Release Notes, Manual, Workaround EN
RTW USB Connect V1.0

Software version: 1.0

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Release Notes

The RTW USB Connect software enables a direct audio connection between a TM3-Primus as a plug-in within a DAW environment. It also offers the remote control within the DAW for start/stop/reset to the TM3-Primus. With this software it is no longer necessary to define the TM3-Primus as output device. The software can also be used as a stand-alone remote control for start/stop/reset to the TM3-Primus.

Features

- Plug-in operation for a direct audio connection between DAW and TM3-Primus via USB Connect.
- Direct access of Stereo or 5.1 audio signals from the DAW without dropping the audio interface.
- Monitoring and metering at the same time.
- No need to define TM3-Primus as standard audio output device in the computer system.
- Remote control of start/stop/reset functions of the directly connected TM3-Primus via plug-in.
- Stand-alone operation for monitoring and metering of audio signals coming from media players or internet at the same time, and for remote control of start/stop/reset functions of a TM3-Primus.

Compatibility

Platforms:
- Windows® 7 and 8:
  - VST2.4 for Windows®
  - VST3 for Windows®
  - RTAS for Windows®
  - AAX for Windows®

  Compatibility testing performed with:
  - Sequoia 12, Samplitude Pro X, Pyramix 9 (VST2.4)
  - Cubase 7, 7.5, 8, Nuendo 6.5, WaveLab 8, 8.5 (VST3)
  - Pro Tools 10.3.10 (RTAS)
  - Pro Tools 11.3.1, Media Composer 8 (AAX)

  VST3 is not supported for Pyramix and Samplitude Pro X 2

- Mac OS X® 10.7.5, 10.8.5, 10.9.5, or 10.10.3:
  - VST3 for Mac OS X®
  - RTAS for Mac OS X®
  - AAX for Mac OS X®
  - AU for Mac OS X®

  Compatibility testing performed with:
  - Cubase 7.5, 8 (VST3)
  - Pro Tools 10.3.10 (RTAS)
  - Pro Tools 11.3.1, Media Composer 8 (AAX on Mac OS X® 10.9.5)
  - Pro Tools 11.3.1 (AAX on Mac OS X® 10.10.3)
  - Logic Pro X 10.10.1 (AU, 64 Bit)

  VST2.4 is not supported

  AU is not supported for Final Cut Pro X

System and Operation Requirements

Software installation:
- Dual-core processor 2.5 GHz
- 4 GB RAM
- 200 MB free hard disk space

Sample rates: 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz

TM3-Primus operation:
- RTW TM3-Primus is equipped with firmware version 1-02 or higher ***)**
- "RTW Primus USB-Audio Driver v2.24.0" ***)** or higher is installed on Windows® operating systems
- Input selection of TM3-Primus is set to "USB audio 2.0" or "USB audio 5.1"
- RTW USB Connect software is installed

with DAW:
- A Stereo- or 5.1 track is active in the DAW
- RTW USB Connect plug-in is instanced to the track being measured
- Active connection between plug-in and TM3-Primus

with stand-alone:
- At least two channels are activated in the Audio Setup menu of the RTW USB Connect software
- A sound card with Loopback function is defined as standard output device

*): This software and the corresponding manuals are available in "Audio Monitors/TM3-Primus" section at members area on the RTW web site:
https://www.rtw.com/en/download/manuals-software.html

Known Issues

ID 1743

On some Mac OS X® operating systems, USB audio streaming is not supported with USB Connect. It is only available as remote control for start/stop/reset functions without any display.

Platform

Mac OS X® 10.8.5 and 10.9.5

Workaround

Create a Multi Output Device (see Workaround below) in the corresponding operating system and select it for output in order to monitor and to meter at the same time.

ID 1755	The start/stop/reset functions may be inactive in some cases, if TM3-Primus is already connected via USB when starting the DAW.
Plattform	Pro Tools
Workaround	Start Pro Tools first. When it is ready for operation, then start TM3-Primus and connect it.

