⊛YAMAHA

MOTIF XS Editor
Owner's Manual

Contents

- Copying of the commercially available music sequence data and/or digital audio files is strictly prohibited except for your personal use.
- The software and this owner's manual are exclusive copyrights of Yamaha Corporation.
- Copying of the software or reproduction of this manual in whole or in part by any means is expressly forbidden without the written consent of the manufacturer.
- Yamaha makes no representations or warranties with regard to the use of the software and documentation and cannot be held responsible for the results of the use of this manual and the software.
- The screen displays as illustrated in this Owner's Manual are for instructional purposes, and may appear somewhat different from the screens which appear on your computer.
- The company names and product names in this Owner's Manual are the trademarks or registered trademarks of their respective companies.
- Click on the red-colored text to jump to the related item in this manual.

This owner's manual assumes that you are already familiar with basic Windows/Macintosh operations. If you are not, please refer to the owner's manual which came with your Windows/Macintosh software before using the MOTIF XS Editor.
For information about hardware requirements, the interconnection of devices and the installation of the MOTIF XS Editor software, refer to the separate Installation Manual as well as the Owner's Manual for the respective MIDI device.

What is the MOTIF XS Editor?

MOTIF XS Editor is a convenient tool which lets you edit and save the various parameters of your MOTIF XS tone generator. These include Voice and Mixing parameters (edited in the Voice or Mixing mode of the MOTIF XS) such as Volume, Pan, EG, and Cutoff and other settings. Thanks to its easy-to-understand graphical interface, you can edit various parameters of the MOTIF XS right from your computer—using the mouse to adjust the virtual knobs, sliders, and buttons and entering values from the computer keyboard. Finally, all the changes you have made can be saved to your computer or transmitted to the MOTIF XS instrument.

You can use this MOTIF XS Editor as a plug-in for the software below

- Studio Manager
- DAW application software compatible with Studio Connections

Studio Manager

Studio Manager V2 is a cross-platform application that enables you to start multiple Editors for controlling Yamaha hardware products remotely, and to save multiple Editor settings. You can run Studio Manager as a stand-alone application, or as a plug-in within DAW applications compatible with Studio Connections such as Cubase 4 or Cubase AI 4.

For more information, refer to the Studio Manager PDF manual.

Studio Connections

Studio Connections is a joint project begun by Steinberg and Yamaha. Music production systems now increasingly rely on both software and hardware, and there is a pressing need for closer integration between the two. Studio Connections provides a comprehensive and seamless music production environment—making the use of hardware and software both easier and much more efficient. The following functions are available in Studio Connections.

Recall

With the Recall function, all settings in each Editor can be saved within Studio Manager, and then called up again when needed. This enables you to recall all the settings of multiple devices from Studio Manager and control the entire system easily, instantly and automatically.

> When executing the Recall function in the Studio Manager, the parameter settings of either device (MOTIF XS or DAW software on a computer) are synchronized with the other. You can determine which device (MOTIF XS or DAW software) is regarded as the master of the parameter settings by setting the Auto Sync Setting ().

Recall is especially convenient when used with a DAW application compatible with Studio Connections. This lets you save the Editor data directly to the project file of the DAW letting you recall all necessary hardware settings automatically by simply opening the project file.

Audio Integration

Plug-in software such as software synthesizers and software samplers are exceptionally convenient in that they let you easily change the various settings and parameters within the host application. However, control over hardware is not so easy—with the need for various setups such as audio connections, driver settings and MIDI port connections.

By using a Studio Connections-compatible DAW software, you can control the external hardware synthesizer within the application, without the need to set up complex connections within a DAW software application—just as easily and conveniently as you would with plug-in software. The Audio Integration function makes all this possible. For details about Recall and Audio Integration, visit our web site at:

http://www.studioconnections.org/

About Open Plug-in Technology

Open Plug-in Technology (OPT) is a software format that enables you to control MIDI devices from a music DAW application software. For example, this allows you to start up and operate various parts of your music system, such as voice editors of the synthesizer and mixing control editors—directly from an OPT-compatible software, without having to use each separately. OPT also makes it unnecessary to set MIDI drivers for each application, streamlining your music production system and making all operations more convenient and seamless.

In addition to the original OPT, Open Plug-in Technology Version 2 (OPT 2), designed for Studio Connections, is also available. The host application Studio Manager supports OPT 2.

About the OPT 2 Overview

OPT 2 is a plug-in format that enhances OPT Level 1 (Panels) and adds some convenient functions for Studio Connections.
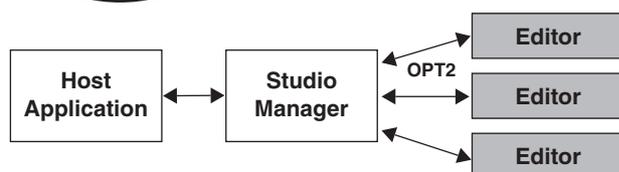
Plug-in software compatible with OPT 2 is indirectly connected to the DAW application compatible with Studio Connection, via the Studio Manager.

Data Structure of the MOTIF XS Editor

The MOTIF XS Editor lets you create the following data and save them as a single file (extension: X0E).

- Current Global data (latest status of edited global parameters)
- Current data in the Voice mode (latest status of edited Voice)
- Current data in the Song/Pattern mode (consisting of Mixing setup, latest status of edited Voice and 16 Mixing Voices)
- User Voice data (consisting of three Normal Voice Banks and one Drum Voice Bank)

Current settings includes the latest settings of the Common and Element parameters for the Voice last assigned to each of Parts 1 – 16, as well as Mixing parameter settings such as Voice assignment, pan, volume and effect for each Part. Among the Voice Banks, only the Mixing Voice Bank data belongs to the Current settings. The MOTIF XS Editor lets you edit parameters (including Element parameters) of the Voice assigned to each Part and save the latest edit status as a file without storing it as a User Voice or a Mixing Voice. This means that you can easily recall the latest status of the previous edit simply by opening the file.

♪ NOTE The MOTIF XS Editor handles the Global data which includes some of the parameters shown on the "G" row in the Mixer section and all the parameters in the Global Settings of the Parameter Category section (pages 20 and 23).

The diagram illustrated below indicates the structure of the data created via the MOTIF XS Editor, the structure of the data stored in the internal memory of the MOTIF XS instrument and the relationship between those two types of data.
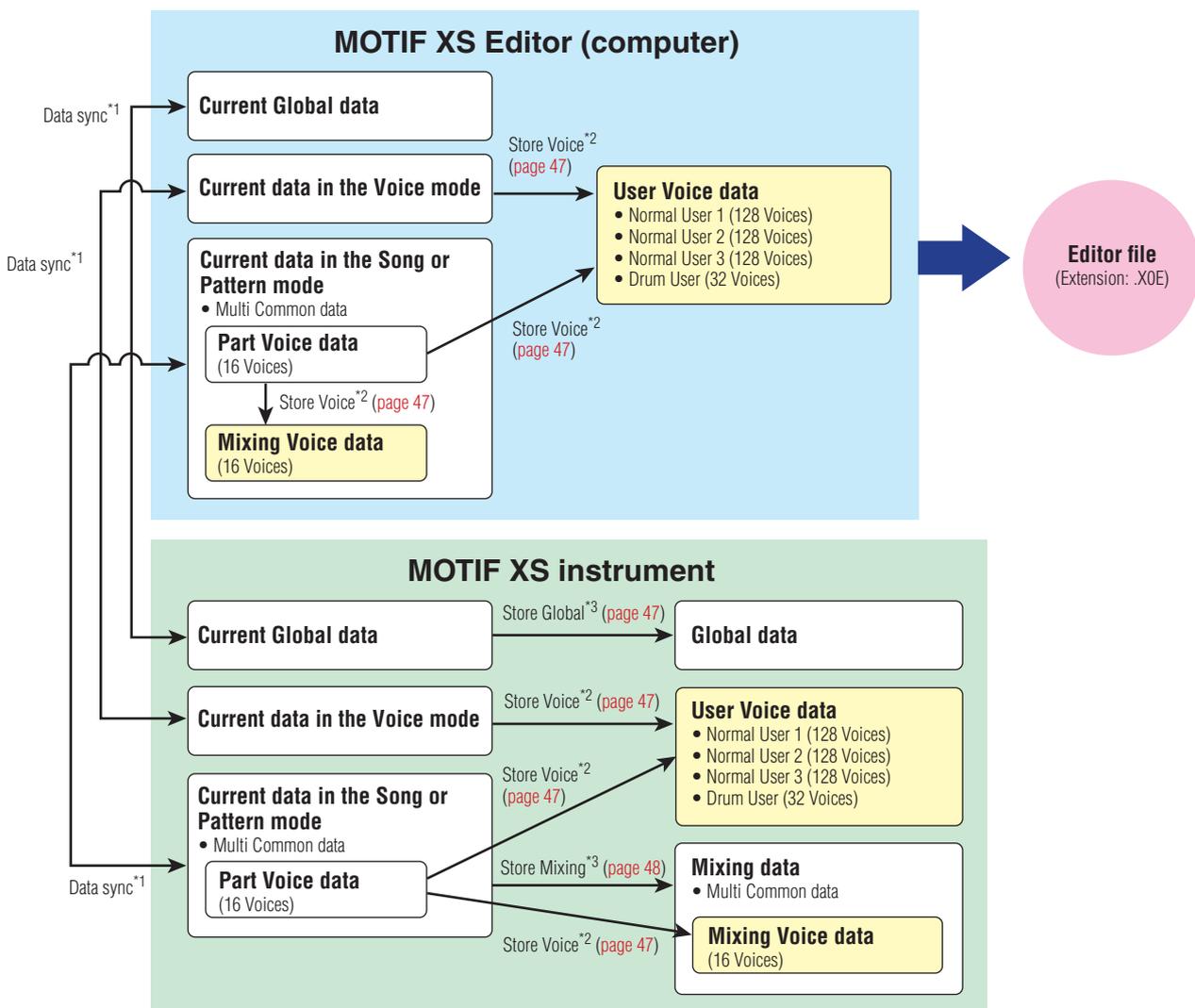
*1 When the MOTIF XS instrument is connected to the computer properly with the ONLINE status, editing a parameter on the MOTIF XS Editor affects the same parameter on the MOTIF XS itself, and vice versa.

*2 The Store Voice operation on the Editor will store the Voice data to the memory of the MOTIF XS instrument as well as the memory of the Editor.

*3 The Store Global operation and Store Mixing operation will store the data only to the memory of the MOTIF XS instrument.

Starting the MOTIF XS Editor

Install the driver (USB-MIDI driver or AI driver), Studio Manager and MOTIF XS Editor by following the respective Installation Guides, then install the host application such as Cubase if necessary. After making the required connection and setting the MIDI IN/OUT parameter to "USB" or "mLAN" in the Utility mode, follow the instructions below to start the MOTIF XS Editor.

NOTE For details about connection between the MOTIF XS and a computer, refer to the Owner's Manual of the MOTIF XS.
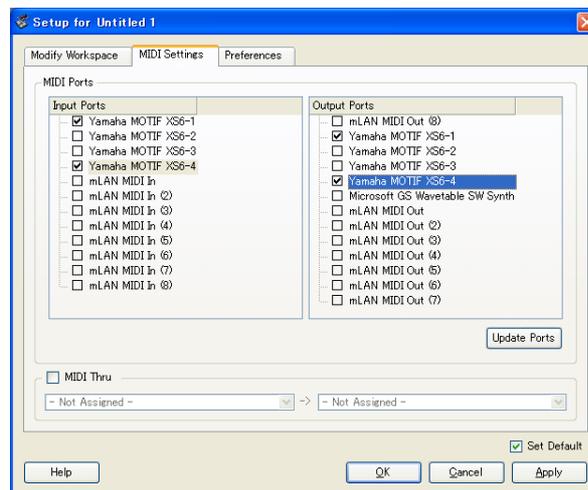
1. **Start the Studio Manager.**

Studio Manager can be started as a plug-in within a Studio Connections-compatible DAW software, or can be started as a stand-alone application.

2. **Set the MIDI Ports.**

When starting Studio Manager as a stand-alone application:

Set the MIDI Ports by calling up the MIDI Ports window via [File] → [Setup] ([SM2] → [Preference] for Mac) → [MIDI Settings]. When the connection is done via a USB cable, enter the checkmarks to the boxes of Ports 1 and 4 for the MOTIF XS in both the Input Ports and the Output Ports, as illustrated below. When connection is made via the IEEE1394 cable, enter checkmarks to the boxes of the Ports corresponding to the mLAN MIDI In and the mLAN MIDI Out of the MOTIF XS, in both the Input Ports and the Output Ports.

When starting Studio Manager as a plug-in:

Set the MIDI Ports on the DAW application. For details, refer to the manual of your DAW application. When connecting the MOTIF XS to a computer via a USB cable, the MIDI Ports are automatically set simply by starting Studio Manager from Cubase 4 or Cubase AI 4. This is also true when connecting the MOTIF XS to a computer via an IEEE1394 cable and installing "Extensions for Steinberg DAW" to the computer.

3. **Start the MOTIF XS Editor from the window of the Studio Manager.**

For details, refer to the Installation Guide and the PDF manual of the Studio Manager.
When using Studio Manager as a plug-in with the Audio Integration features of Studio Connections (within a compatible DAW), you can start the MOTIF XS Editor just as you would any other software synthesizer. For details, visit the following web site.

http://www.studioconnections.org/

An Example of MOTIF XS Editor in Use

There is no single way to use the many components in the MOTIF XS Editor. Your editing needs and preferences may differ; however, the following example gives you a simple step-by-step guide in how to use the MOTIF XS Editor. As an example, this section explains how to edit a Voice in the Voice mode, edit a Mixing program in the Song mode, then store the edited data to the memory of the MOTIF XS instrument and save the final results of your editing to a file.

♪ NOTE If the [Song] or [Pattern] indication (at the top left of the display) is on, perform the instructions below from step 1. If the [Voice] indication is on, perform the instructions below from step 2.

1. **Change the mode to the Voice mode by clicking the [Voice] indication (at the top left of the display).**

If the [ONLINE]/[OFFLINE] indication is set to [ONLINE] before changing the mode, the Auto Sync window will be called up automatically when this step is executed. As step 2 is thus unnecessary, you should proceed to step 3.

2. **Click the [OFFLINE] to call up the Auto Sync window if the [ONLINE]/[OFFLINE] indication is set to [OFFLINE].**

3. **On the Auto Sync window, set communication-related parameters such as Input Port, Output Port and Device Number in the Data Port section, then set the direction of Data Auto Synchronization (Global, Current and Voice) in the Auto Sync Setting section.**

When you want to use the settings on the MOTIF XS itself as starting data for editing, set the boxes of Global, Current and Voice in the Auto Sync Setting to on so that the data flows from the instrument to the computer. To use the settings on the MOTIF XS Editor as starting data, set both Global, Current and Voice to the opposite, so that the arrow indicates data flow from the computer to the keyboard. For details, see page 39.


⚠ CAUTION

Keep in mind that when you set Global, Current and User Voice to On, enable data sync from the computer to the MOTIF XS (instrument), and then click the [Start] button at the bottom, this operation transmits these types of data currently on the Editor to the MOTIF XS itself, automatically overwriting and erasing all the corresponding data already existing on memory of the MOTIF XS instrument. When you want to use the settings on the MOTIF XS itself as starting data for editing, set the boxes of Global, Current and Voice in the Auto Sync Setting to on so that the data flows from the instrument to the computer.

