TOOLS for MR V1.6.0 for Windows Release Notes

The TOOLS for MR V1.6.0 for Windows consists of the following programs.

- Yamaha Steinberg FW Driver V1.6.0
- Steinberg MR Editor V1.6.0
- Steinberg MR Extension V1.6.0

Main Revisions and Enhancements

V1.5.2 to V1.6.0

Yamaha Steinberg FW Driver

V1.5.2 to V1.6.0

- Now supports the Yamaha FW16E FireWire Expansion Board.
- Solved a problem in which, when the setting of font size is changed via the DPI settings of Windows, the display of the control panel of Yamaha Steinberg FW Driver would not be displayed properly.
- Added a higher value into the IEEE1394 Buffer Size setting on the utility software. The value replaces the previous “Large” by “Medium.”
- Solved some other minor problems.

Steinberg MR Editor

V1.5.1 to V1.6.0

- Now supports the Yamaha FW16E FireWire Expansion Board.

Steinberg MR Extension

V1.5.1 to V1.6.0

- Solved the problem in which a part of the Channel Strip/REV-X setup window on Cubase 5.5 or Nuendo 5 would not be displayed properly.
- Solved the problem in which a part of the Hardware Setup window on Cubase 5.5 or Nuendo 5 would not be displayed properly.
- Solved the problem in which Cubase might crash by operating when the power switch of the MR816 CSX/MR816 X is turned off.
- Solved the problem in which the output volume might be briefly louder as soon as opening the Cubase project file.
- Solved the problem in which some parameters of the Channel Strip would not be reset properly when opening the project template “Steinberg MR816CSX Vocal-Inst Recording 1.”

- Solved the problem in which some parameters of the Channel Strip might not be loaded properly when opening the project file by double-clicking it.
- Solved the problem in which Cubase might crash by switching the active project file on Cubase when multiple MR816 CSX/MR816 Xs are connected to the computer.
- Solved some other minor problems.

Legacy Updates

V1.5.1 to V1.5.2

Yamaha Steinberg FW Driver

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.
- Solved some minor problems.

V1.5.0 to V1.5.1

- The TOOLS for MR has been confirmed to work properly on Windows 7.

The other main fixes and enhancements for each program are explained below.

Yamaha Steinberg FW Driver

V1.5.0 to V1.5.1

- (Windows 7 64-bit only) Solved the problem in which noise may have occurred upon signals received by the driver in Windows 7 64-bit with 4GB or more memory.
- Solved some other minor problems.

Steinberg MR Editor

V1.5.0 to V1.5.1

- Solved some minor problems.

Steinberg MR Extension

V1.5.0 to V1.5.1

- Solved the problem in which the switching timing would differ according to the audio output by turning on/off the monitoring button in the audio track when direct monitoring was turned on.

V1.2.0 (32-bit) / V1.2.1 (64-bit) to V1.5.0

Yamaha Steinberg FW Driver

V1.1.0 (32-bit) / V1.2.0 (64-bit) to V1.5.0

- (Windows Vista) 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.
- Solved the 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.

Steinberg MR Editor

V1.2.0 to V1.5.0

- Added the following parameters which can be stored to the Scene in the MR Editor.
  - Solo
  - Digital I/O, External FX
  - Sweet Spot Morphing Ch. Strip
  - External FX Type

Steinberg MR Extension

V1.2.0 to V1.5.0

- Hardware Setup window has been revamped. The main changes are the following.
  - Added the “Master Levels” tab. You can adjust the Master level of the analog output jacks and the digital output jacks in this tab.
  - Added the “Settings” tab. You can select which jack is used for input/output of the digital audio signal or select the channels to which the Sweet Spot Morphing Channel Strip effect is inserted.
  - Added a function so that you can now set the volume which determines the output level to nominal (0.00dB) by clicking them while simultaneously pressing the [Ctrl]/[command] key.
  - Changed the level display to “dB.”
- Solved the problem in which some parameters on the REV-X window would not be set to the proper

default value by clicking them while simultaneously pressing the [Ctrl]/[command] key.

- Solved the problem in which some parameters of the REV-X might not be loaded properly when opening a Cubase project file.
- Solved the problem in which the “+48”/”PAD” indicator in the MR816 CSX/MR816 X Input Settings window would not be displayed properly when “Digital Input” was selected in the “Sweet Spot Morphing Ch. Strip” on the Control Panel of the Yamaha Steinberg FW Driver.
- Solved the problem in which the settings in the MR816 Input Setting window might not be called up properly when opening a Cubase project file.
- Solved the problem in which an unusable audio port might be displayed when connecting two or three MR816 CSX/MR816 Xs to the computer.
- Solved the problem in which the settings in the REV-X might be reset when disconnecting an MR816 CSX/MR816 X. This problem might occur when two or three MR816 CSX/MR816 Xs were connected to a computer.
- Solved the problem in which automation data might be written automatically when using the Sweet Spot Morphing Channel Strip as a VST plug-in.
- Solved the problem in which the setting value differed between the MR816CSX/MR816X Input Setting window and the dedicated windows of the Sweet Spot Morphing Channel Strip/REV-X.
- Solved some other minor problems.

