Flexible Wavelength Selector

MONO

Software Manual

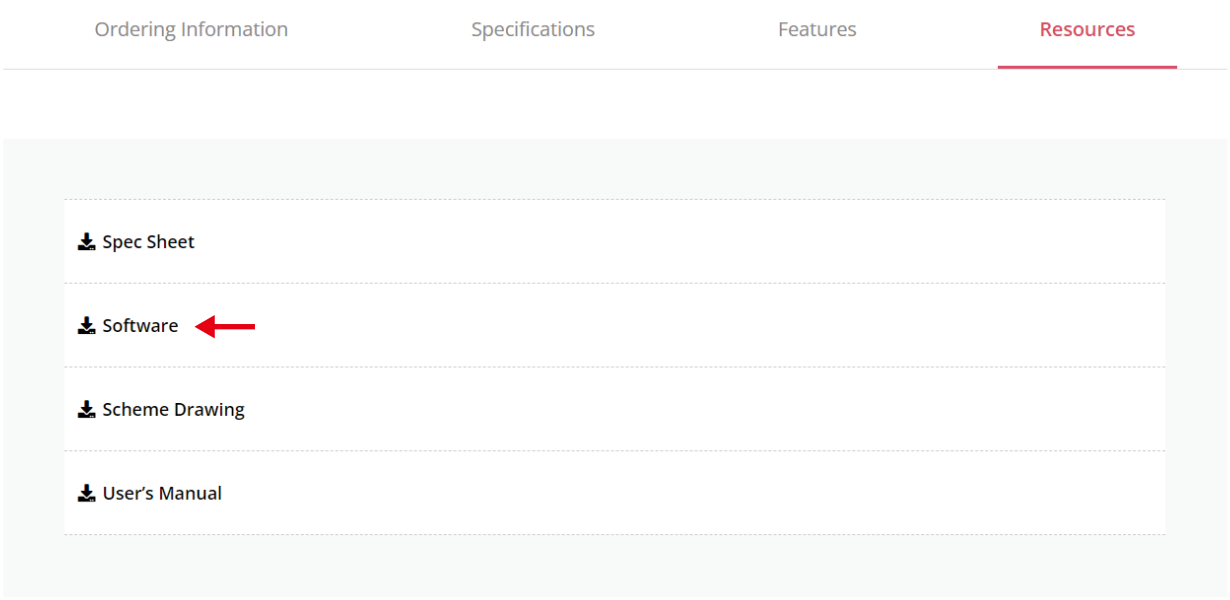
Ver 24-04

SLi
SPECTROLIGHT Inc.

1.1 Software installation

Minimum PC Requirements : Any PC or Windows Based Tablet (Windows 7 or higher).
If Windows is working properly, this software will also work properly.
– Please do not connect the device before installing the software.

1. Please go to our website **www.spectrolightinc.com** to download the installer file.
   Software location -
   Products » Tunable bandpass filters » Mono » Resources » Software



a. Download the software file from the website.
b. Unzip the zip file.
c. Double click Setup.exe
d. Follow the guidelines

2. Install the FWS software on a PC/Tablet running Microsoft Windows (7 or later).

3. Copy the **calibration file** (***.ism2*** extension file) provided by the distributor/manufacturer to the default location

→ **C:\SLI**

If the calibration file is not provided to you, please contact us by email at **support@spectrolightinc.com**
This file should be copied to your installation directory.
Please select this file and click on **Apply** after you run the Mono software.

