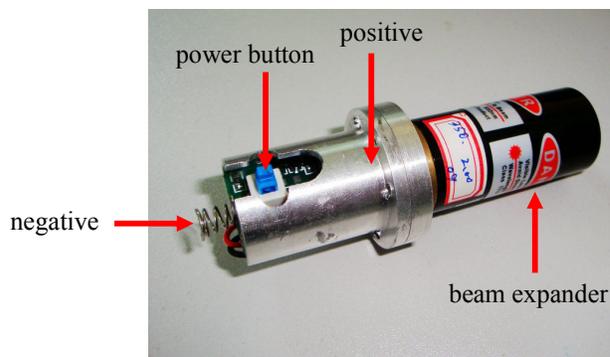


High-power laser module instructions

Note: to avoid damaging the device, please make sure the temperature of the laser case is equivalent to its working temperature before operating the laser.

1. Operation Instructions

- 1.1. contact the rear half (the aluminum casing) of the laser head to a cooling material, preferably a metallic block such as a metal plate, a metal collar, a metal case or sleeve, or a dedicated metal heatsink;
- 1.2. make sure the power button is “off”;
- 1.3. adjust the power supply voltage to (DC3V-3.7V), and current to (available 2A) [an 18650 battery works well for this];
- 1.4. identify the positive and negative end, power on the module, the indicating lights will illuminate blue;
- 1.5. press the power switch, the module start working slowly;
- 1.6. if the module is not properly cooled, it should not be run for more than 1 minute on / 1 minute off, otherwise the module will overheat, causing power attenuation, a reduced lifespan, and eventually failure.



2. Safety Information

- 2.1. do not point directly at people, especially the eyes;
- 2.2. do not look directly into the laser light, scattered light or reflecting light;
- 2.3. to reduce the chance of personal injury, avoid contact with the laser beam with any part of the body;
- 2.4. heat is generated in the Laser system working process, please remember to mount the laser head to a cooling material, preferably metal;
- 2.5. the best operating environment is well-ventilated, fairly dry (less than 65% relative humidity), clean, static-free and with a temperature between 70 ~ 90°F (20 ~ 30°C);
- 2.6. do not make any modifications to the laser (except for a heatsink or shell/case);
- 2.7. do not oscillate, shock, or bump the laser;
- 2.8. do not burn anything around the laser as the smoke might affect the cleaning of the laser optical components, thus affecting the beam quality and power.