



Single Wavelength GUI

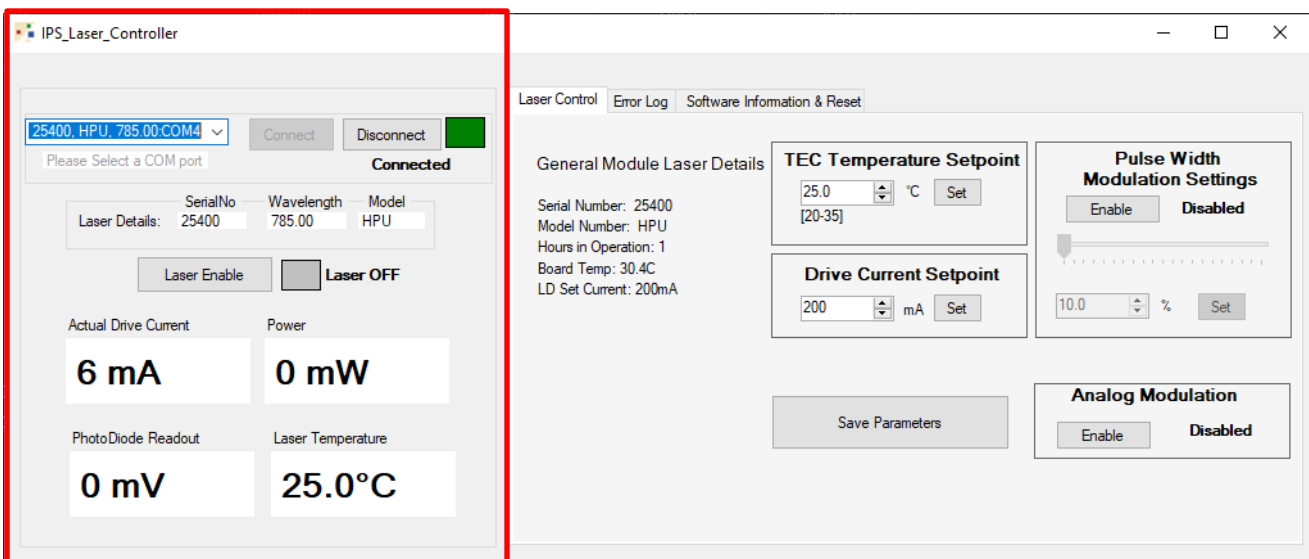
USER GUIDE

Connecting the Laser:

- I. To Connect the laser, plug the USB A into the top port on back panel and plug the other end of the cable into your device. Note: The cable going from laser to computer needs to be plugged into the top port or you will get an error code.
- II. The bottom USB A port can be used to connect the laser to a spectrometer or other device.

Selecting the Laser

- I. Select a COM port in the "Select a Laser" drop down. Once you have selected a laser click Connect. The indicator to the right will turn GREEN when the laser is connected.
- II. The laser details will auto fill in with the Serial Number, Wavelength, & Model.

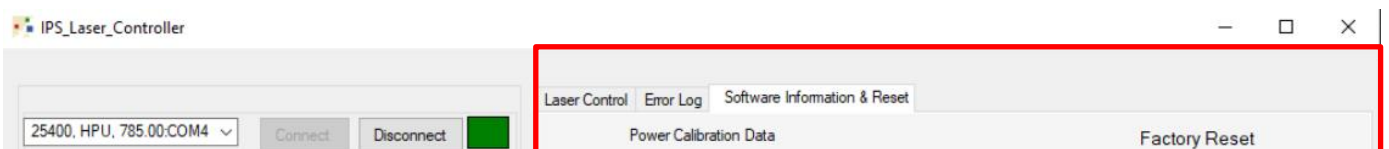


Turning the Laser on

- I. Click the button labeled "Laser Enable" The indicator to the right will turn GREEN when the laser is connected.