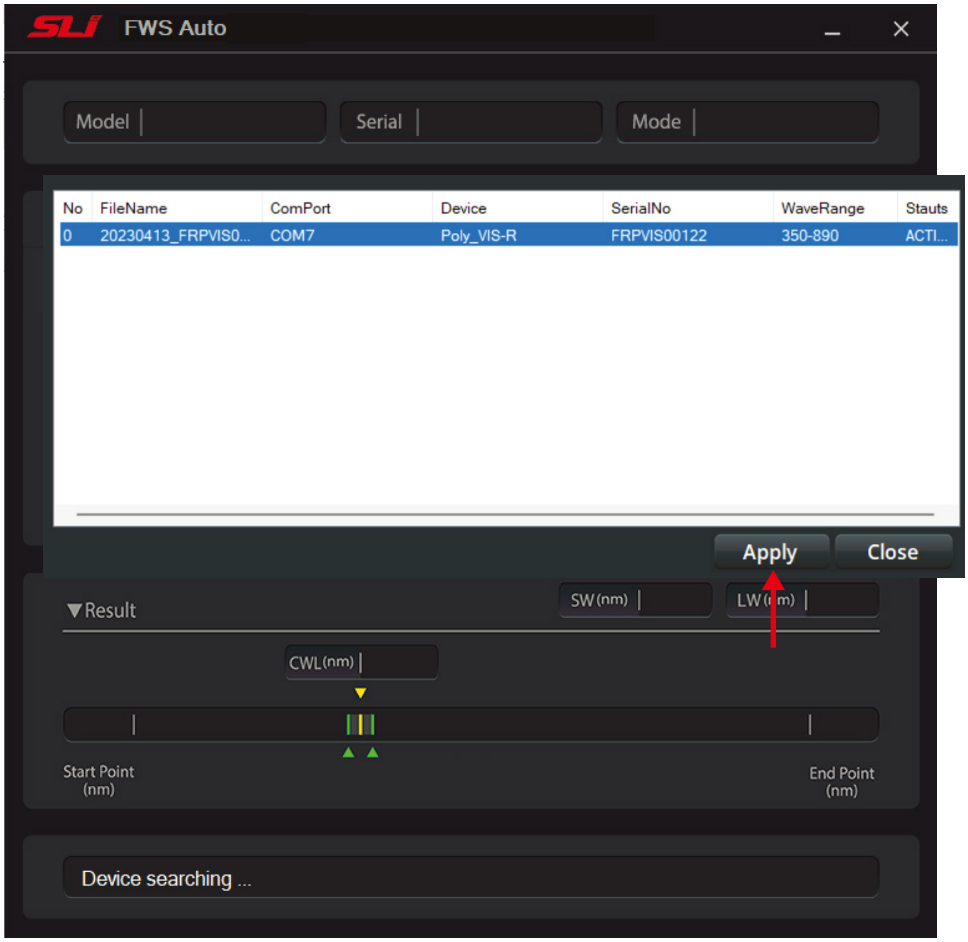
1.2 Product installation

1. Plug the USB cable into Mono, then connect the other end to the operating Computer/Tablet.

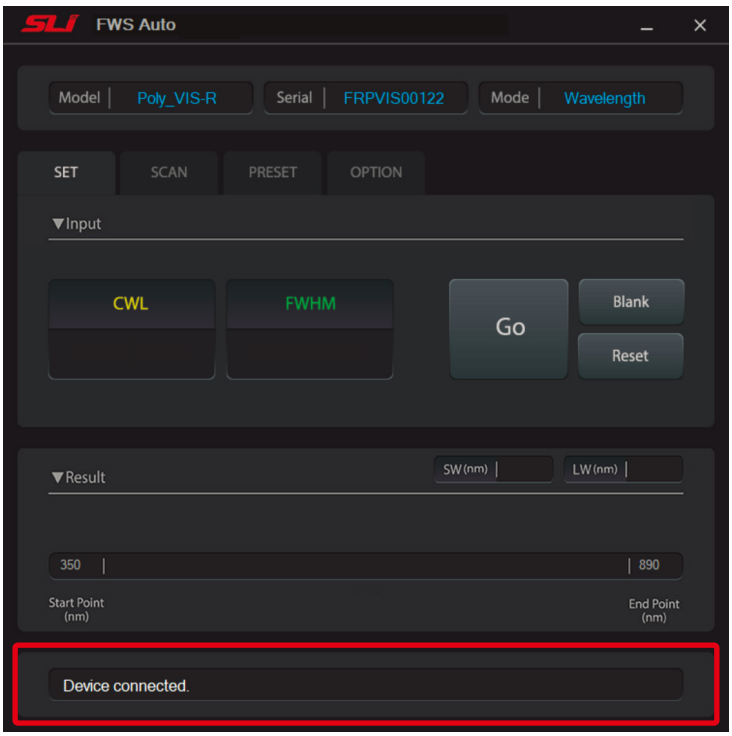
2. Plug the power supply cable into the power port of Mono, located just beside the USB port.
Connect the power supply to a properly grounded outlet.