⚠ *CAUTION*

Regarding the data transfer for synchronization, the setting here takes precedence over that specified in Studio Manager. Make sure to set the desired data transfer direction, regardless of the setting on the Studio Manager, in order to avoid data loss.

4. **From the Auto Sync window, click [Start] at the bottom.**

The data synchronization will be started if the Port settings are correct. As soon as data synchronization is completed, the Auto Sync window is closed, then the OFFLINE indication is changed to ONLINE indication automatically. In this ONLINE status, editing a parameter on the MOTIF XS Editor affects the same parameter on the MOTIF XS itself, and vice versa.
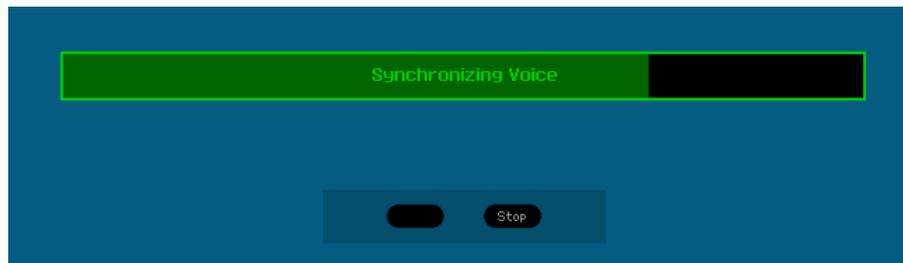
5. **Edit the Voice in the Voice mode.**

5-1 **On the "V" row of the Voice section, click the Bank name or Voice name to call up the VOICE LIBRARY window.**
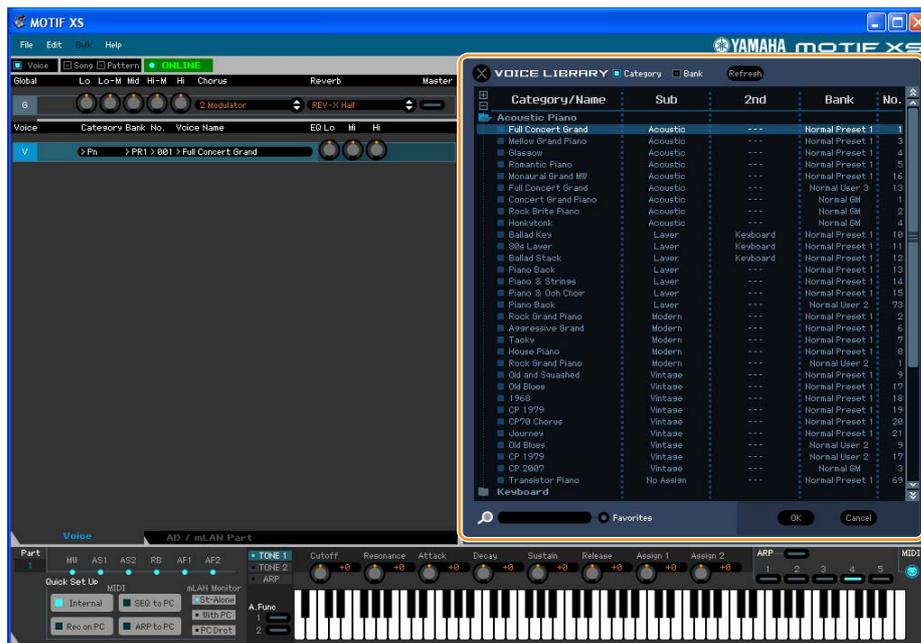
5-2 **From the list in the VOICE LIBRARY, select the desired Voice to assign it temporarily to the current Part.**

You can confirm the sound of the selected Voice by clicking any note on the virtual keyboard or the MOTIF XS keyboard.

5-3 **Click the Voice name or [OK] at bottom right of the window to close the VOICE LIBRARY window.**

You can cancel the Voice selection by clicking the Close (X) button or [Cancel] button at bottom right of the window. By executing this operation, the Voice selection is reset to the original status and the VOICE LIBRARY window closes.

⚠ **CAUTION**

When a different Voice has been selected, your edits of the previously selected Voice will be lost. If you want to store the edits, make sure to store the Voice by using the Store window (page 47) before changing the Voice.

5-4 Edit the Voice parameters as desired.

Edit the parameters (EQ, chorus, reverb, etc.) in the "V" row by clicking them.

To confirm how the parameter edit affects the Voice sound, click any note on the virtual keyboard or the MOTIF XS keyboard.

To make detailed settings of the selected Voice, click the arrow button ◐ at the top of the right panel next to the main window to call up the Detailed Parameter section.

6. Store the edited settings as a User Voice, as necessary.

6-1 Click [Store Voice] under [Edit] in the menu bar to open the Store window (page 47).

6-2 Select a Voice Bank from the following list:
- Normal User 1
- Normal User 2
- Normal User 3
- Drum User

📝 **NOTE** Normal User 1 – 3 are shown in the Store window when editing the Normal Voice while Drum User is shown in the Store window when editing the Drum Voice.

6-3 **Open the selected Bank, select the desired number as destination, then enter the name of the Voice in the box at the top of this window.**

6-4 **Click [Store] to store the edited Voice to the selected number in the selected Bank.**
Performing this operation will store the Voice data to the User Voice Bank in the MOTIF XS instrument as well as that within the Editor.

⚠ *CAUTION*

When you execute the Store operation, the settings for the destination memory (of both the Editor and instrument) will be overwritten. Select the destination Voice number carefully to prevent important data from being erased accidentally.
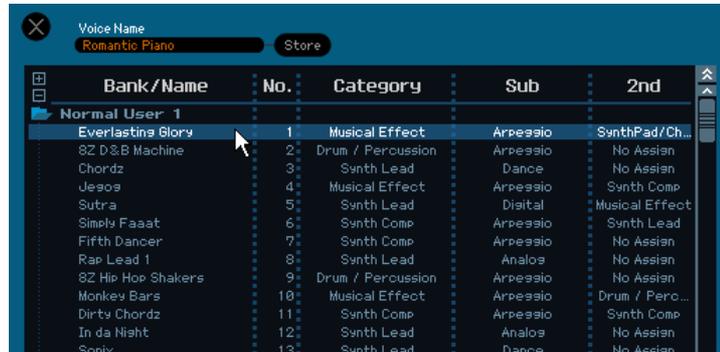
🎵 **NOTE** You can store the settings of the parameters in the "G" row by clicking [Store Global] under [Edit] in the menu bar.

**7.** **Edit the Mixing parameters in the Song mode.**
This section explains how to edit a Mixing program in the Song mode.

7-1 **Change the mode to the Song mode by clicking [Song] of the [Voice]/[Song]/[Pattern] indication.**
The Auto Sync window appears automatically.

7-2 **From the Auto Sync window, click [Start] at the bottom.**
Data synchronization will be started if the Port settings are correct. As soon as data synchronization is completed, the Auto Sync window is closed.
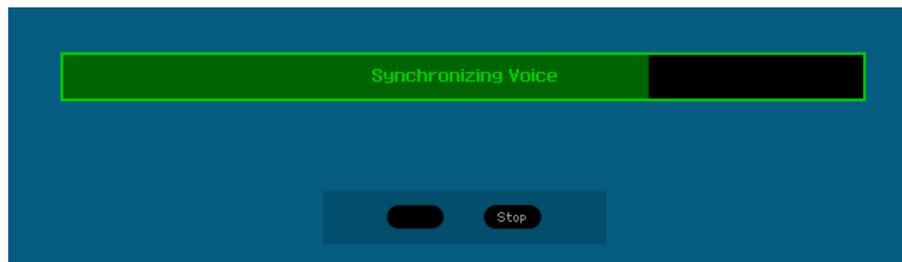
7-3 **Edit the parameters of the Mixing and Voice assigned to each Part.**

If you want to change the parameter values from the original ones of the selected Song or Pattern, click (drag and drop) each of the parameters such as EQ and effect lined up to the right of "G" in the Global/ Multi section and "1" – "16" in the Part section.

To confirm how the parameter edit affects the Voice sound, click any note on the virtual keyboard.

To make detailed settings of the selected Multi, click the arrow button ◐ at the top of the right panel next to the main window to call up the Detailed Parameter section.

♪ NOTE The MOTIF XS Editor lets you edit the Voice parameters in the Song or Pattern mode as well as Voice mode. In the Voice mode, you can edit only the selected Voice. In the Song or Pattern mode, on the other hand, you can edit the parameters of the Voice assigned to each Part as well as the Mixing parameters. The edited Voice can be stored to the same Voice Bank as a User Voice regardless of the mode used for editing.

8. **Store the edited Voice or a Mixing, as necessary.**

8-1 **On the MOTIF XS instrument, press the [STORE] button to call up the Mixing Store window, select the destination, then press the [ENTER] button to store the edited Mixing.**
For details, refer to the Owner's Manual of the MOTIF XS.

NOTE You can store the edited Mixing also by selecting [Store Mixing] under [Edit] in the menu bar. Note that this operation does not allow you to select the Song as destination and the edited Mixing will be stored to the currently selected Song.

8-2 **Select the Part to which the desired Voice is assigned, select [Store Voice] under [Edit] in the menu bar to call up the Store window (page 47) then store the Voice via the same operations as in steps 6-1, 6-2, 6-3 and 6-4.**

9. **Select [Save] or [Save As] under [File] on the menu bar to save the edited data as a file (extension: *.X0E).**
All the settings you made and the Voice data you stored to the User Banks will be saved as a single file (extension: X0E). When you open this file next time to call up the Auto Sync window, click [Start] to synchronize the status of the parameter settings between the MOTIF XS Editor and the MOTIF XS instrument.

- When starting the MOTIF XS Editor from Studio Manager, you can save the MOTIF XS Editor data into a Document file of Studio Manager.
- When using DAW (digital audio workstation) software compatible with Studio Connections and the Studio Manager together, the MOTIF XS Editor data can be saved into a project file of the DAW.

MOTIF XS Editor Window

Overall section
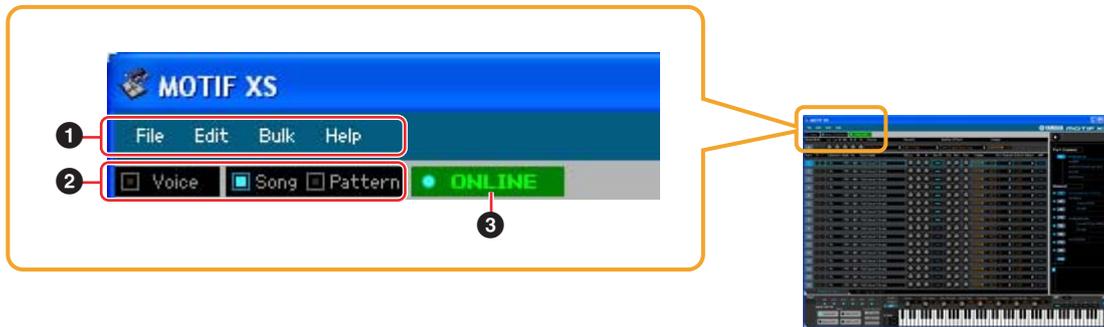
❶ File, Edit, Bulk, Help

Refer to page 36.

❷ Voice/Song/Pattern mode

Determines the mode of the MOTIF XS, Voice, Song or Pattern. As soon as "Voice," "Song" or "Pattern" is selected here, the mode of the MOTIF XS instrument changes accordingly and the Auto Sync window (page 51) opens. After setting parameters as necessary on this window, click [Start] to execute data synchronization between the MOTIF XS Editor and the MOTIF XS instrument.

❸ ONLINE/OFFLINE

Clicking this switches the status of the Editor between "ONLINE" and "OFFLINE." When "ONLINE" is indicated, the edited status is completely synchronized between the MOTIF XS Editor and the MOTIF XS instrument, meaning that any parameter edit you make on the MOTIF XS Editor is reflected in the same parameter on the MOTIF XS instrument and vice versa. When OFFLINE is selected, editing on the MOTIF XS Editor will not affect the MOTIF XS instrument and vice versa even if the MOTIF XS instrument is connected to a computer.

Note that the indication here is automatically changed according to the status of communication between the MOTIF XS Editor and the MOTIF XS instrument. For example, the ONLINE status changes automatically to OFFLINE when the cable is disconnected accidentally.

① ● ONLINE

Indicates that the current status is set to ONLINE. Clicking this calls up OFFLINE (②) described below. Keep in mind that the ONLINE indication cannot be enabled when the MIDI Port is not set properly or the MOTIF XS instrument is not properly connected to a computer.

② ● OFFLINE

This OFFLINE indication shows that the MIDI Port is set properly and the MOTIF XS is properly connected to a computer. Clicking this calls up the Auto Sync window. From the Auto Sync window, you can synchronize the settings between the MOTIF XS Editor and the MOTIF XS by clicking the [Start] button. As soon as data synchronization is completed, the Auto Sync window is closed and the status of the Editor changes from OFFLINE to ONLINE.

NOTE When the Global, Current and Voice settings are set to "Off" and Auto Start is set to "On" in the Auto Sync window, clicking here changes the Editor status from OFFLINE to ONLINE without opening the Auto Sync window.

③ ● OFFLINE

This OFFLINE indication shows that the MIDI Port is not set properly or the MOTIF XS instrument is not connected to a computer properly. Clicking this calls up the Auto Sync window. After making sure to connect the MOTIF XS instrument to a computer, set the MIDI Port properly then click the [Start] button in the Auto Sync window to execute data synchronization between the MOTIF XS Editor and the MOTIF XS instrument. As soon as data synchronization is completed, the Auto Sync window is closed and the status of the Editor is changed from OFFLINE to ONLINE.

Mixer section (when the Voice/Song/Pattern is set to "Voice")
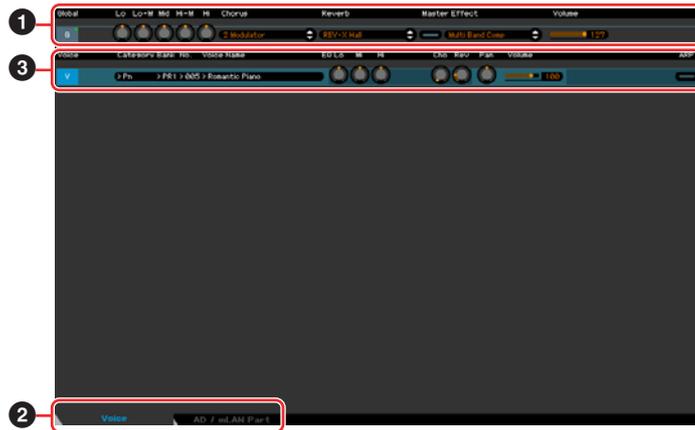
❶ Global

This strip lets you edit the main parameters in the Voice mode, such as effect-related ones. Clicking "G" turns this section on as illustrated below.
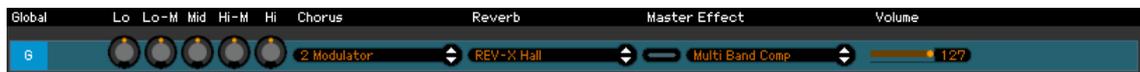
📝 **NOTE** When editing any of the Global parameters described below, a small square appears at the top right of the "G" box until you save the edited data as a file. This indication is the same as the green [F] indicator (page 25).

