

Power Drive Controls

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Operation Notes for PL530 Laser Driver Board LHT-94

1. Refer to the Pinout drawing
2. Connect +5Vdc (2 Amp) to J2, positive at pin 1.
3. S1 is a 3 position slide switch, pre-set to power off at position 1.
Slide the switch to position 2 to enable the board power and temperature controller.
Hold the switch at the position 2 and watch the LED changing the color from RED to GREEN in few seconds.
When the LED is GREEN, slide the switch to position 3 to enable the laser and heater power.
4. The laser current pre-set to around 400 mA (limited to 470 mA).
5. The heater current pre-set to around 70 mA (Adjustable from 50 mA to 80 mA).

Note: The heater current has a significant effect on the laser power output. The heater potentiometer needs to be finely turned to obtain the desired laser power output.