3. Find the power switch just beside the power port. Turn **ON** the device.

4. To start operating the device, locate the software icon on your Desktop, then execute the installed software.
The software will ask for a calibration file appropriate for your device.
Select the calibration file that matches the device serial number and click the '**Apply**' button.
(calibration file must be in the same folder as the software file)



5. If there are no problems with the instrument and calibration file, the software and device should connect promptly. If the connection is successful, the software interface should display the message 'Device connected' at the bottom of the screen. The device is now ready to use.

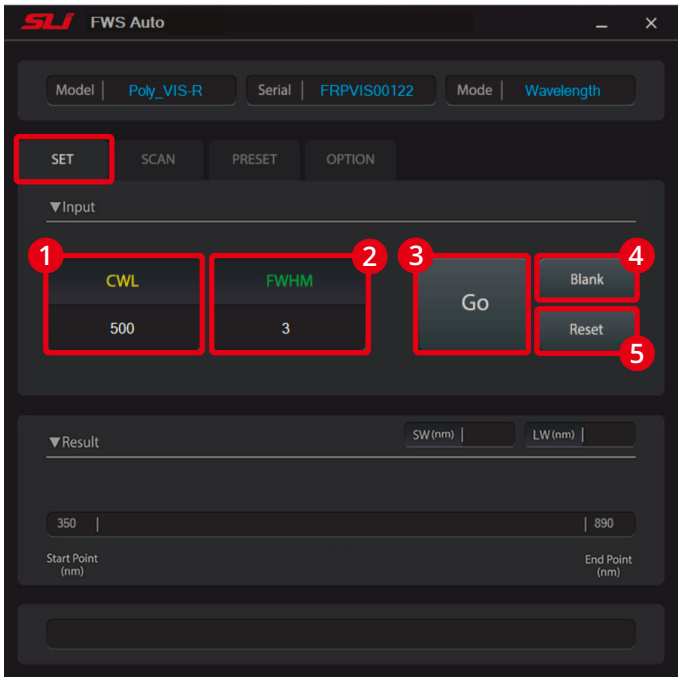


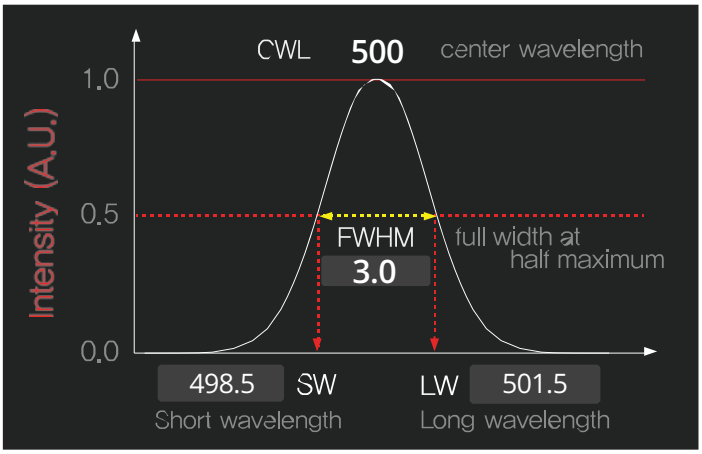
6. Properly align the light source with the specified input port to direct the emitted light towards the designated output port. Ensure that the orientation of the input beam follows the indicated arrow direction.
***For optimal performance of the product, it is recommended that the incident light be collimated.**

It is possible to couple Mono with different types of broadband sources, such as supercontinuum lasers, laser driven light sources, and fiber output broadband lamp sources. We provide connecting adapters for each type. You can also refer to our website and YouTube channel for details about these adapters.
You can contact our support team at **support@spectrolightinc.com**

2.1 Setting the center wavelength and bandwidth

1. **CWL (nm)** : enter the desired CWL (center wavelength)
2. **FWHM (nm)** : enter the desired FWHM (full-width at half maximum)
3. **Go** : click to start wavelength tuning
4. **Blank** : click to set blank mode
5. **Reset** : click to reset filter