Before editing

After editing

Lo, Lo-M, Mid, Hi-M, Hi (Master EQ)

Edits the Master EQ parameters.

Chorus

Selects the Chorus type.

Reverb

Selects the Reverb type.

Master Effect

Turns the Master Effect on or off and selects the Master Effect type.

Volume

Adjust the entire volume.

❷ [Voice]/[AD/mLAN Part] tab

Selects the Parts to be edited from [Voice] and [AD/mLAN Part]. The illustration below indicates that the [Voice] tab is active.
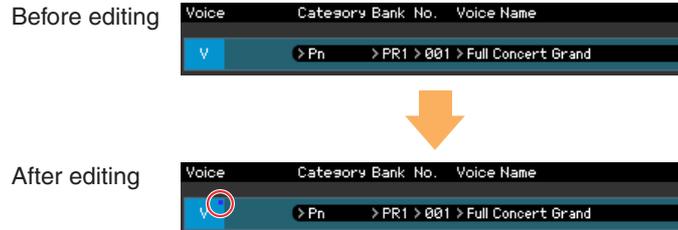
❸ Voice

When the [Voice] is selected:

Edits the Voice parameters. Clicking the "V" row turns this section on as illustrated below.


> **NOTE** When editing any of the Voice parameters described below, a small square appears at the top right of the "V" box until you save the edited data as a file or you store the edited data as a Voice. This indication is the same as the blue [V] indicator (page 28).

Before editing

After editing

Category, Bank, No., Voice Name

Indicates the Category Bank and name of the Voice. When clicking here, the VOICE LIBRARY window appears at the right half section, letting you select a different Voice for editing.

VOICE LIBRARY
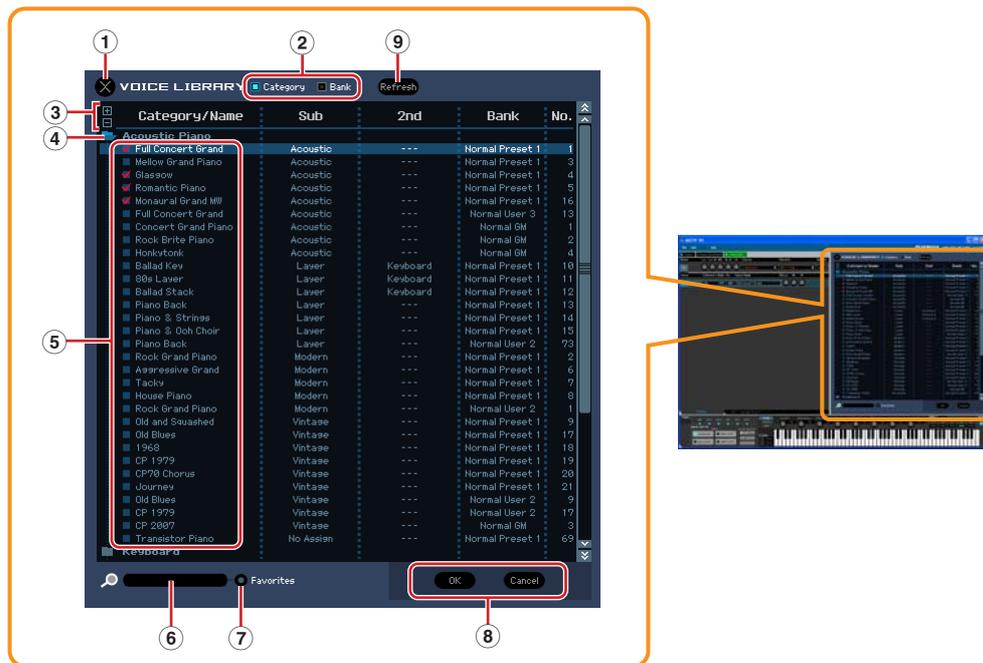
① Close button

Click this to close this window without applying the changes to the MOTIF XS Editor.

② [Category]/[Bank] checkboxes

Click either of these boxes to determine whether the Voices listed here are divided into Category folders or Bank folders.

③ [+]/[–] buttons

Click the [+] button to open all the folders so that all Voices appear in all folders. Click the [–] button to close all folders.

④ Folder (Category or Bank)

Click each folder to open or close it.

⑤ **Voices**

Indicates the Voices included in the folder. You can select the Voice temporarily by clicking it. When double-clicking a Voice, the Voice is actually selected and this window closes. You can also copy the Preset Voice(s) and User Voice(s) from the original location to any location in the User Bank by dragging-and-dropping the Voice(s). In the User Bank, you can rearrange the Voices by dragging-and-dropping the Voice(s) to a new location.

When the Category checkbox is entered, a checkbox is shown at left of each Voice. If you enter checkmarks to the checkboxes of your most-used or favorite Voice, you can call up a list of these Voices on the VOICE LIBRARY by setting the [Favorites] checkbox to on.

NOTE Selecting, copying, pasting or dragging-and-dropping multiple Voices is done in the same way as normal on your computer OS.

NOTE By right-clicking this section and selecting a menu, you can use the following functions.
- Opening/closing all the folders
- Determining whether the Voices listed here are divided into Category folders or Bank folders.
- Copying/pasting
- Changing the Voice name
- Deleting all the checkmarks of the Favorites checkboxes at left of the Voices

⑥ **Search Box**

You can search for your desired Voice by inputting a keyword here.

⑦ **[Favorites] checkbox**

By entering the checkmark to this checkbox, you can call up a list of your favorite Voices on the VOICE LIBRARY. You can select your favorite or most-used Voices for this list by entering checkmarks to the appropriate checkboxes (appearing only when the [Category] checkbox is entered) at the left of each Voice.

⑧ **[OK]/[Cancel] buttons**

Click the [OK] button to apply the settings and close this window. Click the [Cancel] button to quit without applying the Voice selection.

⑨ **Refresh**

When the VOICE LIBRARY is shown in the Editor and you store the Voice(s) on the MOTIF XS itself, the name(s) of the Voice(s) in the VOICE LIBRARY may be different from the Voice name(s) on the MOTIF XS. If this happens, click this button to update the Voice names of the VOICE LIBRARY.

EQ Lo, Mi, Hi (Part EQ)

Adjusts the equalizer settings for the current Voice.

Cho, Rev, Pan (Chorus, Reverb, Pan)

Adjusts the Chorus Send level, Reverb Send level and stereo Pan position for the current Voice by using the graphic knobs.

Volume

Adjusts the volume of the current Voice.

ARP (Arpeggio)

Turns Arpeggio playback on or off for the current Voice.

When the [AD/mLAN Part] is selected:

This section lets you edit parameters for the AD/mLAN Part in the Voice mode. Clicking "AD" or "mLAN" row turns this section on as illustrated below.

Cho, Rev, Pan (Chorus, Reverb, Pan)

Adjusts the Chorus Send level, Reverb Send level and stereo Pan position for the AD/mLAN Part in the Voice mode by using the graphic knobs.

Volume

Adjusts the Volume for the AD/mLAN Part.

Output Select

Determines the specific output(s) for the AD/mLAN Part.

LCD	Output jacks	Stereo/Mono
L&R	OUTPUT L and R	Stereo
asL&R	ASSIGNABLE OUTPUT L and R	Stereo
m1&2	mLAN OUTPUT 1 and 2	Stereo (1: L, 2: R)
m3&4	mLAN OUTPUT 3 and 4	Stereo (3: L, 4: R)
m5&6	mLAN OUTPUT 5 and 6	Stereo (5: L, 6: R)
m7&8	mLAN OUTPUT 7 and 8	Stereo (7: L, 8: R)
m9&10	mLAN OUTPUT 9 and 10	Stereo (9: L, 10: R)
m11&12	mLAN OUTPUT 11 and 12	Stereo (11: L, 12: R)
m13&14	mLAN OUTPUT 13 and 14	Stereo (13: L, 14: R)
asL	ASSIGNABLE OUTPUT L	Mono
asR	ASSIGNABLE OUTPUT R	Mono
m1	mLAN OUTPUT 1	Mono
:	:	:
m14	mLAN OUTPUT 14	Mono

# Mixer section (when the Voice/Song/Pattern is set to "Song" or "Pattern")
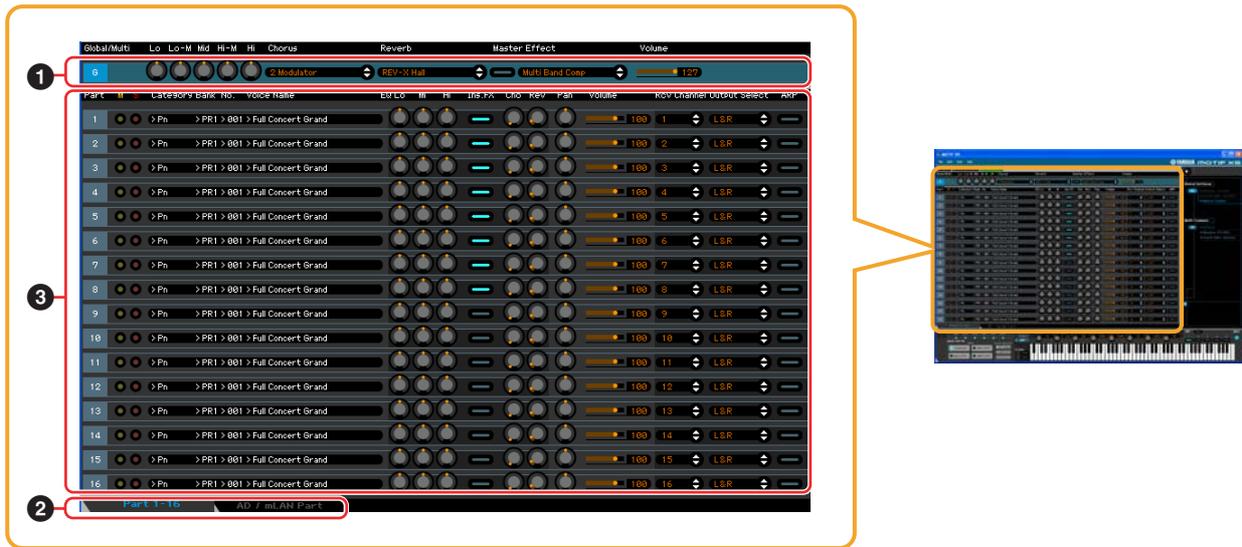
❶ Global

This strip lets you edit the main parameters in the Song or Pattern mode, such as effect-related ones. Clicking "G" turns this section on as illustrated below.
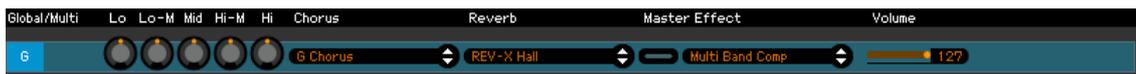
📝 NOTE When editing any of the Global parameters described below, a small square appears at the top right of the "G" box until you save the edited data as a file. This indication is the same as the green [F] indicator (page 28).

Before editing

After editing
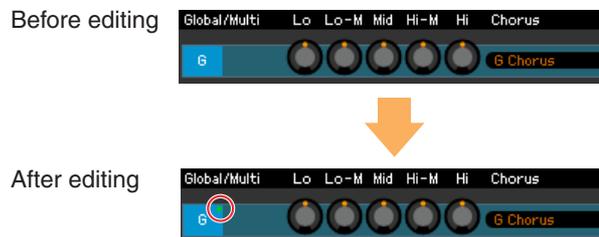
Lo, Lo-M, Mid, Hi-M, Hi (Master EQ)

Adjusts the Master EQ setting.

Chorus

Selects the Chorus type.

Reverb

Selects the Reverb type.

Master Effect

Turns the Master Effect on or off and selects the Master Effect type.

Volume

Adjusts the entire volume.

❷ [Part 1-16]/[AD/mLAN Part] tab

Selects the Parts to be edited from [Part 1-16] and [AD/mLAN Part]. The illustration below indicates that the [Part 1-16] tab is selected.

❸ Part

When [Part 1-16] is selected:

This section lets you edit parameters for each Part. Clicking any of 1 – 16 turns the corresponding Part on. In the example illustration below, Part 1 is active.

> **NOTE** When editing any of the Voice parameters such as Element parameters for each Part, a small square appears at the top right of the "1" – "16" box until you store the edited Voice as a User Voice or Mixing Voice or you save the edited data as a file. This indication is the same as the blue [V] indicator (page 28).

Part (Part number)

Indicates the Part number. Clicking here turns the corresponding Part on.

> **NOTE** In some situations, selecting a Part number on the Editor may not change a Part number on the MOTIF XS and vice versa, even if the Editor is in the ONLINE status. If you come across such a situation and you want to match the Part number of the MOTIF XS with the one in the Editor, change the Part number via the panel controls of the MOTIF XS.

Mute/Solo
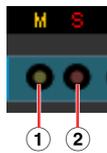
① Mute

Sets the Mute status for each Part. Clicking "M" here changes the Mute status for all Parts simultaneously.

② Solo

Selects the Solo Part. Only one Part can be soloed at a time.

Category, Bank, No. and Voice Name

Indicates the Category Bank and name of the Voice assigned to each Part. When clicking here, the VOICE LIBRARY window appears at the right half section, letting you select a different Voice for the current Part. Using the VOICE LIBRARY is the same here as in the Voice mode; for details, refer to page 14.

EQ Lo, Mi, Hi (Part EQ)

Adjusts the equalizer settings for each Part.

Ins.FX (Insertion Effect Switch)

Switches the Insertion Effect on or off.

> **NOTE** Insertion Effects can be applied up to eight Parts.

Cho, Rev, Pan (Chorus, Reverb, Pan)

Adjusts the Chorus Send level, Reverb Send level, and stereo Pan position for each Part by using the graphic knobs.

Volume

Adjusts the Volume for each Part.

Rcv Channel (Receive Channel)

Determines the MIDI Receive Channel for each Part.

Output Select

Determines the specific output(s) for the individual Part. The following settings are available.

LCD	Output jacks	Stereo/Mono
L&R	OUTPUT L and R	Stereo
asL&R	ASSIGNABLE OUTPUT L and R	Stereo
m1&2	mLAN OUTPUT 1 and 2	Stereo (1: L, 2: R)
m3&4	mLAN OUTPUT 3 and 4	Stereo (3: L, 4: R)
m5&6	mLAN OUTPUT 5 and 6	Stereo (5: L, 6: R)
m7&8	mLAN OUTPUT 7 and 8	Stereo (7: L, 8: R)
m9&10	mLAN OUTPUT 9 and 10	Stereo (9: L, 10: R)
m11&12	mLAN OUTPUT 11 and 12	Stereo (11: L, 12: R)
m13&14	mLAN OUTPUT 13 and 14	Stereo (13: L, 14: R)
asL	ASSIGNABLE OUTPUT L	Mono
asR	ASSIGNABLE OUTPUT R	Mono
m1	mLAN OUTPUT 1	Mono
:	:	:
m14	mLAN OUTPUT 14	Mono
drum	See below*	See below*

* When a Normal Voice is assigned to the edited Part, this value is indicated as "L&R (dr)" and the sound will be output via the OUTPUT L and R jacks in stereo. When a Drum Voice is assigned to the edited Part, this value is indicated as "drum" and the sound will be output via the jacks set in the Drum Key Edit as the Output Select parameter on the MOTIF XS Editor.

