

Yamaha Steinberg FW Driver V1.5.2 for Windows Release Notes

Main Revisions and Enhancements

V1.5.1 to V1.5.2

- Now provides utility software which can change the settings of Yamaha Steinberg FW Driver when noise occurs in the following situation:
 - Audio latency is at the maximum setting.
 - An IEEE1394 interface with circuitry made by O2Micro or JMicron is used.
- For more details, refer to "[About the Utility Software](#)" section in this document.
- (Vista 64-bit) Solved a problem in which when the control panel of Yamaha Steinberg FW Driver is opened via the "Control Panel" of Windows, the Program Compatibility Assistant (PCA) may start, if you quit the control panel of Yamaha Steinberg FW Driver.
- Minor bug fixes

Update History

V1.1.0 to V1.5.1 (32-bit)

V1.2.0 to V1.5.1 (64-bit)

- Now supports Windows 7.
- (Windows Vista/7) Added the "Enable MMCSS" function which improves program performance. You can switch this function on/off in the Control Panel of Yamaha Steinberg FW Driver.
- Improved the input latency in Windows Vista 64-bit with 4GB or more memory.
- Fixed a problem in which you cannot change the settings in the Control Panel of Yamaha Steinberg FW Driver under the following conditions.
 1. The computer switches to hibernation mode while executing a host application.
 2. When the computer returns to normal operation from hibernation mode, the host application quits.

About the Utility Software

When noise occurs in the following situations, it may be possible to solve the problem via utility software in this package by changing the settings of the Yamaha Steinberg FW Driver.

- Audio latency is at the maximum setting.
- An IEEE1394 interface with circuitry made by O2Micro or JMicron is used.

Solution in case noise occurs, even if the setting of audio latency is set to the maximum

Generally, when noise occurs, you can solve it by setting a larger audio buffer size from the control panel of Yamaha Steinberg FW Driver. However, noise sometimes occurs, even if the audio buffer size is set to the maximum in certain environments. This often occurs because of the use of another driver (e.g., wireless LAN driver) which can affect processing of the audio driver. The best way to solve this problem is to remove the offending driver. When you are not using the wireless LAN on your computer, we recommend to turn it off or to disable it via the Device Manager of Windows.

When you cannot determine which driver is causing the noise or you cannot disable the driver, it may be possible to solve the noise problem by setting a larger IEEE1394 buffer size with the utility software.

The procedure to set the IEEE1394 buffer size is as follows:

- 1) Open the "Utility" folder in the same directory of this document.
- 2) Double-click the "ysfwutility.exe" to execute the utility software.
- 3) Select "Large" in the "IEEE1394 Buffer Size" setting section, and then click the [OK] button.
- 4) Restart the computer by following the onscreen instructions.

NOTE:

- To set the IEEE1394 buffer size to default, select "Small [default]" in the "IEEE1394 Buffer Size" setting section.
- When the IEEE1394 buffer size is changed, MIDI latency is also changed. Make sure to check the MIDI latency settings in your DAW software if you are using a MIDI device.

Solution in case noise occurs when using an IEEE1394 interface with circuitry made by O2Micro or JMicon

We checked that these circuits are not compatible with the Yamaha Steinberg FW Driver. We recommend you to use only a recommended PC or PCI card, preparing it separately. However, it may be possible to solve the noise problem by setting the transmission speed of the IEEE1394 bus to S200.

NOTE:

This setting is available only when you connect one device compatible with the Yamaha Steinberg FW Driver to the computer.

The procedure to set the IEEE1394 buffer size is as follows:

- 1) Open the "Utility" folder in the same directory of this document.
- 2) Double-click the "ysfwutility.exe" to execute the utility software.
- 3) Select "S200" in the "IEEE1394 Transmission Speed" setting section, and then click the [OK] button.
- 4) Restart the computer by following the onscreen instructions.

NOTE:

- To set the IEEE1394 Transmission Speed to default, select "S400 [default]" in the "IEEE1394 Buffer Size" setting section.

- You can check the circuitry of the IEEE1394 interface by following procedure.

- 1) Open the Device Manager of Windows.

For details in how to open the Device Manager in each version of Windows, refer to the Yamaha Steinberg FW Driver Installation Guide.

- 2) Double-click the IEEE1394 host controller in the "1394 Bus Host Controller" section to open the property window.
- 3) Select the "Device Instance ID" in the [Details] tab.
- 4) Check the Vendor ID and Device ID.

PCI\VEN_1217&DEV_00F7&... : Circuitry made by O2Micro

PCI\VEN_197B&DEV_2380&... : Circuitry made by JMicon

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