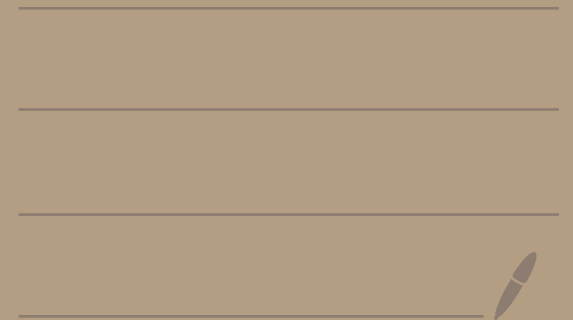


Controlling The Laser,
Startup and Shutdown Procedures.



If you're using the MOGLabs 880 nm laser systems, follow the next steps.

1.) For the main controller (system with screen on the left), check the temperature is around 20°C .

- Do the same for the seed current controller.

2.) With the beam blocked, turn on the main diode; ramp up your current in the main diode.

- warning, do not exceed 1.8 amps without seeding.

3.) Turn on the seed current

- Should be set to around 200 mA.

- Once seeded, you can drive your main controller past 1.80 amp.

- Do this gradually, as sudden changes can heat up

- I'd recommend goggles at this stage.

Shutdown:

- lower main current to below 1.8 amps.
- Turn off the seed current
- lower current in main driver all the way down, and block the beam. Turn off main driver.

Controlling Amplifiers

- Currently amplifiers are controlled by 2 separate power supplies, set at 24 V.

- On both amplifiers:

1. Need to be attenuated at input, current attenuated by 17 dBm.
2. Red terminal is positive, green is ground/common.