📝**NOTE** Depending on the setting of the Quick Setup (page 32), the audio signal of Parts which are set to "L&R" or "m1" – "m14" or "m1&2" – "m13&14" will be output via the OUTPUT L/R jack as well as mLAN.
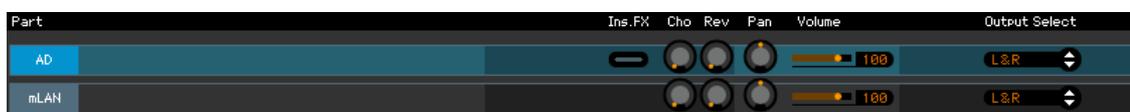
ARP (Arpeggio)

Turns Arpeggio playback on or off for each Part.

📝**NOTE** Up to four Parts can play back the Arpeggio simultaneously.

When [AD/mLAN Part] is selected:

This section lets you edit parameters for the AD/mLAN Part in the Song or Pattern mode. Clicking "AD" or "mLAN" row turns this section on as illustrated below.

Ins FX (Insertion Effect)

Switches the Insertion Effect on or off (only in the AD Part).

Cho, Rev, Pan (Chorus, Reverb, Pan)

Adjusts the Chorus Send level, Reverb Send level and stereo Pan position for the AD/mLAN Part by using the knob icons.

Volume

Adjusts the Volume for the AD/mLAN Part.

Output Select

Determines the specific output(s) for the AD/mLAN Part. The available settings are the same as those of the AD/mLAN Part in the Voice mode. Refer to page 16.

Parameter Category section (when the Voice/Song/Pattern is set to "Voice")

You can edit detailed parameters for the current Part by clicking the ◀️ button (located near the top right of the window, just below the model name) to call up the Detailed Parameter section. Calling up the Detailed Parameter section moves the Parameter Category Section rightward as shown below.

Parameter Category section
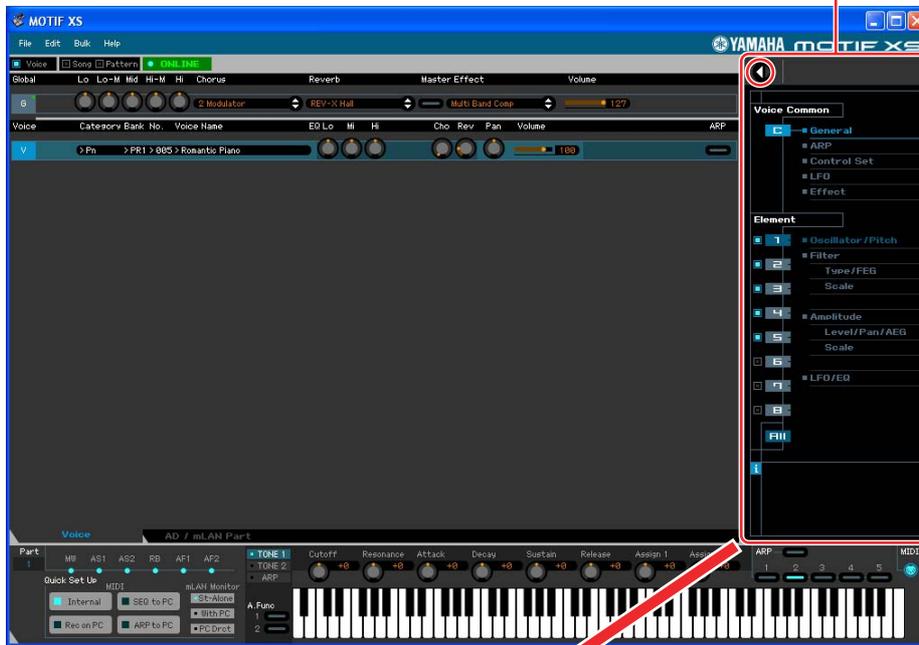
Parameter Category section   Detailed Parameter section

The indicated categories in the Parameter Category section differs depending on the selected row: G, V, or AD/mLAN Part, as illustrated below. Clicking each of Categories calls up the corresponding parameters in the Detailed Parameter section. The "G" indication shown below appears when clicking the "G" row. The "V" indication shown below appears by clicking the "V" row appearing only when the [Voice] tab is selected at the bottom of the Mixer section. The "AD/mLAN" indication shown below appears by clicking the "AD/mLAN" row appearing only when the [AD/mLAN Part] tab is selected at the bottom of the Mixer section.
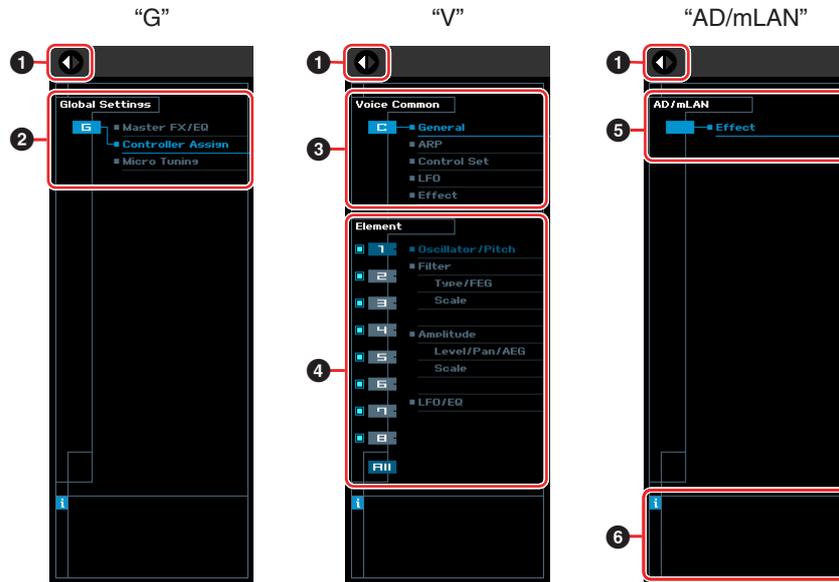
❶ Open/Close button
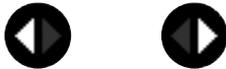
This button opens/closes the Detailed Parameter section. When only the left arrow is indicated in white, the Detailed Parameter section is hidden and you can call it up by clicking here. When only the right arrow is indicated in white, the Detailed Parameter section is shown on the display, allowing you to edit the displayed parameters. The Detailed Parameter section can be closed by clicking this button. You can also conveniently open and close the Detailed Parameter window from your computer keyboard. Hold down the <Ctrl> key (Command key for Mac) and simultaneously press the left arrow (←) key to open the window, or hold <Ctrl> key (Command key for Mac) and press the right arrow (→) key to close it.

❷ Global Settings

This is shown when the "G" row is selected in the Mixer section. Clicking each of the parameter categories calls up the corresponding Global parameters in the Detailed Parameter section.

❸ Voice Common

This is shown when the "V" row is selected in the Mixer section. Clicking each of the parameter categories calls up the corresponding Voice Common parameters in the Detailed Parameter section.

❹ Element or Drum Key

This is shown when the "V" row is selected in the Mixer section. When a Normal Voice is selected ("Element" is shown in the Parameter Category section) and you select an Element number (from 1 – 16), then clicking each of the parameter categories calls up the corresponding Element parameters in the Detailed Parameter section. When a Drum Voice is selected ("Drum Key" is shown in the Parameter Category section) and you select a key number (from C0 – C6), then clicking each of the parameter categories calls up the corresponding Drum Key parameters in the Detailed Parameter section.

When the Normal Voice is selected:
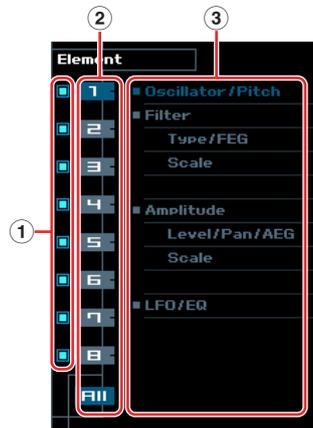
When the Drum Voice is selected:

① **Checkboxes for Elements (available when the Normal Voice is selected)**

Turns each Element on or off.

② **[1] – [8], [All] buttons (available when the Normal Voice is selected)**

Selects the Element to be edited. When [All] is selected, the Element Quick Setting window appears in the Detailed Parameter section. This window conveniently lets you edit frequently-used Element parameters of all Elements in a single window.

③ **Element Parameter categories (available when the Normal Voice is selected)**

Indicates the categories of Element parameters. Clicking each of the categories calls up the corresponding Element parameters in the Detailed Parameter section.

④ **Checkbox for the Drum Key (available when the Drum Voice is selected)**

Turns the current Drum Key on or off.

⑤ **Drum Key (available when the Drum Voice is selected)**

Indicates the current Drum Key to be edited. You can select the Drum Key to be edited by clicking either of the triangular buttons below the key indication.

⑥ **Drum Key Parameter categories (available when the Drum Voice is selected)**

Indicates the categories of Drum Key parameters. Clicking each of categories calls up the corresponding Drum Key parameters in the Detailed Parameter section.

❺ AD/mLAN

This is shown when the AD/mLAN Part is selected in the Mixer section. The Detailed Parameter section shows the Effect-related parameters.

**❻ *i* (Information)**

Indicates information about the parameter at the cursor arrow position. To view the information for a desired parameter, mouse-over the knob, slider or setting for that parameter. You can switch this Information feature on or off by clicking the "*i*" box.

Parameter Category section (when the Voice/Song/Pattern is set to "Song" or "Pattern")

You can edit detailed parameters for the current Part by clicking the button (located near the top right of the window, just below the model name) to call up the Detailed Parameter section. Calling up the Detailed Parameter section moves the Parameter Category Section rightward as shown below.
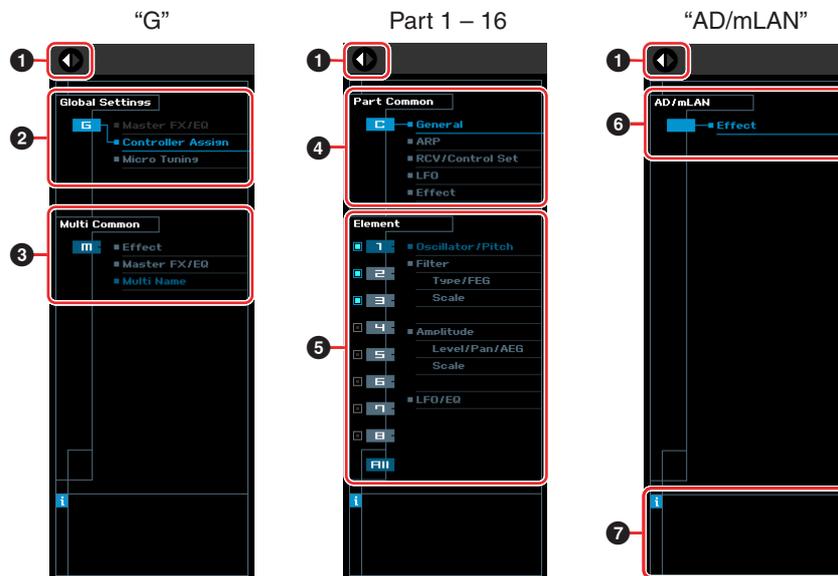
Parameter Category section
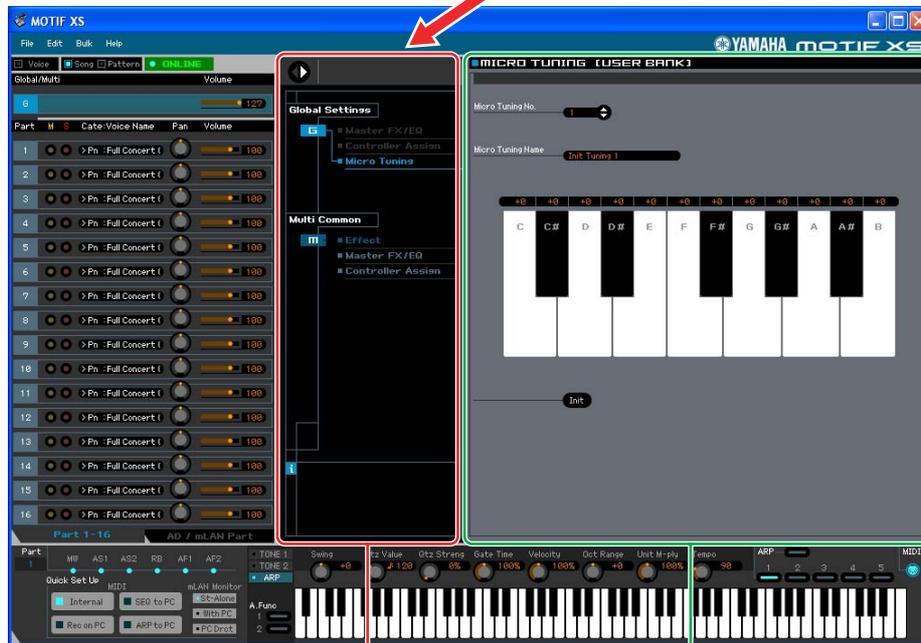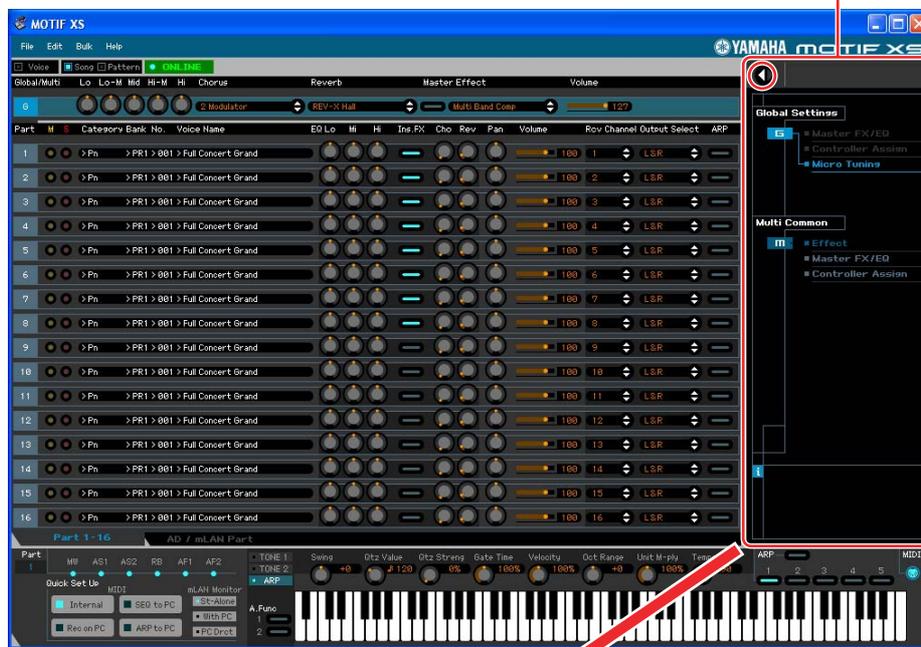
Parameter Category section   Detailed Parameter section

The indicated categories in the Parameter Category section differs depending on the selected Part type: M, Part 1 – 16, or AD/mLAN Part. Clicking each of the Categories calls up the corresponding parameters in the Detailed Parameter section. The "G" indication shown below appears when clicking the "G" row. The "Part 1 – 16" indication shown below appears by clicking any place on the Part row appearing only when the [Part 1-16] tab is selected at the bottom of the Mixer section. The "AD/mLAN" indication shown below appears by clicking the "AD/mLAN" row appearing only when the [AD/mLAN Part] tab is selected at the bottom of the Mixer section.

