10 🗘     |

Polarity, "HPF," "EQ," "Gate," "Comp," "FBS," and "AGC" signal processing is performed.

#### Screen selection



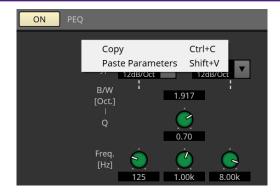
When you click on a button, you will switch to the setting screen.

For details about adjusting each parameter in the component/editor, refer to the "ProVisionaire Design Component Guide".

## • Operations common to the "INPUT" screens



Channel settings can be copied to other channels. When you right-click inside an area, a context menu will be displayed.



## 15.9.4. "Insert" component editor

This button displays a screen where you can edit the insert on/off setting eight channels at a time. If this is on, the audio signal will be sent from POST ON to the Mini-YGDAI card installed in [SLOT].

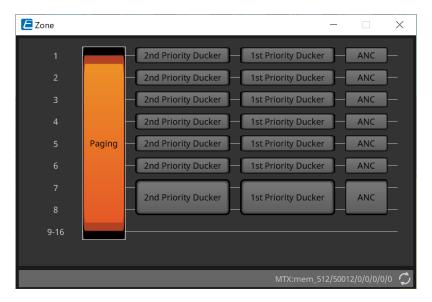




If no Mini-YGDAI card is installed, or if the installed Mini-YGDAI card does not support insertion, there will be no audio output if this is turned on.

## 15.9.5. "Zone" component editor

In this screen you can specify settings for the PGM1, and how input signal priority will control output signals.



When you click on a button, you will switch to the setting screen.

## • [Paging]

Displays the "Paging" component editor for configuring the PGM1 paging station microphone.

- [2nd Priority Ducker]
  - [1st Priority Ducker]

Displays the "Priority Ducker" component editor.

## '[ANC]

Displays the "Ambient Noise Compensator" component editor.

For more information on Ducker and ANC, please refer to the "ProVisionaire Design Component Guide" .

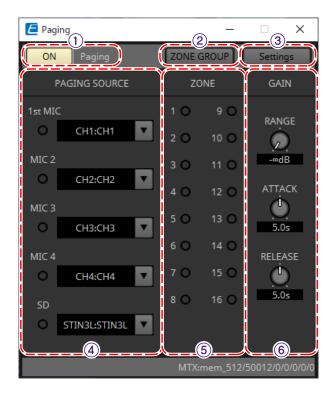
### "Paging" component editor (MTX5-D only)

In this screen you can make settings for the PGM1 paging station microphone.

Paging refers to the function of broadcasting an announcement.

For the workflow of making settings, refer to the "Workflow for paging settings."

The SD messages referred to here are standard-format announcements saved on the SD card of the MTX.



## ① Paging [ON] button

Turns the paging function on/off.

## ② [ZONE GROUP] button

The "ZONE GROUP" editor opens when this is clicked.

## ③ [Settings] button

The "PGM1/PGX1" editor opens when this is clicked.

## ④ PAGING SOURCE settings area

Indicator

This is lit if there is a currently-broadcasting PGM1 or SD.

Channel list box

Selects the paging source. Select the input channel to which a PGM1 or SD is connected. Specify 1st Mic for the input channel of the PGM1 that is specified as 1st Priority.

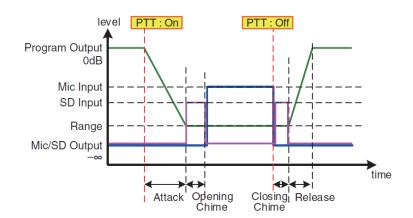
## **5 ZONE area**

## Indicator

This is lit if there is a zone that is currently broadcasting using a PGM1 or SD message.

## $\textcircled{\textbf{6}} \textbf{ GAIN setting area}$

Each knob resets to the default value if you click it while holding down the < Alt > key. In this area, you can make settings related to the line shown in green in the flow depicted below.



## ' [RANGE] knob

Specifies the Program value while the chime is sounding or while the PGM1 is broadcasting.

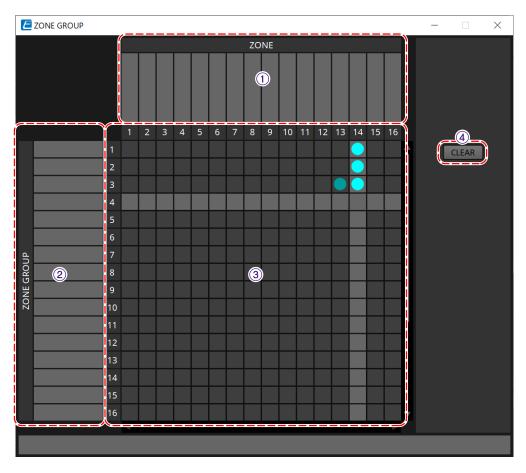
## ' [ATTACK] knob

Specifies the time from when the PGM1's PTT turns on until the program decreases to the RANGE value.

## ' [RELEASE] knob

Specifies the time from when the broadcast or the closing chime finishes playing until the program returns to its original level.

## "ZONE GROUP" editor



#### 1 Zone name

Indicates the zone name.

#### **②** Group name

Indicates the group name.

#### **③ ZONE GROUP matrix**

Specify a zone group if you want a single zone/message select button of a PGM1/PGX1 to broadcast to multiple zones. Click on the matrix to select Zones to add to the Zone Group. You can specify up to 24 zone groups.

#### ④ [CLEAR] button

Clears the ZONE GROUP that had been set.

#### "PGM1/PGX1" editor

Here you can make assignments for the zone/message select buttons of the PGM1 and PGX1, and make settings for the PTT button.

| t Pri | ority Mic \vee 🛛 The ope | eration type of the PTT but | ton should be s | et in PGM1 Propert | ies>Ut | ilities>Unlatch Enable. |   |
|-------|--------------------------|-----------------------------|-----------------|--------------------|--------|-------------------------|---|
| unc   | tion Assign Propertie    | S                           |                 |                    |        |                         |   |
|       |                          |                             |                 |                    |        |                         | Ξ |
|       | FUNCTION                 | PARAMETER                   |                 | FUNCTION           |        | PARAMETER               |   |
| 1     | No Assign 🗸 🗸            |                             | 5               | No Assign          | ~      |                         |   |
| 2     | No Assign 🗸 🗸            |                             | 6               | No Assign          | ~      |                         |   |
| 3     | No Assign 🛛 🗸            |                             | 7               | No Assign          | ~      |                         |   |
| 4     | No Assign 🗸 🗸            |                             | 8               | No Assign          | ~      |                         |   |
| PGX   | (1                       |                             |                 |                    |        |                         | Ξ |
|       | FUNCTION                 | PARAMETER                   |                 | FUNCTION           |        | PARAMETER               |   |
| 1     | No Assign 🗸 🗸            |                             | 5               | No Assign          | ~      |                         |   |
| 2     | No Assign 🗸 🗸            | •                           | 6               | No Assign          | ~      |                         |   |
| 3     | No Assign 🗸 🗸            |                             | 7               | No Assign          | ~      |                         |   |
| 4     | No Assign 🗸 🗸            |                             | 8               | No Assign          | ~      |                         |   |
| PGX   | (1                       |                             |                 |                    |        |                         | Ξ |
|       | FUNCTION                 | PARAMETER                   |                 | FUNCTION           |        | PARAMETER               |   |
| 1     | No Assign 🗸 🗸            |                             | 5               | No Assign          | ~      |                         |   |
| 2     | No Assign 🗸 🗸            |                             | 6               | No Assign          | ~      |                         |   |
| 3     | No Assign 🗸 🗸            |                             | 7               | No Assign          | ~      |                         |   |
| 4     | No Assign 🗸 🗸            |                             | 8               | No Assign          | ~      |                         |   |

## ' PGM1 select list box

Select the PGM1 unit for which you want to make settings.



PGM1/PGX1 settings can be made even if PGM1 is not connected to the MTX itself. Please connect PGM1/PGX1 properly during operation.

#### • [Function Assign] tab

Here you can assign functions to the zone/message select buttons of the PGM1 or PGX1. "FUNCTION" provides the following choices.

#### • [No Assign]

No function is assigned to the button.

## • [Zone]

Selects/de-selects the zone to broadcast. When selected, the zone/message indicator is lit.

#### • [Zone Group]

Selects/de-selects multiple zones to broadcast in a single operation.

Set the zone group using the "ZONE GROUP" editor.

The zone/message indicator is lit when broadcast is possible to all zones that are registered in the

group.

### • [SD Message]

Selects the file of the SD card to play.

### • [All Zone Off]

De-selects all zones/zone groups. This does not affect the selection status for the zones/zone groups of other PGM1/PGX1 units.

### • [All Zone On/Off]

Selects/de-selects all zones/zone groups.

This does not affect the selection status for the zones/zone groups of other PGM1/PGX1 units. The zone/message indicator is lit when broadcast is possible to all zones/zone groups.

### • Menu button ( $\equiv$ )

Click the menu button to execute the following functions.

#### • [Copy]

Copies the FUNCTION and PARAMETER settings of the corresponding device to the copy buffer.

#### • [Paste]

Pastes the FUNCTION and PARAMETER settings from the copy buffer, overwriting them onto the corresponding device.

#### • [Clear]

Initializes the FUNCTION and PARAMETER settings of the corresponding device.

### · [Properties] tab

Here you can make settings for the operation of the PCM1.

| PGM1/PGX1  |                         |                       |                     |                       |                             | ×      |
|--|-------------------------|-----------------------|---------------------|-----------------------|-----------------------------|--------|
| 1st Priority Mic $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$ | The operation type      | of the PTT button sł  | nould be set in PG  | M1 Properties>Utiliti | es>Unlatch <mark>E</mark> n | able.  |
| Function Assign  | Properties              |                       |                     |                       |                             |        |
| MTX  |                         |                       |                     |                       |                             |        |
| When MTX enters e  | emergency mode,         |                       |                     |                       |                             |        |
| Block all paging   |                         |                       |                     |                       |                             |        |
| <ul> <li>Block paging ex</li> </ul>                      | cept for 1st priority P | GM1.                  |                     |                       |                             |        |
|  |                         |                       |                     |                       |                             |        |
|  |                         |                       |                     |                       |                             |        |
|  |                         |                       |                     |                       |                             |        |
|  |                         |                       |                     |                       |                             |        |
|  |                         |                       |                     |                       |                             |        |
|  |                         |                       |                     |                       |                             |        |
| Paging Device Gro  | up                      |                       |                     |                       |                             |        |
| Opening Chime  |                         |                       |                     |                       |                             |        |
| Closing Chime  |                         |                       |                     |                       |                             |        |
| Maximum paging   | duration                | 120s                  |                     |                       | ~                           |        |
| Give priority to   | naging events set via   | Scheduler (except do  | r 1st priority PGM1 | )                     |                             |        |
|  | saging events set via   | concurrent (except do | 1 The buoticy i GHT |                       |                             |        |
|  |                         |                       |                     |                       |                             |        |
|  |                         |                       |                     |                       |                             |        |
|  |                         |                       |                     |                       | ОК                          | Cancel |

#### • MTX

### • [Stop all broadcast.] option button

If this is selected, paging broadcast including the scheduler will be stopped when the MTX is in emergency mode.

#### • [Stop broadcast except for 1st Priority PGM1] option button

If this is selected, paging broadcast will be possible only for the 1st Priority PGM1 when the MTX is in emergency mode.

#### Paging Device Group

• [Opening Chime]/[Closing Chime] check boxes

If these check boxes are selected, you can make settings for the opening chime and/ or closing chime. Click the button at right to specify the chime file that will play. This setting is shared by the PGM1 (Paging Device Group) units that are connected to the same MTX.

#### • [Maximum paging duration] list box

Selects the time after PTT is turned on until it is automatically turned off. If a message is being played back, it will not turn off even if the specified time is exceeded. This setting is shared by the PGM1 units that are connected to the same MTX.

# . [The scheduler's paging events are broadcast with higher priority than PGM1. Paging events have a lower priority than 1st Priority PGM1.] check box

If this check box is selected, the priority order will be "1st Priority PGM1 > events > normal PGM1." If this check box is cleared, the priority order will be "1st Priority PGM1 > normal PGM1 > events."

#### ' [OK] button

Saves the settings and closes the dialog box.

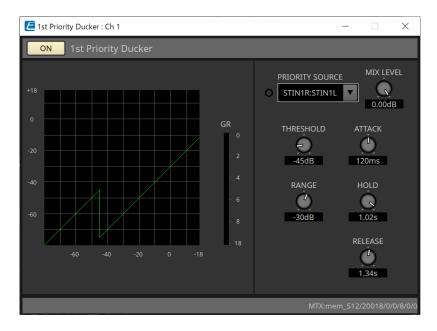
#### • [Cancel] button

Discards the settings and closes the dialog box.

### "PRIORITY DUCKER" component editor

#### You can make ducker settings.

The ducker is a function that temporarily reduces the input from one channel when an audio signal is input to another specified input channel, allowing the audio from the specified channel to be heard clearly. The priority order is as follows: "PRIORITY SOURCE" of the "1st PRIORITY" > "PRIORITY SOURCE" of the "2nd PRIORITY" > MATRIX Out signal.



### • [PRIORITY SOURCE] list

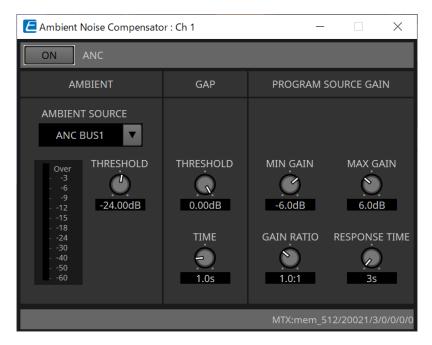
Selects the input signal for the ducker.

Select [ANC Bus] if you want the mixed signal to be the high-priority audio. The mix of audio signals to the ANC bus can be created in the "Matrix Mixer" component editor.

For details about other parameters, refer to the "ProVisionaire Design Component Guide" .

### "Ambient Noise Compensator" component editor

In this editor you can make settings for the "Ambient Noise Compensator" (subsequently called "ANC"). ANC is a function that boosts or attenuates the output signal from the MTX according to the level that is being input via an ambient noise detection mic. The ANC function provided by the MTX is a gap-type ANC that detects silent intervals such as between songs, detects the noise level during those intervals, and varies the level accordingly.



For details about parameters, refer to the "ProVisionaire Design Component Guide" .

### 15.9.6. "Output CH" component editor

This screen performs output channel signal processing.

| Cutput Ch |       |         | _              |             |
|-----------|-------|---------|----------------|-------------|
|           | Delay | Room EQ | Speaker Pro    | cessor —    |
|           | Delay | Room EQ | Speaker Pro    | cessor      |
|           | Delay | Room EQ | Speaker Pro    | cessor      |
|           | Delay | Room EQ | Speaker Pro    | cessor      |
|           | Delay | Room EQ | Speaker Pro    | cessor      |
|           | Delay | Room EQ | Speaker Pro    | cessor      |
|           | Delay | Room EQ | Speaker Pro    | cessor      |
|           | Delay | Room EQ | Speaker Pro    | cessor      |
|           | Delay | Room EQ | Speaker Pro    | cessor      |
| 10        | Delay | Room EQ | Speaker Pro    | cessor      |
| 11        | Delay | Room EQ | Speaker Pro    | cessor      |
| 12        | Delay | Room EQ | Speaker Pro    | cessor      |
| 13        | Delay | Room EQ | Speaker Pro    | cessor      |
| 14        | Delay | Room EQ | Speaker Pro    | cessor      |
| 15        | Delay | Room EQ | Speaker Pro    | cessor      |
| 16        | Delay | Room EQ | Speaker Pro    | cessor      |
|           |       |         |                |             |
|           |       | МТХ     | :mem_512/2002! | 5/0/0/0/0 🗘 |

This performs the "Delay," Room EQ," and "Speaker Processor" signal processing.

### Screen selection



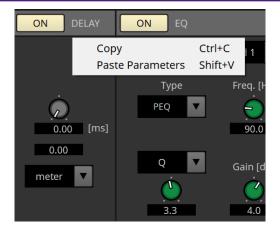
When you click on a button, you will switch to the setting screen.

For details about adjusting each parameter in the component editor, refer to the "ProVisionaire Design Component Guide".

#### • Operations common to the "OUTPUT" screens



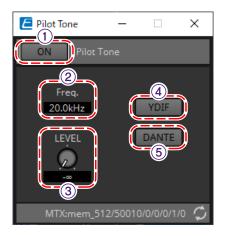
You can copy channel settings to other channels. When you right-click within the area, context menu will appear.



### 15.9.7. "Pilot Tone" component editor

You can make settings to specify whether a pilot tone is output from digital output.

When the PILOT TONE [ON] button is turned on, the pilot tone is set to the YDIF or Dante output channel that has been assigned to pilot tone output.



### ① PILOT TONE [ON] button

Sets the ON/OFF status of the pilot tone function. If OFF, the pilot tone will not be sent even if the "YDIF" or "DANTE" is set to ON.

### 2 Freq.

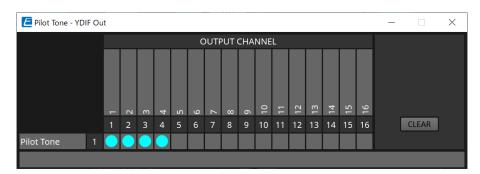
Indicates the center frequency of the pilot tone. This is fixed at 20 kHz.

### ③ [LEVEL] knob

Specifies the level of the pilot tone.

### **④ YDIF button**

The screen to set the pilot tone output to YDIF opens when this is clicked.



### **⑤ DANTE button (MTX5-D only)**

The screen to set the pilot tone output to DANTE opens when this is clicked.



### 15.9.8. "Analog Out" component editor

Here you can make settings for the [OUTPUT] jack outputs, and view the levels of the audio signals that are being output.

| l | Analog  | Out   |   |   |   |   | _   | ×   |
|---|---|---|---|---|---|---|---|---|
| 1 | OUT 1   | OUT 2   | OUT 3   | OUT 4   | OUT 5   | OUT 6   | OUT 7   | OUT 8   |
| 2 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>50<br>50<br>60 | Over<br>3<br>6<br>9<br>- 12<br>- 15<br>- 15<br>- 24<br>- 30<br>24<br>30<br>50<br>50<br>60 | Over<br>3<br>6<br>9<br>- 12<br>- 15<br>- 15<br>- 18<br>24<br>30<br>50<br>50<br>60 | Over<br>3<br>6<br>9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>24<br>- 30<br>50<br>60 | Over<br>3<br>6<br>9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>24<br>30<br>50<br>50<br>60 | Over<br>3<br>6<br>9<br>- 12<br>- 15<br>- 18<br>18<br>24<br>30<br>50<br>50<br>60 | Over<br>3<br>6<br>9<br>- 12<br>- 15<br>- 15<br>- 18<br>- 24<br>- 30<br>24<br>- 30<br>50<br>60 |
| 3 | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  | GAIN<br>C<br>0.0dB  |
| 4 | INV   | INV   | INV   | INV   | INV   | INV   | INV   | INV   |
|   |   |   |   |   |   | MTX:mtr_  | 512/20031/0,  | /meter 🗘  |

### 1 Channel index

Indicates the analog output jack number.

### ② Level meter

Indicates the analog output level.

### 3 [GAIN] knob

Adjusts the output gain.

### ④ [INV] button

Switches the polarity of the output signal.

### 15.9.9. "Slot Out" component editor

Here you can make settings for the Mini-YGDAI card outputs, and view the levels of the audio signals that are being output.

| 🗲 Slot Ou   | t   |   |   |   |   |   |   |   |   |   |   |   |   | - [   | ×   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OUT 1   | OUT 2   | OUT 3   | OUT 4   | OUT 5   | OUT 6   | OUT 7   | OUT 8 🚺   | OUT 9   | OUT 10  | OUT 11  | OUT 12  | OUT 13  | OUT 14  | OUT 15  | OUT 16  |
| Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | Over<br>3<br>6<br>9<br>12<br>- 15<br>18<br>- 24<br>- 30<br>- 40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>- 15<br>18<br>24<br>- 30<br>- 40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>40<br>50<br>60 | Over<br>3<br>6<br>9<br>12<br>15<br>18<br>24<br>30<br>50<br>60 |
| GAIN<br>C<br>0.0dB  | GAIN<br>CO<br>0.0dB   | GAIN<br>CO<br>0.0dB   | GAIN<br>CO<br>0.0dB   | GAIN<br>CO<br>0.0dB   | GAIN<br>CO<br>0.0dB   | GAIN<br>CO<br>0.0dB   | GAIN<br>COURT<br>O.OdB  | 0.0dB   | GAIN<br>CO<br>0.0dB   | GAIN<br>CO<br>0.0dB   | GAIN<br>CO<br>0.0dB   | GAIN<br>CO<br>0.0dB   | GAIN<br>CO<br>0.0dB   | GAIN<br>CO<br>0.0dB   | GAIN<br>CO<br>0.0dB   |
| INV   | INV (4  | ) INV   | INV   | INV   | INV   | INV   | INV<br>MTX:mtr_5  | INV<br>12/20032/0   | INV<br>/meter   |

### ① Channel index

Indicates the output jack number.

### ② Level meter Indicates the output level.

③ **[GAIN] knob** Adjusts the output gain.

### ④ [INV] button

Switches the polarity of the output signal.

## 15.9.10. "DCA Groups"/"Mute Groups" component editor

This is a component editor to control the level and mute for multiple channels at the same time.



These component editors can register 8 groups for the DCA group and mute group for the input channels and 8 groups for the DCA group and mute group for the ZONE output.

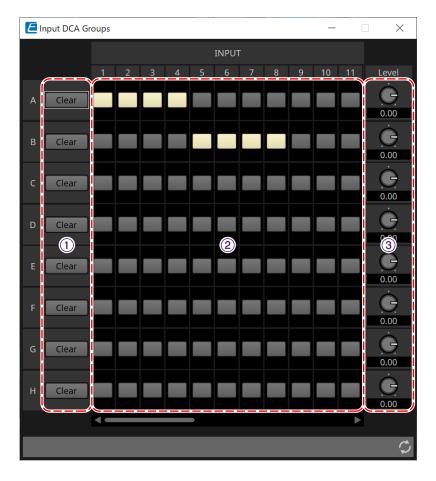
In the DCA groups, the input level or output level of multiple channels can be controlled simultaneously with a single knob.

The mute group can be used to turn multiple channels ON or OFF simultaneously.

- "Input DCA Groups" component Displays the editor to set the DCA group for the input channel.
- "Input Mute Groups" component Displays the editor to set the mute group for the input channel.
- "Zone DCA Groups" component Displays the editor to set the DCA group for the ZONE output.
- "Zone Mute Groups" component Displays the editor to set the mute group for the ZONE output.

### ■ "Input DCA Groups" component/"Zone DCA Groups" component

A screen for the "Input DCA Groups" component is shown below, but the "Zone DCA Groups" component screen has the same layout.



### ① [Clear] button

This button clears all channels assigned to the corresponding group.

### **②** Assignment channel matrix

This matrix lets you assign channels to DCA groups.

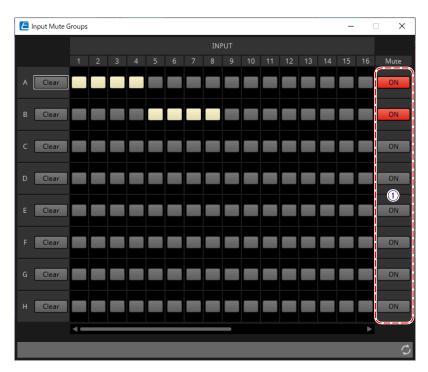
The group names are shown on the vertical axis, and the names of the channels that can be assigned are shown on the horizontal axis. Click an intersection to assign a channel to a group.

### ③ [Level] knob

Adjust the level of each DCA group.

### ■ "Input Mute Groups" component/"Zone Mute Groups" component

A screen for the "Input Mute Groups" component is shown below, but the "Zone Mute Groups" component screen has the same layout.



### ① [Mute] group main button

These buttons turn each mute group on/off.

# 15.10. Workflow for paging settings

Up to four PGM1 units can be connected to one MTX5-D unit. One PGM1 becomes the 1st Priority Mic and can be broadcast with priority over other PGM1s.

Here's an example of connecting four PGM1 units to the MTX5-D.

The mic that has higher broadcast priority than the other mics is called the 1st Priority Mic (Unit ID = 60). Patch

its output to the MTX5-D's Dante Input 1Ch.

Patch Mic2-4 (Unit ID=61-63) to Dante Input 2Ch-4Ch of MTX5-D similarly.

Configure Dante settings with Dante Controller.

- 1. In the "Project" sheet, place the MTX5-D.
- 2. Select the MTX5-D placed on the "Project" sheet.

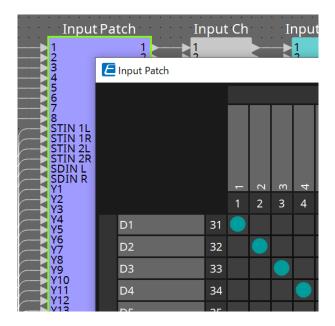
| 0                                     | 🔾 Properties  | ₹ ×        |   |
|---------------------------------------|---------------|------------|---|
|                                       | E E           | Save Style |   |
| · · · · · · · · · · · · · · · · · · · | Property      | Value      | ` |
|                                       | Device        |            |   |
| 🔍 01 MTX5-D 🖕                         | Model         | MTX5-D     |   |
|                                       | Device Name   | MTX5-D     |   |
|                                       | Unit ID       | 01         |   |
|                                       | Remote Contro | I 38400    |   |
|                                       | DCP           |            |   |
|                                       | PGM1          |            |   |
|                                       | Utilities     |            |   |
|                                       | <             | >          |   |

To display the "PGM1" dialog, first click the "Value" column of the "PGM1" in the "Property" area, then click on **m**.

3. Specify the Unit ID (60 to 63) of PGM1.

| PGM1             |              | ×   |
|------------------|--------------|---|
| PGM1             | Unit ID      | Device Name   |
| 1st Priority Mic | 60 💌         |   |
| Mic2             | 61 🗾         |   |
| Mic3             | 62 💌         |   |
| Mic4             | 63 💌         |   |
| PC Ethe          | ernet Switch | PGM 1<br>PGX 1 |

4. Open the MTX5-D's "Input Patch" component editor.



Assign D1 to Input Channel 1. Assign D2-D4 to input channels 2-4 in the same way.

<sup>5.</sup> Open the MTX5-D's "ZONE" component -  $\rightarrow$  "Paging" component editor.

| Zone                 | Zone Ou | ut Fader | Router Outpu                                | Paging  | 3             |            | · · · · · ·  |          |
|----------------------|---------|----------|---|---------|---------------|------------|--------------|----------|
| 23                   | Zone    |          |   | ON      | Paging        | ZONE       | ROUP         | Settings |
| 4<br>5<br>6<br>7     | _       |          | 2 and Delevite Developer                    | PA      | AGING SOURCE  | ZO         | NE           | GAIN     |
| 7<br>8<br>9<br>10    | 1<br>2  |          | 2nd Priority Ducker     2nd Priority Ducker | 1st MIC | СН1:СН1       | 1 0        | 9 0          | RANGE    |
| 11<br>12<br>13<br>14 | 3       |          | 2nd Priority Ducker                         | MIC 2   |               | 2 O<br>3 O | 10 O<br>11 O | -∞dB     |
| 14<br>15<br>16       | 5       | Paging   | 2nd Priority Ducker                         | 0       | CH2:CH2       | 4 O        | 12 <b>O</b>  | АТТАСК   |
| From Y[              |         |          | 2nd Priority Ducker                         | MIC 3   | СН3:СН3       | 5 ()       | 13 🔿         | 5.0s     |
|                      | 8       | -        | 2nd Priority Ducker                         | MIC 4   | СН4:СН4       | 6 O<br>7 O | 14 O<br>15 O | REREASE  |
|                      | 9-16    |          |   | SD      |               | 8 O        | 16 🔾         | 5.0s     |
| · · · ·              |         |          |   | 0       | STIN3L:STIN3L |            |              |          |
|                      |         |          |   |         |               |            |              |          |

Select "CH1:CH1" for 1st Mic of PAGING SOURCE. Select others as well.

6. Assign functions to buttons in the "PGM1/PGX1" editor that appears when you click the [Settings] button.

As necessary, set the ZONE GROUP in the "ZONE GROUP" editor that appears when you click the [ZONE GROUP] button.

For the "PGM1/PGX1" editor and "ZONE GROUP" editor, refer to the respective explanations.



The initial setting of PGM1 Properties -  $\rightarrow$  Utilities -  $\rightarrow$  Unlatch Enable is "OFF". The following procedure is required to change the Unlatch Enable setting and reflect it in PGM1.

Install Bonjour Print Service on your computer so that ProVisionaire Design can find PGM1.
 Place PGM1 on the "Project" sheet. Specify the Unit ID set in "3" when placing.

The settings will be reflected when synchronizing.

# 16. YDIF

16.1 YDIF

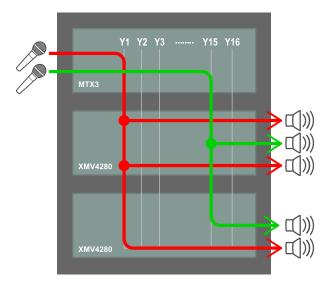
16.2 YDIF setting method (Project sheet)16.3 YDIF setting method (device sheets)

# 16.1. YDIF

YDIF is a digital audio transmission format that can send and receive up to 16 channels of audio and wordclock using an Ethernet cable. By connecting devices (MTX series/XMV/EXi8/EXo8) via Ethernet cable, a maximum of 16 channels of audio signals can be transferred without degradation.

By using YDIF, it is possible to easily switch signal routing without changing cable connections.

For example, as shown in the diagram below, a situation such as "outputting the same microphone input signal from multiple speakers" can be handled just by setting the YDIF routing.



# 16.2. YDIF setting method (Project sheet)

|   | YDIF     |         |          |         | ×        |
|---|----------|---------|----------|---------|----------|
|   | YDIF Cor | nnected |          |         |          |
|   | Index    | Model   |          | Unit ID |          |
|   | 1        | МТХЗ    | <u> </u> | 01      | <b>_</b> |
|   | 2        | XMV4140 | _        | 02      | <b>_</b> |
|   | 3        | XMV4140 | _        | 03      | <b>_</b> |
|   | 4        | None    | ▼        |         |          |
|   | 5        | None    | <u> </u> |         |          |
| Hences 🕴 × 📄 Project                      | 6        | None    | <u> </u> |         |          |
| 🛨 🗖 🔍 Filter 💦 auti499 publication of the | 7        | None    | <u> </u> |         |          |
| Audio Processors                          | 8        | None    | <b>~</b> |         |          |
| I MTX5-D                                  |          |         |          |         |          |
| IMTX5-D                                   |          |         |          |         |          |
| IMAGE MTX3                                |          |         |          |         |          |
| IMTX3                                     |          |         | Cance    | l Nex   | xt >>    |

Place the YDIF component in the Device area on the Project sheet. The wizard-based YDIF setting screen will be displayed at this point.

On the YDIF Connected screen, select the Model being used from the pull-down menu and press [Next].

| NDIF | ×             | YDIF    | ×             |
|------|---------------|---------|---------------|
|      | Clock Source  | in      | Clock Source  |
| MTX  | 3 48kHz       | EXi8    | YDIF          |
| XMV4 | 140 YDIF      | MTX3    | 48kHz         |
| XMV4 | 140 YDIF      | XMV4140 | YDIF          |
|      |               | XMV4280 | YDIF          |
|      |               | MTX3    | YDIF          |
|      | Cancel Finish | EXo8    | YDIF          |
|      |               | [       | Cancel Finish |

The wiring diagram and the Clock Source will be displayed.

Follow the displayed wiring diagram to connect the actual devices to each other with YDIF cables. Note that there are two patterns: one in which ring connection is not required (left diagram), and the other in which ring connection is required (right diagram).

When you press the [Finish] button, a YDIF-connected device group will be created in the Project sheet.

|     | ) F | r  | oj | e   | ct |    |    |    |    |    | 6  | Ş  | T  | uı | ni | in | g |            |   |    |    |     |        |    |    |     |    |    |    |    |   |      |   |    |    |   |
|-----|-----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|---|------------|---|----|----|-----|--------|----|----|-----|----|----|----|----|---|------|---|----|----|---|
|     | 0   | b  | ы  | nd. | J  | d. | D. | ц  | 1  | 00 | ı. | b  | Ы  | d  | J  |    | I | 20         | 0 |    | ыl |     | л      | d. | d. | Ŀ   | 30 | P, | Ц  | d  |   | i.ti | b | Ц  | 40 | 9 |
| 3   |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            |   |    |    |     |        |    |    |     |    |    |    |    |   |      |   |    |    |   |
|     |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            |   |    |    |     |        |    |    |     |    |    |    |    |   |      |   |    |    |   |
| 1   |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            |   |    |    |     |        |    |    |     |    |    |    |    |   |      |   |    |    |   |
| - 3 |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            |   |    |    |     |        |    |    |     |    |    |    |    |   |      |   |    |    |   |
|     |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            |   |    |    |     |        |    |    |     |    |    |    |    |   |      |   |    |    |   |
|     |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            |   | 1  |    |     |        |    |    |     |    |    |    |    |   |      |   |    |    |   |
| _   |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            |   |    |    |     |        |    |    |     |    |    |    |    |   |      |   |    |    |   |
| 100 |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            |   |    |    |     |        | •  |    |     |    |    |    |    |   |      |   |    |    |   |
| -   |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            | ~ |    |    |     | ~      | -  |    |     |    |    |    |    |   |      |   |    |    |   |
| 3   |     |    |    |     |    | 1  | 1  | 1  | 1  | 1  | 1  |    |    |    | 1  |    |   | $\bigcirc$ | 0 | 1  | IV | 11  | X      | 3  |    |     | 1  | 1  | Ŵ  | 1  | - | 1    |   |    |    |   |
|     |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            |   |    |    |     |        |    |    |     |    | n  | CF | 7  | - |      |   |    |    |   |
| 1   |     |    |    |     |    | ÷. | Ĵ. |    | Ľ. |    |   |            |   |    |    |     |        |    |    |     |    | 0  | Cr | h  | 1 | Ĵ.   |   | Ĵ. | ĵ. |   |
| 3   |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            |   |    | _  |     |        |    |    |     |    |    | _  |    |   |      |   |    |    |   |
| -   |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            |   |    |    |     |        |    |    |     |    |    | М  |    |   |      |   |    |    |   |
| 200 |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            | 0 | 1  | Х  | Ν   | ۱V     | 4  | 1  | 4(  | 0  |    | U  |    |   |      |   |    |    |   |
| 20  |     |    |    |     |    | •  | •  | •  | •  | •  | •  |    |    |    |    | 1  |   |            |   |    |    |     |        |    |    |     |    |    | M  |    | • | •    |   | •  |    |   |
|     |     |    |    |     |    | 1  | •  | 1  | 1  | 1  | 1  | 1  | 1  |    | 1  | 1  |   | Θ          | Ŀ |    |    |     |        |    |    |     |    |    |    |    | • | 1    |   | •  |    |   |
| 1   |     |    |    |     |    | •  |    |    |    |    |    |    |    |    |    |    |   |            |   |    |    |     |        |    |    |     |    |    |    |    |   | •    |   |    |    |   |
|     |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            |   |    |    |     |        |    |    |     |    |    | V  |    |   |      |   |    |    |   |
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| 1   |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   | $\cup$     | 0 | 2  | ^  | IV. | v      | 4  | u  | + ' | U  |    | V  |    |   |      |   |    |    |   |
| _   |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   | E          | F |    |    |     |        |    |    |     |    |    |    |    |   |      |   |    |    |   |
| 300 |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            |   |    |    |     |        |    |    |     |    |    |    |    |   |      |   |    |    |   |
|     |     |    |    |     |    | ٠  | •  | •  | •  | •  | ٠  |    |    |    | •  |    |   |            |   |    |    |     |        |    |    |     |    |    |    |    | • | •    |   |    |    |   |
| -   |     |    |    |     |    | •  |    | •  | •  | •  | •  | •  | •  |    |    |    |   |            |   |    |    |     |        | •  |    | •   | 1  | 1  | Y  | -  | - |      |   |    |    |   |
| -   |     |    |    |     |    | •  |    |    |    |    |    |    |    |    |    |    |   |            |   |    |    |     |        |    |    |     |    |    |    |    |   |      |   |    |    |   |
| Ξ   |     |    |    |     |    |    |    |    |    |    |    |    |    |    |    |    |   |            |   |    |    |     |        |    |    |     |    |    |    |    |   |      |   |    |    |   |

The wizard-based setup has the following two advantages.

(1) Selecting the wrong combination of devices will prevent the wizard from completing, allowing you to check

for misconnections in advance.

