TASCAM
US-122L / US-144 Release Notes
Version 1.03 – February 20, 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 FAQs
*When I plug in my US-122L or US-144, WinXP 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 insert the CD-ROM that came with your unit.
The CD-ROM should automatically launch a menu that gives you the option to install the
drivers. Select "Install Drivers" and follow the on-screen instructions.

*When I insert the installation CD-ROM into my WinXP 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: US122L_US144_Install.exe

Are the US-122L and US-144 compatible with Intel Macs?
Yes.

Do I install a driver update first or update the unit's firmware first?
Install the new driver first, then update the unit's firmware.

Owner's Manual Addendum

Multi-Client Operation

On Windows XP, 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)

Version 1.03 Release Notes

Maintenance Items in 1.03

Windows XP

- 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 realtime messages could not be received that are output be some controllers, such as the Yamaha CBX-K1 and CBX-K2. This has been fixed in 1.03.
- Previously, the driver installer could stall on Windows machines in rare cases more than one instance of "rundll32.exe" running. This has been fixed in 1.03.

Version 1.02 Release Notes

New Features 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 in 1.02

Mac OS X

- Previously, the OS X Driver Remover included on the CD would not run. This has been fixed in 1.02.
- The 24 Track Audio Sequencer template in Cubase LE now works with the US-122L & US-144.
- Problems having to do with the digital inputs and outputs when the US-144 is connected to the Mac via USB 1.1 have been corrected.
- MIDI now functions when the US-122L is connected to a 10.3.9 Mac via USB 1.1.

Windows XP

- 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 in 1.03

Mac OS X

- When a US-122L or US-144 is connected to a Mac that goes into suspend mode, audio and MIDI may not operate when the Mac comes out of suspend mode. There are two workarounds:
    - Disconnect then reconnect the USB cable
    - Do not allow the Mac to go into suspend mode
- Some Macs may not recognize a US-122L or US-144 after booting up. The workaround is to disconnect then reconnect the USB cable. If the unit is still not recognized, restart the Mac, allow it to finishing booting, and then connect the USB cable. Note that the US-122L or US-144 may appear in the control panel, even though it is not communicating audio to an application.
- MOTU Digital Performer 5.1, which only runs on 10.4.x, displays an error message at startup when a US-122L or US-144 is connected. However, after dismissing the error window, DP 5.1 works normally.
- The buffer size slider of a Native Instruments soft synth (B4, Pro-53, etc) does not operate properly when running as a standalone synth(not hosed in a DAW).
- When running 10.3.9, the "Configure Speakers" feature of Audio MIDI Setup is not supported.
- When running 10.3.9, and with a US-122L or US-144 connected via a USB hub, disconnecting the hub from the computer before disconnecting the US122L / US-144 will not properly release the driver from the computer's OS.

Windows XP

- 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 (iTunes / Windows Media Player) 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.
- The US-122L and US-144 drivers are not currently compatible with Windows XP 64.

Miscellaneous

- The MIDI Activity and USB LEDs may continue to illuminate after a connected computer is powered off.
- 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.
  - **NOTE**: A device that transmits the MIDI Active Sense message will cause this indicator to flash. 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