"G" — Part 1 – 16 — "AD/mLAN"

❶ Open/Close button

Same as in the Voice mode (page 21).

❷ Global Settings

This is shown when the "G" row is selected in the Mixer section. Clicking each of the parameter categories calls up the corresponding Global parameters in the Detailed Parameter section.

❸ Multi Common

This is shown when the "G" row is selected in the Mixer section. Clicking each of the parameter categories calls up the corresponding Common parameters in the Detailed Parameter section.

❹ Part Common

This is shown when one of Parts 1 – 16 is selected in the Mixer section. Clicking each of the parameter categories calls up the corresponding Common parameters of the Voice/Part in the Detailed Parameter section.

❺ Element or Drum Key

This is shown when one of Parts 1 – 16 is selected in the Mixer section. When a Normal Voice is assigned to the current Part ("Element" is shown in the Parameter Category section) and you select an Element number (from 1 – 16), then clicking each of the parameter categories calls up the corresponding Element parameters in the Detailed Parameter section. When a Drum Voice is assigned to the current Part ("Drum Key" is shown in the Parameter Category section) and you select a key number (from C0 – C6), then clicking each of the parameter categories calls up the corresponding Drum Key parameters in the Detailed Parameter section.
For details, see the Voice mode (page 22).

❻ AD/mLAN

Same as in the Voice mode (page 22).

❼ *i* (Information)

Same as in the Voice mode (page 22).

Detailed Parameter section (when the Voice/Song/Pattern is set to "Voice")

This section indicates the detailed parameters of the selected category for the current Voice or Global settings. This section introduces what parameters belong to each of the Parameter Categories. For details about each parameter, refer to the Owner's Manual of the MOTIF XS.
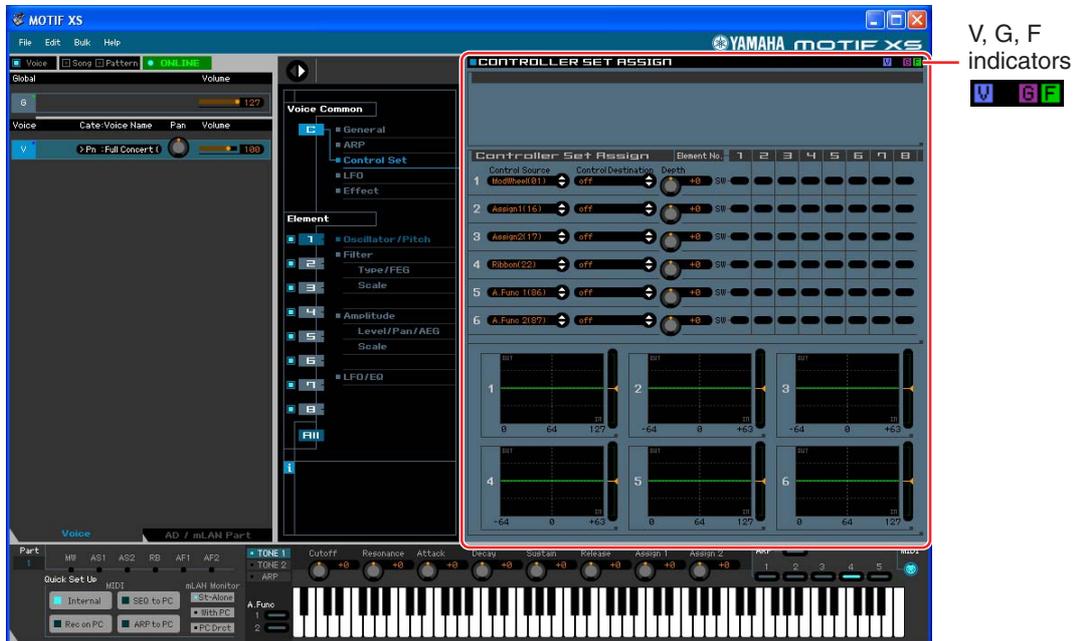
Three Indicators showing the Editing Status

One or more of the following three indicators are shown at the right top of the window when you edit a parameter.

Indicates that the Voice edits are not stored yet as a User Voice or Mixing Voice. This indicator disappears when you execute Voice Store (page 47).

Indicates that the Global edits are not stored yet. This indicator disappears when you execute Global Store (page 47).

Indicates that the parameter edits are not saved yet as a file.

NOTE These indicators, "V," "G" and "F" are linked with the small squares at the top right of "1" – "16" boxes and "G" box in the Mixer section. The "V" and "G" indicators disappear if you execute the Voice Store, Mixing Store and Global Store operation, respectively. The "F" indicator and the small squares at the top right of the "G" box in the Mixer section disappear only if you execute the File Save operation. All the indicators and the small squares disappear if you execute the File Save operation.

Global Settings

This Parameter category which is called up by selecting the "G" row in the Mixer section consists of the following sub categories.

Master FX/EQ (Master Effect/EQ)

Clicking this in the Parameter Category section calls up the Master Effect/EQ parameters in the Detailed Parameter section. On the MOTIF XS instrument, these parameters are the same as those called up by selecting "Master FX" or "Master EQ" on the UTILITY window.

Controller Assign

Clicking this in the Parameter Category section calls up the Controller Assign parameters in the Detailed Parameter section. On the MOTIF XS instrument, these parameters are the same as those called up by selecting "Control" on the UTILITY window.

Micro Tuning

Clicking this in the Parameter Category section calls up the Micro Tuning parameters in the Detailed Parameter section. On the MOTIF XS instrument, these parameters are the same as those called up by selecting "Tuning" on the UTILITY window.

Voice Common

This Parameter Category is called up by selecting the "V" row in the Mixer section. The parameters belonging to this category lets you make the settings applied to all the Elements or Drum Keys commonly. The following sub categories are included.

General

Clicking this in the Parameter Category section calls up the parameters such as Voice name and pitch-related parameters in the Detailed Parameter section. On the MOTIF XS instrument, these parameters are the same as those called up by selecting "EG/EQ" on the Voice Play window ([VOICE] → [F3]) and "Name" and "Play Mode" on the VOICE Edit-Common window.

ARP (Arpeggio)

Clicking this in the Parameter Category section calls up the Arpeggio-related parameters in the Detailed Parameter section. On the MOTIF XS instrument, these parameters are the same as those called up by selecting "ARP Main" and "ARP Other" on the VOICE Edit-Common window.
Clicking the row of the Bank/Category/Sub/Number/Name will call up the ARP LIBRARY window which lets you use the search function for the selecting Arpeggio Types, as with the VOICE LIBRARY window ().

Controller Set

Clicking this in the Parameter Category section calls up the Controller Set parameters in the Detailed Parameter section. On the MOTIF XS instrument, these parameters are the same as those called up by selecting "Control Set" on the VOICE Edit-Common window.

LFO (Low Frequency Oscillator)

Clicking this in the Parameter Category section calls up the LFO-related parameters in the Detailed Parameter section. On the MOTIF XS instrument, these parameters are the same as those called up by selecting "Com LFO" on the VOICE Edit-Common window. This Parameter Category is not available for Drum Voices.

Effect

Clicking this in the Parameter Category section calls up the Effect-related parameters in the Detailed Parameter section. On the MOTIF XS instrument, these parameters are the same as those called up by selecting "Effect" on the VOICE Edit-Common window.

Element or Drum Key

This Parameter Category is called up by selecting the "V" row in the Mixer section. The "Element" is shown when the Normal Voice is selected while the "Drum Key" is shown when the Drum Voice is selected. The parameters belonging to this category lets you make the settings applied to each of the Elements or Drum Keys individually. The following sub categories are included.

ᴊNOTE For information about the checkboxes at left of each Element number 1 – 8 and "All," refer to page 22. For information about the Drum Key (note name) and checkbox, refer to page 22.

Oscillator/Pitch

Clicking this in the Parameter Category section calls up the parameters related to the Oscillator and Pitch in the Detailed Parameter section.

Filter

Clicking this in the Parameter Category section calls up the Filter-related parameters in the Detailed Parameter section.

Amplitude

Clicking this in the Parameter Category section calls up the Amplitude-related parameters in the Detailed Parameter section.

LFO/EQ (Low Frequency Oscillator/Equalizer)

Clicking this in the Parameter Category section calls up the parameters related to the LFO and EQ in the Detailed Parameter section.

AD/mLAN

This Parameter Category is called up by selecting the "AD/mLAN" row in the Mixer section. The parameters belonging to this category lets you make the settings applied to the AD/mLAN Part in the Voice mode. The following sub category is included.

Effect

Clicking this in the Parameter Category section calls up the parameters related to the Effect applied to the AD/mLAN Part of the Voice mode in the Detailed Parameter section.

Detailed Parameter section (when the Voice/Song/Pattern is set to "Song" or "Pattern")

This section indicates the detailed parameters of the selected category for the current Part and the Voice assigned to the current Part, or the Global settings. This section introduces what parameters belong to each of the Parameter Categories. For details about each parameters, refer to the Owner's Manual of the MOTIF XS.

V, M, G, F indicators

Four Indicators showing the Editing Status

One or more of the following four indicators are shown at the right top of the window when you edit a parameter.

Indicates that the Voice edits are not stored yet as a User Voice or Mixing Voice. This indicator disappears when you execute Voice Store (page 47).

Indicates that the Multi edits are not stored yet. This indicator disappears when you execute Mixing Store (page 48).

Indicates that the Global edits are not stored yet. This indicator disappears when you execute Global Store (page 47).

Indicates that the parameter edits are not saved yet as a file.

NOTE These indicators, "V," "M," "G" and "F" are linked with the small squares at the top right of "1" – "16" boxes and "G" box in the Mixer section. The "V," "M" and "G" indicators disappear if you execute the Voice Store, Mixing Store and Global Store operations, respectively. The "F" indicator and the small squares at the top right of the "G" box in the Mixer section disappear only if you execute the File Save operation. All the indicators and the small squares disappear if you execute the File Save operation.

Global Settings

This Parameter category, called up by selecting the "G" row in the Mixer section, consists of the following sub categories.

Micro Tuning

Clicking this in the Parameter Category section calls up the Micro Tuning parameters in the Detailed Parameter section. On the MOTIF XS instrument, these parameters are the same as those called up by selecting "Tuning" on the UTILITY window.

Multi Common

This Parameter category, called up by selecting the "G" row in the Mixer section, consists of the following sub categories.

Effect

Clicking this in the Parameter Category section calls up the Effect-related parameters in the Detailed Parameter section. On the MOTIF XS instrument, these parameters are the same as those called up by selecting "Reverb" and "Chorus" on the SONG or PATTERN Edit-Common window.

Master FX/EQ (Master Effect/EQ)

Clicking this in the Parameter Category section calls up the parameters related to the Master Effect and EQ in the Detailed Parameter section. On the MOTIF XS instrument, the Master EQ parameters are the same as those called up by selecting "Master FX"/"Master EQ" on the SONG or PATTERN Edit-Common window.

Controller Assign

Clicking this in the Parameter Category section calls up the Controller Assign parameters in the Detailed Parameter section. On the MOTIF XS instrument, these parameters are the same as those called up by selecting "Ctrl Asgn" on the SONG or PATTERN Edit-Common window.

Part Common

This Parameter category which is called up by selecting any of the "1" – "16" rows in the Mixer section consists of the following sub categories.

General

Clicking this calls up the GENERAL window in the Parameter Category section. This window lets you edit the Voice Common parameters such as naming and the Mixing Part parameters such as Pitch, Portamento, Note/Velocity Limit and Part EQ. In the Part Common General section, both the Mixing Part parameters (the "M" indicator appears at the top right during editing) and Voice Common parameters (the "V" indicator appears at the top right during editing) can be edited. To distinguish between them, a small dot is shown at the immediate left of the parameters.

ARP (Arpeggio)

Clicking this in the Parameter Category section calls up the parameters related to the Arpeggio assigned to the current Part in the Detailed Parameter section. On the MOTIF XS instrument, these parameters are the same as those called up by selecting "ARP Main" and "ARP Other" on the SONG or PATTERN Edit-Part window.
Clicking the row of the Bank/Category/Sub/Number/Name will call up the ARP LIBRARY window which lets you use the search function for the selecting Types, as with the VOICE LIBRARY window (page 14).

RCV/Control Set (Receive/Control Set)

Clicking this calls up the RCV/CONTROLLER SET ASSIGN window in the Parameter Category section. This window lets you edit the Receive Switch parameters for the current Part and the Controller Set Assign parameters for the current Part and the Voice. On the MOTIF XS instrument, these parameters are the same as those called up by selecting "RcvSwitch" on the SONG or PATTERN Edit-Part window.

LFO (Low Frequency Oscillator)

Clicking this in the Parameter Category section calls up the LFO-related parameters of the Voice assigned to the current Part in the Detailed Parameter section. This Parameter Category is not available if the Drum Voice is assigned to the current Part.

Effect

Clicking this in the Parameter Category section calls up the parameters related to the Insertion Effect for the current Part and System Effect applied to all the Parts in the Detailed Parameter section.

Element or Drum Key

This Parameter Category is called up by selecting any of the "1" – "16" rows in the Mixer section. The "Element" indication appears when the Normal Voice is assigned to the current Part while the "Drum Key" is shown when the Drum Voice is assigned. The parameters belonging to this category lets you make the settings applied to each of the Elements or Drum Keys individually. For details, see the Voice mode section.

AD/mLAN

This Parameter Category is called up by selecting the "AD/mLAN" row in the Mixer section. The parameters belonging to this category lets you make the settings applied to the AD/mLAN Part in the Song or Pattern mode. The following sub category is included.

Effect

Clicking this in the Parameter Category section calls up the parameters related to the Effect applied to the AD/mLAN Part of the Song or Pattern mode in the Detailed Parameter section.

Bottom section
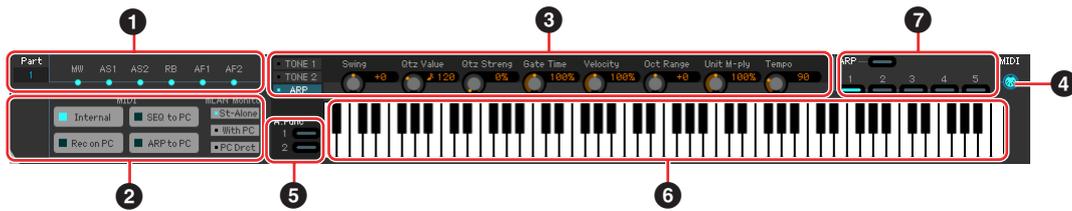
❶ Controller Set status

This section indicates which controller on the MOTIF XS instrument is used as the Control Source of the Controller Set edited in the RCV/CONTROLLER SET ASSIGN window.
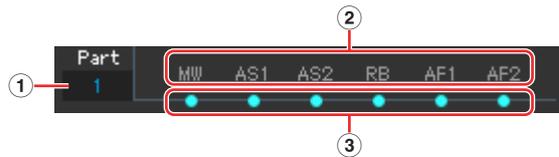
① Part

Indicates the current Part.