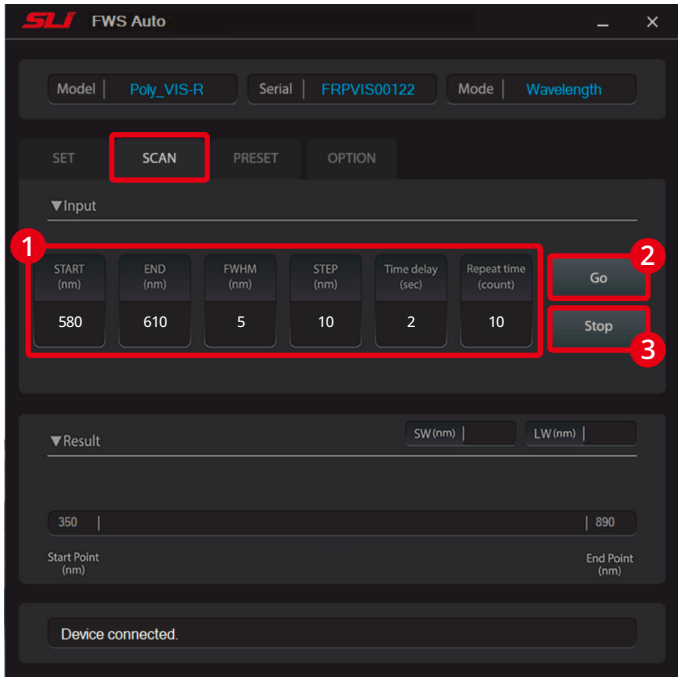


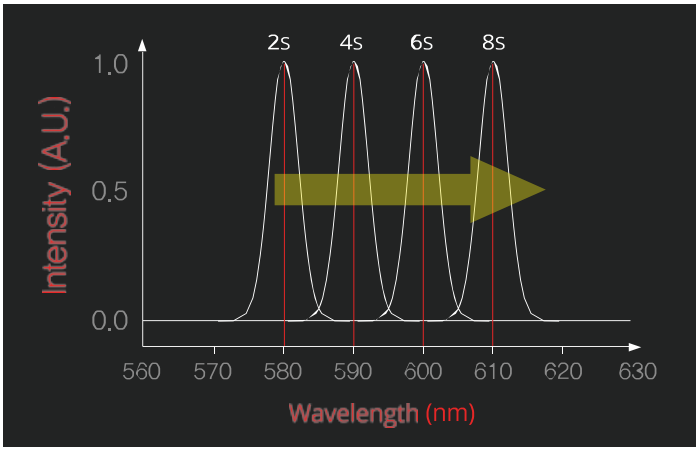
2.2 Scanning across a certain wavelength range

1. Enter the following values
- **START (nm)** : wavelength to start scanning
- **END (nm)** : wavelength to end scanning
- **FWHM (nm)** : bandwidth during the scanning
- **STEP (nm)** : step size of the scan in nm
- **Time delay (sec)** : set the time delay between each individual wavelength steps
- **Repeat time (count)** : number of full scans

