TASCAM

US-122L / US-144 Windows Driver Release Notes

Version 1.11 – October 30, 2007

Updates

Always ensure that you are running the latest driver software and US-122L or US-144 firmware by visiting http://www.tascam.com

Installation Frequently Asked Questions

What versions of Windows does the US-122L and US-144 support?
Windows driver version 1.11 supports 32-bit Windows XP SP2 and 32-bit Windows Vista. This driver does not support 64-bit Windows.

When I plug in my US-122L or US-144, Windows Hardware Wizard appears but is unable to install the drivers. How do I install the drivers?
The driver installation must be started before plugging in your US-122L or US-144. If you have already plugged it in without the drivers being installed, simply unplug the unit, exit all hardware wizard windows, and then launch the driver setup program. If you are using the CD-ROM that came with your unit, inserting it should automatically launch a menu that gives you the option to install the drivers. Select "Install Drivers" and follow the on-screen instructions. If you have downloaded drivers from TASCAM's web site, extract all the files from the ZIP archive to temporary folder and then launch Setup.exe and follow the on-screen instructions.

When I insert the installation CD-ROM into my Windows computer, it does not automatically launch a menu. How can I launch this menu?
It is possible that the CD-ROM autorun feature has been disabled on your computer. You can launch the installation menu manually by opening the CD-ROM in Windows Explorer and double-clicking the file: Autorun Menu.exe

Owner's Manual Addendum

Multi-Client Operation

On Windows, both the US-122L and US-144 have the ability to mix the outputs of simultaneously running audio applications that are using different driver protocols. For example, the following configurations are possible:

- ASIO App (Ableton Live) + WDM App (SONAR) + GSIF2 App (GigaStudio)
- ASIO App (Ableton Live) + MME App (iTunes) + GSIF2 App (GigaStudio)

New Features

Added in 1.11

- Additional improvements have been made to the control panel's Audio Performance control, reducing the latency at some settings. Because of these changes, you may find it beneficial to readjust the Audio Performance settings for optimal performance on your computer.

Added in 1.10

- Support for 32-bit Windows Vista has been added.

Added in 1.02

- GSIF2 low-latency kernel MIDI has been implemented for use with GigaStudio. When choosing a US-122L or US-144 MIDI port in GigaStudio, you will now see two ports available. One is a normal latency port and the other is a GSIF2 low-latency port offering faster MIDI response.
- Overall audio latency has been improved.

Maintenance Items

Fixed in 1.11

- This version corrects a MIDI output problem introduced by version 1.10.

Fixed in 1.03

- Previously, the Audio Performance control in the Windows control panel was not working correctly, causing higher than expected latency. This has been corrected in 1.03.
- Previously, certain MIDI real-time messages that are output by some controllers, such as the Yamaha CBX-K1 and CBX-K2, could not be received properly. This has been fixed in 1.03.
- Previously, the driver installer could stall on Windows machines in rare cases where more than one instance of the "rundll32.exe" process was running. This has been fixed in 1.03.

Fixed in 1.02

- Previously, it was not possible to use a US-122L or US-144 with TASCAM GVI in WDM mode. This has been fixed in 1.02. Now either WDM or ASIO can be used.
- An install log file now gets written to the WINDOWS/TEMP directory. If you experience installation problems, have this file ready to email to support personnel.
- Previously, the US-122L and US-144 only supported 24-bit communication with WDM audio applications. Version 1.02 now supports 16, 18, 20, 22, and 24-bit

communication with WDM audio applications.

- Version 1.00 required special configuration steps for SONAR. It is no longer necessary to follow these steps.

Known Issues with 1.11

- PCs with nVIDIA USB controller chips may not offer optimum performance for audio streaming over USB 2.0, resulting in audio artifacts. A higher latency setting or the addition of a non-nVIDIA USB 2.0 card is required.
    - To find out what controller chip your PC uses:
        - Go to START > Control Panel > System
        - Click on the Hardware tab, then the Device Manager button
        - Click the “+” (plus) sign next to Universal Serial Bus Controllers
        - You will see the chip manufacturer of all installed USB controllers
- If a WDM audio app (e.g.Windows Media Player or iTunes) is running and a US-122L / US-144 unit changes its sample rate, the audio will play at the wrong pitch. The workaround is to quit the WDM audio app and launch it again. The app should now play audio at the correct pitch.
- In order to use a US-122L or US-144 reliably with Windows Media Player, select the US-122L or US-144 as the Sound playback Default Device in the Audio tab of the Sounds and Audio Devices control panel. Do not configure the audio interface from within Windows Media Player.

Miscellaneous

- The MIDI Activity and USB LEDs may continue to illuminate after a connected computer is shut down. This is because some computers continue to provide power on the USB cable even when shut down.
- The US-144's digital input will not be available if the clock mode in the control panel is set to "Internal". To use the digital input, set the clock mode to “Automatic” so the US-144 will clock to the external device.
- The MIDI IN indicator lights when any MIDI data is being received at the MIDI IN connector. A device that transmits the MIDI Active Sense message will cause this indicator to flash constantly. To avoid this, disable the use of MIDI Active Sense on the sending device.
- Cubase and Nuendo allow their ASIO ports to be renamed. In the event it becomes necessary to reset the port names (as would be the case when switching between a US-122L and a US-144), perform the following steps:
    - From the Devices menu, select Device Setup
    - Click on VST Inputs, then click the Reset button
    - Click on VST Outputs, then click the Reset button