② Control Source (Controller)

Indicates the six controllers as source of the Controller Set. The abbreviations for the Controllers are as follows:

Indication	Control Source
PB	Pitch Bend Wheel
MW	Modulation Wheel
AT	After Touch (keyboard)
FC	Foot Controller
FS	Foot Switch
RB	Ribbon Controller

| Indication	Control Source
BC	Breath Controller
AS1	ASSIGN 1 knob
AS2	ASSIGN 2 knob
FC2	Foot Controller 2
AF1	ASSIGNABLE FUNCTION 1 button
AF2	ASSIGNABLE FUNCTION 2 button

③ On/Off status

When a lamp is turned on, a certain function (Destination) is assigned to the corresponding Source (controller). When a lamp is turned off, no function (Destination) is assigned to the corresponding Source (controller).

❷ Quick Setup

From this section, you can instantly call up appropriate panel settings for the Song or Pattern mode of the MOTIF XS instrument by clicking a convenient preset setup.

♪NOTE The settings of the MOTIF XS instrument made via the operation here cannot be saved as an Editor file.
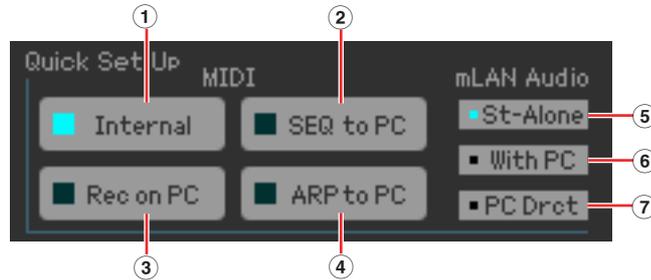
MIDI

The following setups are equivalent to those in Quick Setup in the Utility mode of the MOTIF XS.

① **Internal**

This setup is useful when you use the sequencer function (Song or Pattern) on the MOTIF XS instrument alone (without a computer).

② **SEQ to PC**

This setup is useful when you transmit the Song or Pattern playback data to a connected computer and record it to a DAW application software on the computer.

③ **REC on PC**

This setup is useful when you record your keyboard performance on the MOTIF XS to a DAW application software on the connected computer.

④ **ARP to PC**

This setup is useful when you transmit the Arpeggio playback data on the MOTIF XS instrument to a connected computer and record it to a DAW application software on the computer.

mLAN Audio

The following setups are equivalent to the mLAN Monitor Setup in the Utility mode of the MOTIF XS.

⑤ **St-Alone (stand alone)**

This should be selected when you are using the MOTIF XS alone or are not using the DAW software even with a computer connected to the MOTIF XS via an IEEE1394 cable. When this is selected, the audio signal of the MOTIF XS (only Parts which are set to "L&R" as the Output Select parameter) will be output directly via the OUTPUT L/MONO and R jacks normally.

⑥ **With PC**

This should be selected when you are using the MOTIF XS as an audio device with the DAW software. When this is selected, the audio signal of the MOTIF XS (only Parts which are set to "L&R" as the Output Select parameter) will be output to the DAW software on a computer via an IEEE1394 cable, merged and mixed with the DAW sound, returned back to the MOTIF XS, then output via the OUTPUT L/MONO and R jacks. Selecting this allows you to apply VST Effects within the DAW software to the MOTIF XS sound.

⑦ **PC Drct (Direct Monitor)**

This should be selected when recording your keyboard performance on the MOTIF XS instrument to the DAW software on the computer. The audio signal of the MOTIF XS (only Parts which are set to "m1" –"m14" or "m1&2" – "13&14" as the Output Select parameter) will be sent to DAW, while the audio signal also will be output directly via the OUTPUT L/MONO and R jacks to monitor the sound without latency. The audio signal from the DAW software will be output via an IEEE1394 cable. Keep in mind that the Rec Monitor of the DAW software should be set to "off" in order to prevent "double" sound from occurring.

❸ Quick Edit Knobs

This section lets you adjusts various parameters assigned to the Knobs on the front panel of the MOTIF XS instrument.

① **[TONE 1]/[TONE 2]/[ARP]**

Selects the set of functions assigned to the eight knobs. The functions shown above each of the knobs are same as those printed on the front panel of the MOTIF XS.

② **Knobs 1 – 8**

You can click each of the eight knobs to adjust the value of the assigned function.

❹ ARP (Arpeggio)

Allows you to change the Arpeggio related setup (on/off status and selecting 1 – 5).

❺ MIDI monitor

Turns the MIDI monitor function on or off. By turning this MIDI jack icon on, the note on/off messages transmitted to the MOTIF XS will be shown on the virtual keyboard at the bottom of the Editor window. Turn the MIDI monitor on if you want to confirm the edit result by playing the MOTIF XS or the MIDI keyboard connected to the computer.

### ❻ [A.Func] (Assignable Function) button

This button is related to "All AF off," "AF1 on" and "AF2 on" selected as a value of the XA Control parameter on the OSCILLATOR/PITCH window of the Normal Voice Element Edit. For details, refer to the Owner's Manual of the MOTIF XS.

❼ Keyboard

Allows you to audition the edited sound. Note on/off messages corresponding to the keys you click or drag will be transmitted to the external device via the MIDI port specified in the Editor Setup window (page 39) as the MIDI OUT parameter.

🎵 **NOTE** The velocity when clicking a key is determined by the setting of the Keyboard Velocity parameter (page 41) in the Setup window.

🎵 **NOTE** When a Drum Voice is edited, you can initialize the parameter settings of each key by right-clicking on the virtual keyboard. From the menu called up by right-clicking, selecting "Initialize key" will initialize all the parameter settings except for the waveform assignment of the currently selected drum key, while selecting "Initialize key (with Wave)" will initialize the all the parameter settings including the waveform assignment.
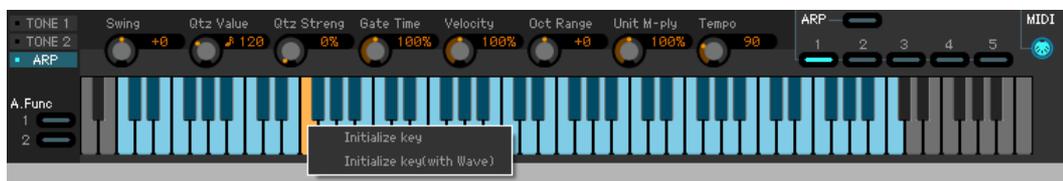
Basic Operations

This section covers basic operations of the MOTIF XS Editor.

Naming a Voice

You can assign an original name of your choice to the edited Voice on the VOICE LIBRARY window, GENERAL window in the Part Common General, and the Store window.

From the VOICE LIBRARY window (page 14), select a User Voice or Mixing Voice then click the selected Voice so that you can edit the name. After editing the Voice name, pressing the <Enter> key or locating the cursor to another parameter finalizes the edited name while pressing the <Esc> key aborts it.

From the GENERAL window (below) and Store window (page 47), locate the cursor in the text box of "Voice Name" at the top of this window, then edit the name in the text box as desired. After editing, pressing the <Enter> key or locating the cursor to another parameter finalizes the edited name.

Searching for a Voice/Arpeggio Type

You can search for the desired Voice and Arpeggio type on the VOICE LIBRARY window (page 14) and ARP LIBRARY window just by inputting a keyword in the text box at the bottom of these windows respectively. Likewise, the Search function is available on the Import window (page 37).

Inputting a numerical value

When double clicking a value box such as that shown above, the value box can be edited and you can input a numerical value directly by using numeric keys. After editing, pressing the <Enter> key or locating the cursor to another parameter finalizes the value while pressing the <Esc> key aborts it. You can edit the value also by using the Cursor key or <Page Up>/<Page Down> key after clicking this box.
In Windows, to reset the value to its default, simultaneously hold down the <Ctrl> key and click on the value box. On the Macintosh, to reset the value to its default, simultaneously hold down the Command key and click on the value box.

🎵 NOTE For certain parameters, the value can be edited only by using the mouse and cannot be input directly by using the numeric keys.

Selecting a value

Clicking inside the value box like such as that shown above calls up the list box, from which you can select the desired value. You can also select the value also by clicking the arrow at right end of this box.
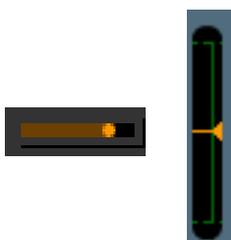
Using a knob

Dragging or clicking the knob such as that shown above changes the value of the corresponding parameter. After clicking this, you can edit the value by using the cursor key or <Page Up>/<Page Down> key. If you want to make fine adjustments to the value, drag the mouse while holding the <Shift> key.
The specific operation of the knob is determined by the settings of the Knob Guide parameter and Knob Mouse Control parameter in the Setup window (page 39). In Windows, to reset the value to its default, simultaneously hold down the <Ctrl> key and click on the knob. On the Macintosh, to reset the value to its default, simultaneously hold down the Command key and click on the knob.

Using a slider

Dragging or clicking the slider such as that shown above changes the value of the corresponding parameter. After clicking this, you can edit the value by using the cursor key or <Page Up>/<Page Down> key. If you want to make fine adjustments to the value, drag the mouse while holding the <Shift> key.
The specific operation of the slider is determined by the setting of the Slider Mouse Control parameter in the Setup window (page 39). In Windows, to reset the value to its default, simultaneously hold down the <Ctrl> key and click on the slider. On the Macintosh, to reset the value to its default, simultaneously hold down the Command key and click on the slider.

Using a graph

Dragging one of the boxes in the graph (as shown above) changes the value of the corresponding parameter. In Windows, simultaneously hold down the <Ctrl> key and click on the box to reset the corresponding value to the default setting. To reset the entire graph and its values to the default setting, simultaneously hold down the <Ctrl> key and click on any section in the graph (other than one of the boxes) to reset the entire graph and its values to the default setting. On the Macintosh, simultaneously hold down the Command key and click on the box to reset the corresponding value to the default setting. To reset the entire graph and its values to the default setting, simultaneously hold down the Command key and click on any section in the graph (other than one of the boxes) to reset the entire graph and its values to the default setting.

Menu

[File] menu
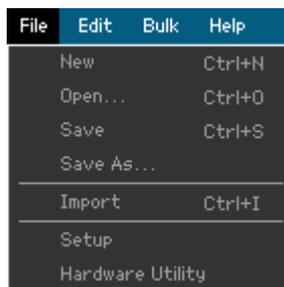
New

Creates and opens a new file containing the default Mixing setup and Voice data.

Open...

Opens an already saved file of the MOTIF XS Editor. The following file types can be selected and opened.

- MOTIF XS Editor (.X0E)
- MOTIF-RACK XS Editor (.X1E)
- MO6/MO8 Multi Part Editor file (.M4E)
- MOTIF-RACK ES Multi Part Editor (.M3E)
- MOTIF ES6/7/8 Multi Part Editor (.M4E)
- MOTIF XS All Files (.X0A)

⚠ *CAUTION*

Unlike files of other applications such as word processors, only a single file can be opened and edited on the MOTIF XS Editor. Before opening a new file, make sure to save the edited settings as a file to avoid losing data.

Save

Saves the current settings by overwriting the current file.

Save As...

Saves the current settings as a MOTIF XS Editor file (.X0E) under a new or different name.

Import

Imports the Voice data (a specific Voice in a specific folder or all Voices in a specific folder) from a different file to the current file.

Click the File Select button (❸), select a file including your desired Voice(s) so that the folders in the selected file are listed as the Source Voice list (❽), select a Voice or Voices or a folder or folders in the list (❽), select a destination location in the Destination Voice list (❾) of the current file, then click [Import] (❺) to execute the Import operation.

The following file types can be selected.

- MOTIF XS Editor (.X0E)

- MOTIF-RACK XS Editor (.X1E)

- MO6/MO8 Voice Editor and MOTIF ES6/7/8 Voice Editor (.W7E)

- MO6/MO8 Multi Part Editor (.M4E)

- MOTIF-RACK ES Multi Part Editor (.M3E)

- MOTIF ES6/7/8 Multi Part Editor (.M4E, .M2E)

- MOTIF-RACK ES Voice Editor files(.W9E)

- MOTIF XS ALL (.X0A)

- MOTIF XS ALL Voice (.X0V)

❶ [X] (Close) button

Click this to close this window without importing.

❷ File name (Indication only)

Indicates the currently selected file.

❸ File selection button

Click this to open the dialog for file selection.

❹ [Category]/[Bank] checkboxes

Click either of these boxes to determine whether the Voices in the Source Voice list (❽) are divided into Categories or Banks.

❺ [Import] button

Click this to actually import the Voice(s) selected in the Source Voice list (❽) to the specified location in the Destination Voice list (❾).

> **NOTE** You can also import Voice data without the use of this button by dragging the desired Voice or folder from the Source Voice list then dropping it to the Destination Voice list.

> **NOTE** A Normal Voice cannot be imported to the User Drum Voice Bank. Likewise, a Drum Voice cannot be imported to the User Normal Voice Bank. No Voices can be imported to the Preset Voice Bank.

❻ [+]/[−] buttons

Click the [+] button to open all the folders so that all Voices appear in all folders. Click the [−] button to close all folders.

❼ Folder button (Bank or Category)

Double click here to open or close the folder.

❽ Source Voice list

Indicates the Voices or folders of the selected file to be imported.
By right-clicking this section and selecting a menu, you can perform the following functions.

- Opening/Closing all the folders
- Determining whether the Voices listed here are divided into Category folders or Bank folders

❾ Destination Voice list

Indicates the Voices or folders currently edited on the MOTIF XS Editor.

> **NOTE** By right-clicking this section and selecting a menu, you can open or close all the folders.

❿ Search box

You can search for your desired Voice from the Source Voice list (❽) by inputting a keyword here.

Setup

Determines the basic setup of the MOTIF XS Editor. After setting necessary parameters, click [OK] to actually apply the settings to the MOTIF XS Editor.
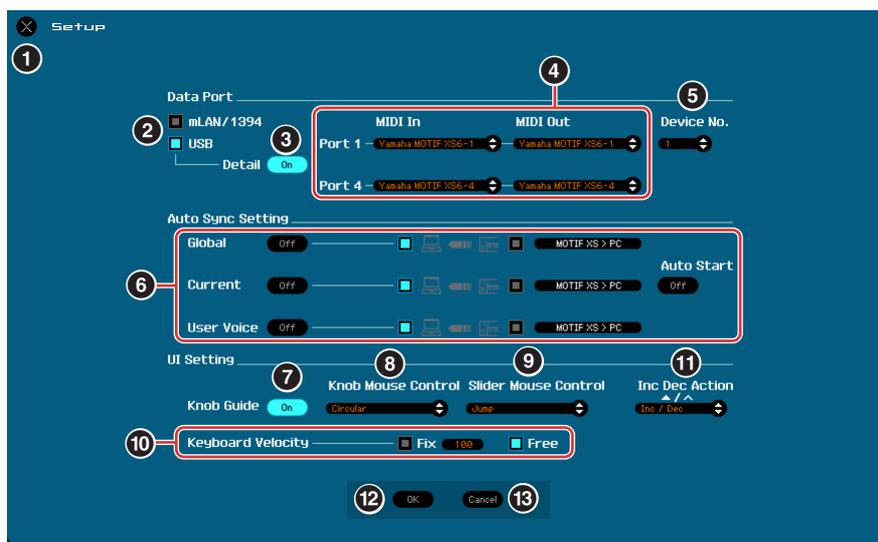
❶ [X] (Close) button

Click this to close this window without applying the settings. This button is the same as the [Cancel] button (❽).

