

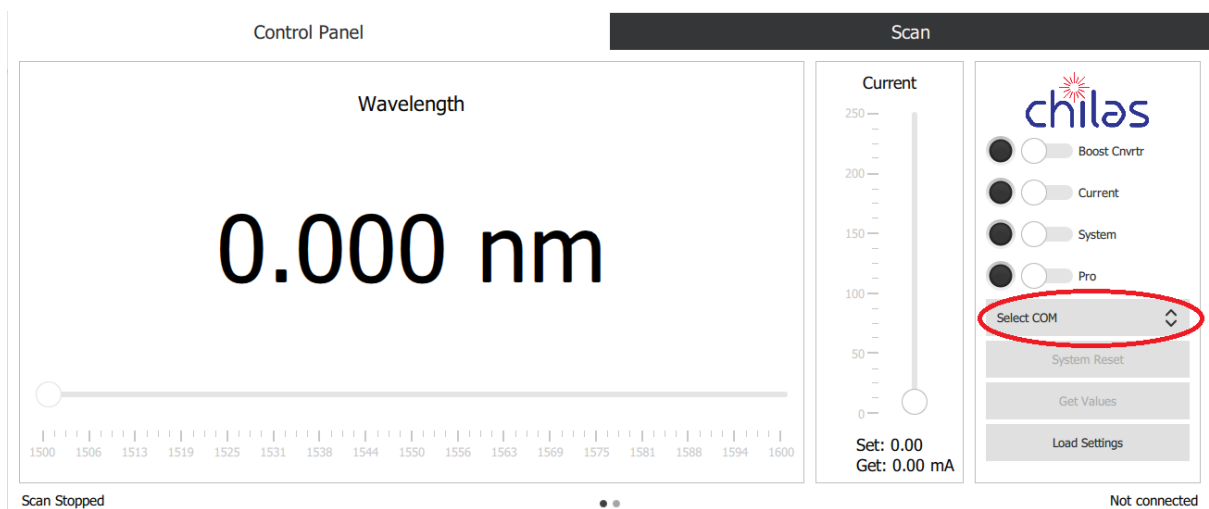
Manual CT3-2022-V1.12.exe software

Starting the software

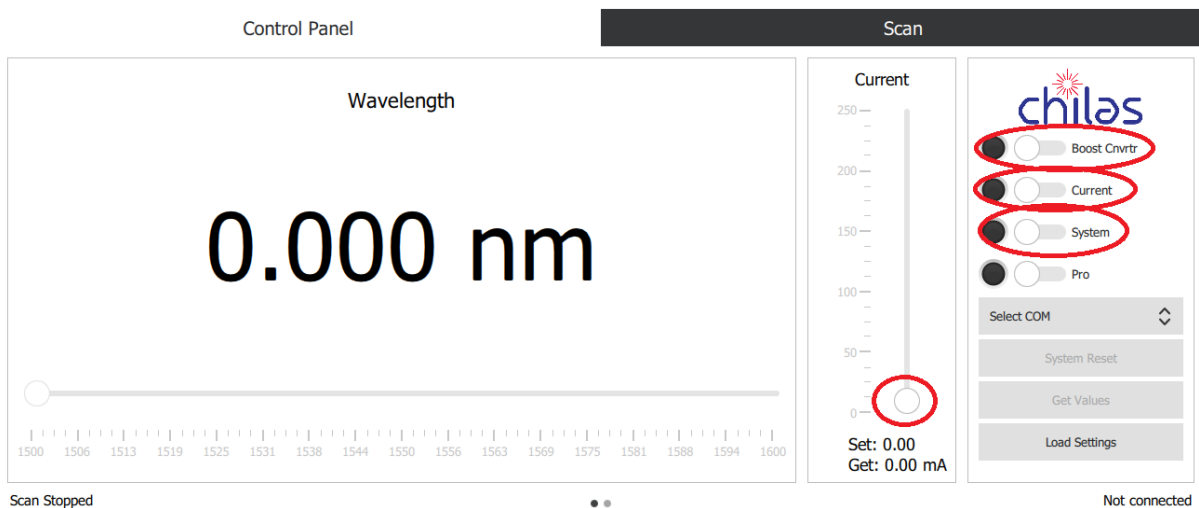
1. Open the CT3-2022-V1.12.exe software.



