

532 nm laser Quick Operation Summary—Jan 2018

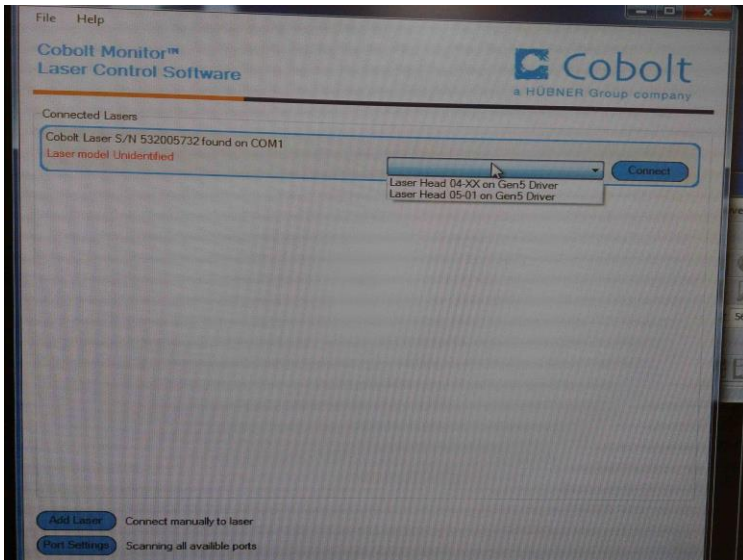
Turning the 532 nm laser on

Make sure the 532 nm laser cooling fan is turned on at the terminal strip (you should be able to hear the fan, but do not reach in to check the fan at the laser because you may disturb the optics).

Put on laser safety goggles.

Start the laser software on computer; the software is called “Cobolt Monitor”

You will see



Choose the “Laser Head 05-01 on Gen 5 driver” option and choose “Connect”.

Pull down the File menu and choose “Connect”

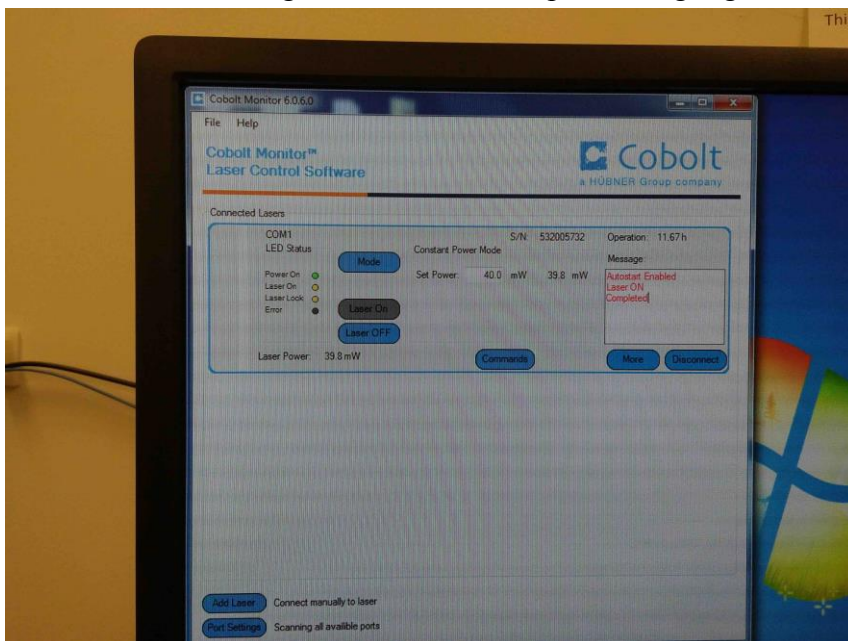
The Cobolt Monitor interface has changed in appearance.

Set laser power level in software to 40 mW.

Make sure you have chosen the button “Laser On”

Turn on the power key to laser.

Wait until the message box shows “Completed” highlighted in red. The screen will look like this:



Remove safety goggles.

You can adjust the laser power with the software from that point on. If you adjust the power above 100 mW, put the laser goggles on whenever the shutter is open.

Turning off 532 nm laser.

Turn the power key on the laser off.

Turn down the power in the software.

Disconnect the laser from the Cobolt software.

Wait 2 minutes and turn off the 532 nm laser cooling fan at the terminal strip.

Exit the laser software.