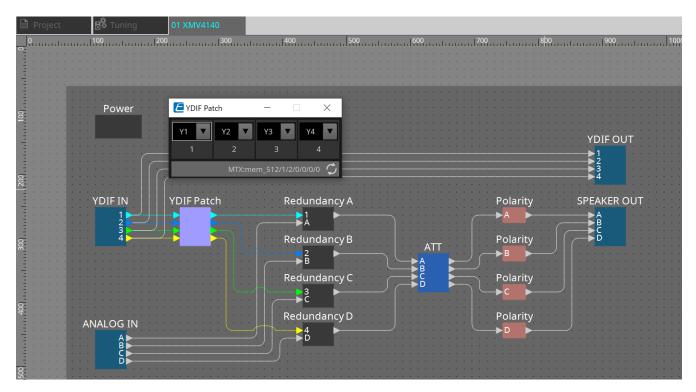
(2) Ring connection decisions are also performed automatically.

Similar setting are also possible by wiring YDIF connectors between devices without using the wizard. Note that in this case, there will be no warnings about mistaken connections that the wizard provides. In such cases, a ring connection is recommended as usual.

# 16.3. YDIF setting method (device sheets)

Within each device sheet, specify settings such as YDIF Patch and make the settings for the desired routing.

(Example: XMV4140)



# 17. MTX I/O Expanders EXi8 / Exo8

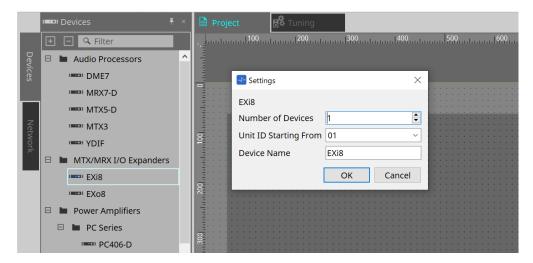
17.1 Overview 17.2 "Project" sheet 17.3 Editor

# 17.1. Overview

These are the MTX series input expander AD converter (EXi8) and the output expander DA converter (EXo8). The EXi8 converts 8-channel mic/line signals to YDIF and sends them digitally to MTX series devices. The EXo8 receives audio from MTX series devices in YDIF format and outputs an 8-channel analog signal.

# 17.2. "Project" sheet

This is the sheet on which devices are placed. When placing devices, the Settings screen shown below is displayed.



### \* Number of Devices

Selects the number of EXi8 or EXo8 units placed on the sheet.

### <sup>•</sup> Unit ID Starting From

You can select the starting number for the device Unit IDs.

Device Name

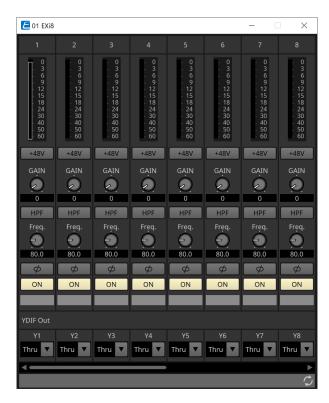
The device name can be displayed and edited.



By using Devices area > YDIF, the YDIF connection method can be displayed.

# 17.3. Editor

Double clicking the EXi8 on the Project sheet will open the [EXi8] editor.



### • [+48V] button

Switches the HA phantom power supply (+48 V) ON and OFF.

# 

If the phantom power supply is not required, turn this button OFF.

If the phantom power supply is turned ON, please note the following to prevent damage or noise to the main unit/external devices.

• When connecting a device that is not phantom power compatible to an [INPUT] terminal, turn the button OFF.

• Do not disconnect cables from the [INPUT] terminal while the power button is still ON.

• Set the output level to its lowest level when turning the phantom power supply off or on. There is no ACTIVE switch. Use settings that match the connected equipment to avoid damage.

- **HA analog gain** Adjusts the HA (headphone amp) analog gain.
- \* [HPF] button/cutoff frequency

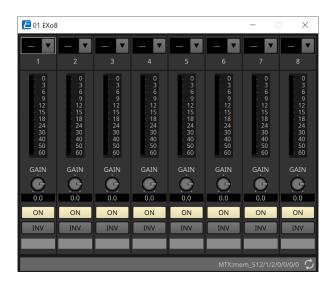
Switches the HPF (high-pass filter) ON and OFF. Sets the HPF cutoff frequency.

- **[φ] button** Switches the input signal phase.
- [ON] button

Switches the input channel ON and OFF.

• YDIF Out

Select the channel to output to YDIF. If you select Thru, the signal that is input from YDIF In will be output as-is. Double clicking the EXo8 on the Project sheet will open the [EXo8] editor.



### • YDIF In

Assigns the signal that is input from YDIF In to a channel.

### ' Gain

Adjusts the output gain.

### ' [ON] button

Switches the output channel ON and OFF.

### · INV button

Switches the output signal polarity.

# **18. Power Amplifiers PC-series**

18.1 Overview
18.2 "Project" sheet
18.3 "Tuning" sheet
18.4 Device sheet screen configuration
18.5 "Presets" area
18.6 Context Menu
18.7 Alert list
18.8 Component editors

## 18.1. Overview

By combining the powerful 20×8 input matrix functions of the PC-D/DI series amplifiers with Dante I/O, the versatility of any system can be dramatically increased.

Not only can the PC-D/DI's input matrix function be an auxiliary matrix that expands the entire system, but by allowing direct audio signal input from other analog devices or Dante-equipped devices even in systems without additional mixers or DSPs, even more flexible routing becomes possible.

# 18.2. "Project" sheet

This is the sheet on which devices are placed. When placing devices, the Settings screen shown below is displayed.

|         | e==== Devices 🖡 ×         |     | Project | 🖁 🛱 Tuning            |           |     |
|---------|---------------------------|-----|---------|-----------------------|-----------|-----|
|         | + - 🤇 Filter              |     |         |                       |           | 500 |
| Devices | 🗉 🖿 Audio Processors      |     |         |                       |           |     |
| ices    | Image DME7                |     |         | 👆 Settings            | ×         |     |
|         | MRX7-D                    |     |         | PC412-DI              |           |     |
|         | MTX5-D                    |     |         | Number of Devices     | 1         |     |
| Network | IMTX3                     |     |         | Unit ID Starting From | 01 ~      |     |
| vork    | E YDIF                    | 100 |         | Device Name           | PC412-DI  |     |
|         | 🖻 🖿 MTX/MRX I/O Expanders |     |         |                       |           |     |
|         | Email: EXi8               |     |         |                       | OK Cancel |     |
|         | EMECAI EXO8               | 20  |         |                       |           |     |
|         | 🖻 🖿 Power Amplifiers      |     |         |                       |           |     |
|         | 🖻 🖿 PC Series             | 8   |         |                       |           |     |
|         | PC406-D                   | 3   |         |                       |           |     |

### \* Number of Devices

Selects the number of PC series units placed on the sheet.

### <sup>•</sup> Unit ID Starting From

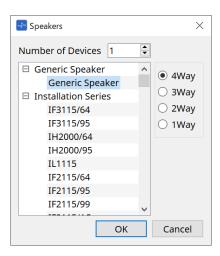
You can select the starting number for the device Unit IDs.

### Device Name

The device name can be displayed and edited.

### 18.2.1. PC-D and speaker connections

If you drag and drop speakers from the Devices area, any speaker can be added to the Project sheet.



When you connect an amp and speaker, and double click on the speaker, the Speaker Editor is displayed.

| IF3115/64                             |  |
|---------------------------------------|--|
| • 01 PC406-DI                         |  |
| • 01 PC406-DI                         |  |
| SP Out                                |  |
|                                       |  |
|                                       |  |
|                                       |  |
|                                       |  |
|                                       |  |
|                                       |  |
|                                       |  |
|                                       |  |
|                                       |  |
|                                       |  |
| ····                                  |  |
| · · · · · · · · · · · · · · · · · · · |  |

The Speaker Editor allows you to control the parameters of the power amplifier from which you are connecting. For details, refer to "Speaker Editor / Multi Speaker Editor."

### 18.2.2. Speaker Editor / Multiple Speaker Editor

When a speaker is connected to a PC-series device via a wire, the parameters of the PC-series device's speaker processor are shown for each individual speaker.

When you double-click a speaker or right-click and choose [Open Speaker Editor] from the context menu, the Speaker Editor opens.

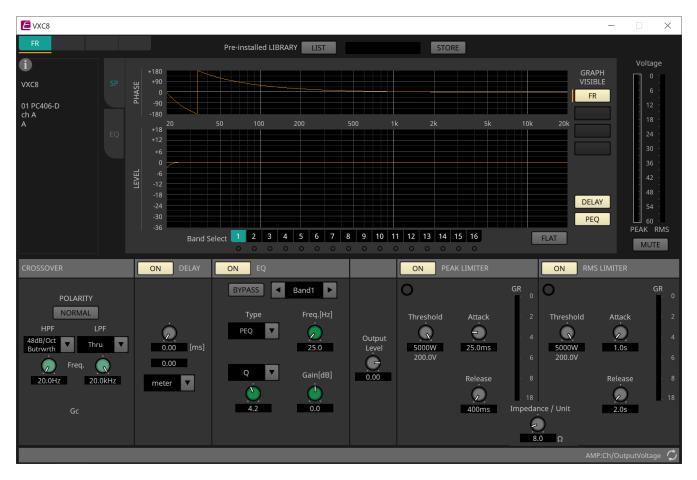
When multiple speakers are selected, you can right-click and choose [Open Multiple Speaker Editor] from the

context menu to open the Multiple Speaker Editor.

This is convenient in the following situations.

- When speakers are connected to multiple PC-series devices, and you want to view each of these speaker processors in a single step.
- When you want to view the superimposed response curves of the Main and Sub speakers. (Multiple Speaker Editor)

For details on the parameters, refer to "Speaker Processor" component editor of the "ProVisionaire Design Component Guide".



### 18.2.3. Properties Area

This area allows you to display and edit device information. The following section explains "Input Source Redundancy".For other settings, refer to the PC series instruction manual.

| ✓ Properties            | ∓ ×           |
|-------------------------|---------------|
| Ð                       | B Save Style  |
| Property                | Value         |
| Device                  |               |
| Power Supply            |               |
| Amplifier               |               |
| Auto Sleep              |               |
| Utilities               |               |
| GPI Input / Output      |               |
| Input Source Redundancy |               |
| Redundant Mode          | Backup        |
| Auto Return             | Off           |
| Dante1                  | No Redundancy |
| Dante2                  | No Redundancy |
| Dante3                  | No Redundancy |
| Dante4                  | No Redundancy |
| Display                 |               |

### **Input Source Redundancy**

The PC series has two redundancy modes: "Backup Mode" and "Override Mode".



Input Source Redundancy is a function that is independent from the Dante network redundancy function.

### Redundant Mode

• Backup

If the input audio on a primary line (Dante 1 to 4) is cut off due to a problem such as an input device failure, the line will automatically switch to the backup line (Dante 13 to 16, Analog 1 to 4).

• Override

When audio input from a backup line (Dante 13 to 16, Analog 1 to 4) is detected, the detected signal will automatically interrupt the audio on the primary line (Dante 1 to 4). This allows for broadcast interruptions, such as high-priority emergency broadcasts and site-wide announcements.

In either mode, the backup lines can be set up in two tiers, and the channel combinations are fixed.

| PRIMARY SOURCE | 2nd SOURCE  | 3rd SOURCE  |
|----------------|-------------|-------------|
| Dante IN 1     | Dante IN 13 | Analog IN 1 |
| Dante IN 2     | Dante IN 14 | Analog IN 2 |
| Dante IN 3     | Dante IN 15 | Analog IN 3 |
| Dante IN 4     | Dante IN 16 | Analog IN 4 |

#### • Auto Return

#### • In Backup Mode

When this option is turned on, the input source will automatically switch back to the primary line when the primary line is restored.

### $\circ~$ In Override Mode

When this option is turned on, the input source will automatically switch back to the primary line when the audio from the backup line falls below the threshold.

#### Dante 1 to 4

| <table-of-contents> Input Source Redundancy</table-of-contents> | ×                   |
|---|---------------------|
| Primary Input Source : Dante                                    | e 1                 |
| 🗌 Second Input Source - Da                                      | ante 13             |
| Redundant Mode - Overrig  | le                  |
| Override Threshold  | 0.0dB               |
| Auto Return Delay   | 10s                 |
| Third Input Source - Anal                                       | log A1              |
| Redundant Mode - Overrig  | le                  |
| Override Threshold  | 0.0dB               |
| Auto Return Delay   | 10s                 |
|   | Save Changes Cancel |

#### • Input Source checkbox

Set whether to enable (on) or disable (off) the backup lines at each tier. The backup lines can be set up in two tiers, and the channel combinations are fixed.

#### • Override Threshold

For Override Mode, set the input level threshold for each channel to determine whether an interrupting input signal is present.

#### • Auto Return Delay

When Auto Return is turned on in Override Mode, set the time from when the interrupt input signal ends until the line switches back to the primary line.

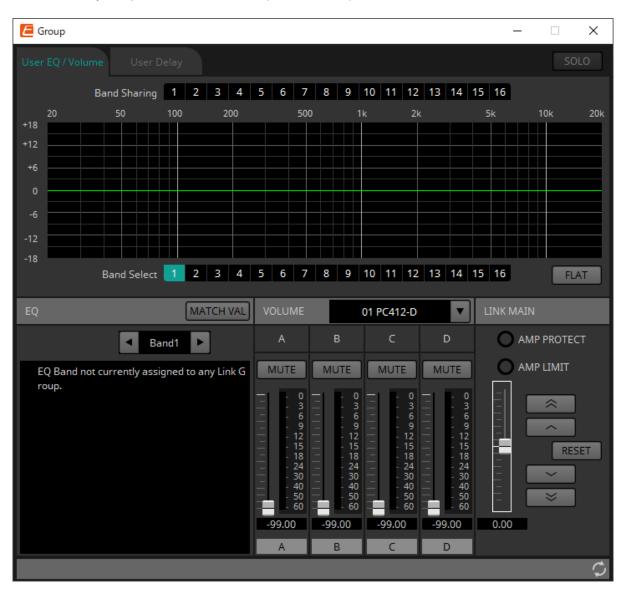
# 18.3. "Tuning" sheet

The Tuning sheet allows you to set parameters (such as EQ and Delay) for grouped channels collectively. For the sheet details, please refer to the "Tuning" sheet.

### 18.3.1. Link group editor

This is the parameter setting screen for link groups.

This appears when you double-click a link group on the "Tuning" sheet in which a channel of a PC-series unit is registered, or when you right-click and choose [Open Link Group Editor].



### ' [SOLO] button

When online, this is enabled if the tool bar's [Solo Mode] button is on.

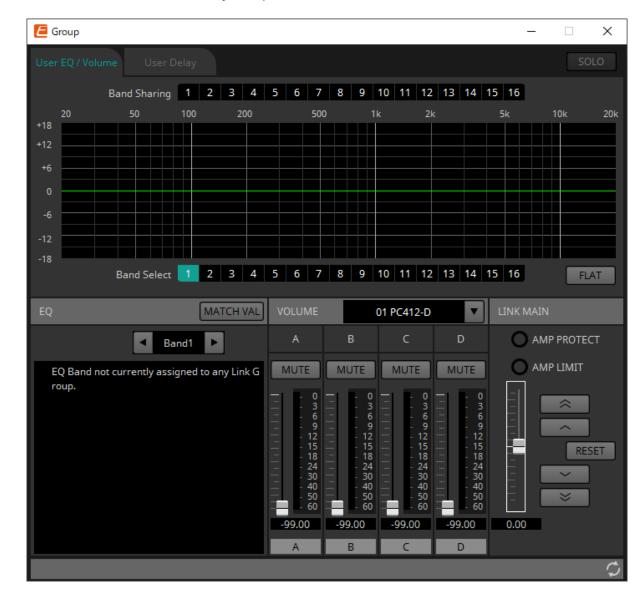
If this is turned on, audio is output only from the channels that are registered to this link group, which is convenient when making final adjustments to the EQ, volume, and delay.

### 18.3.2. [User EQ/Volume] tab

Here you can make collective adjustments to the User EQ and volume of the channels registered in the group.

Use the Master fader to control the volume.

The "Volume" master fader collectively applies a relative adjustment to the volume of the channels registered in the group.



For details, refer to "User EQ/User Delay" component editor.

### • [Band Sharing] buttons

If a channel is registered in multiple groups, click to select the bands owned by each group. An owned band is shown in blue. Bands that are not shown as white numbers on a black background are owned by

other groups, and cannot be selected or operated.

Bands that you click and are colored blue are currently owned. Ownership can be relinquished only by the link group editor that owns that band.

### ' [MATCHVAL] button

Copies the EQ settings of bands owned by the link group editor to the registered channels.

· LINK MAIN

Applies a relative adjustment to the volumes within the link group.

### • [AMP PROTECT] indicator

This will light if the protection function of the PC unit itself is operating.

### [AMP LIMIT] indicator

This will light if the limiter of the PC unit itself is operating.

### • Master fader

Applies a relative adjustment to the volumes within the link group. The adjustable range is shown above and below in gray.

When you right-click the fader and choose [Match Values], the members of the link group are set to the same volume value.

### ° 🔄 🗢 🛛 button

Raises the master fader by 3 dB.

button

Raises the master fader by 1 dB.

### • [RESET] button

0

Moves the master fader to the 0 position.

### → button

Lowers the master fader by 1 dB.

° 🛛 🗧 button

Lowers the master fader by 3 dB.

### 18.3.3. [User Delay] tab

Here you can collectively edit the User Delay of the "User EQ/User Delay" component editor for the linked jacks. For details, refer to "User EQ/User Delay" component editor.

| E Group |      |            |      |              | _ |      |
|---------|------|------------|------|--------------|---|------|
|         |      |            |      |              |   | SOLO |
|         |      |            |      |              |   |      |
|         |      |            |      |              |   |      |
|         |      |            |      |              |   |      |
|         |      |            |      |              |   |      |
|         |      |            |      |              |   |      |
|         |      |            |      |              |   |      |
|         |      |            |      |              |   |      |
|         |      |            |      |              |   |      |
|         |      |            |      |              | 1 |      |
| DELAY   |      | 01 PC412-D |      | LINK MAIN    |   |      |
| А       | В    | С          | D    |              |   |      |
| -       | -    | -          | -    |              |   |      |
|         |      |            |      |              |   |      |
|         |      | =          |      | RESET        |   |      |
|         |      |            |      |              |   |      |
|         |      |            |      |              |   |      |
| 0.00    | 0.00 | 0.00       | 0.00 | 0.00 [ms]    |   |      |
| 0.00    | 0.00 | 0.00       | 0.00 | 0.00 meter V |   |      |
| A       | В    | С          | D    |              |   |      |
|         |      |            |      |              |   | ¢    |

### · LINK MAIN

0

0

Here you can apply a relative adjustment to the delay time of the channels of the devices that are registered in this link group.

• Master fader

Applies a relative adjustment to the delay times within the link group. The adjustable range is

shown above and below in gray.

When you right-click the fader and choose [Match Values], the members of the link group are set to the same delay time value.

### 🔄 \land 🔤 button

Raises the master fader by 3 ms.

### button

Raises the master fader by 0.3 ms.

### [RESET] button

Moves the master fader to the 0 position.

0

0

### button

Lowers the master fader by 0.3 ms.

### 🗧 button

Lowers the master fader by 3 ms.

### ∘ **[ms]**

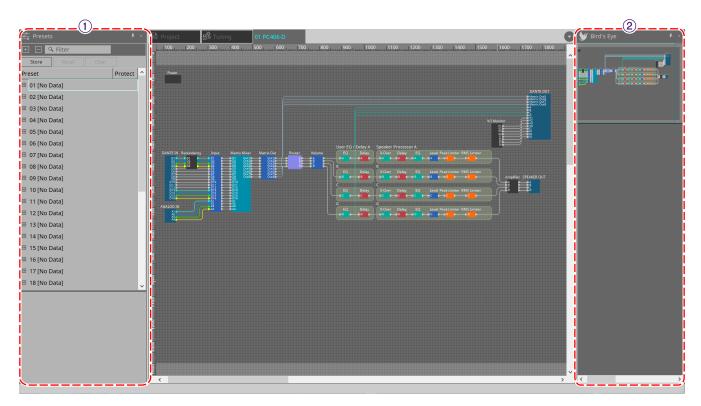
Indicates the value of the master fader in ms units.

### [meter]/[feet] list box

Causes the display at left to show units of either meters or feet. This also switches the display for individual jacks.

# 18.4. Device sheet screen configuration

When the PC series device sheet is opened, the "Presets" area and the "Bird's Eye view" will be displayed. When you double-click a component in the device sheet, the component editor opens.



### ① Presets area

Multiple parameter settings can be stored as presets.

### ② Bird's Eye view

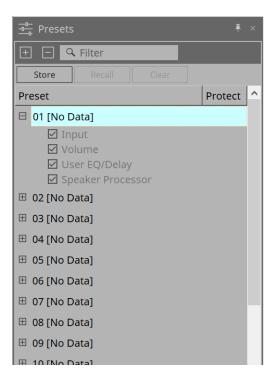
This shows an overview of the sheet.

## 18.5. "Presets" area

In this area, you can store multiple parameter settings as a preset. By recalling the preset, the parameters stored in the preset can be deployed.

The parameters of the preset that is applied are called the "current parameters."

If you want to recall presets for multiple units simultaneously, click the 📩 button, and make settings in the "Linked Presets Manager" dialog box .



### ' [STORE] button

This button stores a preset. If you select a preset in which settings have not been stored, the "Store Preset" dialog box appears.

### ' [RECALL] button

This button recalls a preset.

### • [CLEAR] button

This button clears a preset.

### • Preset list

This displays a list of the presets. Up to 32 presets can be stored.

### • "Preset"

Shows the preset number and name. You can expand this and select the parameters that will be recalled.

If you select a stored preset and double-click this area, you'll be able to edit the name. Empty presets are shown with the name [No Data].

#### • "Protect"

If you click the lock icon (), the icon changes to , protecting the preset so that it cannot be edited or cleared.

If you click the icon in the protected state, protection is removed.

## 18.5.1. "Store Preset" dialog box

| 🔶 Prese | t  | ×      |
|---------|----|--------|
| Name    |    |        |
| Preset  | 01 |        |
|         | ОК | Cancel |

### ' [Name]

Input the name of the preset. By default, this will be "Preset + preset number." You cannot enter a blank preset name.

### • [OK] button

This stores the preset and closes the dialog box.

### • [Cancel] button

This cancels the preset store operation, and closes the dialog box.

# 18.6. Context Menu

The following describes the contents of the context menus that are displayed when you right-click each area.

### 18.6.1. "Tuning" sheet

The following context menu appears when you right-click the "Tuning" sheet.

| Menu                       | Content   |
|----------------------------|---|
| [Select All]               | [All Link Groups]<br>Selects all link groups in the sheet.                      |
| [Close All Editor Windows] | Closes all editors.   |
| [Snap to Grid]             | If this is checked, objects are placed in alignment with the grid of the sheet. |

### 18.6.2. Link group in the "Tuning" sheet

The following context menu appears when you right-click a link group, although certain menu items may be present or absent.

| Menu                     | Content   |
|--------------------------|---|
| [Open Link Group Editor] | Opens the link group editor. For details on the link group editor, refer to each device.  |
| [Open Amplifier Sheet]   | Opens the device sheet of the selected amp.   |
| [Identify]               | Causes the indicators of the amp to flash for several seconds.<br>If a channel is selected on the PC-series amp, this causes the channel<br>indicator to flash for several seconds.                           |
| [Delete]                 | If a channel is selected, this deletes the channel from the link group.<br>If a device is selected, this deletes the device from the link group.<br>If a link group is selected, this deletes the link group. |
| [Bring to Front]         | Moves the link group to the foreground.   |
| [Bring to Back]          | Moves the link group to the background.   |

### 18.6.3. "Project Devices" area

The following context menu appears when you right-click a device or channel in the "Project Devices" area.

| Menu                | Content   |
|---------------------|---|
| [Find]              | Places the focus on the link group in which the device or channel is registered.  |
| [Add to Link Group] | Registers the amp's channels in a link group. If the speaker is connected to an amp, this registers the channel of the connected amp. |

### 18.6.4. "Link Groups" area

| Menu     | Content   |
|----------|---|
| [Find]   | If you right-clicked a device, this places the focus on that device in the link<br>group, and opens the link group component editor.<br>If you right-clicked a channel or a link group, this places the focus on the<br>channel within the link group or on the link group, and opens the link<br>group editor. |
| [Delete] | If you right-clicked a channel, this deletes the channel from the link group.<br>If you right-clicked a device, this deletes the device from the link group.<br>If you right-clicked a link group, this deletes the link group.   |

The following context menu appears when you right-click an object in the "Link Groups" area.

### 18.6.5. Device sheet

When you right-click on a device sheet in a location with no object, the following context menu will be displayed.

| Menu                       | Details             |
|----------------------------|---------------------|
| [Close All Editor Windows] | Closes all editors. |
| [Debug Mode]               | -                   |

### 18.6.6. Components in the device sheet/component editor

When you right-click on any location other than the component's operator or component, the following context menu will be displayed (some items may be omitted).

| Menu                    | Details   |
|-------------------------|---|
| [Open Component Editor] | Opens the component editor.   |
| [Сору]                  | Copies the component editor's parameter settings.                         |
| [Paste Parameters]      | Reflects the component editor's parameter settings that have been copied. |

### 18.6.7. "Presets" area

When you right-click on a preset, the following context menu will be displayed.

| Menu      | Details  |
|-----------|--|
| [All On]  | Checks all of the checkboxes that are subject to recall.   |
| [All Off] | Unchecks all of the checkboxes that are subject to recall. |

# 18.7. Alert list

The alerts generated by PC-series units, and their significance and the appropriate actions, are listed below. A single alert is shown when the event occurs. A continuing alert is shown when the event occurs and when it ends.

If the problem is not solved, please contact a Yamaha service center listed at the end of the device's operating manual.

| Nu<br>mbe<br>r | Message                           | Severity | Content   | Action  | Single/Co<br>ntinuing |
|----------------|-----------------------------------|----------|---|---|-----------------------|
| 05             | Amplifier Output Muting           | Error    | The protection function<br>operated to mute the amp<br>output.  | Take action to clear the<br>protection function that<br>was the cause.<br>The cause is indicated by<br>another alert that is shown<br>at the same time. | Continuin<br>g        |
| 12             | Mains Voltage Over 276[V]         | Error    | (at startup) The amp<br>cannot start up because<br>the power supply voltage<br>exceeded the allowable<br>operating voltage.         | Connect a stable power<br>supply that is within the<br>power supply<br>requirements.  | Single                |
|                |                                   |          | The amp stopped because<br>the power supply voltage<br>exceeded the allowable<br>operating voltage.                                 |   | Continuin<br>g        |
| 13             | Power Supply Output<br>Voltage    | Fault    | (at startup) The amp<br>cannot start up because<br>there is an abnormality in<br>the output voltage of the<br>power supply circuit. | It might be that the unit<br>has malfunctioned.<br>Contact a Yamaha service<br>center.  | Single                |
|                |                                   |          | The amp was stopped<br>because an abnormality<br>occurred in the output<br>voltage of the power<br>supply circuit.                  |   | Continuin<br>g        |
| 14             | Power Supply Over-<br>temperature | Error    | (at startup) The amp<br>cannot start up because<br>the power supply circuit is<br>too hot.  | <ul> <li>Lower the temperature<br/>before use.</li> <li>Clean the air intake.</li> <li>Lower the room<br/>temperature.</li> </ul>                       | Single                |
|                |                                   |          | The amp was stopped<br>because the power supply<br>circuit became abnormally<br>hot.  |   | Continuin<br>g        |

| Nu<br>mbe<br>r | Message                            | Severity | Content   | Action   | Single/Co<br>ntinuing |
|----------------|------------------------------------|----------|---|--|-----------------------|
| 21             | Amplifier Ch.* DC Output           | Fault    | (at startup) The amp<br>cannot start up because<br>there is an abnormality in<br>the amp output.  | It might be that the unit<br>has malfunctioned.<br>Contact a Yamaha service<br>center.   | Single                |
|                |                                    |          | The amp was stopped<br>because there is an<br>abnormality in the amp<br>output of the<br>corresponding channel.   |  | Continuin<br>g        |
| 22             | Amplifier Ch.* Overcurrent         | Error    | The output was muted<br>because excessive current<br>flowed to the amp of the<br>corresponding channel.   | <ul> <li>Reduce the output<br/>volume so that the current<br/>value does not become<br/>excessive.</li> <li>The speaker output jack<br/>might be shorted.</li> </ul>                     | Continuin<br>g        |
| 23             | Amplifier Ch.* Overtemp<br>Level 1 | Error    | Because the amp<br>temperature of the<br>corresponding channel<br>exceeded level 1, the fan<br>rotation speed was raised<br>and the limiter was applied<br>to the output. | <ul> <li>Reduce the output<br/>volume so that the<br/>temperature does not<br/>become excessive.</li> <li>Clean the filter. Also,<br/>keep the room<br/>temperature constant.</li> </ul> | Continuin<br>g        |
| 24             | Amplifier Ch.* Overtemp<br>Level 2 | Error    | Because the amp<br>temperature of the<br>corresponding channel<br>exceeded level 2, the fan<br>rotation speed was raised<br>and the limiter was applied<br>to the output. |  | Continuin<br>g        |
| 25             | Amplifier Ch.* Overtemp<br>Level 3 | Error    | Because the amp<br>temperature of the<br>corresponding channel<br>exceeded level 3, the fan<br>rotation speed was raised<br>to the maximum and the<br>output was muted.   |  | Continuin<br>g        |
| 26             | Ch.* High Load                     | Warning  | The impedance value of<br>the corresponding channel<br>monitored by the Load<br>Monitoring function is<br>higher than the specified<br>value.                             | - Check that there is no<br>abnormality in the speaker<br>or cable.<br>Check that the Threshold<br>setting value is<br>appropriate.  | Continuin<br>g        |
| 27             | Ch.* Low Load                      | Warning  | The impedance value of<br>the corresponding channel<br>monitored by the Load<br>Monitoring function is<br>lower than the specified<br>value.                              |  | Continuin<br>g        |

| Nu<br>mbe<br>r | Message                             | Severity | Content  | Action   | Single/Co<br>ntinuing |
|----------------|-------------------------------------|----------|--|--|-----------------------|
| 31             | Fan * Error                         | Fault    | The fan of the<br>corresponding number has<br>stopped rotating.  | It might be that the unit<br>has malfunctioned.<br>Contact a Yamaha service<br>center.   | Continuin<br>g        |
| 42             | Input D* Change To 2nd              | Warning  | The Input Source<br>Redundancy function has<br>switched the audio to the<br>second priority circuit.   | Check whether the main<br>audio circuit (Dante) has<br>malfunctioned.<br>(Note that if the Auto<br>Return function is ON, the<br>circuit might suddenly<br>switch back if the<br>connection recovers.)                           | Single                |
| 43             | Input D* Change To 3rd              | Warning  | The Input Source<br>Redundancy function has<br>switched the audio to the<br>third priority circuit.  | Check whether the main or<br>the second priority audio<br>circuit (Dante) has<br>malfunctioned.<br>(Note that if the Auto<br>Return function is ON, the<br>circuit might suddenly<br>switch back if the<br>connection recovers.) | Single                |
| 61             | Dante Module Failed                 | Fault    | The internal Dante module is not working correctly.  | It might be that the unit<br>has malfunctioned.<br>Contact a Yamaha service<br>center.   | Continuin<br>g        |
| 63             | Firmware Versions<br>Mismatch       | Error    | The version of this unit's<br>firmware is not compatible<br>with the version of the<br>Dante firmware.   | The updater provided on<br>the web contains the<br>firmware for this unit and<br>the Dante firmware as a<br>set. Update both.  | Single                |
| 64             | Dante Is Not Working By<br>Giga Bit | Error    | A device that does not<br>support gigabit Ethernet is<br>connected.<br>In Daisy Chain mode, this<br>alert also occurs when<br>connected to the Control<br>Port.<br>If this unit is disconnected<br>from the network, alert 69<br>occurs, and this alert is<br>temporarily cleared. |  | Continuin<br>g        |
| 65             | Dante Is Working At<br>Secondary    | Warning  | In Redundant mode, Dante<br>audio communication is<br>occurring on the<br>Secondary circuit.<br>If this unit is disconnected<br>from the network, alert 69<br>occurs, and this alert is<br>temporarily cleared.  | Check whether the primary<br>circuit may have<br>malfunctioned.  | Continuin<br>g        |

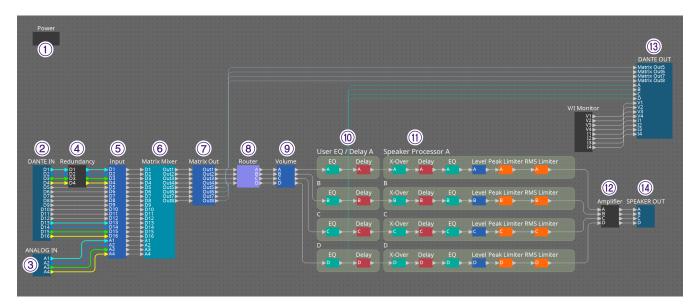
| Nu<br>mbe<br>r | Message                             | Severity | Content  | Action  | Single/Co<br>ntinuing |
|----------------|-------------------------------------|----------|--|---|-----------------------|
| 66             | Error Occurred At<br>Secondary Port | Warning  | In Redundant mode, the<br>Dante Primary circuit is<br>operating correctly, but the<br>Secondary circuit is not<br>connected.<br>* Only if connection had<br>once been confirmed, and<br>then been disconnected                       | If connection of the<br>Secondary circuit is<br>needed, check whether it<br>may have malfunctioned.   | Continuin<br>g        |
| 67             | Wrong Word Clock                    | Warning  | A problem was detected in the word clock.  | <ul> <li>In Dante Controller,<br/>correctly set the word</li> <li>clock of the entire system.</li> <li>Make sure that the Fs<br/>(sampling frequency)</li> <li>setting is the same for the<br/>devices whose audio is<br/>patched.</li> </ul> | Continuin<br>g        |
| 69             | Dante Port Is Not<br>Connected      | Warning  | In Redundant mode, the<br>Dante Primary circuit is<br>operating correctly, but the<br>Secondary circuit is not<br>connected.<br>* This is displayed only if<br>connection had once been<br>confirmed, and then been<br>disconnected. | Make sure that the Dante<br>circuit is correctly<br>connected.  | Continuin<br>g        |

# **18.8. Component editors**

The component editor allows you to set and adjust each component of the selected device.

When you double-click a component in the device sheet, the component editor opens.

This section describes the PC series component editor, and the dialogs and windows that are closely associated with the components. For details about other components, refer to the "ProVisionaire Design Component Guide".

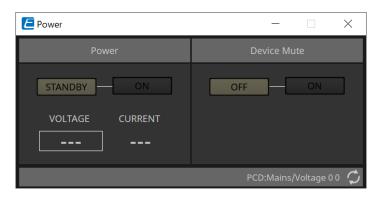


| Numbe<br>r | Component name | Details  | Link                                   |
|------------|----------------|--|--|
| 1          | Power          | This function switches the<br>device's power supply and<br>displays the electrical current<br>value for the main unit. | "Power" component editor               |
| 2          | DANTE IN       | Displays the settings related to<br>the [Dante] terminal input and the<br>level of the audio signal being<br>input.    | "Input Alignment" component editor     |
| 3          | ANALOG IN      | Displays the settings related to<br>the [INPUT] terminal input and<br>the level of the audio signal being<br>input.    | "Input Alignment" component editor     |
| 4          | Redundancy     | Sets the input source and<br>Override/Backup operation at a<br>per-channel level.                                      |  |
| 5          | Input          | Adjusts the levels of input channels and displays their statuses.  | "Input" component editor               |
| 6          | Matrix Mixer   | Adjusts the group balance for each output bus.   | "ProVisionaire Design Component Guide" |
| 7          | Matrix Out     | Adjusts the level from the matrix<br>mixer to the router and Dante<br>outputs.   |  |
| 8          | Router         | Assigns matrix mixer output to output channels.  | "ProVisionaire Design Component Guide" |

| Numbe<br>r | Component name    | Details   | Link                                  |
|------------|-------------------|---|---------------------------------------|
| 9          | Volume            | Adjusts the level of the output channel.  |                                       |
| 10         | User EQ/Delay     | Sets the output channel<br>EQ/delay.  | "User EQ/User Delay" component editor |
| 1)         | Speaker Processor | Sets the output channel speaker processor.                                      | "Speaker Processor" component editor  |
| 12         | Amplifier         | Set the amp output mode and impedance detector.                                 | "Amplifier" component editor          |
| 13         | DANTE OUT         | Shows the Dante output level.   |                                       |
| 14         | SPEAKER OUT       | Displays the speaker output<br>terminal's output voltage and<br>output current. | "Speaker Out" component editor        |

### 18.8.1. "Power" component editor

Switches the power of the device, and indicates the electrical current value of the unit. This is available only when online.



#### • Power

• [STANDBY]/[ON] buttons

Switch the power between standby/on.

• [VOLTAGE]

Indicates the voltage value of the power supply input.

• [CURRENT]

Indicates the electrical current value of the device.

