

Helmholtz Coils (4-20-2017)

- Make sure wires are all connected in the correct locations.

Sensoray pin 42 -> pin 2 on x-axis drive [red wire]

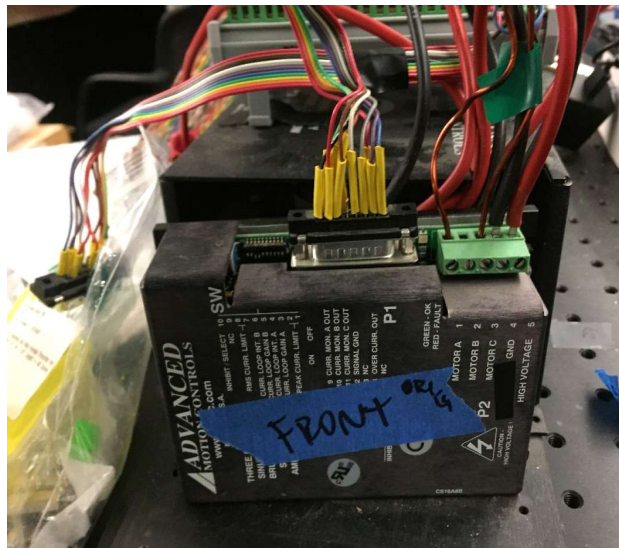
Sensoray pin 44 -> pin 2 on y-axis drive [red wire]

Sensoray pin 46 -> pin 2 on z-axis drive [red wire]

Sensoray pin 48 -> pin 8 on all drives [blue wire]

Sensoray pin 50 -> pins 1 & 3 on all drives [black and brown wires]

Coil wires go in 'MOTOR A 1' & 'MOTOR C 3'. Power supply ground (black) goes in 'POWER GND 4'. Power supply power (red) goes in 'HIGH VOLTAGE 5'.



- Rebuild Sensoray library

```
$ cd ~/DAQ
```

```
$ sudo make clean
```

(password: telerobotics)

```
$ sudo make
```

\$ sudo make install

\$ sudo rmmod s626

\$ sudo modprobe s626

\$ make clnall

\$ make lib

- GUI
~/Desktop/helmholtz/helmholtz_interface
- Turn timer to provide power to system