



S90 XS/S70 XS 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.

S90 XS/S70 XS Editor

S90 XS/S70 XS Editor is a convenient tool which lets you edit and save the various parameters of your S90 XS/S70 XS instrument. These include Voice and Mixing parameters (edited in the Voice or Multi mode of the S90 XS/S70 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 S90 XS/S70 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 S90 XS/S70 XS instrument. You can use the S90 XS/S70 XS Editor as a plug-in for the software listed below.

- **Studio Manager**
- **DAW application software compatible with Studio Connections**

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.

- 1** Verify that your system meets the operating requirements of each software programpage 4
- 2** Install the appropriate driver to your computerpage 5
- 3** Install the Studio Manager and the S90 XS/S70 XS Editor.....page 6
- 4** Start up the Studio Manager, then start up the S90 XS/S70 XS Editorpage 8

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

Minimum System Requirements

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

Windows

OS	Windows Vista/Windows XP Home Edition/XP Professional
Computer	Intel Pentium 1.4 GHz or higher
Available Memory	512 MB or more
Hard Disk	200 MB or more
Display	1024 x 768, high color (16 bit) or higher
Other	Studio Manager version 2.3.0 or later Cubase 4, Cubase Studio 4, Cubase Essential 4, Cubase AI 4, Cubase 5, Cubase Studio 5

Macintosh

OS	Mac OS X 10.4 or later
Computer	Power PC G4 1GHz or higher CPU / Intel CPU
Available Memory	512 MB or more
Hard Disk	200 MB or more
Display	1024 x 768, high color (16 bit) or higher
Other	Studio Manager version 2.3.0 or later Cubase 4, Cubase Studio 4, Cubase Essential 4, Cubase AI 4, Cubase 5, Cubase Studio 5

NOTE 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.yamahasyth.com/>

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

When using the S90 XS/S70 XS Editor as a plug-in within a DAW program, refer to the minimum requirements for the DAW software you are using as well as the minimum requirements for the S90 XS/S70 XS Editor given above.

Software Installation

To use the S90 XS/S70 XS 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**
- **Studio Manager**
- **S90 XS/S70 XS Editor**

USB-MIDI Driver Installation

To operate your Yamaha hardware from your computer via a USB cable, you'll need to install the USB-MIDI driver. The USB-MIDI Driver is necessary when using a USB connection to transfer MIDI data back and forth between your computer's DAW software and the S90 XS/S70 XS.



Make sure to check the following website for installation and up-to-date news on the USB-MIDI driver.
http://www.global.yamaha.com/download/usb_midi/

NOTE S90 XS/S70 XS Editor cannot be used over a MIDI connection.

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.yamahasynt.com/download/>

S90 XS/S70 XS Editor Installation

Follow the instructions below to install the S90 XS/S70 XS Editor programs.

[Windows]

- 1 After the downloaded compressed file is properly extracted, double-click the “setup.exe” file.
The S90 XS/S70 XS Editor setup dialog appears.
- 2 Follow the on-screen instructions to install the software.

[Macintosh]

- 1 After the downloaded compressed file is properly extracted, double-click the “install S90 XS _ S70 XS Editor.pkg” file.
The S90 XS/S70 XS Editor setup dialog appears.
- 2 Follow the on-screen instructions to install the software.

When the S90 XS/S70 XS Editor and the other necessary software is installed, you can start the S90 XS/S70 XS Editor. You'll need to start the S90 XS/S70 XS Editor from the window of Studio Manager. For details about Studio Manager or starting and setting up Studio Manager, refer to the “Getting Started” on [page 7](#).

Windows Software Uninstall (removing the installed application)

To remove the installed editors and Studio Manager from Windows:

Select [START] → [Control Panel] → [Add or Remove Programs] → “Change or Remove Programs,” then select the application to be removed and click [Change/Remove].

Follow the on-screen instructions to uninstall the application.