<sup>•</sup> Device Mute [OFF]/[ON] buttons

Switch the device's Device Mute on/off. If this is on, the speaker output is muted for all channels of the amp.

## 18.8.2. "Input Alignment" component editor

This appears when you double-click the "DANTE IN" component or the "ANALOG IN" component. Here you can make settings for the input jacks, and view the levels of the audio signals that are being input.

| E Input Al   | lignment     |              |              |              |              |              |              |              |              |              |              |              |              | - [          | ×            |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| DANTE IN     |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| D1           | D2           | D3           | D4           | D5           | D6           | D7           | D8           | D9           | D10          | D11          | D12          | D13          | D14          | D15          | D16          |
| TRIM         |              | TRIM         |              | TRIM         | TRIM         |              |              | TRIM         |              | TRIM         |              |              |              |              | TRIM         |
| 0.0<br>DELAY |
| 0.00ms       |              | 0.00ms       | 0.00ms       | 0.00ms       | 0.00ms       |              | 0.00ms       |
| ANALOG I     | N            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| A1           | A2           | A3           | A4           |              |              |              |              |              |              |              |              |              |              |              |              |
| TRIM         | TRIM         | TRIM         | TRIM         |              |              |              |              |              |              |              |              |              |              |              |              |
| 0.0<br>DELAY | 0.0<br>DELAY | 0.0<br>DELAY | 0.0<br>DELAY |              |              |              |              |              |              |              |              |              |              |              |              |
| 0.00ms       | 0.00ms       | 0.00ms       | 0.00ms       |              |              |              |              |              |              |              |              |              |              |              |              |
|              |              |              |              |              |              |              |              |              |              |              |              |              | PCD:Input    | ort/Dante/T  | rim 0 0 🗘    |

#### • Input level

Indicates the level after it is compensated by TRIM and DELAY.

#### • [TRIM] knob

Compensates for level differences between input jacks.

#### ' [DELAY] knob

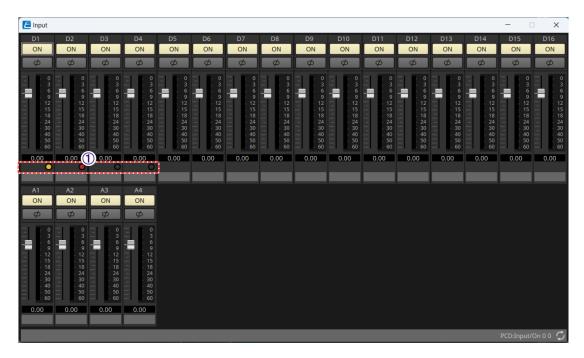
Compensates for latency differences between input jacks.

#### • Channel name

Shows or edits the input jack name.

### 18.8.3. Input Component Editor

This editor allows you to adjust input channels (level, MUTE, phase) and display their statuses.



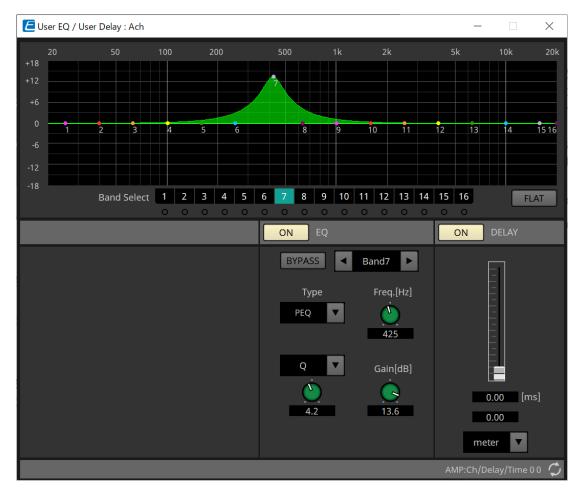
#### ① Input Redundancy Status Indicator

If the Input Source Redundancy function is enabled, the current input line (Dante 1 to 4 only) is indicated.

Off: Primary line

Lit (orange): 2nd SOURCE line Lit (red): 3rd SOURCE line

For details about Input Source Redundancy, refer to "Input Source Redundancy".



### 18.8.4. "User EQ/User Delay" component editor

#### • EQ graph

Shows a graph of the EQ effect. You can drag a control point to edit the parameters.

### ' [Band Select] buttons

If a button is selected, the current value is shown in "EQ," below. For bands whose "EQ" [BYPASS] button is on, the indicator below that [Band Select] button is lit.

For details about other parameters, refer to the "ProVisionaire Design Component Guide".



### 18.8.5. "Speaker Processor" component editor

#### **FPEAK LIMITERJ / FRMS LIMITERJ**

This is not shown if the corresponding jack is set as a high-impedance connection such as 70V or 100V.



#### ' [ON] button

Turns the limiter on/off. If the button is off, the limiter will be bypassed.

\* Gain Reduction indicator

This will light when the threshold value is exceeded.

#### ' [Threshold] knob

This specifies the threshold value at which the limiter applies, in terms of output power (W).

• [Attack] knob

Specifies the speed at which the limiter will take effect.

#### ' [Release] knob

Specifies the speed at which the limiter will release.

#### • "GR" meter

Indicates the amount of gain reduction.

### • [Impedance / Unit] knob

Specifies the nominal impedance of the speaker.

Even when connecting multiple speakers in parallel, specify this as the impedance of one unit.

For other information, refer to the "ProVisionaire Design Component Guide".

## 18.8.6. "Amplifier" component editor

| E Amplifier   |                                  |                                  |                                  | - 🗆 X                               |
|---------------|----------------------------------|----------------------------------|----------------------------------|-------------------------------------|
| BRIDGE        | LOAD MONITORING                  |                                  |                                  |                                     |
|               | ON A                             | ON B                             | ON C                             | ON D                                |
| A / B ON      | - OSCILLATOR -                   | - OSCILLATOR -                   | - OSCILLATOR -                   | - OSCILLATOR -                      |
| C / D ON      | Level<br>0.0 Vrms                | Level<br>0.0 Vrms                | Level<br>0.0 Vrms                | Level<br>0.0 Vrms                   |
| CHANNEL SLEEP | — IMPEDANCE —<br>Detection Freq.    |
| A ON          | 20.0k [Hz]<br>Impedance          | C<br>20.0k [Hz]<br>Impedance     | 20.0k [Hz]<br>Impedance          | <b>C</b><br>20.0k [Hz]<br>Impedance |
| BON           | High Threshold                   | High Threshold                   | High Threshold                   | High Threshold                      |
| C ON          | 50.0 Ω                           | 50.0 Ω                           | ο<br>50.0 Ω                      | <u>ς</u><br>50.0 Ω                  |
| D ON          | Low Threshold                    | Low Threshold<br>Ω<br>0.0 Ω      | Low Threshold                    | Low Threshold<br>Ο<br>0.0 Ω         |
|               |                                  |                                  |                                  | AMP:Ch/Bridge 0 0 🧳                 |

#### BRIDGE [ON] button

If this is enabled, the amp will be in BRIDGE output mode.

In BRIDGE mode, adjacent odd-numbered and even-numbered channels are bridge-connected to operate as a high-power amp.

#### CHANNEL SLEEP [ON] button

If this is enabled, the amp of that channel will sleep. By putting unused channels to sleep, you can conserve electrical power and reduce excessively high temperatures.

This is different than the Auto Sleep setting in the "Properties" area of the "Project" sheet.

#### ' "LOAD MONITORING"

Here you can make settings for monitoring the speaker output impedance in order to determine whether the output has been interrupted by an electrical short, breakage, or speaker malfunction. By outputting a

pilot tone, the impedance can be detected in a stable manner without relying on the audio signal output. This is not shown for channels that are specified as a Hi-Z connection.

#### • [ON] button

Switches LOAD MONITORING on/off.

#### OSCILLATOR [ON] button

Specifies whether a pilot tone is output. A pilot tone from an external input can also be used to detect the impedance.

• OSCILLATOR [Level] knob

Specifies the output level of the pilot tone.

#### IMPEDANCE [Detection Freq.] knob

Specifies the frequency for which impedance is detected. The [Impedance] field below shows the measured impedance.

#### • IMPEDANCE [High Threshold] knob/indicator

Specifies the upper threshold of impedance that is measured. If the specified value is exceeded, it

is determined that the speaker has malfunctioned, and the indicator will light. If the specified value is exceeded, it might be that the connection is open, such as due to a broken cable.

#### • IMPEDANCE [Low Threshold] knob/indicator

Specifies the lower threshold of impedance that is measured. If the measurement drops below the

specified value, it is determined that the speaker has malfunctioned, and the indicator will light. If the measurement drops below the specified value, it might be that the resistance has dropped due to a shorted coil, etc.

# 18.8.7. "Speaker Out" component editor

This shows the speaker output jack's output voltage and output current.

| E Speaker   | Out  |   |  |   |   | - [   | X   |
|---|--|---|--|---|---|---|---|
| A   | A B  |   |  | (   | 2   | l   | C   |
| O AMP   | PROTECT  | O AMP   | PROTECT  | O AMP   | PROTECT   | O AMP   | PROTECT   |
| O AMP   | LIMIT  | O AMP   | LIMIT  | O AMP   | LIMIT   | O AMP   | LIMIT   |
| O PEAK  | LIMIT  | O PEAK  | LIMIT  | О РЕАК  | LIMIT   | O PEAK  | LIMIT   |
|   | IMIT   |   | LIMIT  | C RMS   | LIMIT   |   | LIMIT   |
| Voltage   | Current  | Voltage   | Current  | Voltage   | Current   | Voltage   | Current   |
| - 0 -<br>- 6 -<br>- 12 -<br>- 18 -<br>- 24 -<br>- 30 -<br>- 30 -<br>- 36 -<br>-<br>- 42 -<br>- 48 -<br>- 54 -<br>- 54 -<br>- 54 - | 0 - 12 - 18 - 12 - 18 - 24 - 30 - 36 - 36 - 36 - 42 - 48 - 54 - 54 - 54 - 60 60 60 | 0 - 12 - 18 - 24 - 30 - 36 - 42 - 48 - 54 - 54 - 60 60 60 60 60 | 0 -<br>6 -<br>12 -<br>18 -<br>24 -<br>30 -<br>36 -<br>42 -<br>48 -<br>54 -<br>60 - | 6 -<br>12 -<br>18 -<br>24 -<br>30 -<br>36 -<br>42 -<br>48 -<br>54 -<br>54 - | 6 -<br>12 -<br>18 -<br>24 -<br>30 -<br>36 -<br>42 -<br>48 -<br>54 -<br>54 - | - 0 -<br>- 12 -<br>- 18 -<br>- 24 -<br>- 30 -<br>- 36 -<br>- 42 -<br>- 48 -<br>- 54 -<br>- 54 - | 6 -<br>12 -<br>18 -<br>24 -<br>30 -<br>36 -<br>42 -<br>48 -<br>54 -<br>54 - |
| PEAK RMS  | PEAK RMS   | PEAK RMS  | PEAK RMS   | PEAK RMS  | PEAK RMS  | PEAK RMS  | PEAK RMS  |
|   |  |   |  |   |   | AMP:Ch/   | Protect 🗘   |

#### ' [AMP PROTECT] indicator

This will light if the protection function of the PC unit itself is operating.

• [AMP LIMIT] indicator

This will light if the limiter of the PC unit itself is operating.

• [PEAK LIMIT] indicator

This is lit if the peak limiter within the speaker processor of the PC unit is operating.

• [RMS LIMIT] indicator

This is lit if the RMS limiter within the speaker processor of the PC unit is operating.

' [Voltage] meter

Shows the output voltage as Peak and RMS.

• [Current] meter

Shows the output current as Peak and RMS.

# **19. Power Amplifiers XMV-series**

- 19.1 Overview
- 19.2 "Project" sheet
- 19.3 Tuning Sheet
- 19.4 Device sheet screen configuration
- 19.5 Context Menu
- 19.6 Alert list
- **19.7 Component editors**

# 19.1. Overview

The XMV series is a Class D power amplifier that offers high efficiency while also incorporating functions optimized for commercial spaces. In addition to analog inputs and outputs, the system is equipped with the newly developed "YDIF" digital audio format or "Dante" network audio. The YDIF-compatible models that are connected using Ethernet cables simplify setup, while the Dante models enable high-quality digital transmission in large-scale facilities.

# 19.2. "Project" sheet

This is the sheet on which devices are placed.

When placing devices, the Settings screen shown below will be displayed.

|         | Devices         | ∓ × | Project  | 🗗 Tuning             |             |     |
|---------|-----------------|-----|----------|----------------------|-------------|-----|
|         | 🛨 🖃 🔍 Filter    |     |          | 0                    | 1300 1400   | 500 |
| Devices | PC406-D         | ^   |          |                      |             |     |
| ices    | PC406-DI        |     |          | Settings             | ×           |     |
|         | E PC412-D       |     | •        | Jettings             | ~           |     |
|         | PC412-DI        |     |          | XMV4140-D            |             |     |
| z       | 🗆 🖿 XMV Series  |     | 1        | Number of Devices    | 1           |     |
| Network |                 |     | 8        | Unit ID Starting Fro | m 01 ~      |     |
| ork     | E XMV4140       |     |          | Device Name          | XMV4140-D   |     |
|         | E XMV4140-D     |     | 3::::::: | Device Mairie        | XIVIV4140-D |     |
|         | E XMV4280       |     |          |                      | OK Cancel   |     |
|         | ***** XMV4280-D |     | 200      |                      |             |     |
|         | ****** XMV8140  |     |          |                      |             |     |
|         |                 |     |          |                      |             |     |
|         | EMALE XMV8140-D |     | 8        |                      |             |     |
|         | EMECHI XMV8280  |     | m        |                      |             |     |

#### • Number of Devices

Selects the number of XMV series units placed on the sheet.

#### <sup>•</sup> Unit ID Starting From

You can select the starting number for the device Unit IDs.

• Device Name

The device name can be displayed and edited.

### 19.2.1. "Properties" area

#### "Input Source & Redundancy"

Here you can specify for each channel whether the input source to the XMV will be digital or analog. If the input source is specified as digital, you can specify that the input source will switch from digital to analog when a pilot

tone or analog input is detected. Here we explain the screen for when the digital input is Dante. When you click on the Value field for each channel in the Properties Area "Input Source & Redundancy," and then click the "..." that is displayed, the "Input Source & Redundancy" dialog will be displayed.

| S Input Source & Redundancy              |  |              | ×      |  |  |
|--|--|--------------|--------|--|--|
| Redundant Mode Off 🔄 🗹 Auto Return       |  |              |        |  |  |
| Ch A                                     |  |              |        |  |  |
| Primary Input Source                     | Redundant Mode - Backup                          |              |        |  |  |
| Dante (Digital)                          | Pilot Tone detection setup.                      |              |        |  |  |
| Activate Redundant Mode                  | Frequency  | 20.0kHz      | *      |  |  |
| Channel will switch to Analog Input - A. | Detection Threshold                              | -40.0dBFs    | *      |  |  |
| O Analog                                 | Detection Time                                   | 0s           | *      |  |  |
| Input Source is Analog Input - A.        | Notch Filter                                     |              |        |  |  |
| Redundant mode settings will not apply.  | Filter Pilot Tone from amplifier channel output. |              |        |  |  |
|  | Q  | 10.0         | *      |  |  |
|  | Redundant Mode - Override                        |              |        |  |  |
|  | Override Threshold                               | 0.0dBu       | *      |  |  |
|  | Auto Return Delay                                | 5s           | 4<br>V |  |  |
|  |  | Save Changes | Cancel |  |  |

#### ' [Redundant Mode] list box

Selects the redundancy method.

∘ **[Off]** 

Redundancy is disabled.

• [Backup]

Switch to analog input when the pilot tone of the digital input is interrupted due to a broken connection or other problem.

#### • [Override]

Switch to the analog input when analog audio is detected.

#### • [Auto Return] check box

If this check box is selected, operation will be as follows.

• In the case of Backup mode

When the digital input recovers, the input source is switched from analog to digital.

 $\,\circ\,$  In the case of Override mode

When the analog input falls below the threshold value, the input source is returned from analog to digital.

<sup>•</sup> Channel index

Shows the input channel number for which to make settings.

#### \* "Primary Input Source" area

Here you can specify for each channel whether the input will be digital or analog.

#### • [YDIF (Digital)]/[Dante (Digital)] option button

The signal of the corresponding channel is taken from YDIF or Dante.

To specify the Dante patching, make settings in Dante Controller.

#### • [Active Redundant Mode] check box

If this check box is selected, the redundancy function is enabled. The [Redundant Mode] list box determines the redundancy mode. If [Off] is selected, the redundancy function is disabled even if this check box is selected.

#### • [Analog] option button

The signal is taken from the analog input jack of the corresponding channel.

#### \* "Redundant Mode - Backup" area

Here you can specify how the pilot tone is detected for each channel.

• [Frequency] spin box Specifies the center frequency of the pilot tone.

opconice are conten nequency of are par

#### $\circ\,$ [Detection Threshold] spin box

Specifies the input level threshold value for the pilot tone. Input that exceeds the threshold value is considered to be the pilot tone.

#### • [Detection Time] spin box

Specifies the detection time for the pilot tone. If the pilot tone can not be detected for the specified time interval, it is determined that the input has ceased.

#### • [Notch Filter] check box

If this check box is selected, a notch filter is enabled to eliminate the frequency component of the pilot tone so that the pilot tone is not output from the amp.

#### • [Q] spin box

Specifies the width of the frequency band for the notch filter.

#### \* "Redundant Mode - Override" area

Here you can specify the conditions under which each channel will switch to the analog input in Override mode.

#### • [Override Threshold] spin box

Specifies the threshold value for the analog input. When the threshold value is exceeded, the input source will switch to analog.

#### • [Auto Return Delay] spin box

If the [Auto Return] check box is selected, this specifies the time after the analog input falls below the threshold value until the input is switched back to the digital input.

#### ' [Save Changes] button

Saves the settings and closes the dialog box.

#### • [Cancel] button

Discards the changes and closes the dialog box.

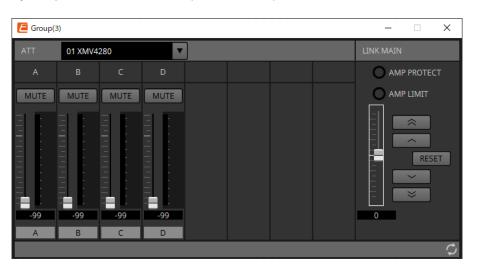
# 19.3. Tuning Sheet

The Tuning sheet allows you to set parameters (such as EQ and Delay) for grouped channels collectively. For the sheet details, please refer to the "Tuning" sheet.

### 19.3.1. Link group editor

This is the parameter setting screen for link groups.

This appears when you double-click a link group on the "Tuning" sheet in which a channel of a XMV-series unit is registered, or when you right-click and choose [Open Link Group Editor].



### 19.3.2. "ATT"

Here you can make collective adjustments to the attenuator of the channels registered in the group.

Use the Main fader to control the attenuator.

The "LINK MAIN" main fader collectively applies a relative adjustment to the attenuator of the channels

registered in the group.

For details on the attenuator, refer to "Power/ATT/Polarity" component editor.

• ATT list box

Lists the amps that are registered in the group.

• Channel index The channel index of the device.

### 19.3.3. "LINK MAIN"

Applies a relative adjustment to the attenuators within the link group.

• [AMP PROTECT] indicator

This will light if the protection function of the XMV unit itself is operating.

#### • [AMP LIMIT] indicator

This will light if the limiter of the XMV unit itself is operating.

• Main fader

Applies a relative adjustment to the attenuators within the link group. The adjustable range is shown above and below in gray.

When you right-click the fader and choose [Match Values], the members of the link group are set to the same attenuator value.

#### 🔷 button

Raises the main fader by 3 dB.

#### **button**

Raises the main fader by 1 dB.

### • [RESET] button

•

Moves the main fader to the 0 position.

#### button

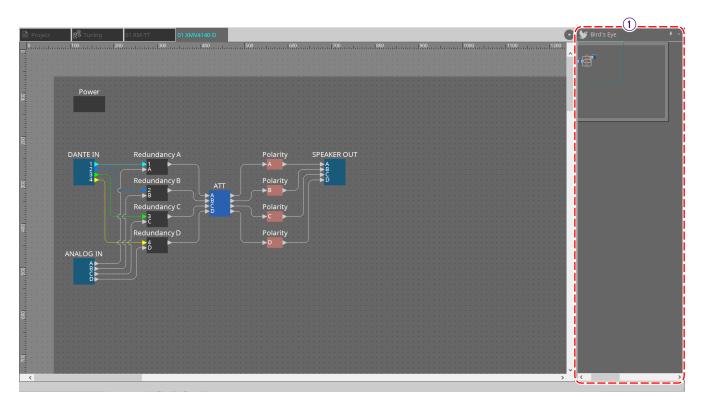
Lowers the main fader by 1 dB.

#### 🗧 button

Lowers the main fader by 3 dB.

# 19.4. Device sheet screen configuration

When you open the device sheet for an XMV-series device, the device sheet and the "Bird's Eye view" appear. When you double-click a component in the device sheet, the component editor opens.



① **Bird's Eye view** This shows an overview of the sheet.

# 19.5. Context Menu

The following describes the contents of the context menus that are displayed when you right-click each area.

### 19.5.1. "Tuning" sheet

The following context menu appears when you right-click the "Tuning" sheet.

| Menu                       | Content   |
|----------------------------|---|
| [Select All]               | [All Link Groups]<br>Selects all link groups in the sheet.                      |
| [Close All Editor Windows] | Closes all editors.   |
| [Snap to Grid]             | If this is checked, objects are placed in alignment with the grid of the sheet. |

### 19.5.2. Link group in the "Tuning" sheet

The following context menu appears when you right-click a link group, although certain menu items may be present or absent.

| Menu                     | Content   |
|--------------------------|---|
| [Open Link Group Editor] | Opens the link group editor. For details on the link group editor, refer to each device.  |
| [Open Amplifier Sheet]   | Opens the device sheet of the selected amp.   |
| [Identify]               | Causes the indicators of the amp to flash for several seconds.<br>If a channel is selected on the PC-series amp, this causes the channel<br>indicator to flash for several seconds.                           |
| [Delete]                 | If a channel is selected, this deletes the channel from the link group.<br>If a device is selected, this deletes the device from the link group.<br>If a link group is selected, this deletes the link group. |
| [Bring to Front]         | Moves the link group to the foreground.   |
| [Send to Back]           | Moves the link group to the background.   |

### 19.5.3. "Project Devices" area

The following context menu appears when you right-click a device or channel in the "Project Devices" area.

| Menu                | Content   |
|---------------------|---|
| [Find]              | Places the focus on the link group in which the device or channel is registered.  |
| [Add to Link Group] | Registers the amp's channels in a link group. If the speaker is connected to an amp, this registers the channel of the connected amp. |

# 19.5.4. "Link Groups" area

The following context menu appears when you right-click an object in the "Link Groups" area.

| Menu     | Content   |
|----------|---|
| [Find]   | If you right-clicked a device, this places the focus on that device in the link<br>group, and opens the link group component editor.<br>If you right-clicked a channel or a link group, this places the focus on the<br>channel within the link group or on the link group, and opens the link<br>group editor. |
| [Delete] | If you right-clicked a channel, this deletes the channel from the link group.<br>If you right-clicked a device, this deletes the device from the link group.<br>If you right-clicked a link group, this deletes the link group.   |

# 19.6. Alert list

The alerts generated by XMV-series units, and their significance and the appropriate actions, are listed below. A single alert is shown when the event occurs. A continuing alert is shown when the event occurs and when it ends.

Some alerts and information are shown in ProVisionaire Design but not shown on the unit itself. If the problem is not solved, please contact a Yamaha service center listed at the end of the device's operating manual.

| Numb<br>er  | Severity    | Content  | Action  | Single/Contin<br>uing |
|-------------|-------------|--|---|-----------------------|
| Device      | abnormality |  |   |                       |
| 001~<br>008 | Fault       | The device has not started up correctly.   | Turn the power off, wait at least five<br>seconds, and then turn the power<br>on. If this does not solve the<br>problem, initialize the memory. If the<br>problem is still not solved, contact a<br>Yamaha service center.  | Continuing            |
| 10          | Fault       | The internal backup battery is<br>completely exhausted, or is not<br>installed.  | When you turn off the power, the<br>current settings will be lost and will<br>return to the default values.   | Continuing            |
| 11          | Error       | Immediately stop using the unit, and contact a Yamaha service center.  | Continuing  |                       |
| 12          | Warning     | The internal backup battery is low.  | The unit will operate correctly, but if<br>you continue using it the settings<br>may be lost and initialized. Contact<br>a Yamaha service center as soon as<br>possible.  | Single                |
| 13          | Fault       | An error occurred in the internal<br>clock, and it has been set to the<br>default value (year 2000, January<br>1st, midnight). | If this occurs each time you turn the<br>power on, it may be that the internal<br>backup battery has run low or that<br>the unit has malfunctioned. Contact<br>a Yamaha service center. If this<br>occurs only once, an abnormality<br>was detected in the value of the<br>clock setting and it has been<br>initialized; use "Clock" dialog box to<br>set the time. | Continuing            |
| 15          | Fault       | The settings saved in internal memory have been lost.  | It is possible that the internal<br>backup battery is low, or that the<br>unit may have malfunctioned.<br>Contact a Yamaha service center.  | Continuing            |
| 16          | Fault       | It might be that the internal memory of the unit has malfunctioned.  | Contact a Yamaha service center.  | Continuing            |
| 21          | Error       | The digital signal that is selected as the word clock leader is unlocked.  | Check whether the word clock signal is being input correctly.   | Continuing            |

| Numb<br>er | Severity | Content   | Action   | Single/Contin<br>uing |
|------------|----------|---|--|-----------------------|
| 22         | Error    | The digital signal being input to the<br>[YDIF IN] connector is not<br>synchronized to the word clock of<br>this unit.              | Check whether the cable is<br>connected correctly.<br>Use a cable that meets the<br>specifications.  | Single                |
| 23         | Error    | The digital signal being input to the<br>[YDIF IN] connector is not<br>continuously synchronized to the<br>word clock of this unit. |  | Continuing            |
| 30         | Error    | There is a problem with the connection of the [YDIF IN] connector.  | Check whether the cable is<br>connected correctly.<br>Use a cable that meets the<br>specifications.  | Continuing            |
| 40         | Error    | The IP address is conflicting.  | Set the IP address so that it does not conflict.   | Continuing            |
| 41         | Warning  | The IP address was not established within 60 seconds of start-up.   | If the device's DIP switch 6 (IP<br>SETTING) is set to "PC," use the<br>DHCP server to specify the IP<br>address.  | Continuing            |
| 43         | Error    | Too many devices are connected to the network.  | Reduce the number of devices that are connected to the network.  | Single                |
| 46         | Error    | The Dante transmission flow number limit has been exceeded.   | Reduce the flow number, for<br>example by using Dante Controller<br>to change part of the transmission<br>flow to multicast.   | Single                |
| 50         | Error    | The UNIT ID is set to "00."   | Set the UNIT ID to something other than "00."  | Continuing            |
| 51         | Error    | Another device with the same UNIT<br>ID was found connected to the<br>same network.   | Set the UNIT ID so that it does not conflict.  | Continuing            |
| 72         | Error    | Because Device Lock has been<br>specified for Dante, the DIP switch<br>setting does not match the Dante<br>setting.                 | If Device Lock is specified, either<br>cancel it from Dante Controller, or<br>reconsider the DIP switch setting so<br>that it is set correctly for the current<br>state.   | Continuing            |
| 100        | Fault    | The power supply was shut down<br>because a direct current component<br>was detected at the speaker output<br>jack.                 | It is likely that the unit has<br>malfunctioned; contact a Yamaha<br>service center.   | Continuing            |
| 101        | Fault    | The power supply was shut down<br>because the power supply<br>temperature exceeded the rated<br>value.                              | Turn off the power, wait for the<br>power supply to cool, and then turn<br>the power on again. Lower the<br>output level, since continuous high<br>wattage output will cause high<br>temperatures. If the temperature is<br>still high, check whether dust or<br>foreign matter might be clogging<br>the cooling fan intake, and clean the<br>intake if necessary. | Continuing            |

| Numb<br>er | Severity    | Content  | Action  | Single/Contin<br>uing |
|------------|-------------|--|---|-----------------------|
| 103        | Error       | The power supply has been shut down by the protection circuit.   | Because a high-load situation has<br>continued, you should lower the<br>output level. Refer to the owner's  | Continuing            |
| 104        | Error       | The protection circuit has activated, and output [ch*] is muted.   | manual for the reason that<br>protection was activated.   | Continuing            |
| 105        | Fault       | The output was muted because a short was detected in speaker output jack [ch*].  | It may be that the + and - of the<br>speaker output jack have shorted, or<br>that the connected speaker has<br>malfunctioned.   | Single                |
| 106        | Warning     | The temperature of the amp section<br>(heat sink) has changed, causing<br>the following speaker output status.<br>(*)<br>* = 0dB and OK<br>-1dB and in protection<br>muted and in protection | Lower the output level, since<br>continuous high wattage output will<br>cause high temperatures. If the<br>temperature is still high, check<br>whether dust or foreign matter<br>might be clogging the cooling fan<br>intake, and clean the intake if<br>necessary. | Single                |
| Device     | information |  | I   |                       |
| 200        | Information | The power has turned on.   | -   | Single                |
| 201        | Information | The power has turned off.  | _   | Single                |
| 202        | Information | Firmware update has been completed.  | _   | Single                |
| 203        | Information | Initialization has been executed.  | -   | Single                |
| 204        | Information | Panel lock has been defeated.  | -   | Single                |
| 205        | Information | The IP address has been established.   | _   | Single                |
| 206        | Information | The network IP address has been allocated while operating with the DHCP server.  | -   | Single                |
| 207        | Information | The network IP address has been released while operating with the DHCP server.   | _   | Single                |
| 211        | Information | Synchronization between the Editor and the devices has begun.  | _   | Single                |
| Amp ir     | nformation  | 1  | 1   | 1                     |
| 102        | Information | The protection circuit has caused the limiter [ch*] to operate.  | Because a high-load situation has<br>continued, you should lower the<br>output level. Refer to the owner's<br>manual for the reason that<br>protection was activated.   | Continuing            |
| 110        | Error       | The Redundant Backup function has<br>operated, and channel * has<br>switched to analog input.  | There is a problem with the digital<br>signal. Check the connection of the<br>digital circuit, and check whether a<br>pilot tone signal is being input.   | Continuing            |

#### 19. Power Amplifiers XMV-series

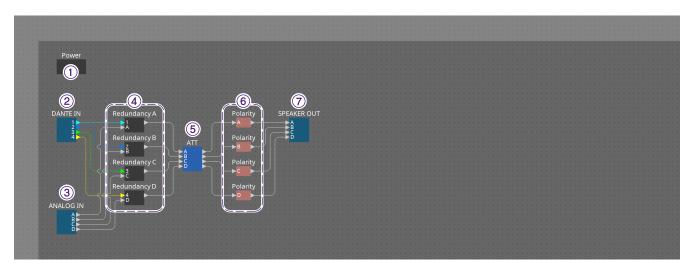
| Numb<br>er | Severity    | Content   | Action | Single/Contin<br>uing |
|------------|-------------|---|--------|-----------------------|
| 219        | Information | The Power Amp Mode was changed.   | _      | Single                |
| 226        | Information | The Redundant Override function<br>has operated, and channel * has<br>switched to analog input. | _      | Continuing            |

# **19.7. Component editors**

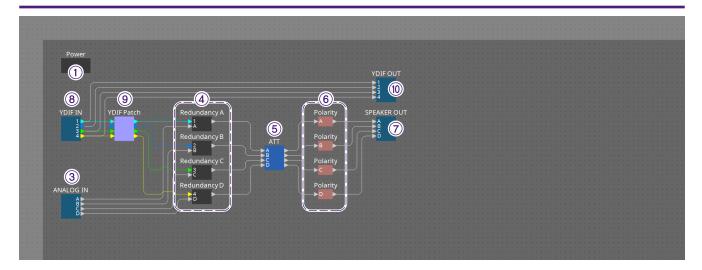
The component editor allows you to set and adjust each component of the selected device.

When you double-click a component in the device sheet, the component editor opens. This section describes the XMV series component editor, and the dialogs and windows that are closely associated with the components. For details about other components, refer to the "ProVisionaire Design Component Guide"".

#### Dante model



| No. | Component name | Details   | Link                                  |
|-----|----------------|---|---------------------------------------|
| 1   | Power          | This sets the power supply standby/ON, mute, polarity, and attenuator.          | "Power/ATT/Polarity" component editor |
| 2   | DANTE IN       | Sends the audio signal input from the [Dante] terminal.                         | -                                     |
| 3   | ANALOG IN      | Sends the audio signal input from the analog input terminal.                    | -                                     |
| 4   | Redundancy     | Sets the pilot tone detection setting during Redundant mode.                    | "Redundancy" component editor         |
| 5   | ATT            | This sets the power supply standby/ON, mute, polarity, and attenuator.          | "Power/ATT/Polarity" component editor |
| 6   | Polarity       | This sets the power supply standby/ON, mute, polarity, and attenuator.          | "Power/ATT/Polarity" component editor |
| 7   | SPEAKER OUT    | Displays the speaker output<br>terminal's output voltage and<br>output current. | "Speaker Out" component editor        |



### YDIF model

| Numbe<br>r | Component name | Details  | Link                                  |
|------------|----------------|--|---------------------------------------|
| 1          | Power          | This sets the power supply standby/ON, mute, polarity, and attenuator.                     | "Power/ATT/Polarity" component editor |
| 3          | ANALOG IN      | Sends the audio signal input from the analog input terminal.                               | -                                     |
| 4          | Redundancy     | Sets the pilot tone detection setting during Redundant mode.                               | "Redundancy" component editor         |
| 5          | ATT            | This sets the power supply standby/ON, mute, polarity, and attenuator.                     | "Power/ATT/Polarity" component editor |
| 6          | Polarity       | This sets the power supply standby/ON, mute, polarity, and attenuator.                     | "Power/ATT/Polarity" component editor |
| 7          | SPEAKER OUT    | Displays the speaker output<br>terminal's output voltage and<br>output current.            | "Speaker Out" component editor        |
| 8          | YDIF IN        | Sends the audio signal input from the [YDIF] terminal.                                     | •                                     |
| 9          | YDIF Patch     | Selects the YDIF audio channel<br>that will be input to each<br>amplifier's input channel. | "YDIF Patch" component editor         |

# 19.7.1. "Power/ATT/Polarity" component editor

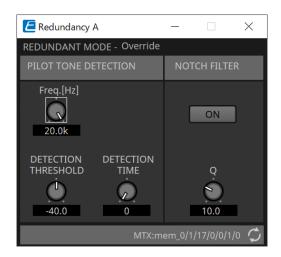
This appears when you double-click either a "Power" component, "ATT" component, or "Polarity" component.

- Power / ATT / Pol...  $\times$ POWER STANDBY ON Α MUTE MUTE MUTE MUTE INVERT INVERT INVERT INVERT -99 -99 -99 -99 В D A
- [STANDBY]/[ON] buttons Switch the power between standby/on.
- Channel index Indicates the speaker jack output channel.
- [MUTE] button Switches mute on/off for the output channel.
- **[INVERT] button** Switches the polarity of the output signal.
- Attenuator Sets the XMV's output attenuator value.
- **Redundancy indicator** This will light if the redundancy function has switched the input to analog.
- Channel name Indicates the channel name. You can double-click this and edit it.

### 19.7.2. "Redundancy" component editor

This appears when you double-click the "Redundancy" component.

This is the component editor to use if you want to make settings while hearing the sound when the redundancy mode is "Backup."



#### ' "REDUNDANT MODE"

This indicates the status of redundancy mode.

#### \* "PILOT TONE DETECTION"

Here you can make settings for pilot tone detection.

#### • [Freq.[Hz]] knob

Specifies the center frequency of the pilot tone.

#### • [DETECTION THRESHOLD] knob

Specifies the input level threshold value for the pilot tone. Input that exceeds the threshold value is considered to be the pilot tone.

#### • [DETECTION TIME] knob

Specifies the detection time for the pilot tone. If the pilot tone can not be detected for the specified time interval, it is determined that the input has ceased.

#### \* "NOTCH FILTER"

Here you can make settings for the notch filter that prevents the pilot tone from being output from the amp.

#### • [ON] button

If this is on, a notch filter is enabled to eliminate the frequency component of the pilot tone so that the pilot tone is not output from the amp.

#### • [Q] knob

Specifies the width of the frequency band for the notch filter.

