

Engineering Note

Topic: ezusb.sys vs. new 32-bit WinUSB driver
Product Affected: spectrometers
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Description

Ocean Optics is transitioning from the ezusb.sys to the new WinUSB driver. The WinUSB driver is now being used in our 64-bit applications. There was a short time when the 32-bit WinUSB driver was used in 32-bit OmniDriver 1.6 when it was in beta testing; currently, all of our 32-bit software still uses ezusb.sys.

Once the WinUSB driver has been installed on a PC, there is no way to remove it. This can cause an issue where you will no longer be able to see any spectrometers in 32-bit SpectraSuite, 32-bit OmniDriver, or USB Programmer.

Most customers should only have the ezusb.sys driver on their PCs; however, Vernier is using the WinUSB driver in Logger Pro. If you have installed a newer version of Logger Pro with the 32-bit WinUSB driver, you will not be able to see spectrometers in 32-bit SpectraSuite, 32-bit OmniDriver, or USB Programmer.

If this does happen, there is a work-around to enable SpectraSuite work with the 32-bit WinUSB driver. Use the following procedure.

► **Procedure**

To enable SpectraSuite to use the WinUSB driver,

1. Navigate to **C:\Program Files\Ocean Optics\SpectraSuite\spectrasuite\lib**.
2. Rename the current NatUSB.dll found in this directory to something like "NatUSB_32_ezusb.dll".
3. Manually copy the winusb flavor of the NatUSB.dll into this directory.
You can obtain a copy of this DLL at
ftp://downloads.oceanoptics.net/OmniDriver/etc/natusb_winusb_32bit/.
4. In the ...spectrasuite\lib folder, rename the new NatUSB_32_winusb.dll to NatUSB.dll.
5. Restart SpectraSuite software.