V1.2.0 to V1.2.1 (64-bit only)

Yamaha Steinberg FW Driver

V1.1.0 to V1.2.0

- Solved the problem in which audio signals were not received correctly when using memory of 4GB or higher in Windows Vista 64 bit edition.

V1.1.0 to V1.2.0

- Now supports Cubase 5.
- Now supports Windows Vista 64 bit edition.
- Now supports Yamaha n8/n12.

The other main fixes and enhancements for each program are explained below.

Yamaha Steinberg FW Driver

V1.0.1 to V1.1.0

- The output port for the WDM Audio driver is now set to Multichannel (6 channels) instead of Stereo channel in the previous version. The output channels are six consecutive channels from the stereo

channels set in the output port setting.

- Solved some other minor problems.

Steinberg MR Editor

V1.1.0 to V1.2.0

- Solved the problem in which the files of the Sweet Spot Data might not be displayed in the dedicated window of the Sweet Spot Morphing Channel Strip.
- Solved some other minor problems.

Steinberg MR Extension

V1.1.0 to V1.2.0

- Solved the problem in which Cubase would unexpectedly quit when selecting the “Presets” setting in the VST Connection window with the minimized window of the Sweet Spot Morphing Channel Strip (hereinafter: “Channel Strip”).
- Solved the problem in which Cubase would unexpectedly quit by operating the MORPH knob in the dedicated window of the Channel Strip and the Multi Function Encoder Knobs to which the “MORPH” function was assigned simultaneously.
- Solved the problem in which the files of the Sweet Spot Data might not be displayed in the dedicated window of the Channel Strip.
- Solved the problem in which Cubase might produce no sound by changing the settings of "Digital I/O, External FX" during playback of the Project file.
- Solved the problem in which the Monitor sources of the Headphone jack 1/2 in the MR816 CSX/MR816 X Hardware Setup window might be reset by changing the “Digital I/O, External FX” settings.
- Solved the problem in which the MR816 CSX/MR816 X Input Settings window might not be displayed properly when opening a Project file having different sample rate or “Digital I/O, External FX” settings from the current one.
- Solved the problem in which the buses specified as the signals output from the Headphone jack 1/2 might not be called up properly even if selecting a different new Project file.
- Solved the problem in which changing the buses in the VST Connection window might not be applied to the Monitor source settings for the Headphone jack 1/2 in the MR816 CSX/MR816 X Hardware Setup window.
- Solved the problem in which the MR816 CSX/MR816 X Input Settings window might not be displayed when selecting the “Presets” setting in the VST Connection window.
- Solved the problem in which the knob for controlling the REV-X Return Level in the MR816 CSX/MR816 X Hardware Setup window might not be displayed even if the output buses are set in

the VST Connection window.

- Solved the problem in which the Reverb type might not be changeable in the MR816 CSX/MR816 X Hardware Setup window.
- Solved the problem in which the Link functions between the MR816 CSX/MR816 X and Cubase would not work properly depending on the order with which the MR816 CSX/MR816 X and devices compatible with the Yamaha Steinberg FW Driver such as Yamaha MOTIF XS were daisy-chain connected to a computer.
- Solved the problem in which the setting value is different between the MR816 CSX/MR816 X Input Settings window and the dedicated windows of the REV-X/ Channel Strip when initializing the settings of the same parameters in both windows by a keyboard shortcut (holding down the [Ctrl] key and clicking the corresponding parameters).
- Solved the problem in which the sound might be cut off briefly by setting the monitoring button of a track to on and playing the Project file with the Direct Monitoring turned ON.
- Solved some other minor problems.

V1.0.0 to V1.1.0

Yamaha Steinberg FW Driver

V1.0.0 to V1.0.1

- Changed the specification to enable hot-plugging capability for an IEEE1394 interface card on the computer for which the Yamaha Steinberg FW Driver is running. Please use "safe removal of hardware" after ending all the applications that are using the Yamaha Steinberg FW Driver, when removing the IEEE1394 interface card from the computer.
- Solved the problem in which the Yamaha Steinberg FW Driver-compatible devices cannot be recognized by a newly installed IEEE1394 interface card on the computer for which the Yamaha Steinberg FW Driver is running.

Steinberg MR Editor

V1.0.0 to V1.1.0

- Changed the specification so that the "Morph" parameter and "Sweet Spot Data" are saved as VST preset data of the Channel Strip effect.
- Changed the specification so that the output channel must be selected by the "Headphone Setting."
- Changed the specification so that the parameter value will be displayed when pointing the mouse on the slider in the REV-X Window.
- Solved some other minor problems.

Steinberg MR Extension

V1.0.0 to V1.1.0

- Added some integrated functions for use with Cubase.

  # For more details, please refer to the MR816 CSX/MR816 X Operation Manual (PDF) in the same folder.

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 “Medium” or “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 JMicron

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 MR816 CSX/MR816 X Getting Started.
  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 JMicron