# 19.7.3. "Speaker Out" component editor

This shows the speaker output jack's output voltage and output current.

| E Speaker  | Out              |  |  |  |  | -  | ×  |  |
|--|------------------|--|--|--|--|--|--|--|
| A  | ł                | E  | 3  | (  | 2  | D  |  |  |
|  | PROTECT<br>LIMIT |  | PROTECT<br>LIMIT   | Ĭ  | PROTECT<br>LIMIT   | AMP PROTECT     AMP LIMIT  |  |  |
| Voltage  | Current          | Voltage  | Current  | Voltage  | Current  | Voltage  | Current  |  |
| • 0         • 0         • 0           - 3         - 3         -           - 6         - 6         -           - 9         - 9         -           - 12         - 12         -           - 15         - 15         -           - 18         -         18           - 24         -         24           - 30         -         30           - 40         -         40           - 50         -         50           - 60         -         60           PEAK         PEAK         PEAK |                  | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60<br>PEAK | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60<br>PEAK | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60<br>PEAK | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 30<br>- 40<br>- 50<br>- 60<br>PEAK | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60<br>PEAK |  |
|  |                  |  |  |  | MTX:mti  | r_512/80000  | /meter 🗘   |  |

#### \* [AMP PROTECT] indicator

This will light if the protection function of the XMV unit itself is operating.

' [AMP LIMIT] indicator

This will light if the limiter of the XMV unit itself is operating.

- [Voltage] meter Shows the output voltage as Peak.
- [Current] meter

Shows the output current as Peak.

# 19.7.4. "YDIF Patch" component editor

Selects the YDIF audio channel that will be input to each amplifier's input channel.



# 20. I/O Interface Rio3224-D3 / Rio1608-D3 / Rio3224-D2 / Rio1608-D2

20.1 Overview 20.2 "Project" sheet 20.3 Editor 20.4 Context menu

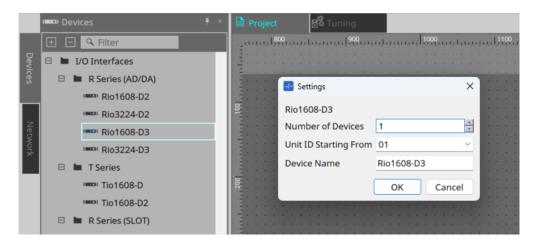
# 20.1. Overview

This is a Dante-compatible I/O rack. Input from analog terminals can be converted to Dante output, and Dante

input can be converted to output to analog terminals. Because the Rio3224-D3/D2 is equipped with 8-channel AES/EBU output, it can also convert Dante inputs to digital outputs (AES/EBU).

# 20.2. "Project" sheet

This is the sheet on which devices are placed. When placing devices, the Settings screen shown below will be displayed.



#### ' Number of Devices

Selects the number of Rio units placed on the sheet.

' Unit ID Starting From

You can select the starting number for the device Unit IDs.

#### • Device Name

The device name can be displayed and edited.

# 20.3. Editor

Double clicking a device on the Project sheet will directly open the editor.

### INPUT

| 601 Rio 3   | 224-D2   |  |  |  |  |  |  |  |  |  |  |  |  | - [  | ×  |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|   |  |  |  |  |  |  |  |  |  |  |  | +48'   | V ACTIVE   |  | HOLD   |
| 1   |  |  |  |  |  |  |  |  |  | 11   | 12   | 13   | 14   |  | 16   |
| - 0<br>- 3<br>- 6<br>- 12<br>- 15<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 30<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 30<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 |
| +48V  | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   |
| A.GAIN  | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   |
| 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| GC  | GC   | GC   | GC   | GC   | GC   | GC   | GC   | GC   | GC   | GC   | GC   | GC   | GC   | GC   | GC   |
| HPF   | HPF  | HPF  | HPF  | HPF  | HPF  | HPF  | HPF  | HPF  | HPF  | HPF  | HPF  | HPF  | HPF  | HPF  | HPF  |
| Freq.   | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  |
|   | <u>()</u>  | <u></u>  | <u></u>  | <u>()</u>  | <u>()</u>  | Č.   | <u>(</u> )   | <u>(</u> )   | <u>()</u>  |  | <u>(</u> )   | <u>()</u>  | <u>(</u> )   | <u>(</u> )   | <u> </u>   |
| 80.0  | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   |
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\Diamond$   |

#### +48V ACTIVE

Displays whether the phantom function of the device is enabled or disabled.

#### ' [+48V] button

Switches the HA phantom power supply (+48 V) ON and OFF. When the device's phantom function is enabled, the ON for this button is enabled.

#### ' [PEAK HOLD] button

When this button is set to ON, the peak of each level meter is retained. When it is turned OFF, the retained peaks are deleted.

#### • [A.GAIN] knob

The HA analog gain can be adjusted.

#### ' [GC] indicator / gain value

The ON/OFF status of gain compensation for the R series (AD/DA) is displayed. When gain compensation is ON, the gain value fixed by gain compensation is displayed.

#### • [HPF] button

When this is turned ON (illuminated), a high-pass filter can be applied to the audio signal.

#### • [Freq.] knob

The frequency band for high-pass filtering can be adjusted.

### OUTPUT (Rio3224-D3、Rio1608-D3のみ) AES/EBU OUT(Rio3224-D3のみ)

| 6 01 Rio3224-D3         |            |                      |           |           |                              |                      |           |           |                      |           |           |           |           |            | -           | □ ×         |
|-------------------------|------------|----------------------|-----------|-----------|------------------------------|----------------------|-----------|-----------|----------------------|-----------|-----------|-----------|-----------|------------|-------------|-------------|
| INPUT                   |            |                      |           |           |                              |                      |           |           |                      |           |           |           | +4        | 8V ACTIVE  |             | K HOLD      |
|                         |            |                      |           |           |                              |                      |           |           |                      |           |           | 12        |           | 14         |             |             |
| Phones L<br>NONE        | Ø          | Ø                    | Ø         | Ø         | Ø                            | Ø                    | Ø         | Ø         | Ø                    | Ø         | Ø         | Ø         | φ         | φ          | Ø           | Φ           |
| Phones R<br>MONO        | GAIN<br>C  | GAIN<br>GAIN<br>O.00 | GAIN<br>C | GAIN<br>C | GAIN<br>GAIN<br>GAIN<br>GAIN | GAIN<br>GAIN<br>O.00 | GAIN<br>C | GAIN<br>C | GAIN<br>GAIN<br>O.00 | GAIN<br>C | GAIN<br>C | GAIN<br>C | GAIN<br>C | GAIN<br>C  | GAIN<br>C   | GAIN<br>C.  |
| Impedance<br>10k        |            |                      |           |           |                              |                      |           |           |                      |           | DELAY     | DELAY     | DELAY     | DELAY      | DELAY       | DELAY       |
| ms ———                  | 0.00       | 0.00                 | 0.00      | 0.00      | 0.00                         | 0.00                 | 0.00      | 0.00      | 0.00                 | 0.00      | 0.00      | 0.00      | 0.00      | 0.00       | 0.00        | 0.00        |
| sample<br>Fs=96 kHz     | 0          | 0                    | 0         | 0         | 0                            | 0                    | 0         | 0         | 0                    | 0         | 0         | 0         | 0         | 0          | 0           | 0           |
| meter ———<br>343.59 m/s | 0.00       | 0.00                 | 0.00      | 0.00      | 0.00                         | 0.00                 | 0.00      | 0.00      | 0.00                 | 0.00      | 0.00      | 0.00      | 0.00      | 0.00       | 0.00        | 0.00        |
| feet<br>1127.26 ft/s    | 0.0        | 0.0                  | 0.0       | 0.0       | 0.0                          | 0.0                  | 0.0       | 0.0       | 0.0                  | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 0.0         | 0.0         |
| frame ———<br>30 frame/s | 0.00       | 0.00                 | 0.00      | 0.00      | 0.00                         | 0.00                 | 0.00      | 0.00      | 0.00                 | 0.00      | 0.00      | 0.00      | 0.00      | 0.00       | 0.00        | 0.00        |
|                         | < <u> </u> |                      |           |           |                              |                      |           |           |                      |           |           |           |           |            |             |             |
|                         |            |                      |           |           |                              |                      |           |           |                      |           |           |           |           | IO:Current | t/OutCh/Pol | arity 0 0 🗘 |

#### ' Phones

Select the audio to be output to the PHONES OUT port.



Select the same source for L and R, or select a source for L and set R to MONO to output the audio in mono.

- Impedance Select the output impedance.
- [Polarity] button Switches the phase.
- [Gain] knob Sets the gain.
- **[Delay] button** Turns on/off the delay.
- [Delay] knob# Sets the delay time.

# 20.4. Context menu

When you right-click on a Ch space in the Editor, the following context menu will be displayed.

| Menu     | Details  |
|----------|--|
| Identify | The LCD display of the selected device's main unit and the indicators linked to the Ch flash simultaneously. |

# 21. I/O Interface Tio1608-D / Tio1608-D2

21.1 Overview 21.2 "Project" sheet 21.3 Editor

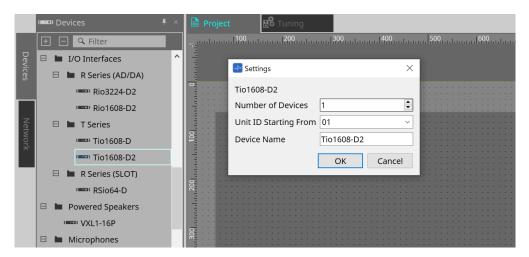
# 21.1. Overview

The Tio series is a Dante-compatible I/O rack with 16 mic/line inputs and 8 line outputs. By using the Tio series, the system can be easily expanded to build a stage box system with a maximum of 40 In/24 Out.

# 21.2. "Project" sheet

This is the sheet on which devices are placed.

When placing devices, the Settings screen shown below will be displayed.



#### • Number of Devices

Selects the number of Tio units placed on the sheet.

### • Unit ID Starting From

You can select the starting number for the device Unit IDs.

Device Name

The device name can be displayed and edited.

# 21.3. Editor

Double clicking a device on the Project sheet will directly open the editor.

| 601 Tio10  | 508-D  |  |  |  |   |  |  |  |  |  |  |  |  | - [  | ×  |
|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |   |  |  |  |  |  |  | +48'   | V ACTIVE   |  | HOLD   |
| 1  |  |  |  |  |   |  |  |  |  | 11   | 12   | 13   | 14   |  |  |
| 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 |
| +48V   | +48V   | +48V   | +48V   | +48V   | +48V  | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   | +48V   |
| A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN  | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   | A.GAIN   |
| HPF  | HPF  | HPF  | HPF  | HPF  | HPF   | HPF  | HPF  | 0<br>HPF   | HPF  |
| Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.   | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  | Freq.  |
|  | <u>()</u>  | <u>()</u>  | <u>()</u>  | <u>()</u>  | <u>()</u>   | <u>()</u>  | <u>()</u>  | <u>()</u>  | <u>()</u>  |  | <u>()</u>  | <u>()</u>  | <u>()</u>  | <u>()</u>  |  |
| 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0  | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   |
| <  |  |  |  |  |   |  |  |  |  |  |  |  |  |  | Þ  |
|  |  |  |  |  |   |  |  |  |  |  |  |  |  |  | $\Diamond$   |

The functions and method of use are the same as the [Rio] editor.

# 22. I/O Interface RSio64-D

22.1 Overview 22.2 "Project" sheet 22.3 Editor

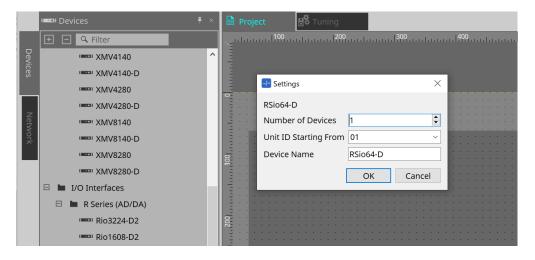
### 22.1. Overview

This I/O rack can be utilized in a wide range of applications, including live sound, broadcasting, and recording, and features maximum 64 in/64 out Dante/Mini-YGDAI card conversion compatibility.

The RSio64-D is an audio interface that can convert between Dante and Mini-YGDAI formats for up to 64 inputs and 64 outputs.

## 22.2. "Project" sheet

This is the sheet on which devices are placed. When placing devices, the Settings screen shown below will be displayed.



#### \* Number of Devices

Selects the number of RSio units placed on the sheet.

#### <sup>•</sup> Unit ID Starting From

You can select the starting number for the device Unit IDs.

#### • Device Name

The device name can be displayed and edited.

## 22.3. Editor

201 RSio64-D \_  $\times$ ▼ ON ON ON ON • WORD CLOCK #0 USER PATTERN WCLK IN SLOT1 1/2 DANTE PATCH PATTERN #0

Double clicking a device on the Project sheet will directly open the editor.

#### ' [CARD NAME]

Upper level

Select the card you plan to install in the device.

The "Select Card" dialog opens when you click it.

Lower level

Displays the card that is actually installed in the device.

#### ' IN/OUT PORT

This indicates the number of input and output ports for the cards installed in slots 1 to 4. If no card is installed, "--" will appear.

#### • [LOCK] indicators

This indicates the word clock status for slots 1 to 4. If the word clock is operating normally, this indicator will be green.

| Unlit                                | No card is installed in the slot, or an unsupported card is installed.   |
|--------------------------------------|--|
| Green<br>(lit)<br>LOCK               | This indicates that a clock synchronized with the clock source selected by the WORD CLOCK select key is being input from the card.   |
| LUCK                                 | If an external device is connected to the corresponding slot,<br>input/output is occurring correctly between that device and the<br>RSio64-D.  |
|                                      | If the sampling frequency is close, this status is shown in some cases even if not synchronized.   |
| Green<br>(flashing)<br>SYNC<br>ERROR | A valid clock is being input from the card, but is not<br>synchronized with the clock source selected by the WORD<br>CLOCK select key. If an external device is connected to the<br>corresponding slot, input/output is not occurring correctly<br>between that device and the RSio64-D. Input/output will occur<br>correctly if SRC is turned ON. |

| Red (lit)<br>UNLOCK                         | A valid clock is not being input from the card. If an external device is connected to the corresponding slot, input/output   |
|---|--|
|   | cannot occur correctly between that device and the RSio64-D.   |
| Red<br>(flashing)<br>WRONG<br>WORD<br>CLOCK | The frequency of the clock source selected by the WORD CLOCK select key is outside the range of operating frequencies of the card installed in the slot. Either set the frequency of the clock source to be within the operating range of the card, or turn SRC on. In the case of an analog card, turning SRC on makes the card operate at the RSio64-D's internal frequency of 48 kHz. |

### • [SRC] indicators

These indicate the SRC (Sampling Rate Converter) status of slots 1 to 4.

| Unlit       | SRC is off.  |
|-------------|--|
| Green (lit) | SRC is on, and the clock selected by the SRC WCLK DIP switch is being input correctly.   |
| Red (lit)   | SRC is on, but an appropriate clock is not being input. It may be<br>that the clock selected by the SRC WCLK DIP switch is not being<br>input, or is outside the operating range. Either turn SRC off, or<br>change the setting of the DIP switch. |

#### ' [SRC] button

For each slot, these turn SRC on/off for the slot's input as well as output.

#### ' WORD CLOCK source

Indicates the SRC word clock source status for slots 1 to 4 the RSio64-D.

| [SLOT]    | When using the word clock signal being input from the card in the slot.                          |
|-----------|--|
| [WCLK IN] | When using the word clock signal being input from the WORD CLOCK IN connector on the rear panel. |
| [CARD]    | When the SRC function in the card is on.   |
| []        | If there is no card in the slot.   |

### \* [WORD CLOCK] select button

Selects the word clock source of the RSio64-D.

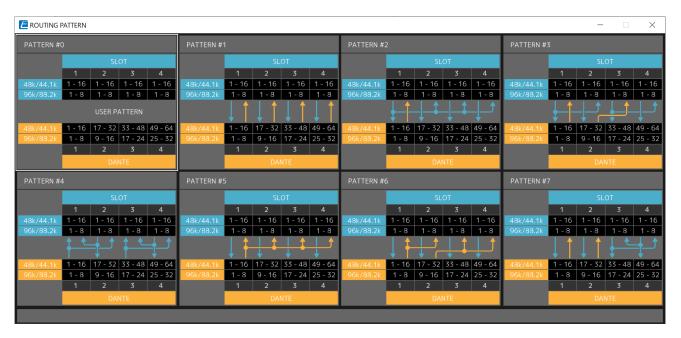
| WCLK IN   | This is lit if the RSio64-D is using the word clock that is being<br>input from the rear panel [WORD CLOCK IN] connector. This<br>flashes if there is no valid word clock input*1.   |
|-----------|--|
| SLOT1 1/2 | This is lit if the channel 1/2 word clock of slot 1 is being used.<br>This flashes if there is no valid word clock input*1. The channel<br>7/8 word clock is used when using the MY8-AEB*2. If the SRC<br>on the MY8-AE96S is in use, you will be unable to use the input<br>signal as word clock. |
| DANTE     | This is lit if the Dante network's word clock*3 is being used. (If<br>no valid Dante signal is being input, the clock generated by the<br>internal Dante module is used.)  |

\*1 When this is flashing, the unit uses the Dante word clock to operate and perform input/output.

\*2 In order to use MY8-AEB, set AE ⇔ RSVD switch to the RSVD position.
\*3 If you want to change the frequency of the Dante word clock, use Dante Controller.

#### [CURRENT PATTERN] button

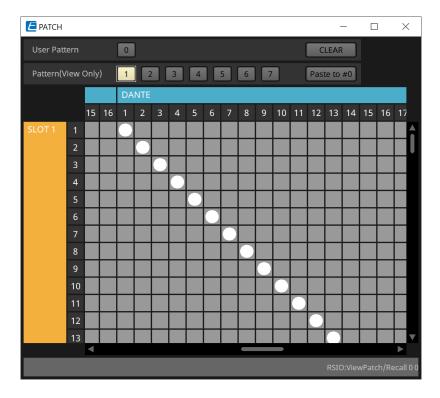
Displays the currently selected routing pattern on the RSio64-D. When you click on the button, the routing pattern details are displayed.



#### · [Patch] button

When you click the button, the edit window opens.

Edits the Patch to be applied when 0 (User Pattern) is selected on the rotary switch used to select the Routing Pattern on the main unit.



#### ' [User PATTERN] / [Pattern(View Only)] button

When User Pattern is selected, the patch can be edited.

When Pattern (View Only) is selected, seven types of templates are called. They cannot be edited. When you click the [Paste to #0] button while Pattern (View Only) is selected, the template is copied to

#### User Pattern.

When editing, please use the template as a basis.

#### • [CLEAR] button

When you click this while User Pattern is selected, all of the patches will be cleared.

# 23. Powered Speakers DZR/DXS-XLF Series

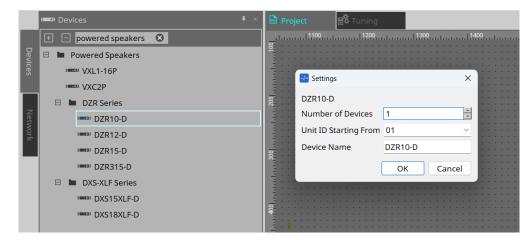
23.1 Overview
23.2 "Project" Sheet
23.3 Tuning Sheet
23.4 Device Sheet Screen Configuration
23.5 Presets Area
23.6 Context Menu
23.7 Alert List
23.8 Component Editor

## 23.1. Overview

The DZR/DXS-XLF series is Yamaha's flagship powered speaker, which delivers best-in-class sound pressure levels and sound quality through high-power amplifiers and 96 kHz signal processing. Only Dante models are supported.

## 23.2. "Project" Sheet

This is the sheet on which devices are placed. When placing devices, the Settings screen shown below is displayed.



#### • Number of Devices

Select the number of devices to be placed on the sheet.

#### <sup>•</sup> Unit ID Starting From

The starting number for the device Unit IDs can be selected.

#### Device Name

The device name can be displayed and edited.

### 23.2.1. Properties Area

This area allows you to display and edit device information. The following section explains "Input Source Redundancy". For other settings, refer to the DZR/DXS-XLF Series reference manual.

| ↓ Properties            | ₹×            |
|-------------------------|---------------|
| Ð 🗉                     | 🐻 Save Style  |
| Property                | Value         |
| Device                  |               |
| Utilities               |               |
| Input Source Redundancy |               |
| Auto Return             | On            |
| Dante1 Backup Source    | No Redundancy |
| Dante2 Backup Source    | No Redundancy |
| Display                 |               |
|                         |               |

#### **Input Source Redundancy**

If the audio on the primary line (Dante) is cut off due to a problem such as an input device failure, the line will automatically switch to the backup line (Analog). When the input audio returns, the original line is automatically restored.



Input Source Redundancy is a function that is independent from the Dante network redundancy function.

Dante INs (1 to 2) are used as the primary lines, and Analog Ins (1 to 2) are used as the backup lines. The channel combinations are fixed.

| PRIMARY SOURCE | BACKUP SOURCE |
|----------------|---------------|
| Dante IN 1     | Analog In 1   |
| Dante IN 2     | Analog In 2   |

#### • Auto Return

When this option is turned on, the input line will automatically switch back to the primary line when the primary line is restored.

When this option is off, you can manually switch back the line by executing MANUAL RETURN on the main unit or by pressing the [Return] button in ProVisionaire Design.

#### Dante Backup Source

Select a Backup Source (Analog 1, 2) to enable the Input Source Redundancy function. The channel combinations are fixed.

### 23.3. Tuning Sheet

The Tuning sheet allows you to set parameters (such as EQ and Delay) for grouped channels collectively. For details about the sheet, refer to Tuning Sheet.



The maximum number of units that can be registered per group is 32 for the DZR series and 16 for the DXS-XLF series.

### 23.3.1. Link Group Editor

This is the parameter setting screen for link groups. To display the editor, display the Tuning sheet and doubleclick the link group to which the DZR series channels are registered, or right-click the group and select [Open Link Group Editor].

| E Group       |                                       |   |            | – 🗆 X               |
|---------------|---------------------------------------|---|------------|---------------------|
| EQ / Level    |                                       |   |            | SOLO                |
| Band Sha      | ring 1 2 3 4                          | 5 6   |            |                     |
| 20 50<br>+18  | 100 200                               | 500   | 1k 2k      | 5k 10k 20k          |
| +12           |                                       |   |            |                     |
| +6            |                                       |   |            |                     |
| 0             | 1 2                                   | 3   | 4          | <u> </u>            |
| -6            |                                       |   |            |                     |
| -12           |                                       |   |            |                     |
| Band Se       |                                       | 5 6   |            | FLAT                |
| EQ            | O O O O O O O O O O O O O O O O O O O | O O<br>DXS-XLF-D                              | 01 DZR10-D | LINK MAIN           |
| BYPASS        | Band1                                 | LPF<br>Freq.[Hz]                              | Main Level |                     |
| Type<br>PEQ 🔽 | Freq.[Hz]                             | 120   | 1          |                     |
|               | 60.0                                  | DZR-D   |            |                     |
| Q V           | Gain[dB]                              | HPF<br>Freq.[Hz]                              |            |                     |
| 2.0           | 0.0                                   | <u>,                                     </u> | 0.00       | 0.00                |
|               |                                       |   |            | AMP:Ch/Volume 0 0 ෮ |

#### ' [SOLO] button

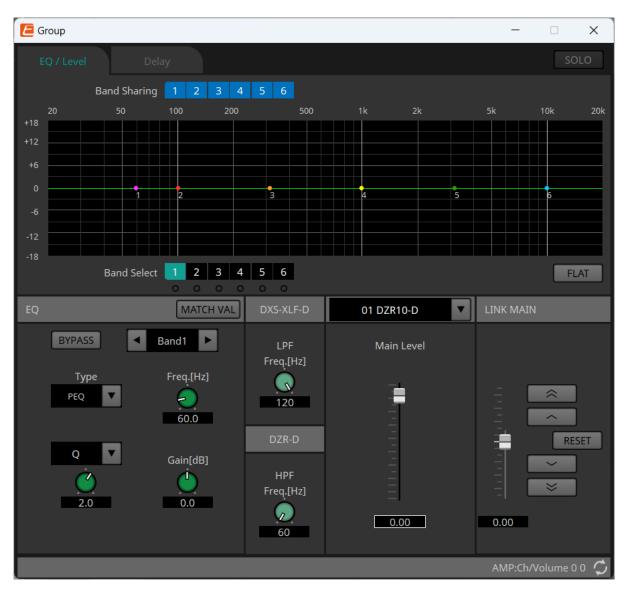
This button is enabled by turning on the [Solo Mode] button on the toolbar when in the online state. When this button is turned on, audio will be output only from the channels registered in this link group, which is useful for final adjustments to EQ, volume, and Delay.

When audio is muted by using the SOLO function, [MUTE] of the Speaker Out component is turned on.

## 23.3.2. [EQ/Level] Tab

This tab allows you to change the EQ, HPF, and LPF of the devices registered in a group at once to the same values.

It also allows you to change the Main Level of the devices registered in the group at once by a relative value.



#### ' [Band Sharing] button

If a certain device is registered in multiple groups, click these buttons to select the band occupied by each group. Occupied bands are shown in blue. Bands whose numbers are not white are occupied by other groups and cannot be selected or operated. Releasing an occupation is possible only in the link group editor that occupies the band.

#### • [MATCH VAL] button

This button copies the EQ settings of the occupied bands in the link group editor to the registered devices.

#### • Main Level

This is the actual Main Level value of the selected device.

#### LINK MAIN

Adjust the Level of the devices in a link group by a relative value. The movable range is displayed as a vertical gray line. Right-click a fader and select [Match Values] to set the Level of the members of a link group to the same value.

### 23.3.3. [Delay] Tab

This tab allows you to change the Delay of the devices registered in a group at once by a relative value.

| E Group    |           |              | _ |     | ×          |
|------------|-----------|--------------|---|-----|------------|
| EQ / Level |           |              |   | SOL | _0         |
|            |           |              |   |     |            |
|            |           |              |   |     |            |
|            |           |              |   |     |            |
|            |           |              |   |     |            |
|            |           |              |   |     |            |
|            |           |              |   |     |            |
|            |           |              |   |     |            |
|            |           |              |   |     |            |
| DELAY 0    | 1 DZR10-D | LINK MAIN    |   |     |            |
|            |           |              |   |     |            |
| Ξ          |           |              |   |     |            |
|            |           |              |   |     |            |
| Ē          |           | RESET        |   |     |            |
| Ē          |           |              |   |     |            |
|            |           |              |   |     |            |
| 0.0        |           | 0.0 [ms]     |   |     |            |
| 0.0        | 00        | 0.00 meter V |   |     |            |
|            |           |              |   |     | $\Diamond$ |

#### ' DELAY

This is the actual Delay value of the selected device.

#### · LINK MAIN

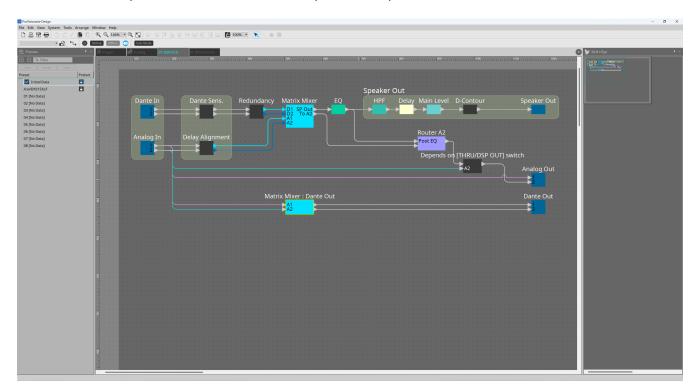
Adjust the Delay of the devices in a link group by a relative value. The movable range is displayed as a vertical gray line. Right-click a fader and select [Match Values] to set the Delay of the members of a link group to the same value.

For an explanation of the other buttons, refer to Tuning Sheet of the PC series.

## 23.4. Device Sheet Screen Configuration

When you open the device sheet for the DZR/DXS-XLF series, the Presets area and the Bird's Eye view area are displayed.

Double-click a component on the device sheet to open the component editor.



#### Presets Area

Multiple parameter settings can be stored as a preset.

#### • Bird's Eye view

Displays a full view of the sheet.

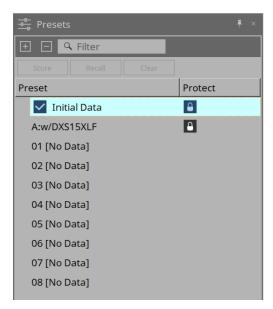
### 23.5. Presets Area

In this area, you can store multiple parameter settings as a preset. By recalling the preset, the parameters stored in the preset can be deployed. The parameters of the currently deployed preset are called the current parameters.

To simultaneously recall a preset on multiple devices, click the button and configure the settings in the Linked Presets Manager dialog box.



Editing operations, such as storing, recalling, and clearing presets, are only possible when ProVisionaire Design is connected to the device.



• [Store] button

This button is for storing presets.

• [Recall] button

This button is for recalling presets.

- [Clear] button This button is for clearing presets.
- Preset list Displays the list of presets.
  - Initial Data

Restores the initial settings. This is a call-only preset.

• Factory preset

When using the DZR series and DXS-XLF series in combination, you can optimize the crossover frequencies, levels, and delay values by calling the presets named after each model. This is a call-only preset.

• User preset list

Up to eight presets can be saved. You can call, save, erase, edit titles, and set protection.

' Protect

When you click the lock icon, the image changes to , and the preset becomes protected from being edited or cleared.

If you click the icon while the preset is protected, the preset becomes unprotected. Call-only presets are always protected.

## 23.6. Context Menu

The following describes the contents of the context menus that are displayed when you right-click each area.

### 23.6.1. Tuning Sheet

When you right-click on the Tuning sheet, the following context menu appears.

| Menu item                  | Details   |
|----------------------------|---|
| [Select All]               | [All Link Groups]<br>Selects all link groups on the sheet.                  |
| [Close All Editor Windows] | Closes all editors.   |
| [Snap to Grid]             | Put a check by this item to place objects in alignment with the sheet grid. |

### 23.6.2. Link Group on Tuning Sheet

When you right-click on a link group, the following context menu appears. Some menu items may not be available depending on the connected device.

| Menu item                | Details   |
|--------------------------|---|
| [Open Link Group Editor] | Opens the link group editor. For details about the link group editor, refer to each device.   |
| [Open Device Sheet]      | Opens the device sheet for the selected device.   |
| [Identify]               | Makes the device display flash for a few seconds.   |
| [Delete]                 | If a channel is selected, the channel is deleted from the link group.<br>If a device is selected, the device is deleted from the link group.<br>If a link group is selected, the link group is deleted. |
| [Bring to Front]         | Moves the link group to the frontmost position.   |
| [Send to Back]           | Moves the link group to the backmost position.  |

### 23.6.3. Project Devices Area

When you right-click a device or channel in the Project Devices area, the following context menu appears.

| Menu item           | Details  |
|---------------------|--|
| [Find]              | Shifts the focus to the link group where the device or channel is registered.  |
| [Add to Link Group] | Registers the device channel to the link group. If a speaker is connected to the device, the channel of the connected device will be registered. |

### 23.6.4. Link Groups Area

When you right-click an object in the Link Groups area, the following context menu appears.

| Menu item | Details   |
|-----------|---|
| [Find]    | When you have right-clicked on a device, the device in the link group<br>becomes the focus, and the link group component editor opens.<br>When you have right-clicked on a channel or link group, the channel in the<br>link group or the link group becomes the focus, and the link group editor<br>opens. |
| [Delete]  | When you have right-clicked on a channel, the channel is deleted from the<br>link group.<br>When you have right-clicked on a device, the device is deleted from the<br>link group.<br>When you have right-clicked on a link group, the link group is deleted.   |

### 23.6.5. Device Sheet

When you right-click on the device sheet in a place without an object, the following context menu appears.

| Menu item                  | Details             |
|----------------------------|---------------------|
| [Close All Editor Windows] | Closes all editors. |

### 23.6.6. Components/Component Editor in the Device Sheet

When you right-click on a component or a place other than the controls of a component, the following context menu appears (with some exceptions).

| Menu item               | Details   |
|-------------------------|---|
| [Open Component Editor] | Opens the component editor.   |
| [Сору]                  | Copies the parameter settings of the component editor.                  |
| [Paste Parameters]      | Applies the parameter settings of the component editor that was copied. |

## 23.7. Alert List

The alerts that may occur on the DZR/DXS-XLF series, their details, and countermeasures are listed below. A one-time alert is displayed when the event occurs. A continuous alert is displayed when the event begins and when it ends.

If a problem persists, contact the Yamaha repair service center listed at the end of the instruction manual for your device.

| No. | Severity | One-time<br>/Continuo<br>us | Message                 | Details   | Countermeasures   |
|-----|----------|-----------------------------|-------------------------|---|---|
| 01  | Fault    | Continuo<br>us              | SYSTEM ERROR            | The product is not starting properly.   | Turn off the power, wait at least 6 seconds, and turn   |
| 03  | Fault    | Continuo<br>us              |                         |   | on the power again. If the<br>problem persists, a factory<br>reset may resolve it. If the   |
| 04  | Fault    | Continuo<br>us              |                         |   | problem still persists,<br>contact the Yamaha repair<br>service center.   |
| 05  | Fault    | Continuo<br>us              |                         |   |   |
| 10  | Fault    | One-time                    |                         |   |   |
| 11  | Fault    | One-time                    |                         |   |   |
| 12  | Error    | One-time                    | CURRENT MEMORY<br>ERROR |   |   |
| 13  | Error    | One-time                    | PRESET MEMORY ERROR     |   |   |
| 14  | Fault    | One-time                    | SYSTEM ERROR            |   |   |
| 15  | Error    | One-time                    |                         |   |   |
| 16  | Error    | One-time                    | SYSTEM ERROR (DANTE)    |   | This error may occur when<br>the device firmware<br>version and the Dante<br>firmware version are not<br>compatible.<br>Update both the device<br>firmware and the Dante<br>firmware according to the<br>compatibility table.<br>If the problem persists, try<br>the countermeasures for<br>numbers 01 to 15. |
| 17  | Error    | One-time                    | DUPLICATE IP ADDRESS    | The IP address is duplicated.   | Set the IP addresses so<br>that there are no<br>duplicates.   |
| 20  | Error    | Continuo<br>us              | OUTPUT CURRENT OVER     | The circuit is being<br>protected from excessive<br>amplifier output current. | The product may be faulty.<br>Contact the Yamaha repair<br>service center.  |

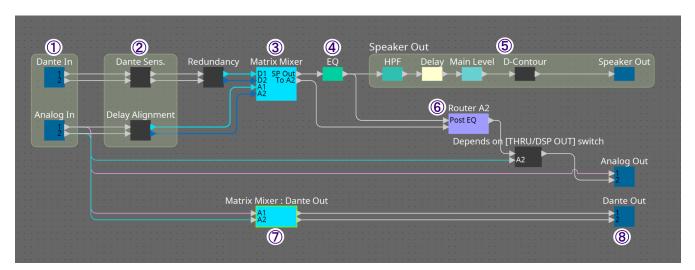
| No. | Severity | One-time<br>/Continuo<br>us | Message                          | Details  | Countermeasures   |
|-----|----------|-----------------------------|----------------------------------|--|---|
| 23  | Warning  | Continuo<br>us              | AMP TEMP TOO HIGH<br>step2[*]    | The amplifier became too<br>hot, so the output limiter<br>was applied. (*: HF or LF)                     | Use the device with a<br>lower output level or wait a<br>while until the heat<br>subsides. Also, avoid<br>direct sunlight to the rear<br>panel, and ensure good<br>ventilation around the rear<br>panel.        |
| 25  | Error    | Continuo<br>us              | AMP TEMP TOO HIGH<br>step3[*]    | The amplifier became too<br>hot, so the output was<br>muted. (*: HF or LF)                               | Wait a while until the heat<br>subsides. Also, avoid<br>direct sunlight to the rear<br>panel, and ensure good<br>ventilation around the rear<br>panel.  |
| 27  | Warning  | Continuo<br>us              | POWER SUPPLY TEMP<br>TOO HIGH[*] | The power supply section<br>became abnormally hot, so<br>the limiter was applied. (*:<br>HF or LF)       | Continued use may<br>damage to the power<br>supply section. Use the<br>device with a lower output<br>level.   |
| 34  | Warning  | Continuo<br>us              | AMP PROTECT (LIMIT)[*]           | An abnormality occurred in<br>the amplifier, so the output<br>limiter was applied. (*: HF<br>or LF)      | subsides. If the issue does<br>not improve even after the<br>heat has subsided, the   |
| 35  | Error    | Continuo<br>us              | HF/OVER TEMP PROTECT<br>(DOWN)   | An abnormality occurred in the amplifier, so the output was muted.                                       | product may be broken.<br>Contact the Yamaha repair<br>service center.  |
| 42  | Warning  | Continuo<br>us              | INPUT D[*]<br>CHANGED TO A [*]   | The Input Source<br>Redundancy function<br>switched the audio from<br>Dante to Analog. (*: CH<br>number) | Check whether the main<br>audio line (Dante) is<br>working properly.<br>(Note that if the Auto<br>Return function is turned<br>on, the line may suddenly<br>switch when the<br>connection is<br>reestablished.) |
| 43  | Error    | Continuo<br>us              | INPUT D[*] NOT<br>CONNECTED      | A Dante input<br>disconnection was<br>detected. (*: CH number)   | Check whether the Dante<br>line is working properly.  |

## 23.8. Component Editor

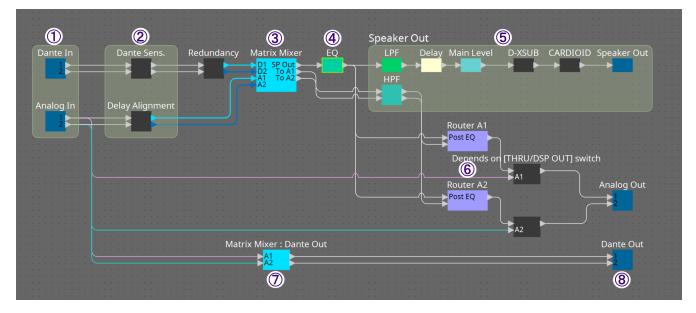
Double-click a component on the device sheet to open the component editor.

