



S90 XS/S70 XS Editor VST 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 VST

S90 XS/S70 XS Editor VST is a convenient tool which lets you edit and save the various parameters of your S90 XS/S70 XS instrument. These include Common/Part Mixing parameters (edited in the Multi mode of the S90 XS/S70 XS) such as Volume, Pan, EG, and Cutoff, as well as parameters of a Voices assigned to each Part (edited in the Voice mode of the S90 XS/S70 XS). Thanks to the 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.

The S90 XS/S70 XS Editor VST, based on the “VST3 technology” by Steinberg, works as a VST3 plug-in with Cubase series 4.5 or later (DAW application). The S90 XS/S70 XS Editor VST also works as the same way as other VST instrument software, allowing you to save the edited settings of the S90 XS/S70 XS, or use them for another project. In addition, you can handle the S90 XS/S70 XS Voices in the Media Bay window in Cubase when using the S90 XS/S70 XS Editor VST with Cubase 4.5 or later, allowing you to search for, listen, and play the S90 XS/S70 XS Voices within Media Bay in Cubase. The S90 XS/S70 XS Editor VST provides a comprehensive and seamless music production environment – making the use of hardware and software both easier and much more efficient.

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 (DAW application) meets the operating requirements of each software programpage 4
- 2** Install the appropriate driver to your computerpage 5
- 3** Install the S90 XS/S70 XS Editor VSTpage 6
- 4** Start up the S90 XS/S70 XS Editor VST in the DAW applicationpage 6

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	1280 x 800, full color (32 bit)
DAW Application	Cubase 4.5.2 / Cubase Studio 4.5.2 / Cubase Essential 4.5.2 / Cubase AI 4.5.2 or later

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	1280 x 800, full color (32 bit)
DAW Application	Cubase 4.5.2 / Cubase Studio 4.5.2 / Cubase Essential 4.5.2 / Cubase AI 4.5.2 or later

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 VST, refer to the minimum requirements for the DAW application you are using as well as the minimum requirements for the S90 XS/S70 XS Editor VST given above.

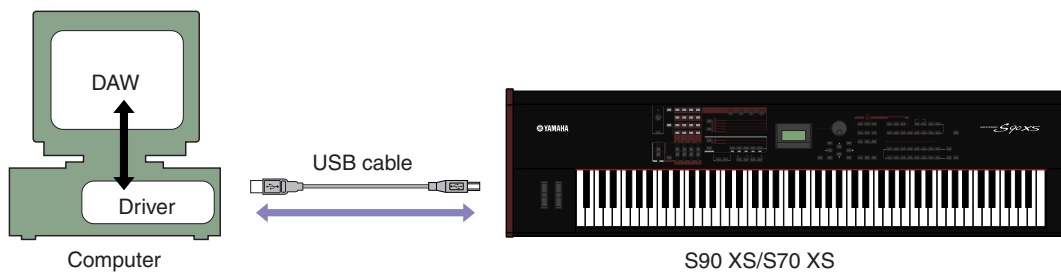
Software Installation

To use the S90 XS/S70 XS Editor VST as a VST3 plug-in of the DAW application, you'll need to install the following software programs. Follow the appropriate instructions below corresponding to the software you're using.

- **USB-MIDI Driver**
- **S90 XS/S70 XS Editor VST**

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 application 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 VST cannot be used over a MIDI connection.

NOTE Make sure to properly install an audio device when connecting the S90 XS/S70 XS instrument to the computer via USB cable. For more details, refer to the section "Audio Connection to the Computer" (page 6).

S90 XS/S70 XS Editor VST Installation

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

[Windows]

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

When the S90 XS/S70 XS Editor VST and the other necessary software is installed, you can start the S90 XS/S70 XS Editor VST. You'll need to start the S90 XS/S70 XS Editor VST from the VST Instrument window of DAW application. For details about starting and setting up the DAW application, refer to the manual of the DAW application.

Windows Software Uninstall (removing the installed application)

To remove the installed editors from Windows:

Select [START] → [Control Panel] → [Add or Remove Programs] → “Change or Remove Programs”, then select [Yamaha S90 XS/S70 XS Editor VST] 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.

Audio Connection to the Computer

An audio connection between the S90 XS/S70 XS instrument and the computer is needed to use the S90 XS/S70 XS Editor VST correctly. With such a connection, the S90 XS/S70 XS Editor VST provides full functionality, including the freeze function, mixing within the Audio Mixer of Cubase, and other convenient features common to other VST instrument software.

When using the USB-MIDI Driver, you need an audio interface to connect to the S90 XS/S70 XS. After installation of the audio device, select the audio ports in the VSTi Setup window within the S90 XS/S70 XS Editor VST.

NOTE When using the MIDI connection via USB-MIDI Driver, you need to select the audio ports in the VSTi Setup window. If no audio port is selected, or no audio device is installed to the computer, an error message appears. Make sure to set the audio ports in the VSTi Setup window.

Troubleshooting

When starting the S90 XS/S70 XS Editor VST 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 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 VST.