YAMAHA

S90 ES Voice Editor/Multi Part Editor Installation Guide

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Precautions when using the USB TO HOST connector

When connecting the computer to the USB TO HOST connector, make sure to observe the following points. Failing to do so risks freezing the computer and corrupting or even losing the data. If the computer or the instrument freezes, turn the power to the instrument off or restart the computer.

⚠**CAUTION**
- Before connecting the computer to the USB TO HOST connector, exit from any power-saving mode (such as suspended, sleep, standby) of the computer.
- Before turning on the power to the instrument, connect the computer to the USB TO HOST connector.
- Execute the following before turning the power to the instrument on/off or plugging/unplugging the USB cable to/from the USB TO HOST connector.
  - Quit any open applications.
  - Make sure that data is not being transmitted from the instrument. (Data is transmitted only by playing notes on the keyboard or playing back a song.)
- While a USB device is connected to the instrument, you should wait for six seconds or more between these operations: (1) when turning the power of the instrument off then on again, or (2) when alternately connecting/disconnecting the USB cable.

Voice Editor and Multi Part Editor

The Voice Editor and Multi Part Editor provide a highly intuitive way to create and edit the Voice and Mixing settings (Multi settings) completely from your computer display. These programs not only allow you to see virtually all parameters at once, they also give you direct graphic control—for example, letting you adjust the settings by clicking and dragging on a graph—enabling you to edit Voices and Multis with remarkable efficiency, speed and convenience.

These applications can be used within DAW (digital audio workstation)/sequencer software compatible with Total Recall of Studio Connections, or can be used as stand-alone programs.

NOTE On Windows, these applications can be used on an OPT-compatible sequencer (such as the SQ01).

Installing the Software

The actual installation steps and the use of the software itself differs depending on the operating system that you are using. Please refer to the appropriate installation instructions.

	Procedures	Windows	Macintosh
1	Verify that your system meets the operating requirements of each software program.	page 4	page 7
2	Install the appropriate driver to your computer.	page 5	page 8
3	Install the Studio Manager and each editor.	page 6	page 9
4	Start up the Studio Manager, then start up the editor.	page 10	

For subsequent operations, refer to the PDF manual from the [HELP] menu in each software program.

Minimum System Requirements

The system requirements below may differ slightly depending on the particular operating system.

S90 ES Voice Editor

OS	Windows XP Home Edition/XP Professional
Computer	800 MHz or higher; Intel Pentium/Celeron processor
Available Memory	256 MB or more
Hard Disk	30 MB or more
Display	1024 x 768, high color (16 bit) or higher
Other	USB-MIDI Driver (for Windows XP/2000) version 2.1.6 or later

S90 ES Multi Part Editor

OS	Windows XP Home Edition/XP Professional
Computer	800 MHz or higher; Intel Pentium/Celeron processor
Available Memory	256 MB or more
Hard Disk	30 MB or more
Display	1024 x 768, high color (16 bit) or higher
Other	USB-MIDI Driver (for Windows XP/2000) version 2.1.6 or later

NOTE The Minimum System Requirements described above are applied to the S90 ES Voice Editor version 2.1.5 and S90 ES Multi Part Editor version 2.1.5. Keep in mind that the software is often updated and the system requirements are subject to change. You can check the latest version information of each program and its system requirements at the following website
http://www.yamahasynth.com/

The system requirements may differ slightly depending on the particular computer.

Windows Software Installation

To use the Voice Editor or Multi Part Editor, you'll need to install the following software programs. Follow the appropriate instructions below corresponding to the software you're using.

- **USB-MIDI driver (when connecting via USB) or mLAN Tools (when connecting via mLAN)**
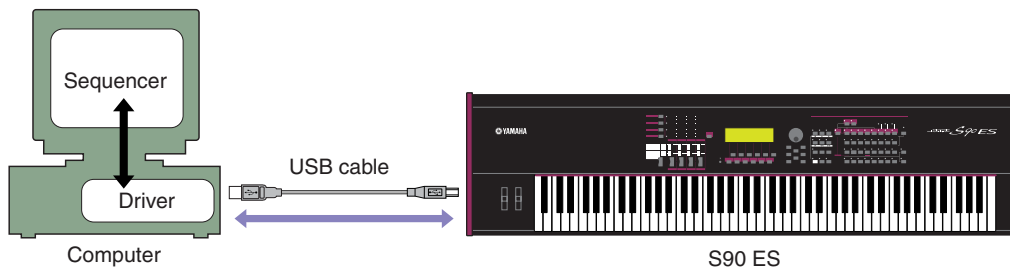- **Studio Manager**
- **S90 ES Voice Editor/Multi Part Editor**

Driver Installation

Depending on the cable connection you are using, install the USB-MIDI driver or mLAN Tools.