This section describes the DZR series/DXS-XLF series component editors and the dialog boxes and windows related to components. For details about other components, refer to "ProVisionaire Design Component Guide".

#### DZR series



#### DXS-XLF series



| No. | Component name                  | Details   | Link                                   |
|-----|---------------------------------|---|--|
| 1   | Input                           | Adjusts the input level and displays/cancels the redundancy status. | Input component                        |
| 2   | Dante Sens./<br>Delay Alignment | Sets Dante Sensitivity and Delay<br>Alignment.                      | Dante Sens./Delay Alignment component  |
| 3   | Matrix Mixer                    | Sets the matrix.  |  |
| 4   | EQ                              | Sets the 6-band EQ.   | "ProVisionaire Design Component Guide" |
| 5   | Speaker Out<br>(DZR series)     | Sets items from HPF to D-<br>Contour.                               | Speaker Out component                  |

| No. | Component name                  | Details  | Link                  |
|-----|---------------------------------|--|-----------------------|
| 5   | Speaker Out<br>(DXS-XLF series) | Sets items from LPF to D-XSUB and CARDIOID.              | Speaker Out component |
| 6   | Router                          | Turns EQ on or off and adjusts the level for Analog Out. |                       |
| 7   | Matrix Mixer : Dante Out        | Sets the Dante Out matrix.                               |                       |
| 8   | Dante Out                       | Adjusts the Dante output level.                          |                       |

### 23.8.1. Input Component Editor

| E Input                       |  |  | - 0  |   |
|-------------------------------|--|--|--|---|
|                               | D1   | D2   | A1   | A2  |
|                               | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 6<br>9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 | - 0<br>- 3<br>- 9<br>- 12<br>- 15<br>- 18<br>- 24<br>- 30<br>- 40<br>- 50<br>- 60 |
|                               | 0.00   | 0.00   |  |   |
| Backup Status                 | 0  | 0  |  |   |
| Return Availability<br>Return | 0  | 0  |  |   |
|                               |  | DZR:Da   | nteInput/Le  | vel 0 0 🗘   |

You can use the faders to adjust the Dante input levels.

#### Backup Status

Lights up when the line has switched from the primary line (Dante) to the backup line (Analog).

#### • Return Availability

Lights up when the primary line has been restored and the input line can be switched back to the primary line.

(Only when Auto Return = Off)

#### • [Return] button

When the primary line is restored, press this button to manually switch the input line back to the primary line.

(Only when Auto Return = Off)



When Auto Return is turned on, the line will be automatically restored. The Auto Return setting can be changed in the Properties area of the Project sheet.

### 23.8.2. Dante Sens./Delay Alignment Component Editor



#### Dante Sensitivity

This component sets the input sensitivity of the digital signal from Dante when the signal is input to the amplifier section.

The input sensitivity value that you set becomes the clipping level of the speaker. Select from -14dBFS (default) or -6dBFS. For fine adjustments, use the Input component D1 or D2.



If you are using an analog line as a backup for the Dante line, set the sensitivity to "-14dBFS". The volume will match when the line is switched.

Setting the sensitivity to "-14dBFS" will increase the input from Dante by 8dB, so if you are only using a Dante line, set it to "-6dBFS". Setting the sensitivity to "-6dBFS" will match the output level of the digital mixer with the input level of the DZR.

#### Delay Alignment

Corrects the time difference between analog input and Dante input.

If you are using an analog line as a backup for the Dante line, set this option to "ON". When you set this option to "ON", the timing of the analog input will match the Dante input audio when the line is switched.



The appropriate delay value will vary depending on the Dante settings and the combination of connected devices.

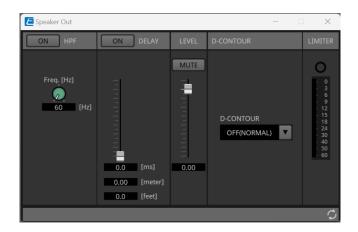
For more information, refer to the DZR/DXS XLF Series reference manual.



The delay set here is applied to the analog input. Therefore, if you use a device with only an analog line, set this option to "OFF".

### 23.8.3. Speaker Out Component Editor

#### DZR series



#### **D-CONTOUR**

Set the frequency characteristic best suited for the purpose of use.

• OFF (NORMAL)

Turns off D-CONTOUR. This is a general-purpose frequency characteristic setting.

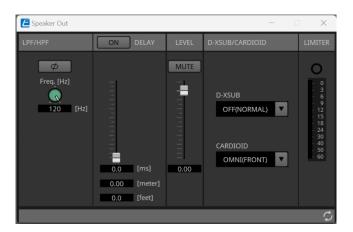
• FOH/MAIN

This setting boosts the treble and bass ranges to create frequency characteristics suitable for the main speakers. The amount of boost is automatically adjusted according to the volume to achieve a well-balanced sound.

#### • MONITOR

This setting ensures clarity, which is important for floor monitors, and suppresses the bass range that tends to become boomy when a speaker is placed on the floor. The latency is reduced and the phase characteristics change.

DXS-XLF series



#### 'D-XSUB

Set the frequency characteristic best suited for the purpose of use and music genre.

• OFF (NORMAL)

Turns off D-XSUB. This is a general-purpose frequency characteristic setting.

• BOOST

This setting boosts the frequency range to emphasize a punchy feel.

• EXTenDed LF (extended LF)

This setting extends the playback frequency to lower bass ranges.

#### · CARDIOID

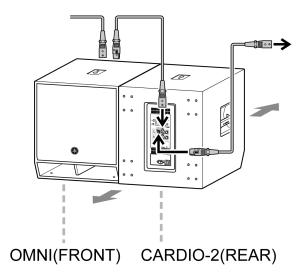
This component sets the cardioid mode. Change the setting according to the orientation and number of speakers.

#### • OMNI(FRONT)

When cardioid mode is not used

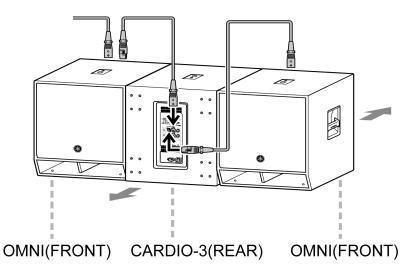
#### • CARDIO-2(REAR)

Rear-facing speaker, when two speakers are used side by side



#### · CARDIO-3(REAR)

Center, rear-facing speaker, when three speakers are used side by side



# 24. Powered Speakers VXL1-16P/VXC2P

24.1 Overview

```
24.2 "Project" sheet
```

```
24.3 Device sheet screen configuration
```

```
24.4 Component editors
```

## 24.1. Overview

This is a Dante powered speaker using a PoE power supply.

## 24.2. "Project" sheet

This is the sheet on which devices are placed.

When placing devices, the Settings screen shown below will be displayed.

|         | Devices              | <b>₽</b> × | 🗎 Pro | oject          | 🗗 Tuning        |          |          |  |
|---------|----------------------|------------|-------|----------------|-----------------|----------|----------|--|
|         | 🛨 🖃 🔍 Filter         |            | ىلىسى |                |                 |          |          |  |
| Dev     | :===== XMV8280-D     | ^          |       |                |                 |          |          |  |
| Devices | 🖯 🖿 I/O Interfaces   |            | - T   |                |                 |          |          |  |
|         | 🖯 🖿 R Series (AD/DA) |            | 0     |                |                 |          |          |  |
|         | Rio3224-D2           |            |       | : : : : 🔁 Sett | tings           |          | ×        |  |
| Net     | Rio1608-D2           |            |       | VXL1-          | 16P             |          |          |  |
| Network | 🗉 🖿 T Series         |            | 10    | Numb           | ber of Devices  | 1        | <b>•</b> |  |
|         | Tio1608-D            |            |       | Unit I         | D Starting From | 01       | ~        |  |
|         | Tio1608-D2           |            |       | Devic          | e Name          | VXL1-16P |          |  |
|         | 🖯 🖿 R Series (SLOT)  |            | 20    |                |                 | ОК       | Cancel   |  |
|         | RSio64-D             |            |       |                |                 |          |          |  |
|         | 😑 🖿 Powered Speakers |            | 0     |                |                 |          |          |  |
|         | WXL1-16P             |            | 30    |                |                 |          |          |  |

#### • Number of Devices

Selects the number of VXL1-16P/VXC2P units placed on the sheet.

#### ' Unit ID Starting From

You can select the starting number for the device Unit IDs.



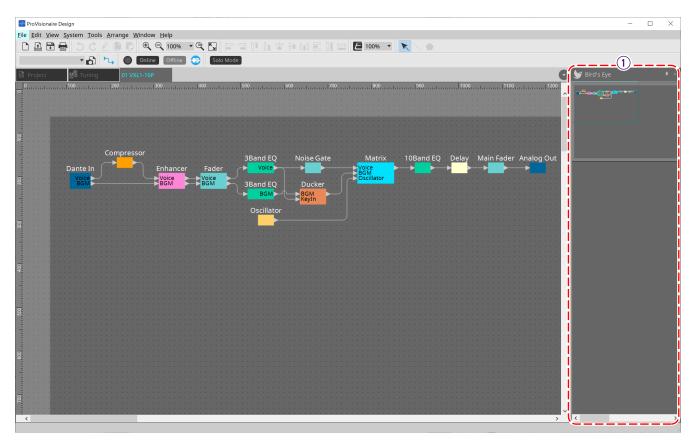
When the dipswitch on the device's main unit is set to "RESERVED," the device's UNIT ID can be set to a value other than 101 to 115 (hexadecimal: 65 to 73) using the "Network" area > Unit ID button on the Project sheet.

#### Device Name

The device name can be displayed and edited.

## 24.3. Device sheet screen configuration

When the XL1-16P/VXC2P device sheet is opened, the device sheet and the "Bird's Eye view" will be displayed. When you double-click a component in the device sheet, the component editor opens.



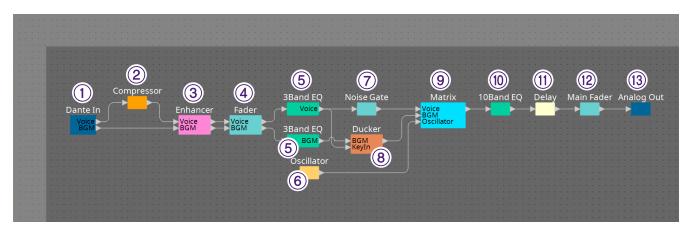
① **Bird's Eye view** This shows an overview of the sheet.

## 24.4. Component editors

The component editor allows you to set and adjust each component of the selected device.

When you double-click a component in the device sheet, the component editor opens.

This section describes the VXL1-16P/VXC2P component editor, and the dialogs and windows that are closely associated with the components. For details about other components, refer to the "ProVisionaire Design Component Guide".



| Numbe<br>r | Component name | Details   | Link                                   |
|------------|----------------|---|--|
| 1          | Dante In       | Displays the audio signal level for<br>the 2 channels input from the<br>[Dante] terminal and adjusts the<br>gain.   |  |
| 2          | Compressor     | Adjusts the compressor that compresses dynamic range.   | "ProVisionaire Design Component Guide" |
| 3          | Enhancer       | Sets whether the enhancer is<br>enabled or disabled. This is a<br>process that mixes in sounds<br>beyond the low-frequency and<br>high-frequency fundamental<br>tones that are not output from<br>the speakers to make it sound as<br>if low-frequency and high-<br>frequency sounds are being<br>output. |  |
| 4          | Fader          | Adjusts the signal level of the input channel.  |  |
| 5          | 3 Band EQ      | Adjusts the 3-band equalizer of the input channel.  | "ProVisionaire Design Component Guide" |
| 6          | Oscillator     | This outputs a sine wave used to<br>check the operation of the<br>connected speakers and the<br>acoustic characteristics of the<br>venue.   |  |
| 0          | Noise Gate     | Sets the noise gate.  |  |
| 8          | Ducker w/NG    | Sets the ducker and noise gate.   | "ProVisionaire Design Component Guide" |

| Numbe<br>r | Component name | Details   | Link                                   |
|------------|----------------|---|--|
| 9          | Matrix         | Assigns input channels and oscillator outputs to output channels. | "ProVisionaire Design Component Guide" |
| 10         | 10 Band EQ     | Adjusts the output channel's 10-<br>band EQ.                      | "ProVisionaire Design Component Guide" |
| 1          | Delay          | Sets the output channel delay.                                    | "ProVisionaire Design Component Guide" |
| 12         | Main Fader     | Adjusts the output level.   |  |
| 13         | Analog Out     | Outputs the analog output signal to the amplifier component.      |  |

# 25. Microphones PGM1

- 25.1 Overview
- 25.2 "Project" sheet
- 25.3 "Properties" area

### 25.1. Overview

This is a paging microphone for use with the MRX7-D/MTX5-D. A paging system can be created using the PGM1.



Because the PGM1 settings are stored by the MRX7-D/MTX5-D, it is normally not necessary for ProVisionaire Design to discover the PGM1.

When using ProVisionaire Design to change the IP address of the PGM1 or to perform a firmware update, please install Bonjour Print Service to allow ProVionaire Design to discover the PGM1.

### 25.2. "Project" sheet

This is the sheet on which devices are placed.

When placing devices, the Settings screen shown below will be displayed.

|         | Devices              |   | Project      | B <sup>்</sup> Tuning       |                   |  |
|---------|----------------------|---|--------------|-----------------------------|-------------------|--|
|         | 🛨 🖃 🔍 Filter         |   | <u>i</u>     |                             | 500               |  |
| Devices | Rio1608-D2           | ^ | -            |                             |                   |  |
| ices    | 🗉 🖿 T Series         |   |              | Settings                    | ×                 |  |
|         | 101608-D             |   |              | Settings                    | ~                 |  |
| Net     | Tio1608-D2           |   | g            | PGM1                        |                   |  |
|         | 🗆 🖿 R Series (SLOT)  |   | <b>2</b>     | Number of Devices           |                   |  |
| Network | RSio64-D             |   | E 111 111111 | Unit ID Starting From       |                   |  |
|         | 😑 🖿 Powered Speakers |   | 8            |                             | PGM1              |  |
|         | WXL1-16P             |   | 2            | MTX5-DまたはMRX7-Dの<br>してください。 | PropetiesでPGM1を指定 |  |
|         | 🖻 🖿 Microphones      |   |              | Г<br>Г                      | OK Canad          |  |
|         | PGM1                 |   | 8            | L                           | OK Cancel         |  |
|         | RM-CG                |   |              |                             |                   |  |
|         | RM-TT                |   |              |                             |                   |  |

#### ' Number of Devices

Selects the number of PGM1 units placed on the sheet.

#### <sup>•</sup> Unit ID Starting From

You can select the starting number for the device Unit IDs.

• Device Name

The device name can be displayed and edited.

After adding the PGM1 to the project, select the PGM1 to be used by each device. The connection between the equipment and PGM1 is made from the "Properties" area > PGM1 on the Project sheet.

The PGM1 settings should be specified using the editor of the paging component on each device sheet. For the MTX5-D, this is launched from "Paging" in the Zone component displayed in the device sheet.

| 🔁 Zone |        |   | _   |  | $\times$                        |
|--------|--------|---|---|--|---------------------------------|
| Zone   | Paging | 2nd Priority Ducker<br>2nd Priority Ducker<br>2nd Priority Ducker<br>2nd Priority Ducker<br>2nd Priority Ducker<br>2nd Priority Ducker<br>2nd Priority Ducker | 1st Priority Ducker         1st Priority Ducker | ANC<br>ANC<br>ANC<br>ANC<br>ANC<br>ANC | ×<br>]-<br>]-<br>]-<br>]-<br>]- |
| 9-16   |        |   |   |  | _                               |
|        |        |   | MTX:mem_512/500   | 12/0/0/0/0                             | /0 🗘                            |

For system examples, refer to the "MTX Setup Manual."

## 25.3. "Properties" area

This area allows you to display and edit device information.

| ➔ Properties   | ₹ ×               |
|----------------|-------------------|
| Ð 🗄            | 🐻 Save Style      |
| Property       | Value             |
| Device         |                   |
| Model          | PGM1              |
| Device Name    | PGM1              |
| Unit ID        | 01                |
| Utilities      |                   |
| Unlatch Enable | OFF               |
| Display        |                   |
| 🗆 Font         | A [Noto Sans, 12] |
| Name           | Noto Sans         |
| Size           | 12                |
| Bold           | False             |
| Italic         | False             |
| Strikeout      | False             |
| Underline      | False             |
| Font Color     | 255 255 255 255   |

• Utilities

• Unlatch Enable

When this is ON, the PTT button is used to both latch and unlatch.

# 26. Microphones RM-CG

26.1 Overview
26.2 "Project" sheet
26.3 [System] menu
26.4 "Network" area
26.5 "Properties" area
26.6 Device sheet screen configuration
26.7 Tool buttons
26.8 Component editors

## 26.1. Overview

This will be a fixed configuration ceiling microphone.



To control "RM-CG," you must set an initial password for the device and log in.

## 26.2. "Project" sheet

This is the sheet on which devices are placed.

When placing devices, the Settings screen shown below will be displayed.

|         | Devices              | ₽× | Project                          | 🛯 🛣 Tuning            |            |     |
|---------|----------------------|----|----------------------------------|-----------------------|------------|-----|
|         | 🕂 🖃 🔍 Filter         |    | _ <u>i</u> uuluuuul <b>100</b> . |                       | 300        | 500 |
| Dev     | Rio1608-D2           | ^  |                                  |                       |            |     |
| Devices | 🖻 🖿 T Series         |    |                                  |                       |            |     |
|         | 101608-D             |    |                                  | + Settings            | ×          |     |
|         | 101608-D2            |    | -                                | RM-CG                 |            |     |
| Net     | 🖯 🖿 R Series (SLOT)  |    | 2                                | Number of Devices     | 1          |     |
| Network | RSio64-D             |    |                                  | Unit ID Starting From | 01 ~       |     |
|         | 🗆 🖿 Powered Speakers |    | 8                                | Device Name           | RM-CG      |     |
|         | EXAMPLE VXL1-16P     |    | 2                                |                       | OK Cancel  |     |
|         | 🗉 🖿 Microphones      |    |                                  |                       | OK Calleel |     |
|         | PGM1                 |    | 0                                |                       |            |     |
|         | RM-CG                |    | m.                               |                       |            |     |
|         | EMAN RM-TT           |    |                                  |                       |            |     |

#### \* Number of Devices

Selects the number of RM-CG units placed on the sheet.

#### <sup>•</sup> Unit ID Starting From

You can select the starting number for the device Unit IDs.

Device Name

The device name can be displayed and edited.

## 26.3. [System] menu

Settings are made in RM Series Settings, which is displayed from the [System] menu on the menu bar.

| 🕂 Pr         | roVisi           | onaire D | esign                             |                           |                |              |           |                   |       |          |          |              |      |     |    |             |
|--------------|------------------|----------|-----------------------------------|---------------------------|----------------|--------------|-----------|-------------------|-------|----------|----------|--------------|------|-----|----|-------------|
| <u>F</u> ile | <u>E</u> dit     | ⊻iew     | System Ic                         | ools <u>A</u> rrange      | <u>W</u> indow | <u>H</u> elp |           |                   |       |          |          |              |      |     |    |             |
|              | <b>F</b>         |          | Network<br>IP Setting<br>Match De |                           | ddress         | 100% Offline |           | Solo Mo           | _     | <u>]</u> | <u> </u> | -∰∎ []       |      |     |    | <b>E</b> 10 |
|              | ( <b>***</b> **) | Device   | Word Clo                          |                           |                | Proje        | ct        | B <sup>‡</sup> Tu | ~     | undu     |          | 300          | huun | 400 | mh |             |
| Devices      |                  | E        | Protect D                         | evices                    |                |              |           |                   |       |          |          |              |      |     |    |             |
| ices         |                  | E        | Clock<br>Daylight                 | Saving Time.              | •              | -100         |           |                   |       |          |          |              |      |     |    |             |
|              |                  | t        | GPI Calib                         | ration                    |                |              |           |                   |       |          |          |              |      |     |    |             |
| Network      | ⊟                | I/C      | -                                 | rom Devices<br>Nert Popup |                | 0            |           |                   | 01    | RM-      | CG       | <b>•</b> • • |      |     |    |             |
| ork          |                  | =        | RM Serie                          | s Settings                | •              | Sign Up      |           |                   |       |          |          |              |      |     |    |             |
|              |                  | E        | Rio3224                           | -D2                       |                | Login        |           |                   |       |          |          |              |      |     |    |             |
|              |                  | E        | 🚥 Rio1608                         | -D2                       |                |              | d Setting |                   |       |          |          |              |      |     |    |             |
|              |                  | []       | Tio1608-D                         |                           |                | Enable S     | CP remot  | e contro          | acces | S        |          |              |      |     |    |             |
|              |                  | 8 🖿      | R Series (SL                      |                           |                | 100          |           |                   |       |          |          |              |      |     |    | · · · ·     |
|              |                  |          | wered Spea                        | -                         |                |              |           |                   |       |          |          |              |      |     |    |             |

#### RM Series Settings

- **Sign Up** Sets the initial password.
- Login

Enters the password before controlling the device with ProVisionaire Design.

- **Password Settings** Changes the device password.
- Enable SCP remote control access Turn this on to control devices using ProVisionaire Design or a remote control.

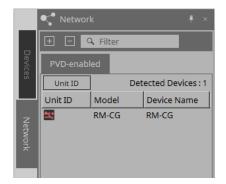


When the ProVisionaire Design and devices are set to online, "Enable SCP remote control access" is automatically turned on. After setting the devices, please reset as necessary.

### 26.4. "Network" area

To control "RM-CG," you must set an initial password for the device and log in.

Right-click on RM-CG in Network and select Sign Up/Login. Alternately, do this in RM Series Settings, which is displayed from the [System] menu on the menu bar.





Until you login, you will not be able to configure the settings using ProVisionaire Design.

## 26.5. "Properties" area

This area allows you to display and edit device information. For details, refer to the "RM-CG Reference Manual."

| ◀ Properties                      |                               |
|-----------------------------------|-------------------------------|
| ± Ξ                               | 🔁 Save Style                  |
| Property                          | Value '                       |
| Device                            |                               |
| Model                             | RM-CG                         |
| Device Name                       | RM-CG                         |
| Unit ID                           | 01                            |
| Hostname Settings                 |                               |
| Mode                              | Yamaha Hostname using Unit ID |
| Hostname                          |                               |
| Deployment Server Settings        |                               |
| Enable deployment server          | On                            |
| Provisioning interval (minutes)   | 1440                          |
| Enable automatic server discovery | On                            |
| Primary Server                    |                               |
| Secondary Server                  |                               |
| Syslog Server Settings            |                               |
| Enable Syslog                     | Off                           |
| Server address                    |                               |
| Port number                       | 514                           |
| SNMP Settings                     |                               |
| Enable SNMP                       | Off                           |
| Server address                    |                               |
| Read-only community               |                               |
| Device location                   |                               |
| Contact name                      |                               |

## 26.6. Device sheet screen configuration

When the RM-CG device sheet is opened, the device sheet and the "Bird's Eye view" will be displayed. When you double-click a component in the device sheet, the component editor opens.

|        | 51.1 <u>99</u> 1.1.1.1.1.2 <u>99</u> 1.5 | 300                 | 400         | 500           | 600          | 700                       | 800         | 900               | 1000          | . 1100       |          | 00  |  |
|--------|--|---------------------|-------------|---------------|--------------|---------------------------|-------------|-------------------|---------------|--------------|----------|-----|--|
|        | ธระได้ที่สามโลยสายได้ใช้สองไสย           | una hitia undan una | adamaalaaaa | abiliantonnal | itionalaatas | nd <del>aina</del> a laan | nubiilantaa | and With reaching | uondäinuo<br> | taran a bita | antoiadh |     |  |
| (1)    |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
| $\sim$ |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        | Microphone Settings                      | DSP Settings        | 6Band EQ    | Mute Settings | Fader        | Router                    | Dante Out   |                   |               |              |          |     |  |
|        | · · · · · ·                              | <b>&gt;</b>         | <b>&gt;</b> |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             | ► ►           |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          | i   |  |
| R      | eference Signal for AEC                  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        | · · · · · · · · · · · · · · · · · · ·    |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
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|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
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|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
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|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          | 1.1 |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |
|        |  |                     |             |               |              |                           |             |                   |               |              |          |     |  |

#### 1 Tool buttons

Frequently-used commands are provided here as buttons.

#### ② Bird's Eye view

This shows an overview of the sheet.

## 26.7. Tool buttons

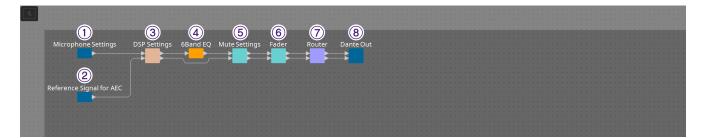
Frequently-used commands are provided here as buttons.

| Button | Command  | Overview              |
|--------|----------|-----------------------|
| - M2   | Mic Mute | Mutes the microphone. |

## **26.8. Component editors**

When you double-click a component in the device sheet, the component editor opens.

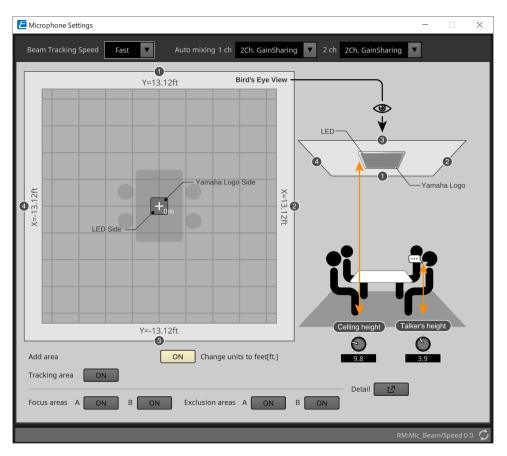
This section describes the RM-CG component editor, and the dialogs and windows that are closely associated with the components.



| Numbe<br>r | Component name              | Details  | Link                                   |
|------------|-----------------------------|--|--|
| 1          | Microphone Settings         | This adjusts the tracking speed<br>and range and the automixer<br>settings.                    | "Microphone Settings" component editor |
| 2          | Reference Signal for<br>AEC | Displays the reference signal<br>level of the adaptive echo<br>canceller.                      |  |
| 3          | DSP Settings                | Specifies the various DSP<br>settings, such as adaptive echo<br>canceller and noise reduction. | "DSP Settings" component editor        |
| 4          | 6Band EQ                    | Adjusts the 6-band EQ.   | "ProVisionaire Design Component Guide" |
| 5          | Mute Setting                | Sets the link to Mic Mute for each channel.  | "Mute Settings" component editor       |
| 6          | Fader                       | Adjusts the audio signal level.  |  |
| 7          | Router                      | Changes the assignments from<br>input channels to output<br>channels.                          |  |
| 8          | Dante Out                   |  |  |

### 26.8.1. "Microphone Settings" component editor

The tracking speed and range can be checked/adjusted. The automixer settings can also be checked/changed.



#### Beam Tracking Speed

Set the reaction time at which the beam follows the talker.

#### • Slow

his setting increases the stability of volume changes, but slows the talker tracking. Select this mode when the volume changes frequently due to a room with long reverberation times.

• Fast

Default setting. Well-balanced setting between volume change stability and talker tracking.

#### Auto mixing

Set the type of automatic audio mixing of microphone beam inputs.

• 1Ch.Gating

Select this setting for single beam mode. This provides higher clarity but more volume variation for a small group of talkers in a reverberant room with long reverberations times.

#### • 2Ch.GainSharing

Default setting. Select this setting for gainsharing of two beams. Well balanced setting between clarity and volume variation.

#### • 4Ch.GainSharing

Select this setting for gainsharing of four beams. This mode provides less volume variation with lower clarity for a more natural sound with many talkers in a good acoustical room with low reverberation times.

#### $\circ$ All Mix

Select this mode mixing of four beams. This mode provides less volume variation and clarity with the most natural sound with many talkers in a good acoustical room with low reverberation.



The Ch.1 output signal uses all signal processing, and is optimized for conference audio. The Ch.2 output signal is optimized for applications that require linearly processed signals or low latency.

#### • Tracking area

The beam tracking range can be restricted to within a  $\pm 4$  m (13.1 ft.) square. This is used to separate tracking areas in an environment with multiple RM-CGs, or to restrict the perimeter of a single RM-CG.

#### • Focus areas

A maximum of 2 focus areas can be defined, which allows the ceiling microphone to more clearly pick up speech within that specific area, even at low volumes.

This setting can be used alone or in addition to "Tracking Area."

Note that if the [Focus Area] overlaps with an [Exclusion Area], the [Exclusion Area] is prioritized and voice tracking within the overlap area is not permitted.

#### • Exclusion areas

This specifies areas to exclude sound sources such as projectors, air conditioners, and other unwanted sounds like coffee stations.

To prevent beam tracking, a maximum of two [Exclusion Area] can be set.

This setting can be used independently of the [Tracking Area] setting.

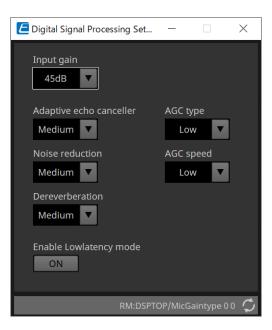
Note that if the [Exclusion Area] overlaps with a [Focus Area], the [Exclusion Area] is prioritized and beam tracking is prevented in these areas.

#### Detail button

When this button is clicked, a screen where you can enter numerical values for area settings will open.

### 26.8.2. "DSP Settings" component editor

The following settings can also be checked/changed.



#### • Input Gain

This sets the input gain.

#### \* Adaptive echo canceller

Select suppression strength of the echo canceller.

#### • Off:

Select this to disable the internal echo canceller when using an external echo canceller of a conferencing application or an external device.

#### $\circ\,$ Low:

elect this setting to keep the original sound as much as possible and still suppress acoustic echo.

#### • Medium:

Default setting. Well-balanced setting between echo cancelation strength and sound quality.

#### • High:

Select this setting for acoustically poor rooms with high echo levels and long reverberance times.

#### Noise reduction

Select strength of noise reduction against steady state noise.

#### • **Off:**

Select this setting to disable the internal noise suppression for use with the external noise reduction of a conferencing application or an external device.

 $\circ\,$  Low:

Select this setting for minimum steady state noise suppression while keeping the original sound as much as possible. This setting provides a natural room sound more than the amount of noise removed.

• Medium:

Default setting. Well-balanced setting between noise suppression effects and sound quality.

• High:

Select this setting for maximum steady state noise reduction in rooms with a lot of steady state noise such as loud fans or HVAC systems.

#### Dereverberation

Select the strength of the Dereverberation function.

### • **Off:**

No Dereverberation function. For use with external signal processing of a conference application or an external DSP.

### $\circ\,$ Low:

Select this setting for minimal Dereverberation for rooms with good acoustics and low reverberation times.

### • Medium:

Default setting used for most rooms and is a good balance between Dereverberation and sound quality.

### • High:

Select this mode for maximum Dereverberation for rooms with poor acoustics and long reverberation times. (e.g. glass walls & other reflective surfaces)

### • AGC type

Set strength of the auto gain control to reduce the fluctuation of the voice level, which is sent to remote listeners on the line.

• Off

Select this setting to disable automatic volume adjustment or to use another auto gain control of a conferencing application or an external device.

### $\circ$ Low

Default setting. Produces a natural sound level. Low talker volume input will remain low. High talker volume will be attenuated if it is too loud.

### • High

elect this setting to compensate for high dynamic talker volume changes. This setting will increase the volume level of quiet talkers in the room and will attenuate volume output if it is too loud.

### AGC speed

Set the reaction speed of the volume change of the auto gain control.

### • Low:

Default setting and general well-balanced setting between volume change and effect.

### • High:

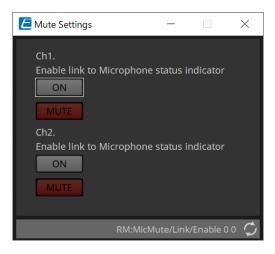
Select this setting for faster volume level compensation.

### • Enable Low latency mode

Select this option for applications that require short audio delays, such as voice lifts. All signal processing on Ch2 (lower output of the DSP Settings component) is disabled.

# 26.8.3. "Mute Settings" component editor

Sets whether the mute status is displayed using the Status LED on the RM-CG/RM-TT main unit.



### ' ON button

When this is ON, mutes when the main unit is muted.

### • MUTE button

This mutes each channel.

# 27. Microphones RM-TT

27.1 Overview
27.2 "Project" sheet
27.3 [System] menu
27.4 "Network" area
27.5 "Properties" area
27.6 Device sheet screen configuration
27.7 Tool buttons
27.8 Component editors

# 27.1. Overview

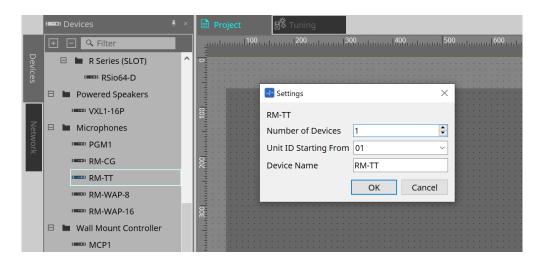
This will be a fixed configuration tabletop microphone.



To control "RM-TT," you must set an initial password for the device and log in.

# 27.2. "Project" sheet

This is the sheet on which devices are placed. When placing devices, the Settings screen shown below will be displayed.



\* Number of Devices

Selects the number of RM-TT units placed on the sheet.

<sup>•</sup> Unit ID Starting From

You can select the starting number for the device Unit IDs.

• Device Name

The device name can be displayed and edited.

# 27.3. [System] menu

Settings are made in RM Series Settings, which is displayed from the [System] menu on the menu bar.

| -+- P   | roVisio  | onaire D | Design   |                |  |                              |
|---------|----------|----------|--|----------------|--|------------------------------|
| File    | Edit     | View     | System Tools Arrange V                                   | Vindow         | Help   |                              |
|         | <b>₽</b> |          | Network Setup<br>IP Settings<br>Match Devices by IP Addr | ess            | ₹ 78% ▼ ( <sup>®</sup> , <sup>™</sup> | Ůı \$ ₦ ₪ \$ ∏ \$ <b>@</b> 7 |
|         | :======; | Device   | Device Information<br>Word Clock                         |                | iect 🛛 🖄 Tuning 100  | 400 500 600                  |
| D       |          |          | Protect Devices  |                |  |                              |
| Devices |          | Ē        | Clock<br>Daylight Saving Time                            | •              |  |                              |
|         |          | Po       | GPI Calibration  |                |  |                              |
| Network |          | Mi       | Get Log from Devices<br>Show Alert Popup                 |                | • 01· RM-TT  | <b>•</b>                     |
| rork    |          | []       | RM Series Settings                                       | •              | Sign Up  |                              |
|         |          | [        | RM-CG  | 110            | Login  |                              |
|         |          | []       | RM-TT  | <b>1 1 1 1</b> | Password Settings  |                              |
|         |          | []       | RM-WAP-8   |                | Enable SCP remote control access   |                              |
|         |          | [ ••]    | RM-WAP-16  | 300            |  |                              |
|         |          | le Wa    | all Mount Controller                                     |                |  |                              |

### RM Series Settings

### • Sign Up

Sets the initial password.

• Login

Enters the password before controlling the device with ProVisionaire Design.

Password Settings

Changes the device password.

• Enable SCP remote control access

Turn this on to control devices using ProVisionaire Design or a remote control.

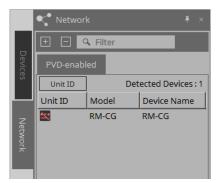


When the ProVisionaire Design and devices are set to online, "Enable SCP remote control access" is automatically turned on. After setting the devices, please reset as necessary.

## 27.4. "Network" area

To control "RM-TT," you must set an initial password for the device and log in.

Right-click on RM-TT in Network and select Sign Up/Login. Alternately, do this in RM Series Settings, which is displayed from the [System] menu on the menu bar.





Until you login, you will not be able to configure the settings using ProVisionaire Design.