2. Go : click to start scanning

3. Stop : click to stop scanning

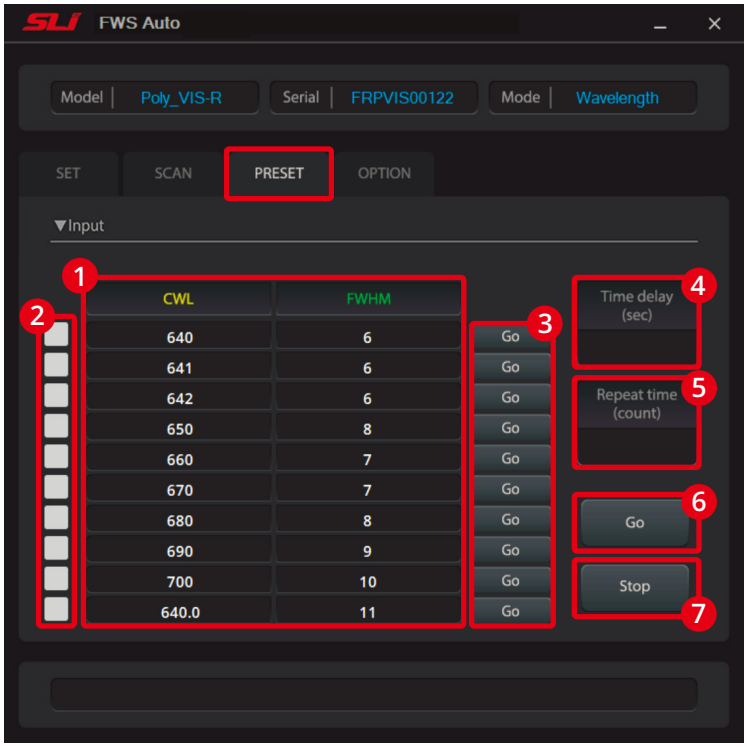




2.3 Setting or editing the preset wavelength and bandwidth

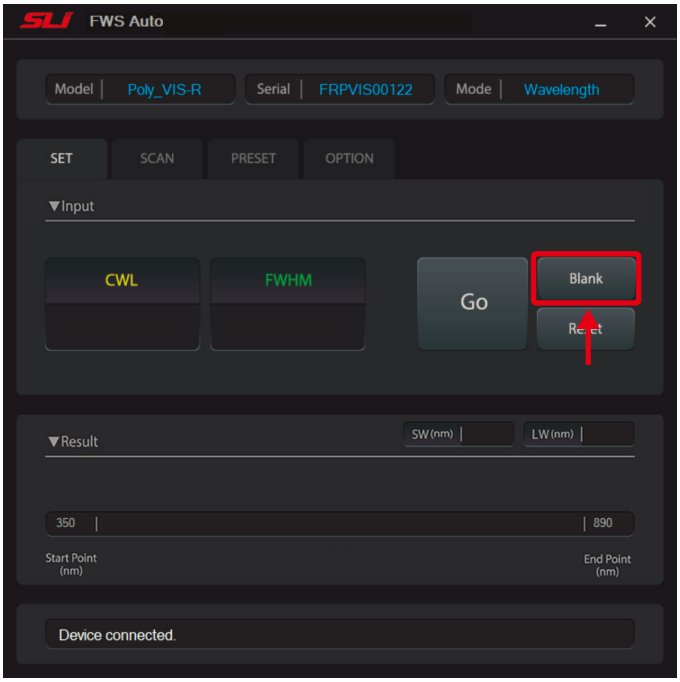
- In the PRESET tab, you can set your frequently used wavelength and bandwidth for easy access.

1. **CWL, FWHM (nm)** : enter the desired CWL and FWHM value
2. **Preset Selection** : select the presets that is to be scanned
3. **Go (individual)** : click to scan individual presets
4. **Time delay (sec)** : set the time delay between each individual presets
5. **Repeat time (count)** : number of full scans
6. **Go** : click to scan all selected presets
7. **Stop** : click to stop scanning



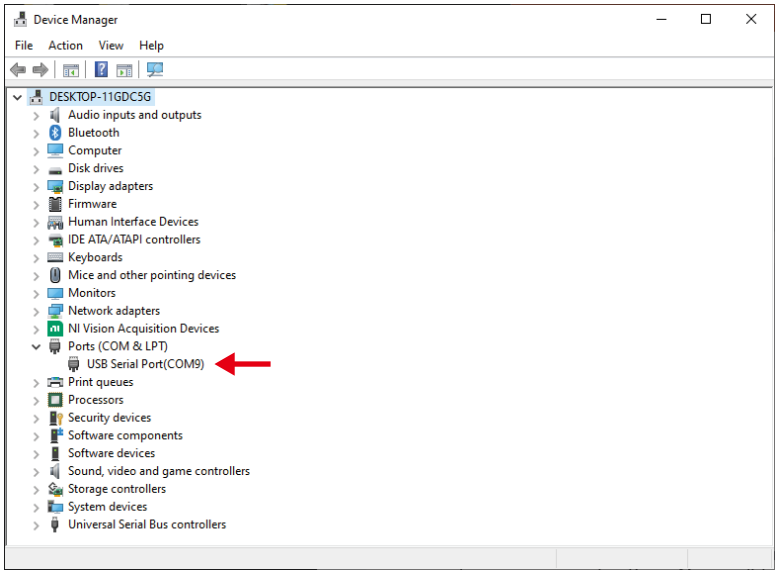
2.4 When to use blank mode

- Blank mode is the state wherein no filters are positioned in the pathway of the input light source. This way, it is possible to check the alignment of the input light source.



3.1 Device connection error

- If the device and software cannot be properly connected, check whether the communication driver appears properly in Device Manager. If it is a problem with the communication driver, install the latest FTDI USB driver suitable for your OS from the following website - **https://ftdichip.com/drivers/**



- Please contact our support team for other trouble shootings. **support@spectrolightinc.com**