NOTE You can also use MIDI cables to connect the S90 ES to the computer. For details, refer to the owner's manual of your particular MIDI interface.

• USB-MIDI Driver

To operate your Yamaha hardware from your computer via USB, you'll need to install the USB-MIDI driver software. The USB-MIDI driver is software that transfers MIDI data back and forth between your sequencer software and the hardware via a USB cable.
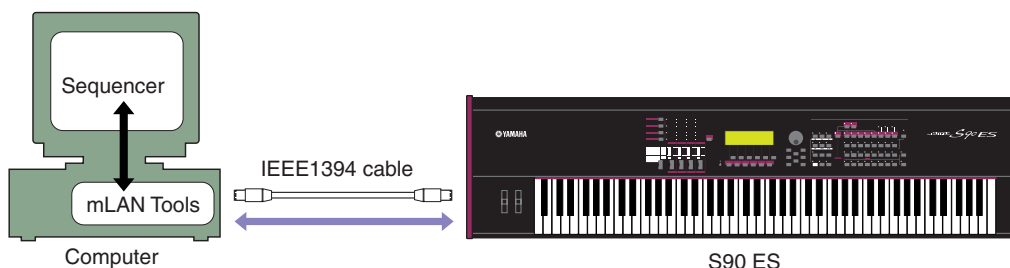

You can download the latest version of the USB-MIDI driver at the following website. For specific installation instructions, refer to the installation guide included in the downloaded file.
http://www.global.yamaha.com/download/usb_midi/

• mLAN Tools

To operate your mLAN device from your computer via mLAN, you'll need to install the mLAN Tools software. Included with mLAN Tools are driver and applications software for transferring audio/MIDI data, and setting the audio/MIDI connections between the computer and the mLAN devices via an mLAN cable.

You can download the latest version of mLAN Tools at the following website. For specific installation instructions, refer to the installation guide included in the downloaded file.
http://www.yamahasynth.com/download/

Studio Manager Installation

Studio Manager is a cross-platform application that enables you to use multiple Editor programs for remotely controlling Yamaha hardware from your computer, and allows you to save the Editor settings for instant recall. For specific instructions on using the software, refer to the PDF manual from the [HELP] menu in the Studio Manager and each Editor.

You can download the latest version of Studio Manager at the following website. For specific installation instructions, refer to the installation guide included in the downloaded file.
http://www.yamahasynth.com/download/

S90 ES Voice Editor and S90 ES Multi Part Editor Installation

The Voice Editor and Multi Part Editor provide a highly intuitive way to create and edit the Voice and Mixing (Multi) settings completely from your computer connecting the S90 ES.
Follow the instructions below to install the software programs.

1 Extract the data from the downloaded compressed file and open the "s9ev***w" or "s9em***w" folder.
"***" represents the version number.

2 Double-click "setup.exe."
A setup dialog of Voice Editor or Multi Part Editor is displayed.

3 Follow the on-screen instructions to install the software.
For specific instructions on using the software, refer to the PDF manual from the [HELP] menu in each program.

Uninstall (removing the installed application)

To remove the installed editors and Studio Manager:
Select [START] → [Control Panel] → [Add/Remove Programs] → [Install/Uninstall], then select the application to be removed and click [Add/Remove…].
Follow the on-screen instructions to uninstall the application.

NOTE The button names or menus may differ depending on the computer OS.

For Macintosh Users

Minimum System Requirements

The system requirements below may differ slightly depending on the particular operating system.