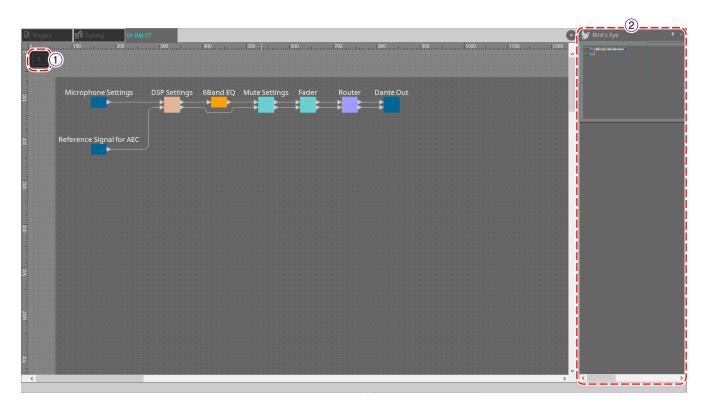
# 27.5. "Properties" area

This area allows you to display and edit device information. For details, refer to the "RM-TT Reference Manual."

| ✤ Properties                      | ₹×                            |
|-----------------------------------|-------------------------------|
| Ð                                 | 📆 Save Style                  |
| Property                          | Value ^                       |
| Device                            |                               |
| Model                             | RM-CG                         |
| Device Name                       | RM-CG                         |
| Unit ID                           | 01                            |
| Hostname Settings                 |                               |
| Mode                              | Yamaha Hostname using Unit ID |
| Hostname                          |                               |
| Deployment Server Settings        |                               |
| Enable deployment server          | On                            |
| Provisioning interval (minutes)   | 1440                          |
| Enable automatic server discovery | On                            |
| Primary Server                    |                               |
| Secondary Server                  |                               |
| Syslog Server Settings            |                               |
| Enable Syslog                     | Off                           |
| Server address                    |                               |
| Port number                       | 514                           |
| SNMP Settings                     |                               |
| Enable SNMP                       | Off                           |
| Server address                    |                               |
| Read-only community               |                               |
| Device location                   |                               |
| Contact nonco                     |                               |

# 27.6. Device sheet screen configuration

When the RM-TT device sheet is opened, the device sheet and the "Bird's Eye view" will be displayed. When you double-click a component in the device sheet, the component editor opens.



### 1 Tool buttons

Frequently-used commands are provided here as buttons.

### 2 Bird's Eye view

This shows an overview of the sheet.

# 27.7. Tool buttons

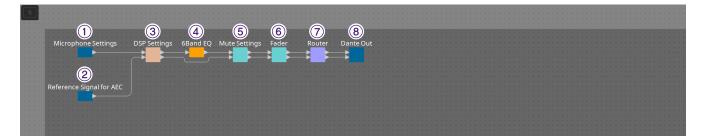
Frequently-used commands are provided here as buttons.

| Button | Command  | Summary               |
|--------|----------|-----------------------|
| 1 m2   | Mic Mute | Mutes the microphone. |

# **27.8. Component editors**

When you double-click a component in the device sheet, the component editor opens.

This section describes the RM-TT component editor, and the dialogs and windows that are closely associated with the components.



| Numbe<br>r | Component name              | Details  | Link                                   |
|------------|-----------------------------|--|--|
| 1          | Microphone Settings         | Sets the mute button operation and the mic's directivity.                                      | "Microphone Settings" component editor |
| 2          | Reference Signal for<br>AEC | Displays the reference signal<br>level of the adaptive echo<br>canceller.                      |  |
| 3          | DSP Settings                | Specifies the various DSP<br>settings, such as adaptive echo<br>canceller and noise reduction. | "DSP Settings" component editor        |
| 4          | 6Band EQ                    | Adjusts the 6-band EQ.   | "ProVisionaire Design Component Guide" |
| 5          | Mute Setting                | Sets whether or not the mute<br>status is displayed on the<br>indicator on the upper screen.   | "Mute Settings" component editor       |
| 6          | Fader                       | Adjusts the audio signal level.  |  |
| 7          | Router                      | Changes the assignments from<br>input channels to output<br>channels.                          |  |
| 8          | Dante Out                   |  |  |

### 27.8.1. "Microphone Settings" component editor

The tracking speed and range can be checked/adjusted. The automixer settings can also be checked/changed.

| C Microphone Settings | - 🗆 X  |
|-----------------------|--|
|                       | Mute Button Behavior<br>Toggle<br>Directivity<br>Auto voice tracking |
|                       | RM:Mic_Direcctl/Mode 0 0 🗘   |

### Mute Button Behavior

### • Toggle

Mute on and off will be toggled by pressing the mute button.

### • Push to talk

Microphone will be muted unless the button is pressed and held.

• Disable

Mute button on the device is disabled and mute status can only be changed externally (controller or different microphone in same group).

### Directivity

Sets the directivity of the microphone.

### • Auto voice tracking

This is the default setting. Select this setting for automatic tracking mode. The microphone automatically focuses on the voice of the person speaking.

### Omnidirectional

With this setting, all microphone elements are always active. Audio is picked up in the hemisphere above the microphone. Multiple voices can be captured simultaneously using the Omni setting. This setting should only be selected for quiet rooms with no reverberation and good acoustical conditions.

### • Cardioid

This setting allows to select the direction of up to 4 active cardioid pick-up patterns. Select this setting if participants are always in the same location in relation to the microphone. Cardioid requires that an auto-mixing strategy is selected.

### • Supercardioid

Same as cardioid, but the directivity of the pick-up pattern is narrower than cardioid.

### • Hypercardioid

Same as cardioid and Supercardioid, but the pick-up pattern is even narrower than supercardioid.

### • Toroid

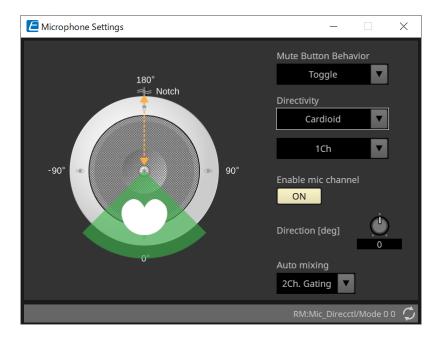
Select this setting in environments with noise sources above the microphone. Audio pick-up is

limited in vertical direction; the microphone focuses on voice sources horizontal to the microphone.

### Bidirectional

Select this setting to cover two talker positions opposite (180°) from each other.

When the microphone directivity is set to "Cardioid," "Supercardioid," or "Hypercardioid," the automixer settings can be checked/changed.



### • Enable mic channel

Turns the microphone for the CH selected in Directivity ON or OFF.

### Direction[deg]

Sets/changes the acoustic angle of the microphone for the CH selected in Directivity.

#### • Auto mixing

#### • 1Ch. Gating

Select this setting to allow one input channel to be active at a time. This setting provides highest clarity of the active talker, but more volume variation. Use the setting when several talkers participate in the meeting or in reverberant rooms.

### • 2Ch. Gating

Default setting. Select this setting to automatically mix up to two microphones using gain sharing. This setting allows for a well balanced experience between clarity and volume variations.

#### • 4Ch. Gating

Select this setting to allow all four channels to be mixed using gainsharing. This mode provides a better volume variation experience but with less clarity. This setting is recommended for settings with several active participants in the discussion. Use the setting only in a room with good acoustics and low reverberation times.

### • All Mix

Select this mode to mix all four channels without gain-sharing. The listener might experience more volume variation but will experience the most natural sound with many talkers. Use the setting only in a room with good acoustics and low reverberation times.

For details on components other than the "Microphone Settings" component editor, refer to "RM-CG".

# 28. Wall-mount Controller MCP1

28.1 Overview28.2 "Project" Sheet28.3 Setting Method28.4 Component Editor28.5 Alert List

## 28.1. Overview

The MCP1 is a wall-mounted control panel for controlling device parameters, presets, etc.

The External Event function allows products that are not supported by ProVisionaire Design to be controlled.

A home page and six pages can be set, and up to 36 parameters can be assigned to the switches. Please also refer to the MCP1 Installation Manual for information on handling the MCP1.

# 28.2. "Project" Sheet

This is the sheet on which devices are placed. When placing devices, the Settings screen shown below is displayed.

|         | Devices                   |   | 🗎 Pro |          | 🛯 🗱 Tuning    |      |        |  |
|---------|---------------------------|---|-------|----------|---------------|------|--------|--|
|         | + - 🤉 Filter              |   | ≈"""  | առուսում | 00,           | 300  |        |  |
| Devices | 🗉 🖿 R Series (SLOT)       | ^ |       |          |               |      |        |  |
| ices    | RSio64-D                  |   |       | 🔁 Settin | gs            |      | ×      |  |
|         | 😑 🖿 Powered Speakers      |   | 300   | MCP1     |               |      |        |  |
|         | •==== VXL1-16P            |   |       | Numbe    | r of Devices  | 1    | *<br>* |  |
| Network | 🖻 🖿 Microphones           |   | g     | Unit ID  | Starting From | 01   | ~      |  |
| /ork    | PGM1                      |   | 4     | Device I | Name          | MCP1 |        |  |
|         | RM-CG                     |   |       |          |               | ОК   | Cancel |  |
|         | RM-TT                     |   | 200   |          |               | OK   | cancer |  |
|         | RM-WAP-8                  |   |       |          |               |      |        |  |
|         | RM-WAP-16                 |   |       |          |               |      |        |  |
|         | 🗉 🖿 Wall Mount Controller |   | 600   |          |               |      |        |  |
|         | MCP1                      |   |       |          |               |      |        |  |

### \* Number of Devices

Selects the number of MCP1 units to be placed on the sheet.

### • Unit ID Starting From

The starting number for the device Unit IDs can be selected.

### Device Name

The device name can be displayed and edited.

### 28.2.1. Properties Area

Displays/edits the MCP1 information.

| A Properties      | ŧ                      | ×   |
|-------------------|------------------------|-----|
| Ξ                 | Save St                | yle |
| Property          | Value                  | ^   |
| Device            |                        |     |
| Model             | MCP1                   |     |
| Device Name       | MCP1                   |     |
| Unit ID           | 01                     |     |
| Utilities         |                        |     |
| Administrator PIN | 1111                   |     |
| Power User PIN    | 1111                   |     |
| Panel Unlock PIN  | 1111                   |     |
| Preset            |                        |     |
| Power on Default  | Off                    |     |
| Display           |                        |     |
| 🗆 Font            | A [Noto Sans, 12]      |     |
| Name              | Noto Sans              |     |
| Size              | 12                     |     |
| Bold              | False                  |     |
| Italic            | False                  |     |
| Strikeout         | False                  |     |
| Underline         | False                  |     |
| Font Color        | 255, 255, 255, 255     |     |
| Background Color  | 255, 133, 153, 148     |     |
| Foreground Color  | 255, 133, 153, 148     |     |
| Border Color      | 255, 89, 104, 100      |     |
| Brush Style       | SimpleGradientVertical |     |
| □ Location        | 180, 132               |     |
| Х                 | 180                    |     |
| Y                 | 132                    | ~   |
| <                 | >                      |     |

### • Utilities

### • Administrator PIN

This is the code to open the Settings Page on the main unit. It is a four-digit number. It can also be used as the Power User PIN and Panel Unlock PIN.

### • Power User PIN

This is the code to open the page when "Power User Page (PIN required)" is enabled. It is a fourdigit number.

### • Panel Unlock PIN

This is the code to unlock the panel lock. It is a four-digit number.

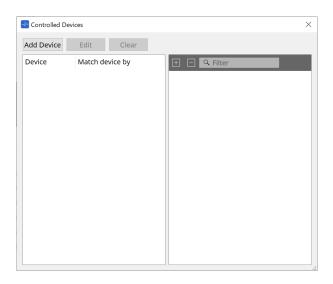
### 28.3. Setting Method

1. Double-click the MCP1 placed on the Project sheet. Component Editor will be displayed.

| Contr                                     | rolled Devic                                    | es          |       |       |       |           |               |  |   |
|---|---|-------------|-------|-------|-------|-----------|---------------|--|---|
| eset                                      |   | $\sim$      | ъ     |       |       |           |               |  | - |
| Home                                      | Page1   | Page2       | Page3 | Page4 | Page5 | Page6     | Dimmer & Lock |  |   |
| Label                                     |   |             |       |       |       |           |               |  |   |
|   |   |             |       |       |       |           |               |  |   |
|   |   |             |       |       |       |           |               |  |   |
| E alla                                    |   |             |       |       |       |           |               |  |   |
| Edit                                      |   |             |       |       |       |           |               |  |   |
|   |   |             |       |       |       |           |               |  |   |
|   |   |             |       |       |       |           |               |  |   |
|   |   |             |       |       |       |           |               |  |   |
|   |   |             |       |       |       |           |               |  |   |
| unction                                   |   |             |       |       |       |           |               |  |   |
|   |   |             |       | Model | Match | device by | Parameter     |  |   |
| unction                                   |   | 1           |       | Model | Match | device by | Parameter     |  |   |
| unction<br>Switch                         | Function  |             |       | Model | Match | device by | Parameter     |  |   |
| unction<br>Switch                         | Function<br>No Assign                           | ı           |       | Model | Match | device by | Parameter     |  |   |
| unction<br>Switch<br>L1<br>L2             | Function<br>No Assign<br>No Assign              | 1           |       | Model | Match | device by | Parameter     |  |   |
| unction<br>Switch<br>L1<br>L2<br>L3       | Function<br>No Assign<br>No Assign              | ו<br>ו<br>ו |       | Model | Match | device by | Parameter     |  |   |
| unction<br>Switch<br>L1<br>L2<br>L3<br>R1 | Function<br>No Assign<br>No Assign<br>No Assign | ו<br>ו<br>ו |       | Model | Match | device by | Parameter     |  |   |

<sup>2.</sup> Click on the [Controlled Devices] button in the Component Editor.

The Controlled Devices dialog will be displayed. On this screen, register the devices to be controlled by the MCP1.





For devices with fixed configurations, such as the MTX5-D and PC-D series, the device does not necessarily need to be placed on the Project sheet.

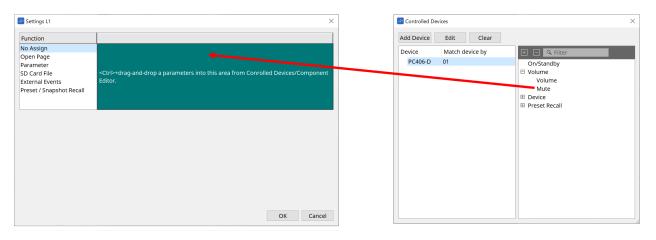
However, devices such as the DME and MRX7-D, whose configurations can be freely changed by the user, must be placed on the Project sheet. This is to assign parameters by dragging and dropping them from the Component Editor of the device sheet, the Parameter Sets area, etc.

3. Click on the [Switch Selection Button] in the Component Editor.

| Conti                          | rolled Devices   |             |                 |               |  |
|--------------------------------|--|-------------|-----------------|---------------|--|
| reset                          | × 🖻  | 1           |                 |               |  |
| Home                           | Page1 Page2 F  | Page3 Page4 | Page5 Page6     | Dimmer & Lock |  |
| Label                          |  |             |                 |               |  |
|                                |  |             |                 |               |  |
|                                |  |             |                 |               |  |
| Edit                           | t  |             |                 |               |  |
|                                |  |             |                 |               |  |
|                                |  |             |                 |               |  |
|                                |  |             |                 |               |  |
|                                |  |             |                 |               |  |
| Function                       | 1  |             |                 |               |  |
| Function<br>Switch             | Function   | Model       | Match device by | Parameter     |  |
| _                              |  | Model       | Match device by | Parameter     |  |
| Switch                         | Function   | Model       | Match device by | Parameter     |  |
| Switch<br>L1                   | Function<br>No Assign  | Model       | Match device by | Parameter     |  |
| Switch<br>L1<br>L2             | Function<br>No Assign<br>No Assign                           | Model       | Match device by | Parameter     |  |
| Switch<br>L1<br>L2<br>L3       | Function<br>No Assign<br>No Assign<br>No Assign              | Model       | Match device by | Parameter     |  |
| Switch<br>L1<br>L2<br>L3<br>R1 | Function<br>No Assign<br>No Assign<br>No Assign<br>No Assign | Model       | Match device by | Parameter     |  |

The Settings dialog will be displayed.

4. Drag and drop parameters from the parameter list in the Controlled Devices dialog to the Settings dialog to assign them to switches.



For the DME and MRX7-D, drag parameters from the Component Editor or the Parameters area. Even if you move to the DME or MRX7-D device sheet, the Settings dialog will remain displayed.

| 😌 Settings L1  | ×  | E Fader | - |        | × |
|--|--|---------|---|--------|---|
| Function<br>No Assign<br>Open Page<br>Parameter<br>SD Card File<br>External Events<br>Preset / Snapshot Recall | <ctrl>+drag-and-drop a parameters into this area from Conrolled Devices/Component<br/>Editor.</ctrl> | 2       |   | On 0 0 | 0 |

Refer to the Settings dialog for information on how to assign parameters.



To control a product that is not supported by ProVisioniare Design, use Function > External Event.

### $^{5.}\,$ Click on the [Preset] button.

The Preset List dialog will be displayed. Presets save all page and Dimmer & Lock settings. Loading a preset will load the page and Dimmer & Lock settings into the MCP1 Editor. If you recall a preset while online, the panel settings on the MCP1 main unit will also change.

# 28.4. Component Editor

Double-clicking a device on the Project sheet will open the editor.

|              | S 01 MCP1 ×  | Preset List |                        |
|--------------|--|-------------|------------------------|
| 1            | Controlled Devices                                     | Store       | Recall                 |
| (2)          | Preset   | No          | Name                   |
| ( <b>4</b> ) | Home Page1 Page2 Page3 Page4 Page5 Page6 Dimmer & Lock | 01          | [No Data]              |
| $\mathbf{}$  |  | 02<br>03    | [No Data]<br>[No Data] |
|              |  | 04          | [No Data]              |
|              |  | 05          | [No Data]              |
| (5)          | - Edit   | 06<br>07    | [No Data]<br>[No Data] |
|              |  | 08          | [No Data]              |
|              |  |             |                        |
|              | Function   | Сору        | Paste Clear            |
|              | Switch Function Model Match device by Parameter        |             |                        |
|              | L1 No Assign   |             |                        |
|              | L2 No Assign   |             |                        |
| 6            | L3 No Assign   |             |                        |
| 0            | R1 No Assign   |             |                        |
|              | R2 No Assign   |             |                        |
|              | R3 No Assign   |             |                        |
|              |  |             |                        |
|              |  |             |                        |
|              |  |             |                        |
|              |  |             |                        |

### ① [Controlled Devices] Button

Opens the Controlled Devices dialog.

### 2 Preset list

Recalls presets.

### ③ [Preset] Button

Opens the Preset List dialog.

### ④ [Home]/[Page 1] to [Page 6] tabs

Set the MCP1 pages.

The [Home] page is the page that is displayed when the MCP1 is started up or the Home switch is pressed. On the [Home] page, you can switch pages by assigning [Open Page] to a switch.

The [Page 1] tab will be explained here.

| Home                      | Page1     | Page2                  | Page3 | Page4  | Page5    | Page6     | Dimmer & Lock              |          |  |  |
|---------------------------|-----------|------------------------|-------|--------|----------|-----------|----------------------------|----------|--|--|
| Label 🗌 Power User Page ( |           |                        |       |        |          |           |                            |          |  |  |
|                           |           |                        |       |        |          |           |                            |          |  |  |
| Edit                      |           |                        |       |        |          |           |                            |          |  |  |
|                           |           |                        |       |        |          |           |                            |          |  |  |
|                           |           |                        |       |        |          |           |                            |          |  |  |
| Function                  |           |                        |       |        |          |           |                            |          |  |  |
| Button                    | Function  |                        |       | Model  | Match o  | levice by | Parameter                  | ^        |  |  |
| L1                        | Paramet   | er                     |       | MTX5-D | 01       |           | Input Fader/On/Ch          | 1        |  |  |
| L2                        | Paramet   | Parameter<br>No Assign |       | MTX5-D | 01<br>01 |           | Input Fader/Level/Ch1 [ -∞ |          |  |  |
| L3                        | No Assig  |                        |       |        |          |           | Input Fader/On/Ch6         |          |  |  |
| R1                        | Parameter |                        |       | MTX5-D |          |           |                            |          |  |  |
| R2                        | Paramet   | er                     |       | MTX5-D | 01       |           | Input Fader/Level/         | Ch6[-∞ 🗸 |  |  |

### • [Power User Page [PIN required]] checkbox (other than [Home] page)

If checked, you will be required to enter the Power User PIN when opening a page on the MCP1 main unit. The Power User PIN is set in the device's Properties area > Utilities.

### **(5) Label [Edit] Button**

Opens the Label dialog.

### **6** Function [Switch] selection button

Click to open the Settings dialog.

### ⑦ [Function]/[Model]/[Match device by][Parameter]

Displays an overview of the settings made on the Settings screen.

### 28.4.1. [Dimmer & Lock] Tab

Sets the brightness of the MCP1's display and switches, and the operation of the panel lock.

| Home Page1 Page   | 2 Page3 Page4          | 4 Page5 Pa         | ge6 Dimmer & Lock   |
|---|------------------------|--------------------|---|
| Brightness  |                        |                    | Panel Lock  |
| Display brightness settin<br>Display brightness can a<br>will overwrite local brigh | so be edited via devid |                    | Panel is locked via Preset Recall.  |
| LCD Brightness<br>LCD Contrast  | 5                      | *<br>*             | To unlock, push and hold Home Switch of panel for 2 or<br>more seconds. Panel will be re-locked after the assigned<br>waiting time. |
| LED Brightness  | 5                      | A<br>V             | To unlock, enter PIN on Panel. Set the Panel unlock PIN in the Properties area of the device.                                       |
| aiting Time 30sec v   | im and Panel Lock fu   | nctions, following | Jast panel operation.   |
|   |                        |                    |   |

### • [Brightness] checkbox

If this box is checked, the brightness and contrast of the display and the brightness of the switches can be changed when a preset is recalled.

[LCD Brightness] is the brightness of the display. The higher the number, the brighter the display will be. [LCD Contrast] is the contrast of the display. The higher the number, the greater the difference between

#### brightness and darkness.

[LED Brightness] is the brightness of the switches. The higher the number, the brighter the switches will be.

### • [Panel Lock] checkbox

If this box is checked, the MCP1 panel will be locked when a preset is recalled. If the [Enable Temporary Unlocking] box is checked, the panel can be unlocked by pressing and holding the Home switch on the

### MCP1 for longer than 2 seconds.

If the [Enter PIN to unlock MCP1] box is checked, you will be prompted to enter the Panel Unlock PIN when unlocking the panel.

### • [Waiting Time]

Sets the time from the last operation until the MCP1 enters hibernation or a locked state.

### 28.4.2. Controlled Devices Dialog

Displayed when the [Controlled Devices] button in the Component Editor is clicked. Register the devices to be controlled by the MCP1.

| Controlled Dev               | rices             |                           |  | $\times$ |
|------------------------------|-------------------|---------------------------|--|----------|
| Add Device                   | Edit              | Clear                     |  |          |
| Device<br>This Device<br>DM7 | Unit ID<br><br>01 | Match device by<br><br>01 | <ul> <li>Filter</li> <li>Input Ch</li> <li>Mix Ch</li> <li>Stereo Ch</li> <li>Matrix Ch</li> <li>DCA Group</li> <li>Mute Group Control<br/>Scene Recall (Default)</li> </ul> |          |
| <                            |                   | >                         |  |          |

### • [Add Device] Button

Click to open the Add Device dialog. Register the devices to be controlled by the MCP1.

| 🔁 Add Device    |                 | ×     |
|-----------------|-----------------|-------|
| Device Type     | Digital Mixers  | ~     |
| Model           | DM7             | ~     |
| Unit ID         | 01              | ~     |
| Match device by | IP Address      | ~     |
| IP Address      | · · · ·         |       |
|                 | Add Add & Close | Close |

Selects how the MCP1 searches for devices on the network in [Match Device by]. Select [IP Address] to search by device IP address, or select [Unit ID] to search by device Unit ID.



Unit ID can be used as a device identifier when adding devices to a sheet.

### • [Edit] Button

Click to open the Unit ID & Match Device by dialog.

| 돰 Match device by |               | $\times$ |
|-------------------|---------------|----------|
| Unit ID           | 01            | ~        |
| Match device by   | IP Address    | ~        |
| IP Address        | 192 . 168 . 0 | . 99     |
|                   | ОК            | Cancel   |

Changes the [Unit ID] and [Match Device by] of the device selected in the Device List.

### • [Clear] Button

Deletes the device selected in the Device List.

### • Device List

Displays the registered devices.

### • Parameter List

Displays the parameters of the device selected in the Device List. Parameters can be registered in the Settings dialog by dragging and dropping them.



Register parameters for models whose configurations can be freely changed, such as the DME and MRX7-D, by dragging and dropping them from the Component Editor or the Parameters area to the Settings dialog.

### 28.4.3. Preset List Dialog

Up to eight MCP1-related settings can be saved as presets.

Presets can be recalled from external devices. They can also be recalled with other MCP1 switches.

|       | ×           |
|-------|-------------|
| Store | Recall      |
| No    | Name        |
| 01    | [No Data]   |
| 02    | [No Data]   |
| 03    | [No Data]   |
| 04    | [No Data]   |
| 05    | [No Data]   |
| 06    | [No Data]   |
| 07    | [No Data]   |
| 08    | [No Data]   |
|       |             |
| Сору  | Paste Clear |

### • [Store] Button

Saves the [Home]/[Page 1] to [Page 6]/[Dimmer & Lock] settings to a preset.

### • [Recall] Button

Recalls the selected preset.

The settings are expanded to [Home]/[Page 1] to [Page 6]/[Dimmer & Lock]. If you recall a preset while online, the panel settings on the main unit will also change.

• [Copy] Button

Copies the selected preset.

· [Paste] Button

Pastes the copied preset to the selected preset.

• [Clear] Button

Clears the selected preset.

### 28.4.4. Label Dialog

| Cell                      | Font Settings            |
|---------------------------|--------------------------|
| Worko Worko               | Noto Sans ~              |
| Relaxat WXC-50            | 7 ~ B I U                |
| Mic Vol. BGM Vol.         | Color White ~            |
|                           | Alignment Left ~         |
| Merge Cells Unmerge Cells | Character Spacing 0      |
|                           | Line Spacing 0 ≑         |
|                           |                          |
|                           | 0                        |
|                           | Up<br>0 Left Right Reset |
|                           | Down                     |
| Preview                   | Down                     |
| Workout Workout BGM       |                          |
| Relaxation BG_WXC-50      | Image Settings           |
| Mic Vol. BGM Vol.         | Import Clear             |
|                           | importai elear           |
|                           | 0                        |
|                           | Up                       |
|                           | 0 Left Right Reset       |
|                           | Down                     |
|                           |                          |
|                           |                          |

Creates an image for each page to be displayed on the MCP1 main unit's display.

### · [Cell]

Edits the page screen.

To edit text, double-click the cell or select the cell and press the < F2 > key.

Press the < Enter > key or use the mouse to select another cell to confirm.

If including a background image in a cell, select the cell and check the [Image Settings] checkbox. Press the [Import] button and select the image file.

Cells can be moved not only with the mouse, but also with the cursor keys, < Tab > key, and < Enter > key. A range of cells can also be selected by moving through them while holding down the < Shift > key.

' [Merge Cells] Button

Select multiple cells and click this to merge them.

\* [Unmerge Cells] Button

Select merged cells and click this to unmerge them.

• [Preview]

Displays the page image. The text and images set in [Cell] can be checked.

#### Font Settings Area

Sets the font of the text displayed in the selected cell.

- Font List Box
   Selects a font. Fonts installed on the computer can be selected.
- Font Size List Box

Selects the font size.

### • [B]/[I]/[U] Buttons

Click to make the text in the cell bold/italicized/underlined.

• Color

Displays the color of the text in the cell. Click on the button to switch between white and black.

[Alignment] List Box

Selects the alignment of the text in the cell.

- [Character Spacing] spin box Sets the spacing between characters in a cell.
- [Line Spacing] spin box Sets the spacing between rows in a cell.
- **[Up]/[Left]/[Right]/[Down]/[Reset] Buttons** Adjust the text position in the cell. The amount of movement is displayed as a numerical value. Click on the [Reset] button to restore it to the initial value.

### Image Settings

The background image of the selected cell can be set when this is checked.

### • [Import] Button

Click to open the Open File dialog.

The selectable image extensions are **.png**, .bmp, and \*.jpg.

After selecting the image data, click on the [OK] button to open the Re-size Image dialog where you can select how to arrange the image in the cell.

| 📑 Re-size Image   | ?        | ×      |
|---|----------|--------|
| Scale the imported image to fit MCP1 cell size, using aspect ratio and transformation modes spe       | cified l | below. |
| Keep Original.  |          |        |
| $\bigcirc$ Image is scaled to maximum possible size. Aspect ratio is ignored.                         |          |        |
| $\bigcirc$ Image is scaled to maximum possible size, preserving original aspect ratio and full image. |          |        |
| $\bigcirc$ Image is scaled to maximum possible, preserving original aspect ratio.                     |          |        |
| ОК  | Can      | icel   |

### • [Clear] Button

Click to delete the background image.

- [Up]/[Left]/[Right]/[Down]/[Reset] Buttons
   Adjust the background image position in the cell. The amount of movement is displayed as a numerical value. Click on the [Reset] button to restore it to the initial value.
- [All Clear] Button

Initializes all cell information.

• [OK] Button

Retains the setting information and closes the dialog.

• [Cancel] Button

Discards the setting information and closes the dialog.

# 28.4.5. Settings dialog

Registers parameters and presets to be controlled by the MCP1.

| Settings L1              | ×  |
|--------------------------|--|
| Function                 |  |
| No Assign                |  |
| Open Page                |  |
| Parameter                |  |
| SD Card File             | <ctrl>+drag-and-drop a parameters into this area from Conrolled Devices/Component</ctrl> |
| External Events          | Editor.  |
| Preset / Snapshot Recall |  |
|                          |  |
|                          |  |
|                          |  |
|                          | OK Cancel  |

Parameters and presets can be registered to switches by dragging and dropping them into the green area.

| Registration Source                            | Registration Method  |
|--|--|
| Parameter List in the Controlled Device dialog | Drag and drop the parameter or preset into the green area of the Settings dialog.  |
| DME and MRX7-D Component Editor*1              | While holding down the < Ctrl > key, drag and drop the parameter into the green area of the Settings dialog.   |
| DME and MRX7-D Parameters Area                 | Drag and drop the parameter into the green area of the Settings dialog.  |
| MRX7-D Link Control Editor                     | While holding down the < Ctrl > key, drag and drop the Link Control into the green area of the Settings dialog.  |
| DME Parameter Sets Area                        | Drag and drop the snapshot into the green area of the Settings dialog.   |
| MRX7-D Parameter Sets Area                     | Drag and drop the snapshot into the green area of the Settings<br>dialog.<br>Drag and drop the snapshot group into the green area of the<br>Settings dialog. |
| MRX7-D Presets Area                            | Drag and drop the preset into the green area of the Settings dialog.   |

\*1 For devices other than the DME and MRX7-D, parameters can only be registered from the Parameter List in the Controlled Device dialog.

### Function

### • [No Assign]

Function is not assigned.

| Function   |  |
|--|--|
| No Assign<br>Open Page<br>Parameter<br>SD Card File<br>External Events<br>Preset / Snapshot Recall | <ctrl>+drag-and-drop a parameters into this area from Conrolled Devices/Component<br/>Editor.</ctrl> |
|  | OK Cancel  |

### • [Open Page (Home page only)]

| Function                 | Page |
|--------------------------|------|
| No Assign                | 1    |
| Open Page                | 2    |
| Parameter                | 3    |
| SD Card File             | 4    |
| External Events          | 5    |
| Preset / Snapshot Recall | 6    |
|                          |      |
|                          |      |

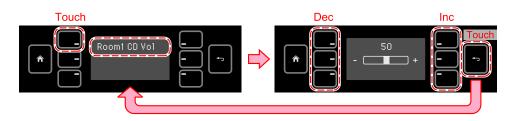
Press the switch to change the MCP1 page.

### • [parameter]

• Control Type list box

### When Parameter Value Edit is selected

Operates the assigned parameter within the range specified by the Lower Limit and Upper Limit. Select the parameter you want to operate on the MCP1 main unit by touching it, and operate it using the L1/2/3 and R1/2/3 switches and return switch.



| Settings L1  | ×   |
|--|---|
| Function   |   |
| No Assign<br>Open Page   |   |
| Parameter<br>SD Card File<br>External Events<br>Preset / Snapshot Recall | TF-RACK<br>192.168.0.100<br>Input Ch/Level/Ch1                        |
| Control Type   | Parameter Value Edit v  |
| Parameter Range  | Lower Limit Upper Limit<br>-∞ 10.00dB Sensitivity Mid ✓ ✓ Mute Enable |
|  | OK Cancel   |

#### • Parameter Range

Sets the parameter's range of motion. Click Lower Limit/Upper Limit to display the controls.

#### • Mute Enable checkbox

When this is turned on, a Mute state  $(-\infty dB)$  occurs when the level falls below the value set in [Lower Limit].

### • [Sensitivity]

Sets the sensitivity with which the parameter changes in response to switch operations.

### When Direct Parameter Value is selected

Sets the assigned parameter to the value specified by Value. Click Parameter Value to display the controls.



| Settings L1               |                        | $\times$ |
|---------------------------|------------------------|----------|
| Function                  |                        |          |
| No Assign<br>Open Page    |                        |          |
| Parameter<br>SD Card File | MTX5-D<br>01           |          |
| External Events           |                        |          |
| Preset / Snapshot Recall  | Input Fader/Level/Ch1  |          |
| Control Type              | Direct Parameter Value |          |
| Parameter Value           | -00                    |          |
|                           | OK Cance               | :1       |

### • [SD Card File Manager]

### For DME10/DME7/MRX7-D or MTX3/MTX5-D placed on the Project sheet

When SD Card File > Sel & Play is assigned from Controlled Devices, the SD Card File Manager dialog starts.

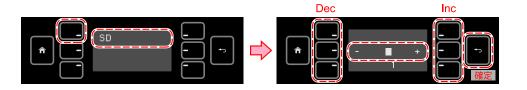
For the DME, one file or multiple consecutive files can be selected. For the MTX3, MTX5-D, and MRX7-D, only one file can be selected.

| No. | Туре      | File / Folder | Play Mode | Go to the top | Interval | 1 |
|-----|-----------|---------------|-----------|---------------|----------|---|
| 001 | No Assign | No Assign     | -         | -             | -        | _ |
| 002 | No Assign | No Assign     | -         | -             | -        |   |
| 003 | No Assign | No Assign     | -         | -             | -        |   |
| 004 | No Assign | No Assign     | -         | -             | -        |   |
| 005 | No Assign | No Assign     | -         | -             | -        |   |
| 006 | No Assign | No Assign     | -         | -             | -        |   |
| 007 | No Assign | No Assign     | -         | -             | -        |   |
| 800 | No Assign | No Assign     | -         | -             | -        |   |
| 009 | No Assign | No Assign     | -         | -             | -        |   |
| 010 | No Assign | No Assign     | -         | -             | -        |   |
| 011 | No Assign | No Assign     | -         | -             | -        |   |
| 012 | No Assign | No Assign     | -         | -             | -        |   |
| 013 | No Assign | No Assign     | -         | -             | -        |   |
| 014 | No Assign | No Assign     | -         | -             | -        |   |
| 015 | No Assign | No Assign     | -         | -             | -        |   |
| 016 | No Assign | No Assign     | -         | -             | -        |   |
| 017 | No Assign | No Assign     | -         | -             | -        |   |
| 018 | No Assign | No Assign     | -         | -             | -        |   |
| 019 | No Assign | No Assign     | -         | -             | -        |   |
| 020 | No Assign | No Assign     | -         | -             | -        |   |
| 021 | No Assign | No Assign     | -         | -             | -        |   |

For the DME, multiple files can be selected.

| When multi | ple files are | selected | (for DME only) |
|------------|---------------|----------|----------------|
|            |               |          |                |

| Settings L1   |                       |                      |                   | ×      |
|---|-----------------------|----------------------|-------------------|--------|
| Function  |                       |                      |                   |        |
| No Assign<br>Open Page                                      |                       |                      |                   | ľ      |
| Parameter   | DME7<br>01            |                      |                   |        |
| SD Card File<br>External Events<br>Preset / Snapshot Recall | SD Song Select & Play |                      |                   |        |
| i reser shupshot keedii                                     |                       |                      |                   |        |
| Control Type  | Parameter Value Edit  | ]                    |                   |        |
|   | Lower Limit           | Upper Limit          |                   |        |
| Parameter Range   | rd:/Downloads/aaa.mp3 | d:/Downloads/bbb.mp3 | Sensitivity Mid ~ |        |
|   |                       |                      |                   |        |
|   |                       |                      |                   |        |
|   |                       |                      |                   |        |
|   |                       |                      | ОК                | Cancel |



### When one file is selected

| Nettings R3                                 |                        |         |      | ×      |
|---|------------------------|---------|------|--------|
| Function                                    |                        |         | <br> |        |
| No Assign<br>Open Page<br>Parameter         | DME7                   |         |      |        |
| SD Card File                                | 01                     |         |      |        |
| External Events<br>Preset / Snapshot Recall | SD Song Select & Play  |         |      |        |
| Control Type                                | Direct Parameter Value |         |      |        |
| Parameter Value                             | d:/Downloads/aaa.mp3   |         |      |        |
|   |                        |         | ОК   | Cancel |
|   |                        | Radio - |      |        |

押している間だけ LED 点灯

### For MTX3/MTX5-D not placed on the Project sheet

After assigning SD Card File > Sel & Play from Controlled Devices by dragging and dropping it, configure the settings related to file playback.

| 😽 Settings L1  |                                    |                     | ×                           |
|--|------------------------------------|---------------------|-----------------------------|
| Function   |                                    |                     |                             |
| No Assign<br>Open Page<br>Parameter<br>SD Card File<br>External Events<br>Preset / Snapshot Recall | MTX5-D<br>01<br>SD Song Select & F | Play                |                             |
| Folder / File<br>O Play 1 song  Play al<br>SD CARD:/   | ll songs in a Folder<br>Browse     | Play Mode<br>Normal | Interval<br>Time(Sec) 0.0 🗘 |
|  |                                    | [                   | OK Cancel                   |

Refer to the DME SD Card File Manager dialog for setting details.