2. Select the COM serial port which is connected to the laser.



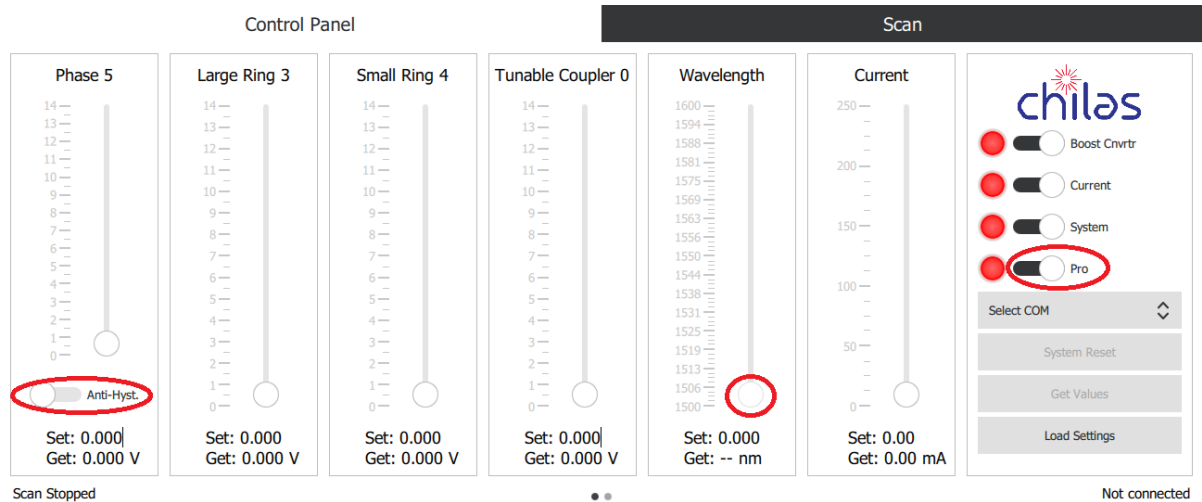
3. Turn on “System,” “Current” and “Boost Cnvrtr” toggles and set the current at 250 mA by using the slider. After sliding the current to 250 mA, the laser is turned on and light is emitted by the laser.



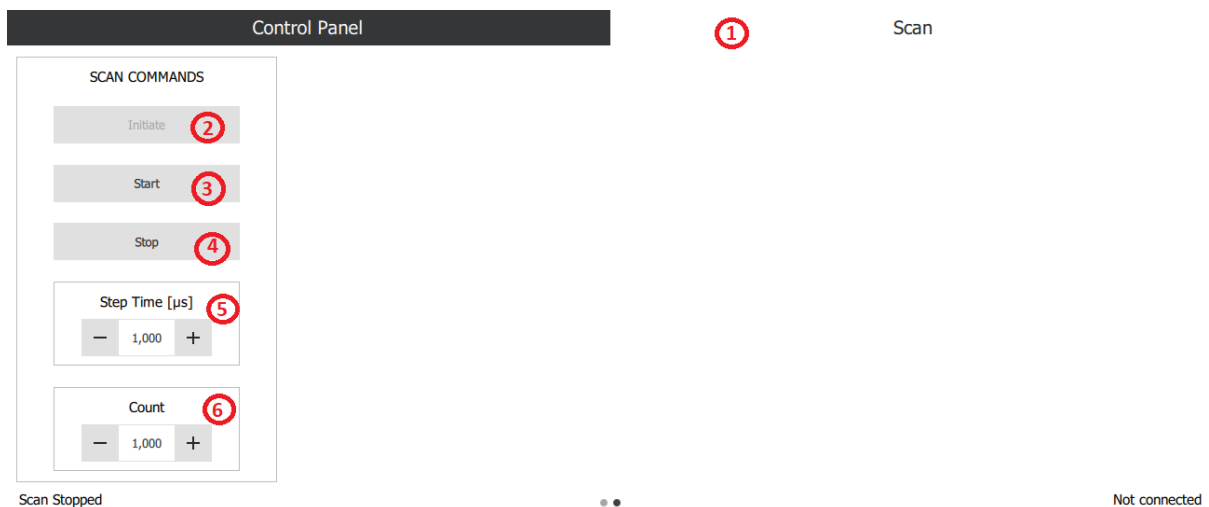
Loading the settings and adjusting the output in steady state:

In this part, the settings for the laser are loaded and the output wavelength of the laser can be adjusted.

1. Press 'Load Settings' and select the 'MAPxxxx_settings.csv' file.
2. Press 'Pro' and toggle the 'Anti-hyst.' slider.
3. Now, using the wavelength slider either in the 'Pro' menu, or the wavelength slider in the standard menu which is reached by turning off 'Pro', you can select the desired wavelength. The laser will be continuously emit light on that wavelength.



Performing a scan through the settings:



To perform a scan across the range, enter the 'Scan' (1) tab at the top of the software. To load table into the memory of the driver, first load in the settings as described in the steps above. Then, press 'Initiate' (2). The table will be saved into the memory. Initializing the table only needs to be done once, or whenever you desire to put a different table into the memory. When the table is saved into the memory and the same table is used for fast scanning purpose, it is not needed to Initialize the table again.

Adjust the step time (5) given in microseconds to the desired value by either using + and - button, or by typing the value and then press Enter. Note: When starting the program, please adjust the step atleast once using the + or the - button.

When a table is initialized into the memory, the 'Count' (6) is automatically adjusted to the value equal to the length of the table. Adjust 'Count' (6) if you only want to load in a different number of points rather than the entire table by either using + and - button, or by typing the value and then press Enter.

To start the scan, press 'Start. (3)' The software will continuously perform a scan through the settings. Press 'Stop' (4) to stop the scanning process.