

Release Notes and Manual EN USB Connect V1.6.0

Software version: 1.6.0

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The USB Connect software enables a direct audio connection between a TM3-Primus as a plug-in within a DAW environment for direct receive of the audio signal. It also offers the remote control for the loudness functions start/stop/reset, the time scale of the Chart (Time) and the reference of the RTA to the TM3-Primus. The software can also be used as a stand-alone remote control.

Plug-in 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.
- Monitoring and metering at the same time.
- Remote control of start/stop/reset loudness functions, time scale of Chart instrument, and reference of RTA of the directly connected TM3-Primus via plug-in.
- Stand-alone operation

New Features

- Options for channel routing have been added to the plug-in and the stand-alone application

Updates

- Problems with newer DAWs and operating systems have been fixed
- The connection state will be stored and recalled if possible.
- DAW follow and DAW reset will be stored and recalled in the DAW session.
- Devices that were started after the launch of the USB Conenct software will be detected automatically.
- The general stability has been improved.

Compatibility

Platforms:

- Windows® 7 to 10:
 - VST2.4 for Windows®
 - VST3 for Windows®
 - AAX for Windows®
- Mac OS X® 10.11 and higher:
 - VST2.4 for Mac OS X®
 - VST3 for Mac OS X®
 - AAX for Mac OS X®
 - AU for Mac OS 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"
 - USB Connect software is installed

- with DAW:
- A Stereo- or 5.1 track is active in the DAW
 - 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 USB Connect software
 - Optional for specific configurations: Activated Loopback function of the sound card

*) : 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/support/manuals-software.html>

Notes

Buffer setting

Do not change buffer settings on the fly, but proceed as follows:

Procedure

- Disconnect TM3-Primus from USB Connect
- Change the buffer settings
- Connect TM3-Primus to 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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Support

Visit www.rtw.com for support information

Manual

In the following section, the installation of the 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 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/support/manuals-software.html>

2 | Configuration for plug-in operation

- Define a Stereo or 5.1 track in your DAW.
- Insert the USB Connect plug-in into the track being measured.
- The 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.

3 | Configuration for stand-alone operation

- Define your sound card as standard output device.
- Access the preferences of your sound card and activate the Loopback function, if you want to see a playback or an output channel as input channel on your TM3-Primus.
- Run the 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 for Stereo, and 6 active input channels for 5.1 Surround. Assure, that TM3-Primus is correspondingly set to "USB audio 2.0" or "USB audio 5.1" (see above).
- 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.
- Scroll further down and click to "Audio Routing". The "Input Routing" tab is displayed.
- Adjust the desired inputs to the device channels.
- Click "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.