### • [External Event]

| Settin     | gs L2               |          |        |     |    |     |    |        |          |             |               |   |          |          |           |
|------------|---------------------|----------|--------|-----|----|-----|----|--------|----------|-------------|---------------|---|----------|----------|-----------|
| unctio     | on                  |          |        |     | 1  |     |    |        |          |             |               |   |          |          |           |
| lo Ass     |                     |          |        |     |    |     |    |        |          |             |               |   |          |          |           |
| )<br>pen F |                     |          |        |     |    |     |    |        |          |             |               |   |          |          |           |
| aram       |                     |          |        |     |    |     |    |        |          |             |               |   |          |          |           |
| D Car      | d File<br>al Events | -        |        |     |    |     |    |        |          |             |               |   |          |          |           |
|            | / Snapsł            |          | Recall |     |    |     |    |        |          |             |               |   |          |          |           |
| reset      | / Jhupsi            | 1011     | (ccuii |     |    |     |    |        |          |             |               |   |          |          |           |
|            |                     |          |        |     |    |     |    |        |          |             |               |   |          |          |           |
| Contro     | olled De            | vice     | 5      |     |    |     |    |        |          |             |               |   |          | Event Mo | de On/Off |
| No.        | Protoc              |          | IP Add |     |    |     |    |        | Port No  |             | Dalau         |   | C        |          |           |
| 1<br>1     | None                | 01<br>   | IP Auc | ire | 55 |     |    |        | 0        |             | Delay<br>0.0s | * | Comments |          |           |
| 2          | None                | <u> </u> |        | •   |    | •   | •  |        | 0        |             | 0.0s          | * |          |          |           |
| 3          | None                | •        |        | Ľ   |    | - : | -! |        | 0        | *<br>*<br>* | 0.03          | * |          |          |           |
| 4          | None                | -        |        |     |    |     |    |        | 0        |             | 0.0s          | * |          |          |           |
| ~          |                     | _        | -      | -   |    | -   | -  |        |          |             | 1             |   |          |          |           |
| Com        | mand                | _        |        | _   |    |     |    |        |          |             |               |   |          |          |           |
|            | On                  |          | Off    |     |    |     |    |        |          |             |               |   |          |          |           |
| Hex        |                     |          |        |     |    |     |    | Overwi | rite ASC | II          |               |   |          |          | Convert   |
|            |                     |          |        |     |    |     |    |        |          |             |               |   |          |          |           |
|            |                     |          |        |     |    |     |    |        |          |             |               |   |          |          |           |
|            |                     |          |        |     |    |     |    |        |          |             |               |   |          |          |           |
|            |                     |          |        |     |    |     |    |        |          |             |               |   |          |          |           |
|            |                     |          |        |     |    |     |    | Clea   | r        |             |               |   |          |          | Clear     |
|            |                     |          |        |     |    |     |    | creat  |          |             |               |   |          |          | creat     |
|            |                     |          |        |     |    |     |    |        |          |             |               |   |          |          |           |
|            |                     |          |        |     |    |     |    |        |          |             |               |   |          | OK       | Cano      |

### • [Event Mode] List Box

When an event is assigned to a switch, it operates as follows.

[On/Off]: The MCP1 alternately sends an On command and Off command each time the switch is pressed.

[1shot]: The MCP1 sends the set command each time the switch is pressed.

#### Controlled Device

Sets the information for the device receiving commands.

For details on how to configure the receiving device, refer to the documentation for each device's commands.

#### Protocol

Selects the protocol supported by the device receiving commands.

IP Address

Set the IP address of the device receiving commands.

• Port No.

Sets the port number of the device receiving commands.

Delay

Sets the delay for each command, with the time the switch was pressed as 0.

Comments

Allows for input of text.

### Command On/Off

Displayed when set to On/Off in the [Event Mode] list box.

Sets the respective commands when the switch is on and off. Commands are entered in two-digit hexadecimal format.

### Overwrite/Insert

When set to [Insert], input in the Command text box becomes an insert, and hexadecimal numbers can be added at the beginning or in the middle.

Hex

Sets the command to control the device in hexadecimal.

Clear

Deletes the command.

Ascii

If commands to control the device are provided as character strings in the specifications, etc., enter the commands and use the [Converter] button to convert them into hexadecimal.

[Convert] Button

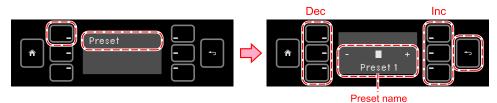
Converts commands in character strings into hexadecimal and enters them in "Hex".

#### • [Presets/Snapshots]

### • Control Type

<u>When Parameter Value Edit is selected</u> Sequentially numbered presets or snapshots can be assigned to a single device.

| Settings L1  | >   | × |
|--|---|---|
| Function   |   | 1 |
| No Assign<br>Open Page<br>Parameter<br>SD Card File<br>External Events<br>Preset / Snapshot Recall | MTX3<br>192.168.0.100                     |   |
| Control Type Pa  | rameter Value Edit 🛛 🗸                    |   |
|  | ver Limit Upper Limit<br>eset 1 Preset 50 |   |
|  | OK Cancel                                 |   |



#### When Direct Parameter Value is selected

Multiple presets, snapshots, or snapshot groups can be assigned to the same switch at the same time by repeating the assign operation. Presets for different devices can also be assigned at the same time.



For the Rivage PM series and DM7 series, only the Direct Parameter Value can be selected.



For the MRX7-D snapshot group, only the Direct Parameter Value can be selected.

| Settings L2              |                  |                 |          |    | X      |
|--------------------------|------------------|-----------------|----------|----|--------|
| Joettings EE             |                  |                 |          |    |        |
| Function                 | Model            | Match Device by | Value    |    |        |
| No Assign                | MTX3             | 192.168.0.100   | Preset 1 |    |        |
| Open Page                | PC406-D          | 01              | Preset 1 |    |        |
| Parameter                |                  |                 |          |    |        |
| SD Card File             |                  |                 |          |    |        |
| External Events          |                  |                 |          |    |        |
| Preset / Snapshot Recall |                  |                 |          |    |        |
|                          |                  |                 |          |    |        |
|                          |                  |                 |          |    |        |
| Control Type             | Direct Parameter |                 |          |    |        |
| control type             | filect Parameter | value *         |          |    |        |
|                          |                  |                 |          |    |        |
|                          |                  |                 |          |    |        |
| Parameter Value          | Preset 1         |                 |          |    |        |
|                          |                  |                 |          |    |        |
|                          |                  |                 |          | ОК | Cancel |
|                          |                  |                 |          | UK | Cancel |
|                          |                  |                 |          |    |        |
|                          |                  |                 |          |    |        |
|                          |                  | וו              |          |    |        |
|                          |                  | 🚽 Preset Radio  |          |    |        |



押している間だけ LED 点灯

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## 28.5. Alert List

Refer to the MTX5-D/MTX3 Alert List.

# 29. External Device Speakers

29.1 Overview

- 29.2 "Project" sheet
- 29.3 "Properties" area
- 29.4 "Recall Speaker Preset(s)" dialog box

## 29.1. Overview

For speakers placed on the Project sheet, by connecting to a PC Series or other amplifier, the PC-D amplifier speaker processor can be opened.

| 🕂 Pro   | oVisionaire Design             |                                     |
|---------|--------------------------------|-------------------------------------|
| File    | Edit View System Tools Arrange | Window Help                         |
| D       |                                | ﴾ €, ♀, ‱ ▼  ▷ ㅋ ⊓ └ ヰ ++ い 홈 Ⅱ ㄹ ┃ |
|         |                                | Online Offline 🕀 Solo Mode          |
|         | Devices 🖡 🗵                    | Project 🕂 Tuning                    |
|         | + - 🤉 Filter                   |                                     |
| Devices | 🗉 🖿 Audio Processors           |                                     |
| ces     | DME7                           | VXC8                                |
|         | I MTX5-D                       |                                     |
| ~       | E MTX3                         | SP Out                              |
| Network | E YDIF                         | g                                   |
| ork     | 🗉 🖿 MTX/MRX I/O Expanders      |                                     |
|         | EXI8                           | full-range                          |
|         | EXO8                           |                                     |
|         | 🗉 🖿 Power Amplifiers           |                                     |
|         | 🗆 🖿 PC Series                  | 8                                   |
|         | PC406-D                        |                                     |
|         |                                |                                     |

# 29.2. "Project" sheet

This is the sheet on which devices are placed. When placing the speaker, the Settings screen shown below is displayed.

|         | Devices              | ₹× | Project 📑 Project                            |  |
|---------|----------------------|----|--|--|
|         | + - 🤉 Filter         |    |  |  |
| Devices | E XMV8140            | ^  |  |  |
| ices    | EMAN XMV8140-D       |    | Speakers X                                   |  |
|         | I XMV8280            |    | Number of Devices 1                          |  |
|         | xMV8280-D            |    | □ Generic Speaker ^                          |  |
| Network | 🗉 🖿 I/O Interfaces   |    | Generic Speaker ○ 3Way □ Installation Series |  |
| ork     | 🗆 🖿 R Series (AD/DA) |    | IF3115/64 O 2Way                             |  |
|         | Rio3224-D2           |    | IF3115/95 O 1Way                             |  |
|         | Rio1608-D2           |    | IH2000/64<br>IH2000/95                       |  |
|         | "====" Tio1608-D     |    | IL1115                                       |  |
|         | 🗆 🖿 R Series (SLOT)  |    | IF2115/64                                    |  |
|         | RSio64-D             |    | IF2115/95<br>IF2115/99                       |  |
|         | 🗉 🖿 Powered Speakers |    |  |  |
|         | WXL1-16P             |    | OK Cancel                                    |  |
|         | 🗆 🖿 Microphones      |    |  |  |

### \* Number of Devices

Selects the number of speakers placed on the sheet.

• [4way/3way/2way/1way] option button Selects the speaker configuration.

# 29.3. "Properties" area

Displays/edits the speaker information.

| ▲ Properties    | ŧ                       | × |
|-----------------|-------------------------|---|
| (± E            | Bave St                 |   |
| Property        | Value                   | ^ |
| External Device |                         |   |
| Туре            | Speakers                |   |
| Model           | VXC8                    |   |
| Label           | VXC8                    |   |
| Display         |                         |   |
| 🗆 Font          | A [Noto Sans, 12]       |   |
| Name            | Noto Sans               |   |
| Size            | 12                      |   |
| Bold            | False                   |   |
| Italic          | False                   |   |
| Strikeout       | False                   |   |
| Underline       | False                   |   |
| Font Color      | 255, 255, 255, 255      |   |
| Background      | <b>2</b> 55, 30, 30, 30 |   |
| Foreground C    | 255, 30, 30, 30         |   |
| Border Color    | 255, 30, 30, 30         |   |
| Brush Style     | SimpleGradientVertical  |   |
| 🗆 Location      | 720, 660                | ~ |

### ' Model

When clicked, the 🚾 button is displayed. When the [image] button is clicked, the dialog is displayed, and the selected speaker type can be changed.

| → Speakers        |        |   | ×        |
|-------------------|--------|---|----------|
| 🗄 Club V Series S | Subwoo | ^ | A) 4) 4) |
| ⊞ CBR Series      |        |   | IWay     |
| I BR Series       |        |   |          |
|                   |        |   |          |
|                   |        |   |          |
| 🖽 S Series        |        |   |          |
|                   |        |   |          |
| 🖽 VXS Series F M  | lodel  |   |          |
| 🗄 VXS Series M M  | Vodel  |   |          |
| 🗄 VXS Series S N  | Iodel  |   |          |
| VXC Series        |        |   |          |
| VXC8              |        |   |          |
| VXC6              |        | ~ |          |
|                   | OK     |   | Cancel   |

• Label

Any text string can be displayed or edited for the speaker.

# 29.4. "Recall Speaker Preset(s)" dialog box

Here you can change the speaker library.

This dialog box appears when you right-click a speaker that is connected to a PC-series device and choose [Recall Speaker Preset(s)].

Recall Speaker Preset(s)
1
00Default\_qu\_L
List
2
00Default\_qu\_LM
List
4
List
OK
Cancel

### • Library

For each connector, indicates the library item that is specified. Immediately after the dialog box appears, the default library item is shown.

### • [LIST] button

Selects and shows library items.

### • [OK] button

Specifies a library item and closes the dialog box.

### • [Cancel] button

Closes the dialog box without specifying a library item.

# 30. DCP

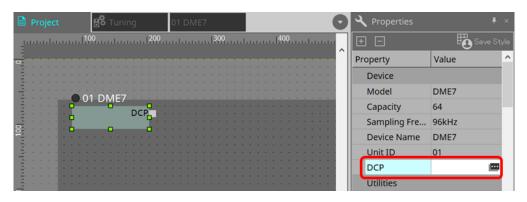
- 30.1 Overview
- 30.2 How to select the DCP to be connected
- 30.3 Setting method for DME
- 30.4 Setting method for MTX5-D/MTX3
- 30.5 Setting method for MRX7-D

### 30.1. Overview

The DME10/DME7/MRX7-D/MTX5-D/MTX3 parameters can be assigned to the operators of a digital control panel (DCP) such as the DCP1V4S, and controlled from the DCP. In addition, the brightness of the LEDs on the DCP unit can be set, as well as a panel lock. Settings cannot be made while in an online state (settings can only checked).

# 30.2. How to select the DCP to be connected

First, select DME10/DME7/MRX7-D/MTX5-D/MTX3 in the Project sheet, and select the DCP for the Properties area.



After that, use the screen below to select the DCP that has been connected to the DCP port.

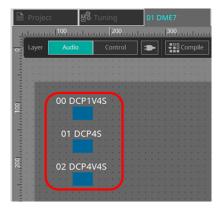
| P D | СР            |  | × |
|-----|---------------|--|---|
| ID  | Model         | Name   | ^ |
| 0   | DCP1V4S-US/EU | DCP1V45  | ] |
| 1   | DCP4S-US/EU - | DCP4S  |   |
| 2   | None 💌        |  |   |
| 3   | None 💌        |  |   |
| 4   | None 💌        |  |   |
| 5   | None 💌        |  |   |
| 6   | None 💌        |  |   |
| 7   | None 💌        |  | ~ |
| DEV | CP ID=0 ID=1  | This is an example of a daisy-chain connection.<br>This is an example of a daisy-chain connection.<br>The provided and the provid | 4 |
|     | DCP           | DCP cable run from device. OK Cancel   |   |

When DCP is selected, a module for DCP settings for each device on the "Project" sheet is added. Click on the DCP setting module to specify the settings.

| P P        | roj  | jeo | t |        | Ę        | ß   | Т  | ur | nir | ng |    |    |   |   | 0 | 1      | D | M | E | 7  |    |     |    |    |     |    |            |     |    |   |   |   |    |    |   |   |    |    |    |   |   |    |   |   |   |   |    |    |    |     |    |   |   |       |
|------------|------|-----|---|--------|----------|-----|----|----|-----|----|----|----|---|---|---|--------|---|---|---|----|----|-----|----|----|-----|----|------------|-----|----|---|---|---|----|----|---|---|----|----|----|---|---|----|---|---|---|---|----|----|----|-----|----|---|---|-------|
| -jaar<br>- | .  0 | )   | u | <br>l. | <br>. 1. | d i | 19 | 00 |     | 4  | Ы  | u  |   | 4 | 2 | 00     |   |   | u | .1 | d  |     |    | đ  | 300 | ), | ω          | u.  | a  | 4 | 4 |   | 4( | )0 | 4 | 1 | IJ |    | d  | 4 | 5 | 00 | J | J | d |   | L. |    | J  | 60( | 9. | u | d | <br>ł |
| •          |      |     |   |        |          |     |    |    |     |    |    |    |   |   |   |        |   |   |   |    |    |     |    |    |     |    |            |     |    |   |   |   |    |    |   |   |    |    |    |   |   |    |   |   |   |   |    |    |    |     |    |   |   |       |
| line.      |      |     |   |        |          |     |    |    |     |    |    |    |   |   |   |        |   |   |   |    |    |     |    |    |     |    |            |     |    |   |   |   |    |    |   |   |    |    |    |   |   |    |   |   |   |   |    |    |    |     |    |   |   |       |
|            |      |     |   |        |          |     |    |    |     |    |    |    |   |   |   |        |   |   |   |    |    |     |    | •  |     | •  | •          |     | •  | • |   |   | •  | •  | • | • | •  | •  | •  | • | • | •  |   |   |   |   |    |    | •  |     | •  |   |   |       |
| 8          |      |     |   |        | •        | 0   | 0  | 1  | D   | M  | 1E | 7  |   |   |   | 1      |   | ſ |   | 0  | 00 | ) [ | 0  | CF | P1  | V  | /4         | S   | ļ  | 4 | D | 0 | 1  | D  | C | 2 | S  | 1  | 1  | ļ | P |    | 0 | 2 | D | C | P۷ | 4\ | /4 | S   |    |   |   |       |
|            |      |     |   |        |          |     |    |    |     |    |    |    | D | C |   | i      |   |   |   |    |    |     |    |    |     |    | ł          | i   | l  | k |   |   |    |    |   |   |    | l  | i  | l | k |    |   |   |   |   |    |    | ł  | l   |    |   |   |       |
|            |      |     |   |        |          |     |    |    |     |    |    |    |   |   |   |        |   |   |   |    |    |     |    |    |     |    |            |     |    |   |   |   |    |    |   |   |    |    |    |   |   |    |   |   |   |   |    |    |    |     |    |   |   |       |
| 00         |      |     |   |        | •        | •   | 0  | 1  | M   | IT | X  | 5- | D |   |   | V<br>C | _ |   |   |    | 9  | ) ( | 00 | )  | D   | CI | <b>P</b> 1 | l N | /4 | S | ļ | ſ |    | 0' | 1 | D | CI | 22 | IS | l | l | ļ  | P |   | 0 | 2 | D  | C  | P4 | 4V  | 4  | S |   |       |
| 3          |      |     |   |        |          |     |    |    |     |    |    |    |   |   |   |        |   | ١ |   |    |    |     |    |    |     |    |            |     | 1  | 1 | 1 | ł |    |    |   |   |    |    |    | 1 |   | ł  | l |   |   |   |    |    |    |     | 1  | ł |   |       |
|            |      |     |   |        |          |     |    |    |     |    |    |    |   |   |   | ľ      |   |   |   |    |    |     |    |    |     |    |            |     |    |   |   |   |    |    |   |   |    |    |    |   |   |    |   |   |   |   |    |    |    |     |    |   |   |       |

The DCP component is automatically added to the device sheet. Double-clicking a component opens the component editor.

### ■ For the DME10/DME7/MRX7-D



### For the MTX series

|        | P   | ro | je | ct |    |     |    |     | B  | ß | Т | ur | nir | ıg |      |   |    | 0   | 1 | DI | M  | 57 |    |      |    |      | 0      | 11 | M. | тх | (5- | D  |   |    |   |  |
|--------|-----|----|----|----|----|-----|----|-----|----|---|---|----|-----|----|------|---|----|-----|---|----|----|----|----|------|----|------|--------|----|----|----|-----|----|---|----|---|--|
|        | ρ., | D  |    | d  |    |     | D. | Ц   | 10 | 0 |   | D. | Lа  | .1 | <br> | 2 | 00 | 1.1 |   | d. | D. |    | .1 | . Jŝ | 00 | ), ( | <br>d. |    | d. | ы  |     | 40 | 0 | Ŀ. | ы |  |
|        | Г   | м  | тх | С  | on | fig |    | ati | on |   | 1 | I  |     | 1  |      |   |    |     |   |    |    |    |    |      |    |      |        |    |    |    |     |    |   |    |   |  |
| 111    | L   |    |    |    |    | ng  |    |     |    |   | l |    | -   | 1  |      |   |    |     |   |    |    |    |    |      |    |      |        |    |    |    |     |    |   |    |   |  |
|        |     |    |    |    |    |     |    |     |    |   |   |    |     |    |      |   |    | Ĵ   | Ĵ | 1  | Ĵ. | Ĵ. | Ĵ. | Ĵ.   | Ì. |      |        |    |    |    |     |    |   |    |   |  |
| 3      |     |    |    |    |    |     |    |     |    |   |   |    |     |    |      |   |    |     |   |    | ċ  | 'n |    |      |    |      |        |    |    |    |     |    |   |    |   |  |
|        |     |    |    |    |    |     |    |     |    |   |   |    |     |    |      |   |    |     |   | P  | C  | Ρ  |    |      |    |      |        |    |    |    |     |    |   |    |   |  |
| l<br>5 |     |    |    |    |    |     |    |     |    |   |   |    |     |    |      |   |    |     |   |    |    |    |    |      |    |      |        |    |    |    |     |    |   |    |   |  |
| 1      |     |    |    |    |    |     |    |     |    |   |   |    |     |    |      |   |    |     |   |    |    |    |    |      |    |      |        |    |    |    |     |    |   |    |   |  |
|        |     |    |    |    |    |     |    |     |    |   |   |    |     |    |      |   |    |     |   |    |    |    |    |      |    |      |        |    |    |    |     |    |   |    |   |  |

# 30.3. Setting method for DME

A DCP component can be added to a Parameter Set just like any other audio component and store/recall its current value in a snapshot.

### How to register to Parameter Set

Parameters can be registered in a parameter set in the following ways.

| Registration source | Registration method   |
|---------------------|---|
| Device sheet        | While holding down < Ctrl >, drag and drop the DCP component to the Parameter Set in the "Parameter Sets" area. |
|                     | Select "Add to Parameter Set" in the context menu.  |

### 30.3.1. DCP component setting

| Project       |   | 1000 1400 1500 |
|---------------|---|----------------|
| Gang Edit     |   |                |
| 8 00 DCP1V4S  | Digital Control Panel Save Load 00 DCP1V45  | ×              |
|               | No. Name<br>0 [No Data]<br>02 [No Data]<br>03 [No Data]<br>04 [No Data]   |                |
| 8             | 04 [No Data]<br>05 [No Data] Parameter Assign Dimmer & Lock Source Select<br>06 [No Data] Switch  | Ξ              |
| <b>8</b>      | 08 [No Data]<br>9 [No Data] No. Function Parameter<br>10 [No Data] 1 No Assign<br>11 [No Data] 2 No Assign  | ^              |
| 88            | 1         [No Data]           1         [No Data]           14         [No Data]           15         [No Data]           16         [No Data]           17         [No Data]   | ~              |
| 683           | 17         [No. Data]         No.         Function         Parameter           18         [No Data]         1         No Assign         1           19         [No Data]         1         No Assign         1           20         [No Data]         1         1         1 |                |
| - <u>7</u> 09 | 21 Tivo Datal マ<br>Copy Paste Clear<br>認定者物がになるからは PresedがイアログにてしbrangをPresedに開造付けた上で。  |                |
| 8             | そのPresetをリコールする必要があります。   | Close          |

Click on the DCP component in the Audio layer and specify the various settings.

### • [Clear All] button

Deletes the contents that have been set.

### 30.3.2. [Parameter Assign] tab

The setting dialog that is used to specify the settings for each operator is displayed when the No. icon for the operator (switch or knob) that you want to set is clicked. Assign DME10/DME7 parameters to each operator in the dialog.

| Paramet   | er Assign Dir | nmer & Lock |   |
|-----------|---------------|-------------|---|
| Switch    |               |             |   |
| No.       | Function      | Parameter   | ^ |
| 3<br>Knob |               |             | ~ |
| No.       | Function      | Parameter   |   |

## 27.3.2.1. DCP component: Settings dialog (switch)

Click the No. icon of the DCP component editor to open it.

| Switch                  |           |           |    |        |
|-------------------------|-----------|-----------|----|--------|
| No.                     | Function  | Parameter |    | ~      |
| 1                       | No Assign |           |    |        |
| 2                       | No Assign |           |    |        |
| 2                       | No Assign |           |    | ~      |
|                         |           | +         |    |        |
| Settings (Swit          | tch 1)    |           |    | ×      |
| Function                |           |           |    |        |
| No Assign               |           |           |    |        |
| SD Play<br>Snapshot Rec | all       |           |    |        |
| Parameter               | an        |           |    |        |
|                         |           |           |    |        |
|                         |           |           |    |        |
|                         |           |           |    |        |
|                         |           |           |    |        |
|                         |           |           | ОК | Cancel |

### • [OK] button

Saves the settings and closes the dialog box.

#### ' [Cancel] button

Closes the dialog box without saving the changes.

#### Function

• [No Assign]

Function is not assigned.

• [SD Play]

| Settings (Switch 1) |                       |                 | ×      |
|---------------------|-----------------------|-----------------|--------|
| Function            |                       | Parameter1      | ^      |
| No Assign           | SD Song Select & Play | 001 [No Assign] |        |
| SD Play             | SD Song Pause         | 002 [No Assign] |        |
| Snapshot Recall     |                       | 003 [No Assign] |        |
| Parameter           |                       | 004 [No Assign] |        |
|                     |                       | 005 [No Assign] | ~      |
|                     |                       |                 |        |
|                     |                       |                 |        |
|                     |                       | ОК              | Cancel |

# • SD Song Select & Play

Plays the file specified in the [Parameter1] list. For SD Card file settings, refer to "SD Card File Manager" dialog.

#### • SD Song Pause

Stops playing the file.

# [Snapshot Recall]

# Recalls the snapshot.

Snapshot can be registered in the following ways.

| Registration source | Registration method   |
|---------------------|---|
|                     | Drag and drop the snapshot into the green area of the<br>"Settings" dialog box. |

# · [Parameter]

Operate parameters with switches.

Parameters can be registered in the following ways.

| Registration source | Registration method   |  |  |  |  |  |  |  |
|---------------------|---|--|--|--|--|--|--|--|
| Component editor    | While pressing and holding down < Ctrl >, drag and<br>drop a parameter to the green area of the "Settings"<br>dialog box. |  |  |  |  |  |  |  |
| "Parameters" area   | Drag and drop a parameter to the green area of the "Settings" dialog box.   |  |  |  |  |  |  |  |

Below is an example of assigning a parameter that changes continuously.

| Settings (Swite                                    | ch 1)          |                     |             | ×           |
|--|----------------|---------------------|-------------|-------------|
| Function   |                |                     |             |             |
| No Assign<br>SD Play<br>Snapshot Reca<br>Parameter | all            | Fader<br>Level/Ch01 |             |             |
| Control Type                                       | Parameter Valu | e Edit 🛛 🗠          |             |             |
| ● Inc  |                |                     | ⊖ Dec       | Sensitivity |
| Minimum  | Upper L        | imit                | Lower Limit | Mid ~       |
| -∞   | 10.00dE        | 3                   | -00         |             |
|  |                |                     | Mute Enable |             |
|  |                |                     | ОК          | Cancel      |

# • [Control Type] list box

If Parameter Value Edit is selected

# • [Inc]

The parameter is added each time the switch is pressed. You can set the movable range with Minimum/Upper Limit. Click Minimum/Upper Limit to display controls.

• [Dec]

Subtracts the parameter each time the switch is pressed.

You can set the lower limit with Lower Limit. Click Lower Limit to display the controls.

• [Mute Enable] check box

If this option is selected, the Mute state  $(-\infty dB)$  will be enabled if the level is lowered below the value specified by [Lower Limit].

# ○ [Sensitivity] list box

Sets the sensitivity of parameter changes in response to the downward operation of the DCP switch.

# • [Control Type] list box

If Direct Parameter Value is selected

When the switch is pressed, the parameter becomes the value specified by Value.

# • [Control Type] list box

If Knob Assign is selected

When the switch is pressed, you can use the knob to operate the parameter assigned to the switch.

This function is only for DCP1V4S.

For the setting, refer to the knob section.

#### 27.3.2.2. DCP component: Settings dialog (knob)

| Knob                |           |           |
|---------------------|-----------|-----------|
| No. Function        | Parameter |           |
|                     | <b>I</b>  |           |
| F Settings (Knob 1) |           | ×         |
| Function            |           |           |
| No Assign           |           |           |
| Parameter           |           |           |
|                     |           |           |
|                     |           |           |
|                     |           | OK Cancel |

# · [Parameter]

Operate the parameters with the knobs. Parameters can be registered in the following ways.

| Registration source | Registration method   |  |  |  |  |  |  |  |
|---------------------|---|--|--|--|--|--|--|--|
| Component Editor    | While pressing and holding down < Ctrl >, drag and drop a parameter to the green area of the "Settings" dialog box. |  |  |  |  |  |  |  |
| "Parameters" area   | Drag and drop a parameter to the green area of the "Settings" dialog box.   |  |  |  |  |  |  |  |

| 軠 Settings (Knob 1) |           |                      |                      |   | ×         |
|---------------------|-----------|----------------------|----------------------|---|-----------|
| Function            |           |                      |                      |   |           |
| No Assign           |           |                      |                      |   |           |
| Parameter           |           | Fader(4)<br>Level/Ch |                      |   |           |
| Parameter Range     |           |                      | 🗌 Nominal            | Sensitivity   |           |
| Lower Limit         | Upper Lim | iit                  | Nominal Value        | Mid ~   |           |
| -00                 | 10.00dB   |                      | 0.00dB               |   |           |
| Mute Enable         |           |                      | Nominal LED Position | 2 knob rotation will adjust level between lower and upper limits. |           |
|                     |           |                      | 4 ~                  | Acceleration  |           |
|                     |           |                      |                      |   | OK Cancel |

# · [Parameter Range]

You can set the movable range with Lower Limit and Upper Limit. Click Lower Limit/Upper Limit to display the controls.

#### • [Mute Enable] check box

If this option is selected, the Mute state  $(-\infty dB)$  will be enabled if the level is lowered below the value specified by [Lower Limit].

# • [Nominal]

By specifying the nominal value, you can assign a specific LED position as the normal volume setting. For

example by specifying the center LED as the volume setting for normal use and setting the maximum value to the maximum volume that is allowable for the system, you can prevent damage to the system

that might occur if the volume of the background music were raised during a noisy time.

If the check box is selected, the Nominal function will be on.

[Nominal Value] specifies the nominal value.

[Nominal LED Position] specifies the LED position that will light when the level reaches the nominal value.

#### • [Sensitivity]

Sets the sensitivity of parameter changes in response to the rotary operation of the DCP knob. If [Acceleration] is on, the parameter will change faster if the knob is rotated more rapidly. If [Fast] is selected as the [Sensitivity], the [Acceleration] setting is dimmed and unavailable.

# 30.3.3. [Dimmer & Lock] tab

Sets the brightness of the MCP1's display and switches, and the operation of the panel lock.

| 🕂 00 DCP4V4S  |                     |            |            |         |           |           |          |          |          | _     |           | ×      |
|---|---------------------|------------|------------|---------|-----------|-----------|----------|----------|----------|-------|-----------|--------|
| $ \begin{array}{c} 1 \\ 2 \\ 3 \\ 4 \end{array} $ $3 \\ 4 \end{array} $ |                     |            |            |         |           |           |          |          |          |       | Clea      | ır All |
| Parameter Assign  | Dimmer & Lock       |            |            |         |           |           |          |          |          |       |           |        |
| LED Brightness 3 $ 	imes $  |                     |            |            |         |           |           |          |          |          |       |           |        |
| Enable Inactive M   | lode                |            |            |         |           |           |          |          |          |       |           |        |
| The DCP LED's will b  | pe dimmed automa    | atically a | fter the w | waiting | time.     |           |          |          |          |       |           |        |
| Inactive Brightness   | 3 ~                 | 5          |            | 5       |           |           |          |          |          |       |           |        |
| Panel Lock  |                     |            |            |         |           |           |          |          |          |       |           |        |
| Panel is locked via re  | ecalling the DCP co | omponei    | nt.        |         |           |           |          |          |          |       |           |        |
| Enable Temporar   | ry Unlocking        |            |            |         |           |           |          |          |          |       |           |        |
| To Unlock, push a   | nd hold switch 1 o  | of the DC  | P for 2 or | r more  | seconds   | s.        |          |          |          |       |           |        |
| Waiting Time 5sec   | ×                   |            |            |         |           |           |          |          |          |       |           |        |
| 5   |                     |            |            |         |           |           |          |          |          |       |           |        |
| The DCP panel will be   | e locked and/or dim | nmed aft   | ter the as | ssigned | a waiting | j time, f | ollowing | the last | t operat | ion o | of the pa | anel.  |
|   |                     |            |            |         |           |           |          |          |          |       |           |        |

#### • [LED Brightness] list box

Specifies the brightness of the DCP unit's LEDs. Higher values will make the LEDs brighter.

#### • [Enable Inactive Mode] check box

If the check box is selected, the unit automatically enters inactive mode after a time duration specified in [Waiting Time].

[Inactive LED Brightness] specifies the brightness of the LEDs when inactive. If the check box is cleared, the drop-down menu is grayed-out and you will be unable to set the brightness.

#### • [Panel Lock] check box

If this check box is selected, the DCP panel will be locked when the snapshot library is recalled. If the [Enable Temporary Unlocking] check box is selected, pressing and holding down DCP switch 1 for two seconds will unlock the panel.

#### • [Waiting Time]

Specifies the time from the last operation until the unit enters inactive mode or the panel is locked.

# **30.4. Setting method for MTX5-D/MTX3**

| Presets                       |         | Ŧ      | × |      | I P      | roje | ect |          |      | E    | 彦  | Tu | nin | g  |        | C   | )1 N    | ит  | x5 | -D |     |    |     |    |   |        |     |
|-------------------------------|---------|--------|---|------|----------|------|-----|----------|------|------|----|----|-----|----|--------|-----|---------|-----|----|----|-----|----|-----|----|---|--------|-----|
| 王 🕒 Q Filter                  |         |        |   |      | <b>9</b> | ы    | nd. | <u>.</u> |      | .1.1 | 00 | ω  | La  | Li | <br>20 | ٩., | i di la | La. |    |    | 130 | Ρ, | 1.1 | d. | ш | <br>цť | 400 |
| Store Recall Clea             | r       |        |   |      |          |      |     | onfig    | grat | ion  |    | E  | 3   |    |        |     |         |     |    |    |     |    |     |    |   |        |     |
| Recall Settings Recall Filter |         |        |   |      |          |      |     |          |      |      |    |    |     |    |        |     |         |     |    |    |     |    |     |    |   |        |     |
| Preset                        | Protect | Filter | ^ | 1001 |          |      |     |          |      |      |    |    |     |    |        |     |         | D   | CP |    |     |    |     |    |   |        |     |
| 01 [No Data]                  |         |        |   |      |          |      |     |          |      |      |    |    |     |    |        |     |         |     |    |    |     |    |     |    |   |        |     |
| 02 [No Data]                  |         |        |   | 1011 |          |      |     |          |      |      |    |    |     |    |        | L   |         |     |    |    |     |    |     |    |   |        |     |

When the DCP component in MTX5-D/MTX3 is clicked, the DCP dialog opens and settings can be made.

#### 🕞 🐓 Bird's Eye 🖶 Digital Control Pane 00 DCP1V45 ~ Save No. Name 1002 [No Data] 01 DCP1V4S 02 [No Data] 03 [No Data] [No Data] 04 05 06 07 ≡ Analog Ir Input Pa [No Data] [No Data] Parameter Assign Dimmer & Lock [No Data] Switch 08 09 10 [No Data] [No Data] Function Parameter No. [No Data] 1 No Assign 11 [No Data] 2 No Assign 12 13 14 [No Data] [No Data] 3 No Assign [No Data] [No Data] Knob 15 16 17 18 . [No Data] [No Data] [No Data] No Function Parameter 1 No Assign 19 [No Data] [No Data] [No Data] 20 21 Copy Pas To apply the settings, associate the Library with a Preset in the Preset dialog. and then recall the Preset. Close

Double-click the DCP component to open the component editor.

# • [Library]

You can store 32 sets of DCP settings in the Library.

The Library stores the settings of all DCPs connected to the MTX. Also, the DCP Library can be recalled at the same time as the MTX preset recall. Make settings in the dialog box that appears when you press the [Recall Settings] button in the "Presets" area.



The library can be used on the DCP by recalling it at the same time as the MTX preset. If you want to select the DCP to recall, click the [Recall Filter] button in the "Presets" area and make filter settings in the dialog box that appears.