S90 ES Voice Editor

OS	Mac OS X 10.3 or later
Computer	Macintosh computer with G4 or later CPU
Available Memory	512 MB or more
Hard Disk	30 MB or more
Display	1024 x 768, 32,000 colors or more
Other	USB-MIDI Driver (for Mac OS X) version 1.0.4 or later Studio Manager version 2.1.8 or later

S90 ES Multi Part Editor

OS	Mac OS X 10.3 or later
Computer	Macintosh computer with G4 or later CPU
Available Memory	512 MB or more
Hard Disk	30 MB or more
Display	1024 x 768, 32,000 colors or more
Other	USB-MIDI Driver (for Mac OS X) version 1.0.4 or later Studio Manager version 2.1.8 or later

NOTE The Minimum System Requirements described above are applied to the S90 ES Voice Editor version 2.1.5 and S90 ES Multi Part Editor version 2.1.5. Keep in mind that the software is often updated and the system requirements are subject to change. You can check the latest version information of each program and its system requirements at the following website.
http://www.yamahasynth.com/

The system requirements may differ slightly depending on the particular computer.

Macintosh Software Installation

To use the Voice Editor or Multi Part Editor, you'll need to install the following software programs. Follow the appropriate instructions below corresponding to the software you're using.

- **USB-MIDI driver (when connecting via USB) or mLAN Tools (when connecting via mLAN)**
- **Studio Manager**
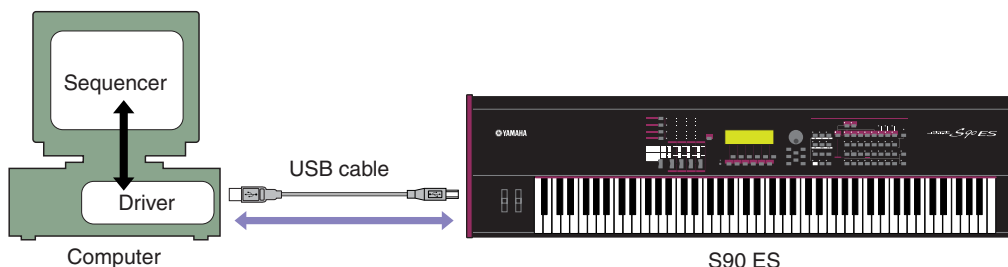- **S90 ES Voice Editor/Multi Part Editor**

Driver Installation

Depending on the cable connection you are using, install the USB-MIDI driver or mLAN Tools.

NOTE You can also use MIDI cables to connect the S90 ES to the computer. For details, refer to the owner's manual of your particular MIDI interface.

• USB-MIDI Driver

To operate your Yamaha hardware from your computer via USB, you'll need to install the USB-MIDI driver software. The USB-MIDI driver is software that transfers MIDI data back and forth between your sequencer software and the hardware via a USB cable.
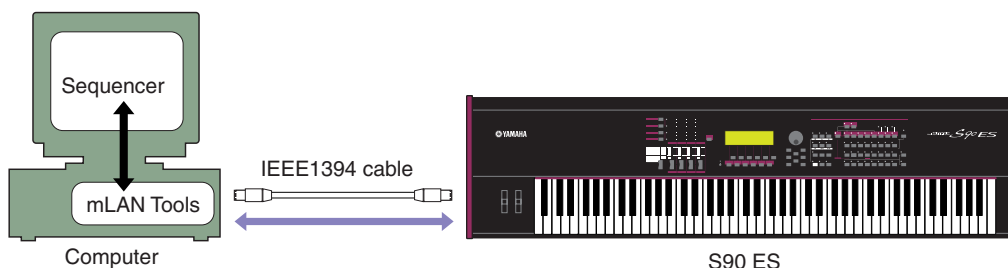

You can download the latest version of the USB-MIDI driver at the following website. For specific installation instructions, refer to the installation guide included in the downloaded file.
http://www.global.yamaha.com/download/usb_midi/

• mLAN Tools

To operate your mLAN device from your computer via mLAN, you'll need to install the mLAN Tools software. Included with mLAN Tools are driver and applications software for transferring audio/MIDI data, and setting the audio/MIDI connections between the computer and the mLAN devices via an mLAN cable.

You can download the latest version of mLAN Tools at the following website. For specific installation instructions, refer to the installation guide included in the downloaded file.
http://www.yamahasynth.com/download/

NOTE Depending on your OS version, the mLAN connection may not function properly. For details, refer to the installation guide included with mLAN Tools.

Studio Manager Installation

Studio Manager is a cross-platform application that enables you to use multiple Editor programs for remotely controlling Yamaha hardware from your computer, and allows you to save the Editor settings for instant recall. For specific instructions on using the software, refer to the PDF manual from the [HELP] menu in the Studio Manager and each Editor.