❷ [mLAN/1394]/[USB] checkboxes

Select which port (USB or mLAN) is used for communication between the MOTIF XS and computer.

❸ [Detail] button

When "USB" is selected at the [mLAN/1394]/[USB] checkboxes (❷), you can make detailed settings for the Input Port and Output Port by setting this button to "On." This setting is necessary if the Port name is changed on a computer.

❹ MIDI

Set the MIDI Port for communication between the MOTIF XS Editor and the MOTIF XS instrument. When "USB" is selected at the [mLAN/1394]/[USB] checkboxes (❷) and the [Detail] button (❸) is set to "Off," select a value such as "Yamaha USB 0-1" or "MOTIF XS6-1(2,3,4)" at the top left column. When "USB" is selected and the [Detail] button (❸) is set to "On," select Port 4 for the MOTIF XS in the MIDI In setting then select Port 1 and Port 4 for the MOTIF XS in the MIDI Out settings. When "mLAN/1394" is selected at the [mLAN/1394]/[USB] checkboxes (❷), select the MIDI Port of the MOTIF XS at the MIDI column and select the model name such as "MOTIF XS" at the mLAN Device column.

NOTE When "!" is shown at left of the Port name (e.g., "! Yamaha USB IN 0-1"), this indicates that the previously used Port cannot be found or some Ports are not set properly. Check the MIDI Port settings in the host application.

NOTE When the MOTIF XS is connected to a computer via an IEEE1394 cable and the mLAN/1394 setting above is turned on, the MIDI Port can handle only note on/off messages. The mLAN Device setting is necessary for transferring MIDI messages other than note on/off.

NOTE Keep in mind that setup on the host application (Studio Manager) is necessary before making settings here. When starting Studio Manager as a stand-alone application, see page 5. When starting Studio Manager as a plug-in of the DAW application, refer to the manual of the DAW application.

NOTE Make sure to set the MIDI IN/OUT parameter to "USB" in the MIDI display of the Utility mode on the MOTIF XS instrument when "USB" is selected at the [mLAN/1394]/[USB] checkboxes. Likewise, make sure to set the MIDI IN/OUT parameter to "mLAN" in the Utility mode when "mLAN/1394" is selected.

❺ Device No.

Set the Device number to the same as the value specified in the MIDI display of the Utility mode on the MOTIF XS itself. When the Device number on the MOTIF XS is set to "All," set the Device No. here to "1."

❻ Auto Sync Setting

This section lets you set how the data synchronization between the MOTIF XS Editor and the MOTIF XS instrument is executed when "OFFLINE" is changed to "ONLINE." Actual data synchronization is executed from the Auto Sync window (page 51) called up automatically under certain circumstances such as clicking the [OFFLINE] button, starting the MOTIF XS Editor and opening a new file on the Editor.

Global

Determines whether or not the Global data (see page 4) is synchronized and which data (MOTIF XS Editor or MOTIF XS itself) is synchronized with the other.

Current

Determines whether or not the Current data (see page 4) is synchronized and which data (MOTIF XS Editor or MOTIF XS itself) is synchronized with the other.

Voice

Determines whether or not the Voice data (see page 4) is synchronized and which data (MOTIF XS Editor or MOTIF XS itself) is synchronized with the other.

Auto Start

When this is set to "On" and one of the following operations is executed, data synchronization will be started automatically as soon as the Auto Sync window is opened.

- When clicking "OFFLINE" after setting the MIDI IN/OUT parameter correctly in the Utility mode on the MOTIF XS, setting the MIDI Ports correctly on the computer, and making a proper connection.
- When the connection between the MOTIF XS and a computer are corrected after appropriately correcting the setup of the MOTIF XS and the computer.
- When the settings on the MOTIF XS instrument and the computer are corrected after appropriately reconnecting the devices.

NOTE The parameters set here apply also to the parameters having the same names in the Auto Sync window.

⚠ *CAUTION*

When the Auto Start parameter is set to "On," data synchronization is started automatically under certain circumstances (page 51) such as clicking the [OFFLINE] button, starting the Editor and opening a new file on the Editor. Keep in mind that this will cause unexpected data loss on the MOTIF XS Editor or the MOTIF XS itself, since new data automatically overwrites old data upon data synchronization. Make sure to save your important data before using the MOTIF XS Editor.

❼ Knob Guide

Determines whether or not the Knob Guide (knob editing area) appears when adjusting a knob. Setting this to On conveniently enlarges the knob editing area (as shown), making it much easier to edit a knob's parameter.

Knob Guide: On   Knob Guide: Off

❽ Knob Mouse Control

Determines how the knob illustrated at right responds to your mouse control.

Circular

When this is selected, you can jump to a specific value by clicking at a point within the Knob editing area. You can edit the value also by dragging the mouse in a circular direction—in much the same way as turning an actual knob.

Relative Circular

When this is selected, you can edit the value by dragging the mouse in a circular direction—in much the same way as turning an actual knob.

Linear

When this is selected, you can edit the value by dragging any point in the knob editing area (the mouse pointer disappears) and moving it vertically or horizontally—in much the same way as operating a slider.

❾ Slider Mouse Control

Determines how the Slider illustrated at right responds to your mouse control.

Jump

When this is selected, clicking any location in the slider jumps the slider pointer to that location.

Touch

When this is selected, you can edit the value by dragging and moving the slider pointer horizontally—in much the same way as operating an actual slider. Clicking at any location in the slider (other than the orange pointers) does not affect the slider.

Ramp

When this is selected, clicking at any location in the slider (other than the orange pointers) moves the nearest pointer to that location. Dragging any point in the slider moves the slider pointer accordingly.

Relative

When this is selected, you can edit the value by dragging any point (the mouse pointer disappears) and moving it horizontally.

❿ Keyboard Velocity

Determines the Velocity value generated when clicking any note on the virtual keyboard at the bottom of the Editor window. When "Fix" is turned on, clicking any key generates the same velocity value which can be specified in the box at right of "Fix." When "Free" is turned on, the generated Velocity value differs depending on the click location. The lower on the key graphic you click, the higher the Velocity.

⑪ Inc/Dec Action

Determines how the triangular buttons ([▲]/[▼]/[Λ]/[V]) located at the parameter boxes as illustrated below work.

Inc/Inc:

When this is selected, clicking the [▲] button increases the value by 1 while clicking the [Λ] button moves the cursor downward by one item.

Inc/Dec:

When this is selected, clicking the [▲] button increases the value by 1 while clicking the [Λ] button moves the cursor upward by one item.

Dec/Inc:

When this is selected, clicking the [▲] button decreases the value by 1 while clicking the [Λ] button moves the cursor downward by one item.

Dec/Dec:

When this is selected, clicking the [▲] button decreases the value by 1 while clicking the [Λ] button moves the cursor upward by one item.

⑫ [OK] button

Click this to actually apply the settings to the MOTIF XS Editor and close the Setup window.

⑬ [Cancel] button

Click this to close the Setup window without applying the settings to the MOTIF XS Editor.

Hardware Utility

From the HARDWARE UTILITY window called up by selecting this menu, you can make the settings related to the parameters in the Utility mode of the MOTIF XS. Editing the parameter on this window will affect the parameter having the same name of the MOTIF XS instrument. After making the settings, click [Store] at the bottom of this window to store the settings as Global data.
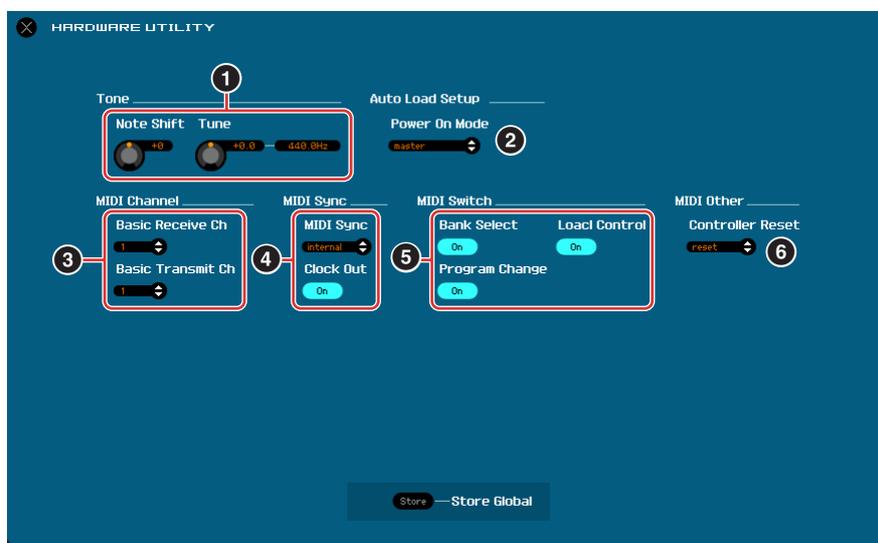
MOTIF XS Editor (parameters on the above window)		MOTIF XS instrument
❶ Tone	Note Shift	[UTILITY] → [F1] General → [SF1] Play
	Tune	[UTILITY] → [F1] General → [SF1] Play
❷ Auto Load Setup	Power On Mode	[UTILITY] → [F1] General → [SF4] AutoLoad
❸ MIDI Channel	Basic Receive Ch	[UTILITY] → [F5] Control → [SF2] MIDI
	Basic Transmit Ch	[UTILITY] → [F5] Control → [SF2] MIDI
❹ MIDI Sync	MIDI Sync	[UTILITY] → [F5] Control → [SF2] MIDI
	Clock Out	[UTILITY] → [F5] Control → [SF2] MIDI
❺ MIDI Switch	Bank Select	[UTILITY] → [F5] Control → [SF2] MIDI
	Program Change	[UTILITY] → [F5] Control → [SF2] MIDI
	Local Control	[UTILITY] → [F5] Control → [SF2] MIDI
❻ MIDI Other	Controller Reset	[UTILITY] → [F5] Control → [SF2] MIDI

[Edit] menu

<div align="center">

Voice mode   Song or Pattern mode

</div>

Undo

Cancels the changes you made in your most recent editing. [Undo] menu will be gray and cannot be selected depending on the most recent edited parameter.

Redo

Redo is available only after using Undo, and lets you restore the changes you made before undoing them.

Copy

Copies the selected items such as characters of the Voice name in the text box, Voice(s) in the VOICE LIBRARY window and entire Part setup to the clipboard.

Paste

Pastes the Voice(s), entire Part setup, and characters from the clipboard to the specified location.

Initialize Current Voice (in the Voice mode)/Initialize Current Part Voice (in the Song or Pattern mode)

In the Voice mode, select [Initialize Current Voice] under [Edit] to call up the Initialize Current Voice window from which you can initialize the current Voice by clicking [Start]. In the Song or Pattern mode, select [Initialize Current Part Voice] under [Edit] to call up the Initialize Current Part Voice window from which you can initialize the Voice assigned to the current Part by clicking [Start].

When a Normal Voice is edited:
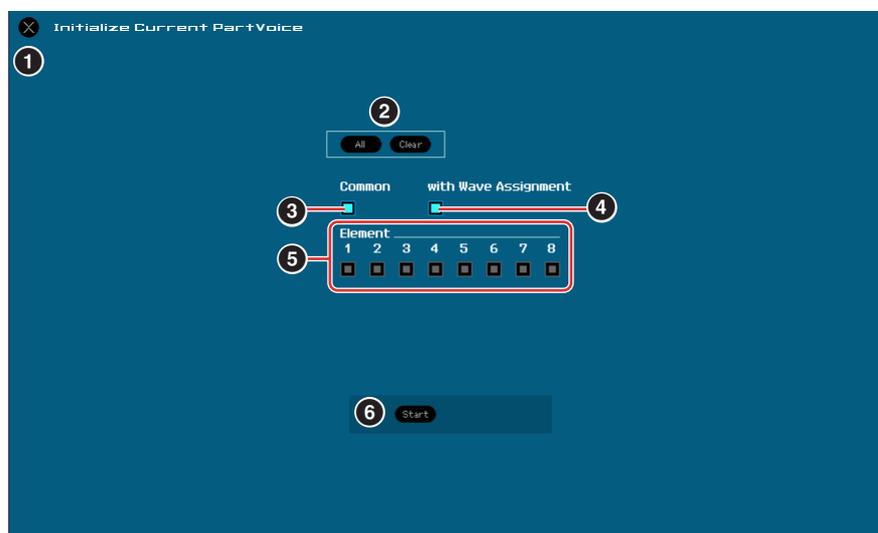
When a Drum Voice is edited:
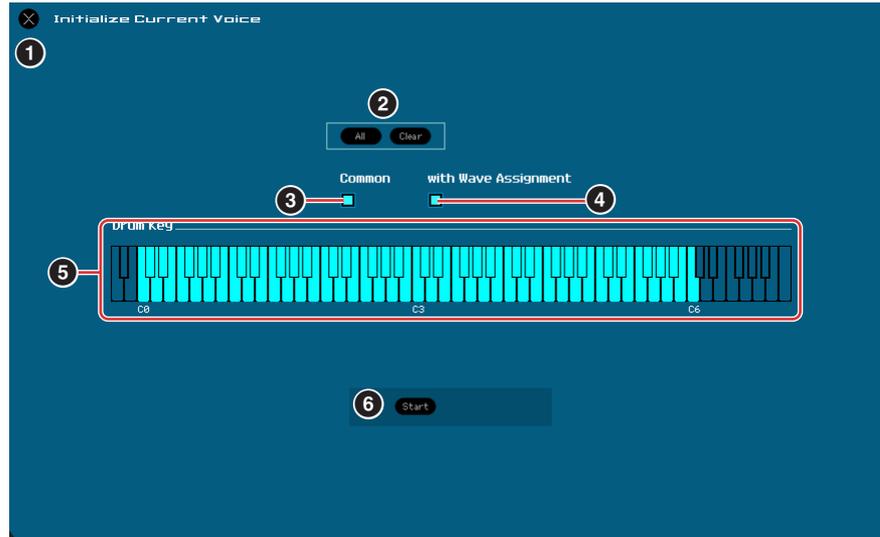
❶ **[X] (Close) button**

Click this to close the window without executing Initialization.

❷ **[All]/[Clear] button**

Clicking [All] turns all the checkboxes in this window on while clicking [Clear] turns them off.

❸ **[Common] checkbox**

When this is turned on, clicking [Start] initializes the settings of all the Common parameters (Voice Common parameters when the Editor is set to the Voice mode or Part Common parameters when the Editor is set to the Song or Pattern mode).

