

- 1. Install USB drivers for 32bit Windows** >Note: 64bit install doc in SWDrivers11 folder
a) Attach USB cable to spectrometer. b) If available, attach UP5V power to spectrometer.
c) Attach USB cable to available USB port on PC (or USB hub).

Insert StellarNet CDROM:

WinXP > allow search for a suitable driver on CDROM.

Other OS > specify path to folder on CDROM = \SWDrivers11\ spectro-type \ OS-version
spectro-type = \SWDrivers-USB2-Spectrometers or \SWDrivers-USB1-GREEN-Wave
OS-version = \WinXP-Vista-7 or \Win9x or \Win7-64bit <must see 64bit install doc

Use Device Manager to verify “StellarNet Spectrometer” is listed under USBDEV device.
Right click on MyComputer then select Manage, then select Device Manager.

Windows 7 users may see “unknown device” listed and will need to click “Update driver”
and specify proper driver location as shown above.

If Device Manager says “spectrometer - start” you’ll need to select “Update driver”.

If you have the time, it is smart to repeat the cable installation for each USB port on your PC. Windows 7 users should NOT have to do this.

- 2. Install newest version SpectraWiz using SWUpdate.exe from website**

If web not available then install SpectraWiz using SWUpdate-Install.exe from CDROM

Click on SpectraWiz desktop icon to start, then verify continuous spectral graph display updates appear with spectrometer attached, then exit SpectraWiz.

Win2000 only: after installation completes, goto SpectraWiz folder, click on Fix2000.bat.

For operation as a SpectroRadiometer goto step 3. If you received an HR spectrometer or label on the CD marked “SNS –nnnnn.exe”, click on this file. Otherwise, install the wavelength coefficients listed on spectrometer label using “Setup -> Unit Calibration” menu. See reverse side for detailed instructions.

Please note if you have BW-16 listed on spectro label the coefficients will load automatically.

- 3. Install intensity calibration files for SpectroRadiometer operation**

The Radiometer calibration files are installed by clicking on the file “MyCal-nnnnn.exe”, (found on the CD) where “nnnnn” = spectrometer serial # shown on label.

This is a self extracting zip file that moves all “.cal” files into the \SWCals folder with path = c:\Program Files\StellarNet\SpectraWiz\SwCals

Start SpectraWiz and verify continuous spectral graph display updates appear.

Get going FAST -->>> WATCH the SpectraWiz software training videos on CDROM !

Driver and software updates are easily downloaded from the StellarNet website

- a. All drivers are in SWDrivers11 password=”wdrivers”
b. SWUpdate (all Window versions) password= no password ←get the latest version now

Additional information is available in the Spectrometer Manual on the StellarNet CDROM.

For StellarNet technical support, Phone: 813-855-8687 or email: Support@StellarNet.us

Software Configuration

>>Information found on unit label

All spectrometers automatically load parameters from unit memory when SpectraWiz software is started from your windows computer.

“Older spectrometers” with parallel port connector plus USB2EPP cable (silver DB25 connector at other end of USB2 cable) require parameters to be entered the first time a unit is attached. The same procedure can be used to verify each spectrometers wavelength coefficients that define the units x-axis:

Note: the following steps are not required if you received a new spectrometer!
However, if you received a “new” GREEN-Wave16 spectrometer see 3a below!

1. Open SpectraWiz and select the “Setup” menu → then select “Unit Calibration Coefficients.”
2. Enter 1 at the channel prompt and then enter C1, C2, C3, and C4 values which are listed on the bottom label of the spectrometer. If no C4 is listed on the label then enter 0.
3. Select: “Setup” → “Interface and Port Detector.”
 - a) Always check USB2EPP cable unless using the GREEN-Wave (12bit spectrometer **which is now discontinued**). However, if installing the new “GREEN-Wave16”, check USB2EPP + LT16 + BW >> it is 16-bit!
 - b) Select the digitizer type listed on bottom of the spectrometer. These are LT12/LT14/LT16. If the digitizer is not listed, do not select any.
 - c) Select detector type; default is CCD 2048 unless otherwise stated on label.
4. Now, exit SpectraWiz for the changes to take effect. Start SpectraWiz and verify continuous spectral graph display updates appear.

For further instruction -->>> WATCH the SpectraWiz Application videos on CD !!