You can download the latest version of Studio Manager at the following website. For specific installation instructions, refer to the installation guide included in the downloaded file.
http://www.yamahasynth.com/download/

S90 ES Voice Editor and S90 ES Multi Part Editor Installation

The Voice Editor and Multi Part Editor provide a highly intuitive way to create and edit the Voice and Mixing (Multi) settings completely from a computer connected to the S90 ES.
Follow the instructions below to install the software programs.

1 Extract the data from the downloaded compressed file and open the "s9ev***mx" or "s9em***mx" folder.

"***" represents the version number.

2 Double-click "Install S90 ES VCE.pkg" or "Install S90 ES VCE.pkg."

The setup dialog for the Voice Editor or Multi Part Editor is displayed.

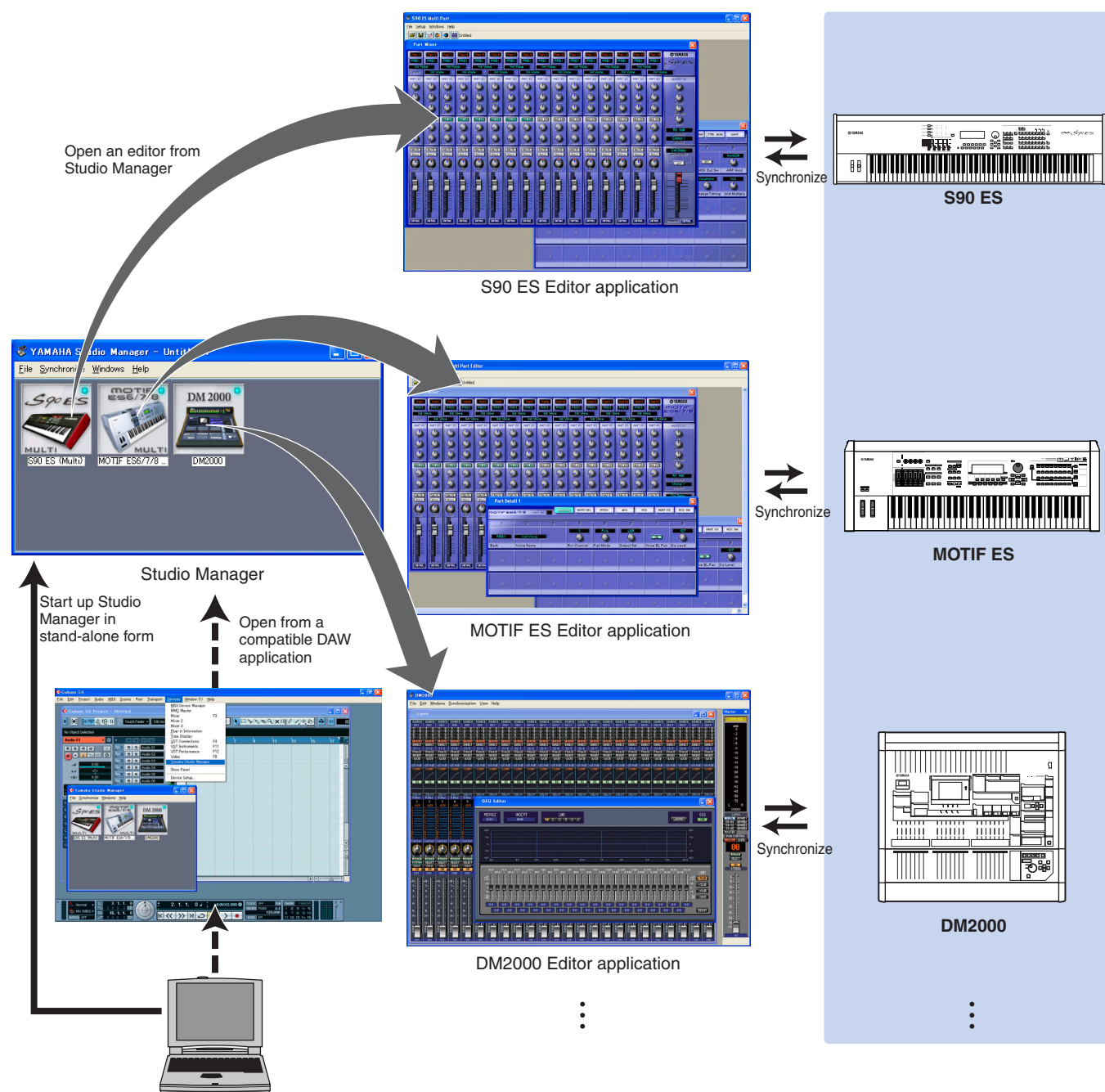**3** Follow the on-screen instructions to install the software.