❹ **with Wave Assignment**

When this is turned on, clicking [Start] initializes the Waveform assignment for all Elements of the current Voice.

❺ **Element [1] – [8] or Drum Key C0 – C6 checkboxes**

When a Normal Voice is edited, clicking [Start] initializes the settings of all parameters for the Elements which are turned on here. When a Drum Voice is edited, clicking [Start] initializes the settings of all parameters for the drum keys which are turned on here.

❻ **[Start] button**

After the setup is completed, click [Start] to initialize the parameter settings and close the window.

Initialize Current Mixing (only in the Song or Pattern mode)

Select this menu to call up the Initialize Current Part Voice window, set the parameters as necessary, then click [Start] to initialize the Voice data assigned to the current Part.
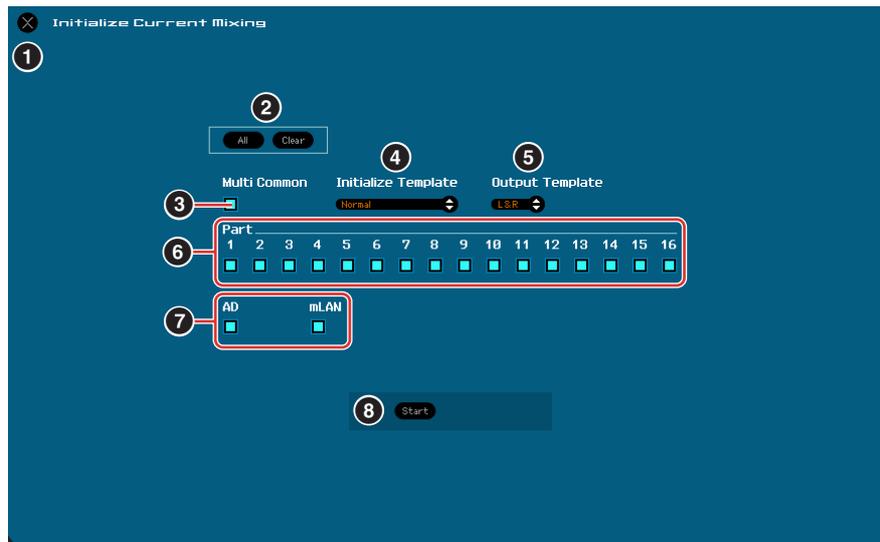
❶ [X] (Close) button

Click this to close the window without executing Initialization.

❷ [All]/[Clear] button

Clicking [All] turns all the check boxes in this window on while clicking [Clear] turns them off.

❸ [Multi Common] checkbox

When this is turned on, clicking [Start] initializes the settings of all the Multi Common parameters.

❹ Initialize Template

The following templates for initializing are available.

Normal:

When this is selected, clicking [Start] initializes the Editor setup to the normal default settings.

GM:

When this is selected, clicking [Start] initializes the Editor Setup so that the MOTIF XS can be used as a GM tone generator.

Contemporary R&B – TurkishPop:

When one of these templates is selected, clicking [Start] initializes the Editor Setup so that the MOTIF XS can be used as a tone generator which matches the name of the selected template.

❺ Output Template

Sets the Output jack for audio signal of all the Parts to "L&R" or "mLAN."

❻ Part [1] – [16] checkboxes

Clicking [Start] initializes the settings of all parameters for the Parts which are turned on here.

❼ [AD]/[mLAN] checkbox

When this is turned on, clicking [Start] initializes the settings of all parameters for the AD/mLAN Part.

❽ [Start] button

After setup is completed, click [Start] to initialize the Mixing setup and close the window.

Store Global

Simply selecting this menu will store the Global settings. The Global settings will be stored only to the internal memory of the MOTIF XS instrument.

Store Voice

From the window selected via this menu, you can store the edited Voice. The current Voice is stored in the Voice mode while the Voice assigned to the current Part is stored in the Song or Pattern mode. Select the desired Bank folder (❺), select the number of the destination Voice (❻), input the Voice name (❷), then click the [Store] button to store the Voice as a User Voice or Mixing Voice (available only in the Song or Pattern mode).
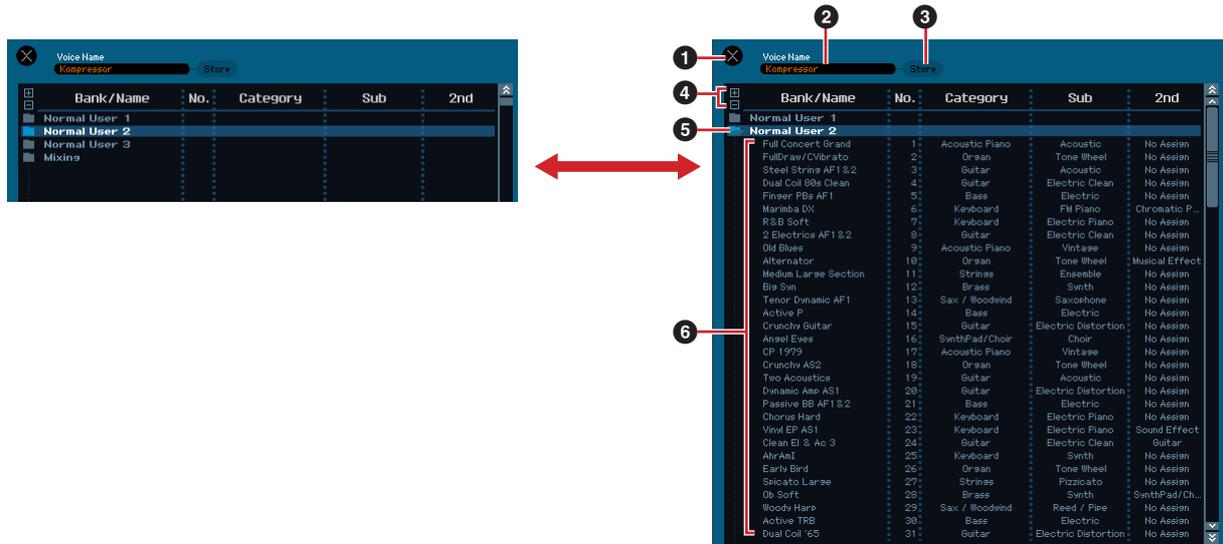
❶ [X] (Close) button

Click this to close this window without executing the Store operation.

❷ Voice Name

Enter an original name for the Voice to be stored.

❸ [Store] button

Click this to store the edited Voice to the specified Bank and number.

⚠ CAUTION

Like other parameters, the Voice data is synchronized with the MOTIF XS instrument when ONLINE (page 12) is indicated. This means that clicking [Store] in this window stores the edited Voice to the corresponding Bank in the internal memory of the MOTIF XS instrument. Be careful not to overwrite any important data.

❹ [+]/[−] buttons

Pressing the [+] button opens all the Bank folders, while pressing the [−] button closes them.

❺ **Bank folder**

This section indicates the following Banks to which you can store the edited Voice.
• Normal User 1
• Normal User 2
• Normal User 3
• Drum User
• Mixing

Clicking on each Bank folder opens it and all the Voices stored in the Bank appear as illustrated above (from the left illustration to the right one). When clicking the Bank folder again, it closes as illustrated above (from the right illustration to the left one).
Note that the indicated Bank differs depending on the current mode and current Voice type. The Mixing Bank is shown only in the Song or Pattern mode. The Drum User Bank is shown only when the Drum Voice is selected (in the Voice mode) or the Drum Voice is assigned to the current Part (in the Song or Pattern mode). Likewise, the Normal User Bank is shown only when the Normal Voice is selected (in the Voice mode) or the Normal Voice is assigned to the current Part (in the Song or Pattern mode).

❻ **Voices**

The Voices in the selected Bank are listed. Before clicking the [Store] button, you need to select the number of the destination Voice here. Right clicking on this section calls up the menus "All Open" and "All Close," letting you open or close all the Bank folders.

Store Mixing (only in the Song or Pattern mode)

Simply selecting this menu will store the Mixing settings in the Song or Pattern mode. The Mixing settings will be stored to the internal memory (overwritten to the Mixing setup of the currently selected Song or Pattern) of the MOTIF XS instrument.

Voice Compare (only in the Voice mode)

This menu lets you switch between the just-edited Voice and its original, unedited condition, allowing you to hear how your edits affect the sound. Select "Voice Compare" to enter the Voice Compare mode. In this mode, you can hear the sound of the original Voice and none of the parameters in the window can be edited. Select "Voice Compare" again to return to the original status.

NOTE The status of the MOTIF XS instrument is maintained even if you enable the Voice Compare mode on the MOTIF XS Editor.

Mixing Compare (only in the Song or Pattern mode)

This menu lets you switch between the just-edited Mixing and its original, unedited condition, allowing you to hear how your edits affect the sound. Select "Mixing Compare" to enter the Mixing Compare mode. In this mode, you can hear the sound of the original Mixing setup and none of the parameters in the window can be edited. Select "Mixing Compare" again to return to the original status.

NOTE The status of the MOTIF XS instrument is maintained even if you enable the Mixing Compare mode on the MOTIF XS Editor.

[Bulk] menu

Data Sync

Select this menu to call up the Initialize Data Sync window, set the parameters as necessary, then click [Start] to transmit the specified data from/to the MOTIF XS Editor to/from the MOTIF XS instrument.

❶ [X] (Close) button

Click this to close this window without executing Data Sync.

❷ [Transmit]/[Receive] checkboxes

Determines whether the MOTIF XS Editor transmits data to the MOTIF XS or receives data from the MOTIF XS.

[Transmit] checkbox:

When this is checked, clicking [Start] button transmits data from the Editor to the instrument.

[Receive] checkbox:

When this is checked, clicking [Start] button transmits data from the instrument to the Editor.

❸ Data type to be transmitted/received

Here, you can set which data type is to be transmitted or received. Clicking the [All] button turns all the data types on while clicking the [Clear] button turns all the data types off.

Current

Turn this on then click the [Start] button to transmit or receive the Current settings.

Global

Turn this on then click the [Start] button to transmit or receive the Global settings.

Preset (Favorites)

Turn this on then click the [Start] button to transmit or receive the Favorites-related settings of the Preset Voice(s).

Normal User 1 – 3

Turn this on then click the [Start] button to transmit or receive the data of the Normal User Voice Bank 1, 2, and 3 respectively.

Drum User

Turn this on then click the [Start] button to transmit or receive the data of the Drum User Voice Bank.

❹ **Progress Bar**

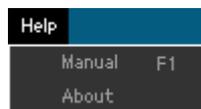Shows how much of the data has been transmitted.

❺ **[Start] button**

After setup is completed, click the [Start] button to actually execute data transmission.

❻ **[Stop] button**

This button is available only when data transmission is being executed and allows you to cancel the transmission.

[Help] menu

Manual

Selecting this menu calls up this manual in PDF format.

About

Selecting this menu calls up information such as the version number of the MOTIF XS Editor.
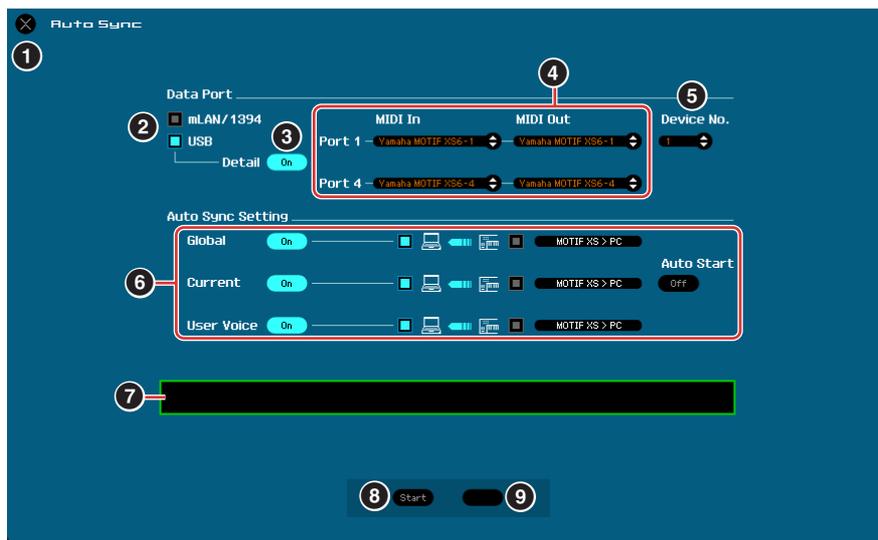
Auto Sync window

This window is used for changing the status of the Editor from "OFFLINE" to "ONLINE." While editing a parameter on the Editor affects the same parameter on the MOTIF XS instrument and vice versa in the Online status, you can disable the "mirroring" of parameter changes between the devices by switching to Offline status. The Auto Sync window can be called up by clicking "OFFLINE" on the Editor window when the Editor is in the Offline status. The Auto Sync window can also be called up automatically (without clicking "OFFLINE") under the following circumstances:

- When opening a file.
- When creating a new file by selecting "New" under the File menu.
- When changing the mode on the Editor in the Online status of the Editor.
- When changing the mode on the MOTIF XS instrument in the Online status of the Editor.
- When the connection between the MOTIF XS and a computer are corrected after appropriately correcting the setup of the MOTIF XS and the computer.
- When the settings on the MOTIF XS instrument and the computer are corrected after appropriately reconnecting the devices.

NOTE If the Auto Start parameter is set to "On" in the Auto Sync window, data synchronization may be started automatically as soon as the Auto Sync window is opened in certain conditions. For details, see page 40.

On the Auto Sync window, set the Data Port properly then click [Start] button to execute data synchronization. As soon as the data synchronization is completed, the Auto Sync window is closed then the OFFLINE indication changes to ONLINE automatically.

❶ [X] (Close) button

Click this to close this window without executing data synchronization.

❷ [mLAN1394]/[USB] checkboxes

❸ [Detail] button

❹ Port

❺ Device No.

❻ Auto Sync Setting

These parameters are same as in the Setup window. See page 39.

❼ Progress Bar

❽ [Start] button

❾ [Stop] button

These parameters are same as in the Data Sync window. See page 50.

Troubleshooting

If you encounter problems such as no sound output or abnormal behavior, verify the connections before checking the following.

Sound does not change when using the knobs or sliders.

- Is "ONLINE" indicated on the Editor window?
- Is the lamp at left of "ONLINE" indicator turned on?
  If it is turned off, the settings related to communication between the MOTIF XS and a computer may be wrong. Check the MIDI Port setting (page 39) on the MOTIF XS Editor and Studio Manager, the MIDI IN/OUT parameter setting in the MIDI display of the Utility mode on the MOTIF XS instrument, or the cable connection between the MOTIF XS and the computer.
- Check the MIDI Port setting and Device No. setting. (page 40)

Bulk data is not transmitted/received successfully.

- Check the same points as above such as "ONLINE" indication and MIDI Port settings.

The appropriate Port is not shown in the Setup window.

- The MIDI Port in the Setup window can be selected from the Ports specified in the host application. Check the MIDI Port settings in the host application.
- When "!" is shown at left of the Port name (e.g., "! Yamaha USB IN 0-1"), this indicates that the previously used Port cannot be found or some Ports are not set properly. Check the MIDI Port settings in the host application.