Notes

DAW	The following DAW's are not supported or not supported any more.
	• Premiere Pro CC
	• Soundtrack Pro
	• Final Cut Pro X

Plug-in formats	The following plug-in formats are not supported:
	• VST2.4 on Mac OS$^{®}$
	• VST3 for Pyramix and Samplitude Pro X 2 on Windows$^{®}$

Buffer setting	Do not change buffer settings on the fly, but proceed as follows:
Procedure	• Disconnect TM3-Primus from RTW USB Connect
	• Change the buffer settings
	• Connect TM3-Primus to RTW USB Connect again
	• Check the synchronization of the settings

| **RTW USB Connect** | Only one instance of the plug-in should be connected resp. should send audio data to TM3-Primus. Otherwise level summing resp. variations in the measuring result may occur. |

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RTW GmbH & Co.KG
Am Wassermann 25
50829 Cologne
Germany

Support

Visit www.rtw.com for support information

Manual

In the following section, the installation of the RTW USB Connect software and its configuration for the use with a DAW or as stand alone application is described. The system requirements are listed above in the Release Notes section.

1 | Installation

- Check, that TM3-Primus is equipped with firmware version 1-02 ***)** or higher. Set Input selection to "USB audio 2.0" or "USB audio 5.1".
- On Windows® operating systems, install the RTW Primus USB Audio Driver Version 2.24. ***)** or higher.
- Install the RTW USB Connect software as plug-in, and as stand-alone application, if desired.

*): This software and the corresponding manuals are available in "Audio Monitors/TM3-Primus" section at members area on the RTW web site: https://www.rtw.com/en/download/manuals-software.html

2 | Configuration for stand-alone operation

- Access the preferences of your sound card and activate the Loopback function.
- Define your sound card as standard output device.
- Run the RTW USB Connect stand-alone application.
- Click to the gear wheel to open the menu with the settings. The "Audio" tab with the "Audio Setup" menu is displayed. Select it, if it is not displayed.
- Select the audio device type, the device, and at least 2 active input channels.
- Synchronize the sample rate and the audio buffer size. If needed, open the preferences of the selected audio device with a click to the "Control panel" button. Possibly, the synchronization must be done manually. Therefore click the "Reset device" button.
- Click to "OK" to confirm the changes.
- The left symbol displays the state of the connection to TM3-Primus. Click to the symbol to activate the routing of the audio signal to TM3-Primus. Now, audio signals can be monitored and metered at the same time. Another click deactivates the routing.

3 | Configuration for plug-in operation

- Define a Stereo or 5.1 track in your DAW.
- Insert the RTW USB Connect plug-in into the track being measured.
- The RTW USB Connect plug-in is displayed on the screen, and DAW and TM3-Primus will be connected.
- The left symbol displays the state of the connection to TM3-Primus. Click to the symbol to activate the routing of the audio signal to TM3-Primus. Now, the audio signals from your DAW can be monitored and metered at the same time. Another click deactivates the routing.

Workaround for Mac OS X® 10.8.5 and 10.9.5

Due to characteristics of the system, some Mac OS X® operating systems don't support the RTW USB Connect software. On versions 10.8.5 and 10.9.5, corresponding error messages are displayed. USB Connect would only provide the remote control of the start/stop/reset functions without displaying any audio signal on TM3-Primus' screen.

The following workaround describes how to use a Multi-Output device for the simultaneous monitoring and metering on these operationg systems.

Please proceed as follows to create and configure a Multi-Output Device:

- We assume that your TM3-Primus is equipped with firmware 1-02 or higher, its input selection is set to "USB audio 2.0" or "USB audio 5.1", and the RTW USB Connect software is installed to your system.
- Assure that no audio application is active during configuration.
- Go to "Applications -> Utilities" and open the "Audio MIDI Setup". The available audio devices are displayed.
- Click "+" at the lower left edge and select "Create Multi-Output device".
- The Multi-Output Device will be displayed and its settings are presented.
- In column "Use" enable the check box of "TM3-Primus Output".
- In column "Use" enable the check box of the main output device (output of your sound card).

- Click the "Master Device" option and select the main output device (output of your sound card).
- Disable all check boxes in column "Drift Correction". TM3-Primus synchronizes its sample rate to the main output device.
- If necessary, synchronize the sample rate manually. Set the displayed sample rate of the main output device to TM3-Primus. Check again, that the main output device is set as "Master Device", and that all check boxes of the "Drift Correction" column are disabled.
- Go back to "Applications" and select "System Preferences".
- Select "Sound", and there the "Output" tab.
- Click "Multi-Output Device" to activate it.
- If you use a DAW, define the "Multi-Output Device" as standard output in your DAW.