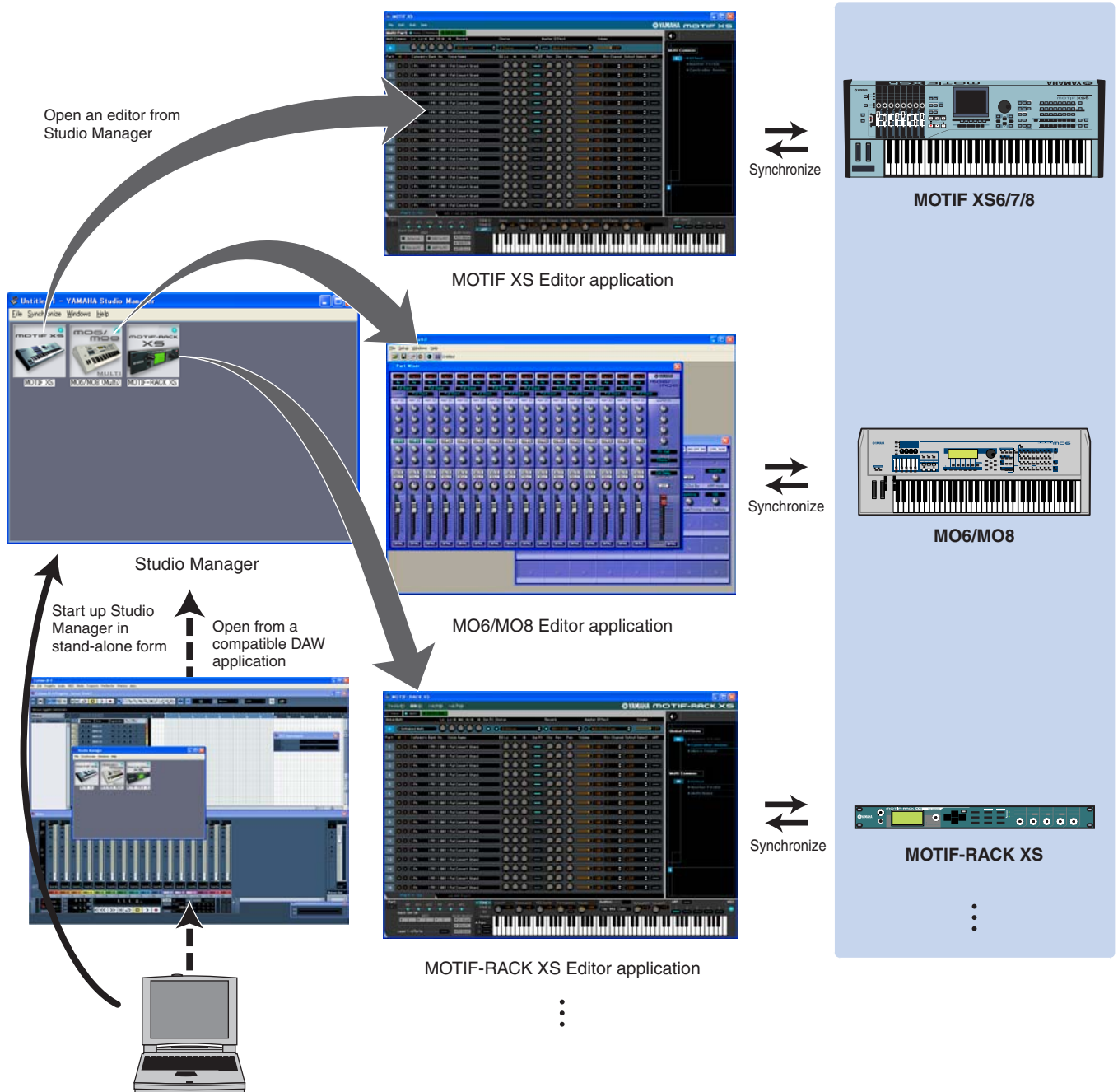
NOTE The button names or menus may differ depending on the computer OS.

Getting Started

Overview of Studio Manager and 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/>



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 "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 4.

From Cubase 4's [Device] menu, choose [Yamaha Studio Manager] to open the Studio Manager window.

- **When starting as a stand-alone application:**

Windows: 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 If the S90 XS/S70 XS Editor icon isn't displayed on the workspace of the Studio Manager window, add the S90 XS/S70 XS Editor to the Studio Manager workspace.