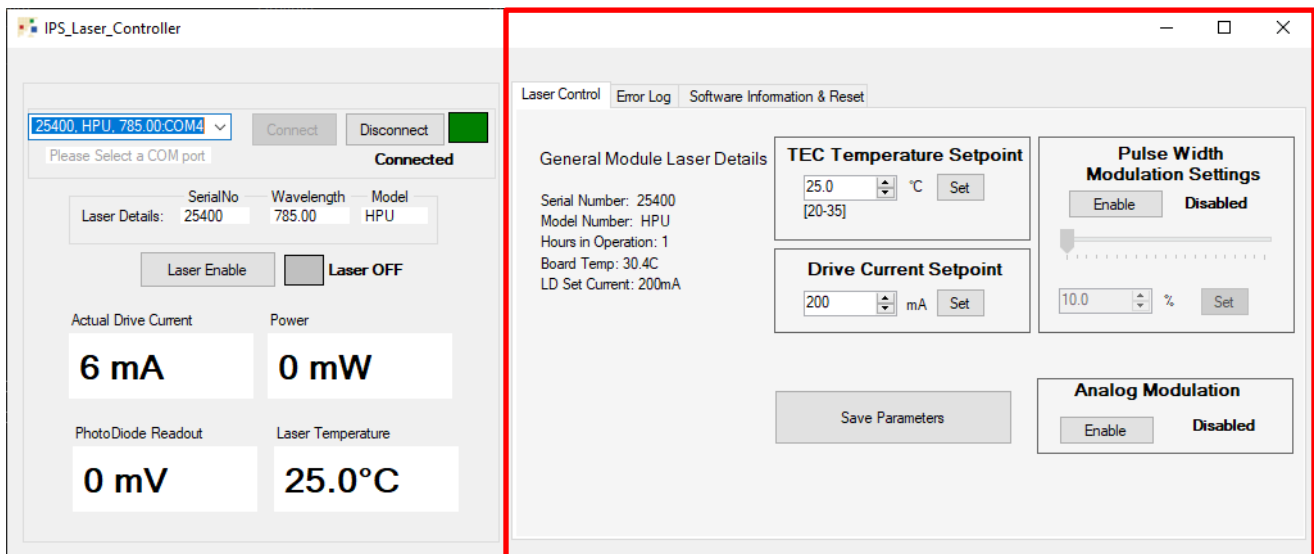
Controlling the Laser:

On the right side of the GUI you will see three different tabs: Laser Control, Error Log, & Software Information & Reset.



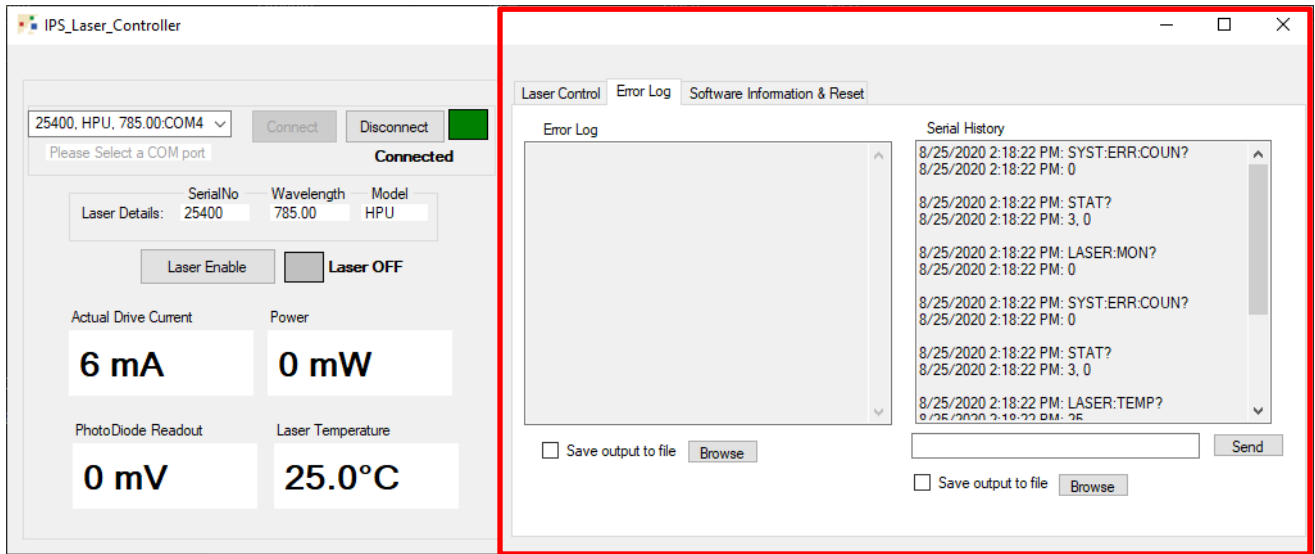
Setting the Laser Parameters:

- I. Under tab "Laser Control" you will be able to set the TEC Temperature Setpoint, Pulse Width Modulation, Drive Current & Analog Modulation.
- II. NOTE: When Enabling PWM you will need to switch the toggle on the physical laser.
- III. To control the laser using Analog input(0-1v) connect the analog input to the laser and enable Analog Modulation.
- IV. Once you click "Save Parameters" the parameters will be permanently saved until a reset is done.



Error Log & History:

- I. Under tab "Error Log" you will find the Error Log and Laser History.
- II. You can Save both the Error Log and the Serial History by checking the box next to "save output to file" then clicking Browse and choosing your file path. '
- III. To send custom commands via the serial port enter command in field below "Serial History" and hit SEND.



Software Information & Reset:

- I. Under the tab "Software Information & Reset" you will see the Power Calibration Data. (This data will not be available for the D-Type Modules).
- II. To reset to factory settings, click the **RED** reset button.