Recalling the Library will collectively recall all DCPs (up to 8 units) connected to the MTX.

When recalling a Library, any desired DCP can be excluded from the recall. Click on the Recall Filter button in the Presets area and set the filter in the dialog that appears.

# • [Save] button

This button stores an item in the library. The [Parameter Assign] tab and [Dimmer & Lock] tab settings will be saved.

# • [Load] button

Load Library. Expand the settings to the "Parameter Assign" tab and the "Dimmer & Lock" tab.

# 30.4.1. DCP component settings

## • [Library] list

Select the library item that you want to save or load. The currently-loaded library item is shown in bold characters.

By double-clicking a previously-saved library item, you can edit its name.

#### • [Copy] button

This button copies the selected library item. The Copy command is not available while online.

#### • [Paste] button

This button pastes the copied library item to the library item that's currently selected in the list. The Paste command is not available while online.

#### • [Clear] button

This button clears the contents of the library item that's currently selected in the list. The Clear command is not available while online.

# • DCP selection box

Select the DCP unit for which you want to make settings. The DCP set in the "Properties" area of the "Project" sheet will be displayed.

#### • [Parameter Assign] tab

| Paramet | ter Assign | Dimmer & I | Lock  |       |   |
|---------|------------|------------|-------|-------|---|
| Switch  |            |            |       |       |   |
| No.     | Function   |            | Paran | neter | ^ |
| 1       | No Assign  |            |       |       |   |
| 2       | No Assign  |            |       |       |   |
| 3       | No Assign  |            |       |       | ~ |
| Knob    |            |            |       |       |   |
| No.     | Function   |            | Paran | neter |   |
| 1       | No Assign  |            |       |       |   |
|         |            |            |       |       |   |
|         |            |            |       |       |   |
|         |            |            |       |       |   |

The setting dialog that is used to specify the settings for each operator is displayed when the No. icon for the operator (switch or knob) that you want to set is clicked. Assign MTX parameters to each operator in the dialog.

# 30.4.2. DCP component: Settings dialog (switch)

Click the No. icon of the DCP component editor to open it.

| Switch                        |                     |            |             |           |
|-------------------------------|---------------------|------------|-------------|-----------|
| No. F                         | unction             | Parameter  |             | ^         |
| 1 N                           | o Assign            |            |             |           |
| 2 N                           | o Assign            |            |             |           |
| 2 N                           | o Assian            |            |             | ~         |
|                               |                     | +          |             |           |
| 🕙 00 DCP4V4S Settings (Switch | 1)                  | •          |             | ×         |
| Function                      | <b>^</b>            | Parameter1 | ^ Parameter | 2         |
| No Assign                     | Input Ch ON         | CH 1       |             |           |
| MTX ON                        | Fx RTN ON           | CH 2       |             |           |
| MTX Send ON                   | ZONE Out ON         | CH 3       |             |           |
| MTX Priority Ducker ON        | Output Ch ON        | CH 4       |             |           |
| MTX Dugan Automixer           | Input Ch Mute Group | CH 5       |             |           |
| SD Play                       | Zone Out Mute Group | CH 6       |             |           |
| Preset Recall                 |                     | CH 7       |             |           |
| External Event                |                     | CH 8       |             |           |
| MTX Level Inc/Dec             |                     | CH 9       |             |           |
| MTX Send Level Inc/Dec        | ~                   | CH 10      | ~           |           |
|                               |                     |            |             |           |
|                               |                     |            |             |           |
|                               |                     |            |             | OK Cancel |

# Function

# • [No Assign]

Function is not assigned.

#### • [MTX ON / MTX Send ON / MTX Priority Ducker ON / MTX Dugan Automixer]

| Function               | ^            |                     | Parameter1 | Parameter2 |   |
|------------------------|--------------|---------------------|------------|------------|---|
| No Assign              |              | Input Ch ON         | CH 1       |            | _ |
| MTX ON                 |              | Fx RTN ON           | CH 2       |            |   |
| MTX Send ON            |              | ZONE Out ON         | СН 3       |            |   |
| MTX Priority Ducker ON |              | Output Ch ON        | CH 4       |            |   |
| MTX Dugan Automixer    |              | Input Ch Mute Group | CH 5       |            |   |
| SD Play                |              | Zone Out Mute Group | CH 6       |            |   |
| Preset Recall          |              |                     | CH 7       |            |   |
| External Event         |              |                     | CH 8       |            |   |
| MTX Level              |              |                     | CH 9       |            |   |
| MTX Send Level         | $\checkmark$ |                     | CH 10      | ~          |   |

Press the switch to operate the assigned parameter.

# • [SD Play]

|                        | 1.           |                       |                 |   |            |
|------------------------|--------------|-----------------------|-----------------|---|------------|
| Function               | ^            |                       | Parameter1      | ^ | Parameter2 |
| No Assign              |              | SD Song Select & Play | 001 [No Assign] |   |            |
| MTX ON                 |              | SD Song Pause         | 002 [No Assign] |   |            |
| MTX Send ON            |              |                       | 003 [No Assign] |   |            |
| MTX Priority Ducker ON |              |                       | 004 [No Assign] |   |            |
| MTX Dugan Automixer    |              |                       | 005 [No Assign] |   |            |
| SD Play                |              |                       | 006 [No Assign] |   |            |
| Preset Recall          |              |                       | 007 [No Assign] |   |            |
| External Event         |              |                       | 008 [No Assign] |   |            |
| MTX Level              |              |                       | 009 [No Assign] |   |            |
| MTX Send Level         | $\checkmark$ |                       | 010 [No Assign] | ~ |            |

#### • SD Song Select & Play

Plays the file specified in the [Parameter1] list. Refer to "SD Card File Manager" dialog box for playback file settings.

## • SD Song Pause

Press the switch to stop the file being played.

# · [Preset Recall]

Pressing the switch recalls the selected preset.

#### • [External Event]

| Function               |   | Parameter1   | ^ | Parameter2 |
|------------------------|---|--------------|---|------------|
| MTX Dugan Automixer    |   | 01 Event 001 |   |            |
| 5D Play                |   | 02 Event 002 |   |            |
| Preset Recall          |   | 03 Event 003 |   |            |
| External Event         |   | 04 Event 004 |   |            |
| MTX Level              |   | 05 Event 005 |   |            |
| VITX Send Level        |   | 06 Event 006 |   |            |
| MTX Level Inc/Dec      |   | 07 Event 007 |   |            |
| MTX Send Level Inc/Dec |   | 08 Event 008 |   |            |
| MTX Source Select      |   | 09 Event 009 |   |            |
|                        | ¥ | 10 Event 010 | ~ |            |

Press the switch to issue the selected event. Set [External Event] to "External Events" dialog box.

## • [Indicator]

Select whether the switch indicator will display the on/off status (Latch), or light only when the switch is pressed (Unlatch).

#### [MTX Level / MTX Send Level]

| Function               | ^            |                        |                 | Parameter1 | ^       | Parameter2                |     |
|------------------------|--------------|------------------------|-----------------|------------|---------|---------------------------|-----|
| No Assign              | -            | Input Ch               | Level           | CH 1       |         |                           |     |
| MTX ON                 |              | Fx RTN Level           |                 | CH 2       |         |                           |     |
| MTX Send ON            |              | Matrix Out Level       |                 | CH 3       |         |                           |     |
| MTX Priority Ducker ON |              | ZONE Out Level         |                 | CH 4       |         |                           |     |
| MTX Dugan Automixer    |              | Output Ch Level        |                 | CH 5       |         |                           |     |
| SD Play                |              | 1st Priority Mix Level |                 | CH 6       |         |                           |     |
| Preset Recall          |              | 2nd Priority Mix Level |                 | CH 7       |         |                           |     |
| External Event         |              | Input Ch               | DCA Group       | CH 8       |         |                           |     |
| MTX Level              |              | Zone Out               | DCA Group       | CH 9       |         |                           |     |
| MTX Send Level         | $\checkmark$ |                        |                 | CH 10      | ~       |                           |     |
| Parameter Range        |              |                        | Nominal         |            | Knob    |                           |     |
| Upper Limit (dB) 0.0   |              | *                      | Nominal Value ( | dB) 0.0 🗘  | Sensiti | vity Mid                  | ~   |
| Lower Limit (dB)       |              | <b></b>                | Nominal LED Po  | sition 4   | 2 knob  | rotation will adjust leve | el  |
| Mute Enable            |              |                        |                 |            | betwee  | en lower and upper limit  | ίs. |
|                        |              |                        |                 |            |         | eleration                 |     |

When you press the switch, the assigned parameter is automatically assigned to the knob and can be operated with the knob.

This function is only for DCP1V4S.

If you assign this to a switch, the knob will say "Occupied by sw" and will not be assignable to any other parameter. Refer to the Knob section for parameters.

#### [MTX Level Inc/Dec / MTX Send Level Inc/Dec]

| 🛨 00 DCP1V4S Settings (Swit          | ch1          | )                      |            |        |        | ;     |
|--------------------------------------|--------------|------------------------|------------|--------|--------|-------|
| Function                             | ^            |                        | Parameter1 | ,      | Parame | eter2 |
| MTX Priority Ducker ON               | -            | Input Ch Level         | CH 1       |        |        |       |
| MTX Dugan Automixer                  |              | Fx RTN Level           | CH 2       |        |        |       |
| SD Play                              |              | Matrix Out Level       | СН 3       |        |        |       |
| Preset Recall                        |              | ZONE Out Level         | CH 4       |        |        |       |
| External Event                       |              | Output Ch Level        | CH 5       |        |        |       |
| MTX Level                            |              | 1st Priority Mix Level | CH 6       |        |        |       |
| MTX Send Level                       |              | 2nd Priority Mix Level | CH 7       |        |        |       |
| MTX Level Inc/Dec                    |              | Input Ch DCA Group     | CH 8       |        |        |       |
| MTX Send Level Inc/Dec               |              | Zone Out DCA Group     | CH 9       |        |        |       |
| MTX Source Select                    | $\checkmark$ |                        | CH 10      | •      | 1      |       |
| ● Inc                                |              | ⊖ Dec                  |            | Switch |        |       |
| Upper Limit (dB) 0.0<br>Minimum (dB) |              | Lower Limit (dB        |            | Sensit | ivity  | Mid ~ |

#### · [Inc]

If this is selected, the value increases when the switch is pushed. You can set the movable range with Upper Limit/Minimum.

# '[Dec]

If this is selected, the value decreases when the switch is pushed. You can set the lower limit with Lower Limit.

#### • [Mute Enable] check box

If this option is selected, the Mute state  $(-\infty dB)$  will be enabled if the level is lowered below the value specified by [Lower Limit].

#### • [Sensitivity] list box

Sets the sensitivity of parameter changes in response to the downward operation of the DCP switch.

# [MTX Source Select]

This is a source select function that uses the Matrix Mixer component.

Use Input Ch Send ON in combination with Input Ch Send Level.

Specify the send level to be controlled by the switch to which Input Ch Send ON is assigned, and operate that send level with the knob or switch to which Input Ch Send Level is assigned.

#### Input Ch Send ON

| Function               | ^            |                     | Parameter1 | ^      | Parameter2 |  |
|------------------------|--------------|---------------------|------------|--------|------------|--|
| MTX Dugan Automixer    | -            | Input Ch Send ON    | ZONE 1     |        | CH 1       |  |
| SD Play                |              | Input Ch Send Level | ZONE 2     |        | CH 2       |  |
| Preset Recall          |              |                     | ZONE 3     |        | 🗆 СН З     |  |
| External Event         |              |                     | ZONE 4     |        | 🗆 СН 4     |  |
| MTX Level              |              |                     | ZONE 5     |        |            |  |
| MTX Send Level         |              |                     | ZONE 6     |        | ПСН6       |  |
| /ITX Level Inc/Dec     |              |                     | ZONE 7-8   |        |            |  |
| MTX Send Level Inc/Dec |              |                     | ZONE 9     |        |            |  |
| MTX Source Select      |              |                     | ZONE 10    |        |            |  |
|                        | $\checkmark$ |                     | ZONE 11    | $\sim$ | СН 9       |  |

Changes the source (Parameter2) on/off for any output (Parameter1) of the Matrix Mixer component at once. Parameter2 changes its state to "ON", "OFF", and "IGNORE" each time the checkbox is clicked.

Only one source can be turned "ON".

Example:

DODAVIAC

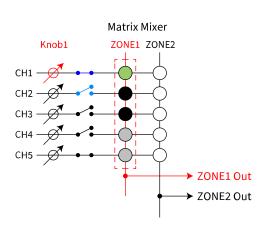
Assign DCP4V4S switches 1 and 2 to [MTX Source Select] > Input Ch Send ON, and knob 1 to [MTX Source Select] > Input Ch Send Level.

They all select the same output (Parameter1).

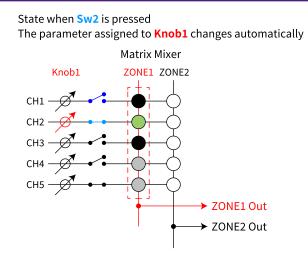
| DCP4V4S                   |       |   |            |            |            |     |            |            |          |
|---------------------------|-------|---|------------|------------|------------|-----|------------|------------|----------|
|                           |       | formation                                 |            | Parameter2 |            |     |            |            |          |
| $1 \bigcirc 1 \bigcirc 2$ |       | function                                  | Parameter1 | CH1        | CH2        | СНЗ | CH4        | CH5        | on 🔵     |
|                           | Sw1   | [MIX Source Select] > Input Ch Send ON    | ZONE1      | $\bigcirc$ |            |     | $\bigcirc$ | $\bigcirc$ | OFF 🔴    |
| $3 \qquad (3) (4)$        | Sw2   | [MIX Source Select] > Input Ch Send ON    | ZONE1      | •          | $\bigcirc$ |     | $\bigcirc$ | $\bigcirc$ |          |
| 4                         | Knob1 | [MIX Source Select] > Input Ch Send Level | ZONE1      |            |            |     |            |            | IGNORE 🔵 |

If switch 1 is pressed, the send level of CH1 for zone 1 is assigned to knob 1.

#### State when Sw1 is pressed



If switch 2 is pressed, knob 1 changes to CH2 send level for zone 1.



Since the switch automatically changes the send level assigned to the knob, you can control the send level of multiple points with a single knob.

#### **Input Ch Send Level**

| 00 DCP1V4S Settings (Swit | ch1 | )                   |            |          | >          |
|---------------------------|-----|---------------------|------------|----------|------------|
| Function                  | ^   |                     | Parameter1 | ^        | Parameter2 |
| MTX Dugan Automixer       | -   | Input Ch Send ON    | ZONE 1     |          |            |
| SD Play                   |     | Input Ch Send Level | ZONE 2     |          |            |
| Preset Recall             | ÷   |                     | ZONE 3     |          |            |
| External Event            |     |                     | ZONE 4     |          |            |
| MTX Level                 |     |                     | ZONE 5     |          |            |
| MTX Send Level            |     |                     | ZONE 6     |          |            |
| MTX Level Inc/Dec         |     |                     | ZONE 7-8   |          |            |
| MTX Send Level Inc/Dec    |     |                     | ZONE 9     |          |            |
| MTX Source Select         |     |                     | ZONE 10    |          |            |
|                           | Y   |                     | ZONE 11    | ~        |            |
| • Inc                     |     | ⊖ Dec               |            | Switch   |            |
| Upper Limit (dB) 0.0      |     | Lower Limit (dB)    | -00        | Sensitiv | ity Mid ~  |
| Minimum (dB) -∞           |     | Mute Enable         |            |          |            |

Select the output (Parameter1) of the Matrix Mixer component.

For usage, refer to [MTX Source Select] in the DCP component: Settings dialog (switch). For parameters, refer to [MTX Level Inc/Dec/MTX Send Level Inc/Dec].

# 30.4.3. DCP component: Settings dialog (knob)

Click the No. icon of the DCP component editor to open it.

| Knob  |  |  |   |     |            |           |
|---|--|--|---|-----|------------|-----------|
| No. Fund<br>1 No A  | tion<br>ssign  | Paramet  | er  |     |            |           |
| 📑 00 DCP1V4S Settings (Knob1                                  | )  |  | ŀ   |     |            | ×         |
| Function  |  |  | Parameter1  | ^   | Parame     | eter2     |
| No Assign<br>MTX Level<br>MTX Send Level<br>MTX Source Select | Input Ch Level<br>Fx RTN Level<br>Matrix Out Lev<br>ZONE Out Lev<br>Output Ch Lev<br>1st Priority Mi<br>2nd Priority M<br>Input Ch DCA<br>Zone Out DCA | vel<br>el<br>x Level<br>ix Level<br>Group        | CH 1<br>CH 2<br>CH 3<br>CH 4<br>CH 5<br>CH 6<br>CH 7<br>CH 8<br>CH 9<br>CH 10 | ~   |            |           |
| Parameter Range<br>Upper Limit (dB) 0.0<br>Lower Limit (dB)   | No   | <b>Vominal</b><br>minal Value (i<br>minal LED Po |   | 最小値 | -<br>を2周回す | きで変化します。  |
|   |  |  |   |     |            | OK Cancel |

#### Function

• [No Assign]

Function is not assigned.

• [MTX Level / MTX Send Level]

| Function             |            |                | Parameter1 | ^        | Parameter2         |            |
|----------------------|------------|----------------|------------|----------|--------------------|------------|
| No Assign            | Input Ch   | Level          | CH 1       |          |                    |            |
| MTX Level            | Fx RTN L   | N Level CH 2   |            |          |                    |            |
| MTX Send Level       | Matrix O   | ut Level       | СН 3       |          |                    |            |
| MTX Source Select    | ZONE OL    | it Level       | CH 4       |          |                    |            |
|                      | Output C   | h Level        | CH 5       |          |                    |            |
|                      | 1st Priori | ity Mix Level  | CH 6       |          |                    |            |
|                      | 2nd Prior  | rity Mix Level | CH 7       |          |                    |            |
|                      | Input Ch   | DCA Group      | CH 8       |          |                    |            |
|                      | Zone Out   | t DCA Group    | CH 9       |          |                    |            |
|                      |            |                | CH 10      | ~        |                    |            |
| Parameter Range      |            | Nominal        |            | Knob     |                    |            |
| Upper Limit (dB) 0.0 | •          | Nominal Value  | (dB) 0.0   | Sensitiv | ity Mid            | ~          |
| Lower Limit (dB)     | <b></b>    | Nominal LED P  | osition 4  | 2 knob i | rotation will adju | ust level  |
| Mute Enable          |            |                |            | betwee   | n lower and upp    | er limits. |

## · [Parameter Range]

Use [Upper Limit] and [Lower Limit] to specify the range in which the level can be varied.

#### • [Mute Enable]

If [Mute Enable] is on, the Mute state ( $-\infty$  dB) will be enabled if the level is lowered below the value specified by [Lower Limit].

# [Nominal]

Here you can make settings for the Nominal function.

By specifying the nominal value, you can assign a specific LED position as the normal volume setting. For example by specifying the center LED as the volume setting for normal use and setting the maximum value to the maximum volume that is allowable for the system, you can prevent damage to the system

that might occur if the volume of the background music were raised during a noisy time.

If the check box is selected, the Nominal function will be on.

[Nominal Value] specifies the nominal value.

[Nominal LED Position] specifies the LED position that will light when the level reaches the nominal value. If the check box is cleared (Nominal function off), both parameters will be grayedout and unavailable.

## • [Sensitivity] list box

Sets the sensitivity of parameter changes in response to the rotary operation of the DCP knob. If [Acceleration] is on, the parameter will change faster if the knob is rotated more rapidly. If [Fast] is selected as the [Sensitivity], the [Acceleration] setting is dimmed and unavailable.

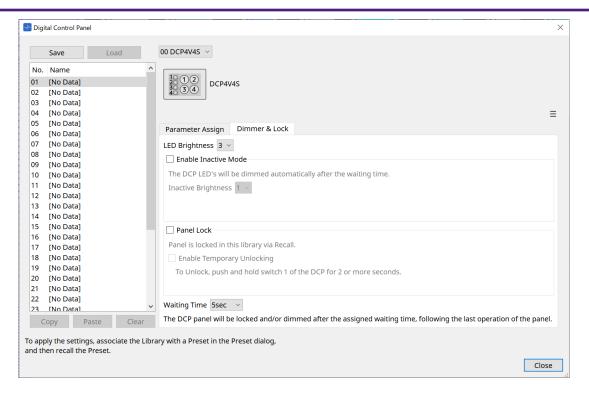
## • [MTX Source Select]

| 😁 00 DCP1V4S Settings (Knob1 | )        |                 |            |         | ×                          |
|------------------------------|----------|-----------------|------------|---------|----------------------------|
| Function                     |          |                 | Parameter1 | ^       | Parameter2                 |
| No Assign                    | Input Ch | Send Level      | ZONE 1     |         |                            |
| MTX Level                    |          |                 | ZONE 2     |         |                            |
| MTX Send Level               |          |                 | ZONE 3     |         |                            |
| MTX Source Select            |          |                 | ZONE 4     |         |                            |
|                              |          |                 | ZONE 5     |         |                            |
|                              |          |                 | ZONE 6     |         |                            |
|                              |          |                 | ZONE 7-8   |         |                            |
|                              |          |                 | ZONE 9     |         |                            |
|                              |          |                 | ZONE 10    |         |                            |
|                              |          |                 | ZONE 11    | ~       |                            |
| Parameter Range              |          | Nominal         |            | Knob    |                            |
| Upper Limit (dB) 0.0         | ▲<br>▼   | Nominal Value ( | dB) 0.0    | Sensiti | vity Mid ~                 |
| Lower Limit (dB) -∞          | -        | Nominal LED Po  | sition 4   | 2 knob  | rotation will adjust level |
| Mute Enable                  |          |                 |            |         | en lower and upper limits. |
|                              |          |                 |            | 🗹 Acc   | eleration                  |

For usage, refer to [MTX Source Select] in the DCP component: Settings dialog (switch). For parameters, refer to [MTX Level / MTX Send Level].

#### • [Dimmer & Lock] tab

This sets the brightness of the LEDs on the DCP unit and the settings for the resting state.



## \* [LED Brightness] list box

Specifies the brightness of the DCP unit's LEDs. Higher values will make the LEDs brighter.

#### [Enable Inactive Mode] check box

If the check box is selected, the unit automatically enters inactive mode after a time duration specified in [Waiting Time].

[Inactive LED Brightness] specifies the brightness of the LEDs when inactive. If the check box is cleared, the drop-down menu is grayed-out and you will be unable to set the brightness.

#### [Panel Lock] check box

If this check box is selected, the DCP panel will be locked when the preset library is recalled. If the [Enable Temporary Unlocking] check box is selected, pressing and holding down DCP switch 1 for two seconds will unlock the panel.

## [Waiting Time]

Specifies the time from the last operation until the unit enters inactive mode or the panel is locked.

#### Menu button

Click this button to execute the following functions.

|         |           |               |            | ≡ |                         |
|---------|-----------|---------------|------------|---|-------------------------|
| Paramet | er Assign | Dimmer & Lock |            |   | Сору                    |
|         | 5         |               | Paste      |   |                         |
| Switch  |           |               | Initialize |   |                         |
| No.     | Function  | Para          | meter      | ^ | Clear[Parameter Assign] |
|         |           |               |            |   |                         |

# [Copy]

Copies the Parameter Assign, Dimmer & Lock, and Source Select of the displayed DCP to the copy buffer.

• [Pastel

Overwrites the Parameter Assign, Dimmer & Lock, and Source Select settings of the same model from the copy buffer onto the displayed DCP.

It is only possible to paste settings that were copied within the same MTX system.

#### [Initialize]

Initializes the Parameter Assign, Dimmer & Lock, and Source Select settings of the displayed DCP.

• [Clear [Parameter Assign]] Initializes the Parameter Assign settings of the displayed DCP.

[Close] button Closes the dialog box.

# 30.5. Setting method for MRX7-D

|   | F | Pro | oje | eci | t  |     |     |    |    | 6  | ļ          | -  | Гu  | In | ir | ŋg |   |    |    |   |   | Ц |    |   |    | R  | X7  | 7- | D  |   |    |   |   |   | 0  | 1 | D  | M  | IE | 7  |    |   |    |    |   |    |   |
|---|---|-----|-----|-----|----|-----|-----|----|----|----|------------|----|-----|----|----|----|---|----|----|---|---|---|----|---|----|----|-----|----|----|---|----|---|---|---|----|---|----|----|----|----|----|---|----|----|---|----|---|
|   | 0 | d.  | սհ  | ы   | цı | Ы   | 10  | 00 | ы  | d. | d.         | ш  | d.  | 2  | 20 | 0, | d | d. | h  | ш | d | d | 30 | 0 | u. | d. | ы   | d  | d. | 4 | 00 | ) | Ы | a | d. | ш | J. | 50 | 0  | d. | d. | ы | u. | d. | 6 | 00 | ) |
| 0 | ŀ |     |     | Co  | ml | pil | e   |    |    | (  | Ga         | ng | g E | d  | it |    |   |    |    |   |   |   |    |   |    |    |     |    |    |   |    |   |   |   | E  | 3 |    |    |    |    |    |   |    |    |   |    |   |
|   |   |     |     |     |    |     |     |    |    |    |            |    |     |    |    |    |   |    |    |   |   |   |    |   |    |    |     |    |    |   |    |   |   |   |    |   |    |    |    |    |    |   |    |    |   |    |   |
| 1 |   |     |     |     |    | :   |     | •  | :  | •  |            | •  | ÷   |    | ÷  | 1  |   |    | ÷  |   | • | • | :  |   | ÷  |    | • • |    |    |   |    | ÷ |   | ÷ | :  | • |    |    | •  |    | :  | • |    |    | • |    |   |
| 8 |   |     |     |     |    | 00  | ) ( | D  | CP | 1\ | <b>V</b> 4 | S  |     | -  | 01 | ł  | D | CF | 24 | S |   | • | 02 | 2 | D( | ΞP | 4\  | 12 | lS |   |    |   | • | • |    |   |    |    |    |    |    |   |    |    |   |    |   |
|   |   |     |     |     |    | :   |     |    |    |    |            |    |     |    | :  |    |   |    |    |   |   | : | :  |   |    |    |     |    |    |   |    | : |   |   | :  |   |    |    |    |    |    |   | :  | l  |   |    |   |
| 1 |   |     |     |     |    | :   | :   |    |    |    |            |    | :   |    | :  | ÷  | l |    | ÷  |   |   | : | :  |   |    |    |     |    |    |   |    | : | : | : | :  |   |    |    |    |    | :  | : | :  | i  |   |    |   |
| 1 |   |     | 1   |     |    | :   | 1   | :  | :  |    |            |    | ÷   | 1  | :  | 1  | 1 | :  | :  | 1 | ÷ | : | :  | : | :  | :  |     |    |    | ÷ | :  | : | 1 | : | :  |   |    |    |    | ÷  | :  | : | :  |    |   | :  | • |
| 1 |   |     |     |     |    |     |     |    |    |    |            |    |     |    | ÷  |    |   |    |    |   |   |   | ÷  |   |    |    |     |    |    |   |    |   |   | ÷ |    |   |    |    |    |    |    |   |    |    |   |    |   |
| 8 |   |     |     |     |    | ÷   | 1   |    |    |    |            |    |     | 1  | Ì  | 1  | 1 | 1  |    | 1 | 1 | 1 | 1  |   | 1  |    |     |    |    |   |    | 1 |   | 1 |    |   |    |    |    |    |    |   | 1  |    |   | -  |   |
| 2 |   |     |     |     |    |     |     |    | •  |    |            |    |     |    |    |    |   |    |    |   |   |   |    |   |    | •  |     |    |    |   |    |   |   |   | •  |   |    |    |    |    |    |   |    | •  | • |    |   |

Double-click the DCP component and configure various settings.

For other operations, refer to the MTX5-D/MTX3 DCP Component Settings.

# 30.5.1. DCP Component Settings

| B r | roject  | 🕂 🛱 Tuning | 01 MRX7-D 01 DME7  |  |       |
|-----|---------|------------|--|--|-------|
|     |         |            | 200 200 400 500  | 600 700 800 900 1000 1100 1200 1300 1400 1   | 500   |
|     | Compile | Gang Edit  | Ø  |  |       |
|     |         |            | Pigital Control Panel  |  | ×     |
| 8   |         | 00 DCP1V4S | Save Load  | 00 DCP1V45 V   |       |
|     |         | 8.8        | No.         Name         ^           01         [No Data]         02         [No Data]           03         [No Data]         04         [No Data] |  | _     |
|     |         |            | 04 [No Data]<br>05 [No Data]<br>06 [No Data]<br>07 [No Data]   | Parameter Assign Dimmer & Lock Source Select<br>Switch                             | Ξ     |
|     |         |            | 08 (No Data)<br>09 [No Data]<br>10 [No Data]<br>11 [No Data]   | No. Function Parameter           No         Function           1         No Assign | ^     |
| 500 |         |            | 12 [No Data]<br>13 [No Data]<br>14 [No Data]<br>15 [No Data]   | 2 No Asign<br>3 No Asign   | v     |
|     |         |            | 16 [No Data]<br>17 [No Data]<br>18 [No Data]<br>19 [No Data]<br>20 [No Data]   | Knob<br>No. Function Parameter<br>1 No Assign                                      |       |
|     |         |            | 21         INo Datal         マ           Copy         Paste         Clear           設定を有効にするためには、PresetジィアログにてLib<br>そのPresetをリコールする必要があります。       | raryをPresetE网達付けた上で、   |       |
|     |         |            |  |  | Close |

Double-click the DCP component to open the component editor.

# [Library]

Up to 32 DCP-related settings can be saved as a [Library]. The Library stores the settings for all DCPs connected to the MRX7-D.



The Library can be used on the DCP itself by recalling it at the same time as the MRX7-D presets. Configure the settings in the dialog that appears when the [Recall Settings] button in the Presets area is pressed.



When the Library is recalled, all DCPs (up to 8 units) connected to the MRX7-D will be recalled at once.

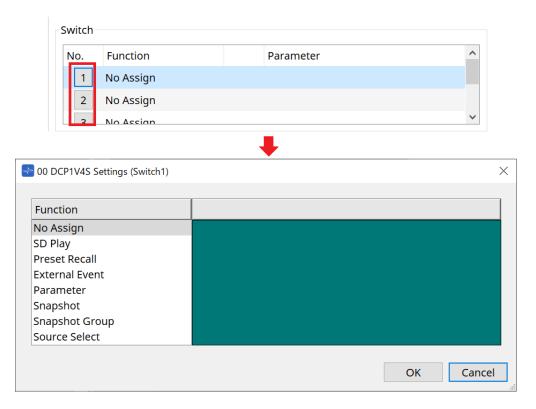
When recalling a Library, any desired DCP can be excluded from the recall. Click on the [Recall Filter] button in the Presets area and set the filter in the dialog that appears.

For other operations, refer to the MTX5-D/MTX3 DCP Component Settings.

# 30.5.2. [Parameter Assign] Tab

# 27.5.2.1 Settings Dialog (Switch)

Click the No. icon in the DCP component editor to display the Settings dialog.



Refer to the DME Settings Dialog (Switch). The differences compared to the DME are listed below.

# [Snapshot Recall]

[Snapshot Group Recall] [Preset Recall]

| Registration Source | Registration Method  |
|---------------------|--|
| Parameter Sets Area | Drag & drop the snapshot into the green area of the Settings dialog.<br>Drag & drop the snapshot group into the green area of the Settings dialog. |
| Presets Area        | Drag & drop the preset into the green area of the Settings dialog.   |

# [Parameter]

| Registration Source | Registration Method   |
|---------------------|---|
| Component Editor    | While holding the < Ctrl > key down, drag & drop the parameter into the green area of the Settings dialog.    |
| Link Control Editor | While holding the < Ctrl > key down, drag & drop the Link Control into the green area of the Settings dialog. |
| Parameters Area     | Drag & drop the parameter into the green area of the Settings dialog.   |



[Control Type] cannot be set.

## [MRX Source Select]

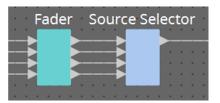
This function allows you to change the source of the Source Selector component using the switch, and to change the levels related to the source using the knob. Use a configuration that combines the Source Selector

component and Fader component.

Assign Function: Source Selector to both the switch and the knob.

#### **Procedure**

1. Add a Fader component and a Source Selector component to the device sheet and connect them.



2. Select one of the Source Selector components being placed in the Source Select tab of the DCP component editor.

| Save   | Load                         | 00 DCP1V45 🗸 🗸      |                    |                            |  |   |
|--|------------------------------|---------------------|--------------------|----------------------------|--|---|
| No. Name<br>(No Da<br>(No Da<br>(No Da<br>(No Da<br>(No Da<br>(No Da<br>(No Da | nta]<br>nta]<br>nta]<br>nta] | DCP                 | 1V4S<br>Dimmer & L | nck Source Select          |  | = |
| 06 [No Da<br>07 [No Da<br>08 [No Da<br>09 [No Da<br>10 [No Da                  | ata]<br>ata]                 | Assign a "Source Se | ector" Compor      | ent for use with this D    | CP.<br>Ib to assign sources to DCP controls. |   |
| 1 [No Da<br> 2 [No Da<br> 3 [No Da<br> 4 [No Da                                | ata]<br>ata]<br>ata]         |                     |                    | Type<br>SourceSelector_4x1 |  |   |
| 15 [No Da<br>16 [No Da<br>17 [No Da<br>18 [No Da                               | ata]                         |                     |                    |                            |  |   |
| 19 [No Da<br>20 [No Da   | atal 🗸                       |                     |                    |                            |  |   |
| Сору   | Paste Clear                  |                     |                    |                            |  |   |

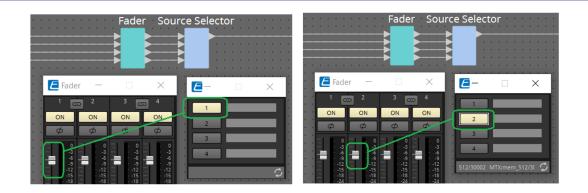
3. Assign the source for the Source Selector component to the switch.

| nction      |               | Component       | Parameter1 |
|-------------|---------------|-----------------|------------|
| Assign      | Source Select | Source Selector | 1          |
| Play        | Inc / Dec     |                 | 2          |
| set Recall  |               |                 | 3          |
| ernal Event |               |                 | 4          |
| ameter      |               |                 |            |
| pshot       |               |                 |            |
| pshot Group |               |                 |            |
| ce Select   |               |                 |            |
|             |               |                 |            |

4. Assigns the level for the fader component connected to the Source Selector component to the knob. When a source is selected, assign the level parameter output from the Source Selector component by dragging & dropping it into the green area. Set for each source.

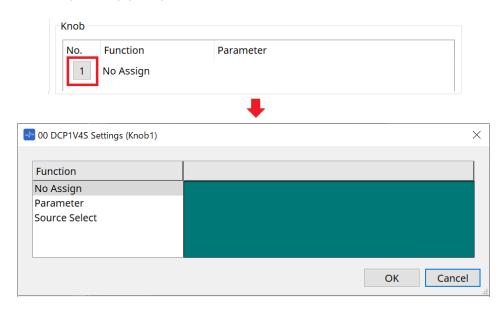
| Function                   |   | Component       | Paramete | er1   |
|----------------------------|---|-----------------|----------|-------|
| No Assign                  | Source Select                                       | Source Selector | 1        |       |
| 5D Play                    | Inc / Dec   |                 | 2        |       |
| Preset Recall              |   |                 | 3        |       |
| xternal Event              |   |                 | 4        |       |
| arameter                   |   |                 |          |       |
| napshot                    |   |                 |          |       |
| napshot Group              |   |                 |          |       |
| ource Select               |   |                 |          |       |
| NC/DEC Level Control can b | e individually assigned p<br>rag-and-drop MRX7-D pa |                 |          | Clear |
|                            |   |                 |          |       |
|                            |   |                 |          |       |
|                            |   |                 |          |       |
|                            |   |                 |          |       |

For example, if you select source 1 with switch 1, 1Ch of the Fader component will be assigned to knob 1, and if you select source 2 with switch 2, 2Ch of the Fader component will be assigned to the same knob 1.



### 27.5.2.2 Settings Dialog (Knob)

Click the No. icon in the DCP component editor to display the Settings dialog. Refer to the DME Settings Dialog (Knob).



The differences compared to the DME are listed below.

## [Parameter]

| Registration Source | Registration Method   |
|---------------------|---|
| Component Editor    | While holding the < Ctrl > key down, drag & drop the parameter into the green area of the Settings dialog.    |
| Link Control Editor | While holding the < Ctrl > key down, drag & drop the Link Control into the green area of the Settings dialog. |
| Parameters Area     | Drag & drop the parameter into the green area of the Settings dialog.   |

# [MRX Source Select]

Refer to MRX Source Select in "Settings Dialog (Switch)."

# 30.5.3. [Dimmer & Lock] Tab

Refer to the MTX5-D/MTX3 Dimmer & Lock Tab.

# 30.5.4. [Source Select] Tab

Select one of the Source Selector components placed on the device sheet. For a description of the functions, refer to "Settings Dialog (Switch)."

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