Select [File] menu → [Setup] → "Modify Workspace", then select "S90 XS/S70 XS" in the "Device Editor" of the "Add Device" and click [Add →]. Make sure that "S90 XS/S70 XS" is listed in the "Workspace" column, then click [OK].

NOTE If the S90 XS/S70 XS Editor is installed with the box next to "Add the Editor to the Studio Manager Workspace" checkmarked, the S90 XS/S70 XS Editor icon is automatically added to the workspace of the Studio Manager window when Studio Manager is started.

3 Set the MIDI Ports.

When starting Studio Manager as a plug-in of the DAW application:

Set the MIDI Ports on the DAW application. For details, refer to the manual of the DAW application.

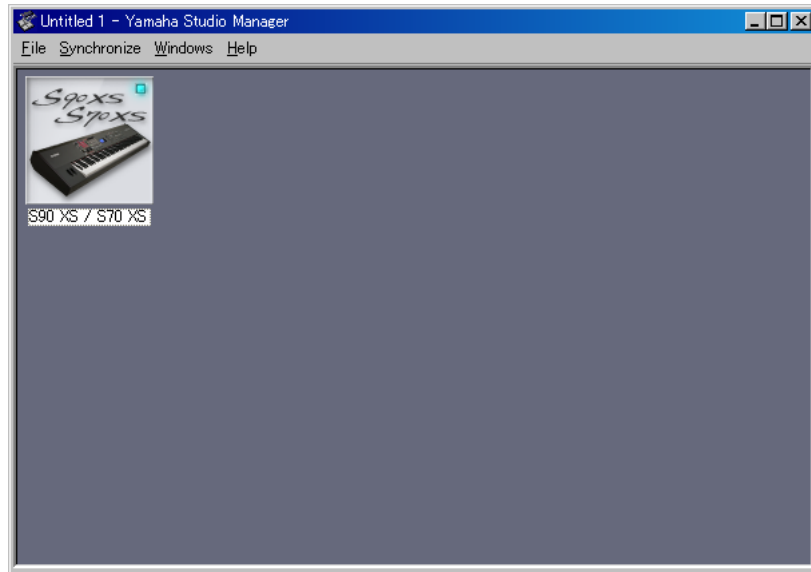
NOTE When using Cubase 4 or later, the MIDI Ports are automatically set simply by starting Studio Manager from Cubase.

When starting Studio Manager as a stand-alone application:

Set the MIDI Ports by calling up the MIDI Ports window via [MIDI Ports]/[MIDI Settings]. Enter checkmarks to the boxes of Ports 1 and 4 for the S90 XS/S70 XS for both the Input Ports and the Output Ports.

4 Start up the S90 XS/S70 XS Editor.

In the Studio Manager window, double-click the icon for the S90 XS/S70 XS Editor.



Studio Manager window

5 Set up the S90 XS/S70 XS Editor.

For details, refer to the PDF manual, found in the [Help] menu on the S90 XS/S70 XS Editor.

6 Synchronize the S90 XS/S70 XS 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 XS/S70 XS Editor is compatible with Audio Integration, you can also start the Editor 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/>

Troubleshooting

When starting the S90 XS/S70 XS Editor after the installation and controlling the S90 XS/S70 XS from your computer via a USB cable, the S90 XS/S70 XS does not operate correctly.

- Did you install the latest USB-MIDI Driver? [page 5](#)
- Is the USB cable used to connect the S90 XS/S70 XS to your computer connected correctly?
..... [S90 XS/S70 XS Owner's Manual](#)
- If your computer has automatically activated any power-saving mode (such as suspended, sleep, standby) when you make a USB connection, the computer may “freeze,” or the driver may stop working. When using a USB cable, disable any power-saving mode on the computer.
- Confirm whether or not a proper USB cable is used.
If the USB cable is broken or damaged, have the USB cable replaced with a known working one.
- Do not use a USB hub for connecting multiple USB devices.

Screen redrawing is slow or stopped.

- Does your computer satisfy the system requirements? [page 4](#)
- Is any other application or device driver running?
Quit the device driver or any unnecessary applications before operating the S90 XS/S70 XS Editor.