For specific instructions on using the software, refer to the PDF manual from the [HELP] menu in each program.

Getting Started (for both Windows/Macintosh)

Overview of Studio Manager and Total Recall

Studio Manager is a cross-platform application that enables you use multiple Editor programs for remotely controlling Yamaha hardware from your computer, and allows you to save the Editor settings for instant recall. You can run Studio Manager as a stand-alone application, or as a plug-in within DAW (digital audio workstation)/ sequencer applications that are compatible with Studio Connections, such as Cubase SX 3 or later. In either case, the basic functionality is the same. For the latest information on compatible DAW applications, refer to the following website.
http://www.studioconnections.org/

Open an editor from Studio Manager

S90 ES Editor application

Synchronize

S90 ES

Studio Manager

Start up Studio Manager in stand-alone form

Open from a compatible DAW application

MOTIF ES Editor application

Synchronize

MOTIF ES

DM2000 Editor application

Synchronize

DM2000

The settings of each editor can be saved and recalled together from Studio Manager or the DAW application. In other words, you can change the settings of your entire system in a single operation by recalling the settings for multiple devices from Studio Manager or your DAW application. This capability is referred to as "total recall." When you want to save setting files, you can do this from Studio Manager to recall multiple devices at once, or from an individual Editor to recall only a specific device. When you save your settings in your DAW application, the Studio Manager settings will also be saved together with the DAW application file, and can also be recalled in the same way.

Starting and setting up Studio Manager

You'll need to perform the following setup in order to use the editors in Studio Manager.

1 Start up Studio Manager.

- When starting from a DAW compatible with Studio Connections:
  For details, refer to your DAW owner's manual.
  The following procedure applies to Cubase SX 3.
  From Cubase SX's [Device] menu, choose [Yamaha Studio Manager] to open the Studio Manager window.

- When starting as a stand-alone application:
  Windows XP: Click the [Start] button, place your mouse cursor over [Programs (All Programs)] → [YAMAHA Studio Manager], then click [Studio Manager].

  Mac OS X: Open folders in the order of "Applications" → "YAMAHA" → "Studio Manager," and double-click "SM2."

2 Set up Studio Manager.
For details, refer to the PDF manual, found in the [Help] menu on the Studio Manager.

3 Start up each editor.
In the Studio Manager window, double-click the icon for each editor.

Studio Manager window

4 Set up each editor.
For details, refer to the PDF manual, found in the [Help] menu on each editor.

5 Synchronize each editor with your mixing console.
For details, refer to the PDF manual, found in the [Help] menu on each editor.

Audio Integration

Since the S90 ES Voice Editor and Multi Part Editor are compatible with Audio Integration, you can also start the Editors within the DAW as easily as you would with any plug-in software synthesizer.
For details about Audio Integration, visit our web site at:
http://www.studioconnections.org/

NOTE The Voice Editor and Multi Part Editor can also be used as plug-in software within an OPT-compatible sequencer software. For details, refer to the Voice Editor or Multi Part Editor PDF manual.

Troubleshooting

When controlling the S90 ES from your computer via USB/mLAN, the S90 ES does not operate correctly or no sound is heard.

- Did you install the latest driver?
  ....Windows: page 5, Macintosh: page 8

- Is the USB/mLAN cable connected correctly?
  .... S90 ES Owner's Manual

- Are the volume settings of the tone generator, playback device, and application program set to the appropriate levels?
  ....Owner's manuals for the S90 ES and your particular DAW/sequencer.

- Have you selected an appropriate port in the S90 ES or DAW/sequence software?
  ....Owner's manuals for the S90 ES and your particular DAW/sequencer.

- If your computer has automatically activated any power-saving mode (such as suspended, sleep, standby) when using the USB connection, the computer may "freeze," or the driver may stop working. When using USB, disable any power-saving mode on the computer.

Playback response is delayed.

- Does your computer satisfy the system requirements?
  ....Windows: page 4, Macintosh: page 7

- Is any other application or device driver running?