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# Engineering Note

**Topic:** ezusb.sys to WinUSB for 64-bit Windows

**Product Affected:** Spectrometers

**Date Issued:** 04/07/2011

## Description

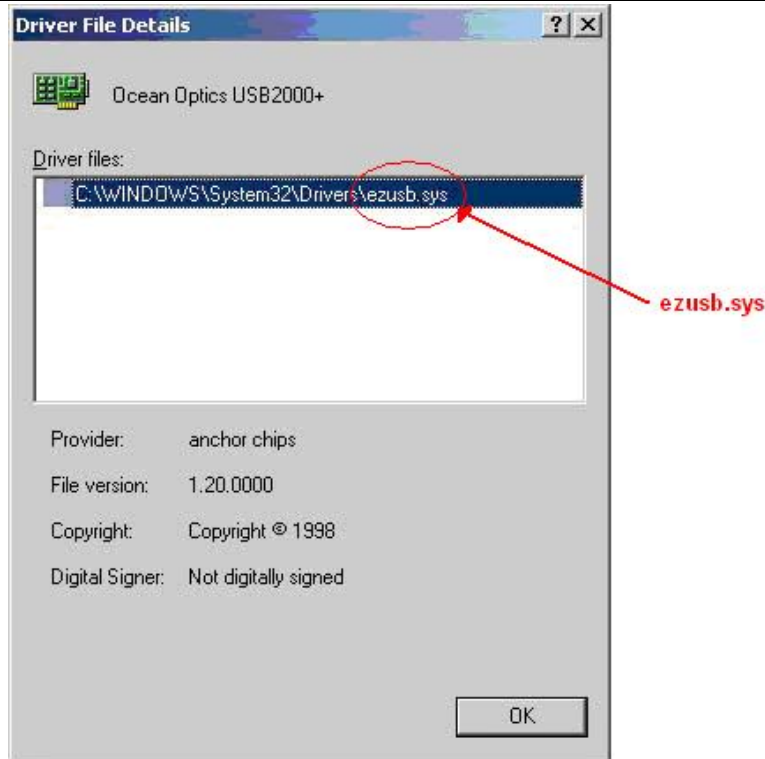
We have changed our Windows device driver from ezusb.sys to WinUSB for our 64-bit Windows versions of SpectraSuite and OmniDriver.

If you have the SpectraSuite 32-bit Windows version that contains the WinUSB driver you will not be able to see the spectrometer in SpectraSuite even though the Device Manager shows the driver to be properly installed.

### ► **Procedure**

To check if this is the issue,

1. Navigate to the Windows Device Manager.
2. Right-click on the device, and then select Properties.
3. Select the **Driver** tab and then click the **Driver Details** button, you will see the window below.



The screen should display “ezusb.sys.” If “WinUSB,” displays instead, then you will need to perform the steps below to allow 32-bit legacy SpectraSuite to use the WinUSB driver. This is necessary because there is no way to remove the WinUSB driver once it has been installed. Please remember that this applies to the 32-bit SpectraSuite version only.

► **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/](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.