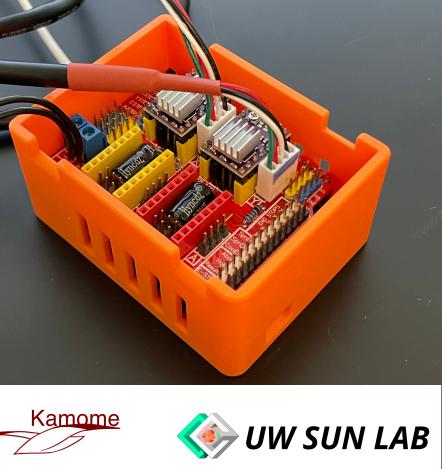
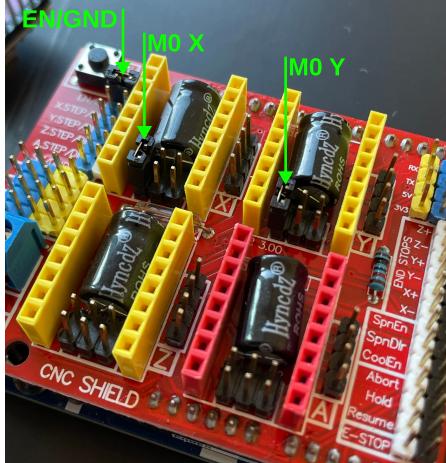


Kamome Electronics Setup



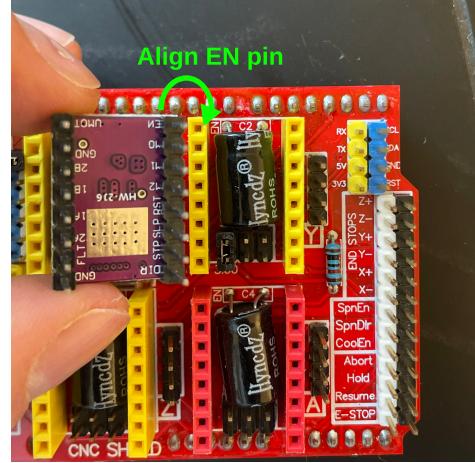
1

3x jumper caps
Install at EN/GND, M0 for X, M0 for Y



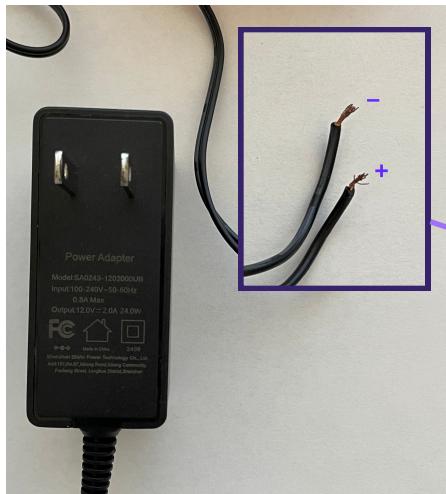
2

2x DRV8825
Install at stepperX, stepperY

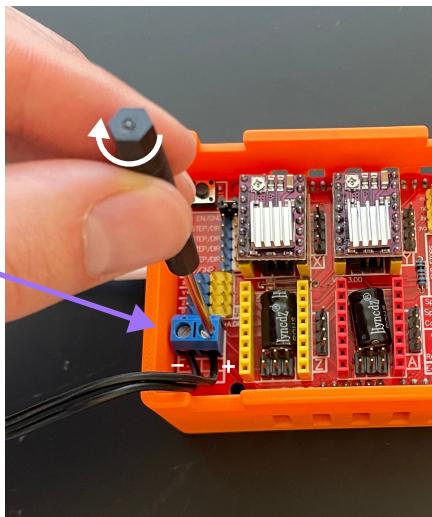


3

1x 12V 2A power adapter (unplugged)
Use wire peeler to expose wires
Check polarity using a multimeter

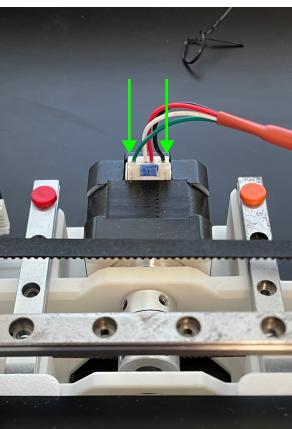
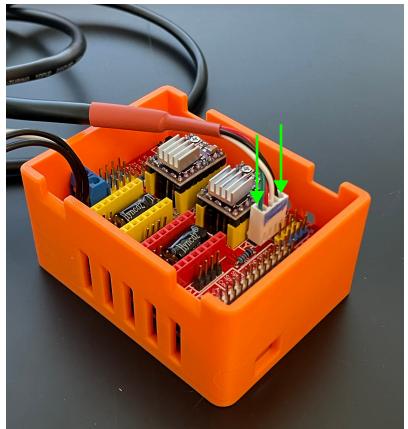


Insert into corresponding terminals on
CNC shield and tighten connection
securely



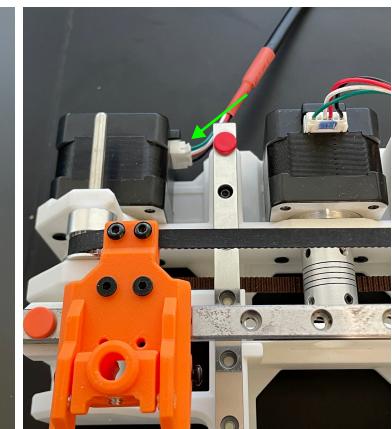
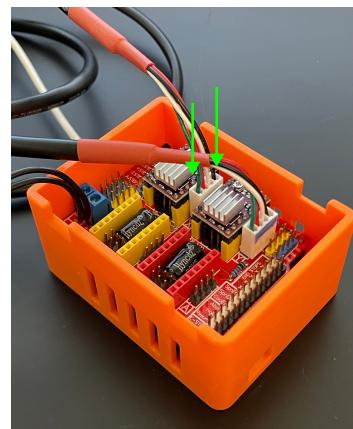
4

1x 4-to-6-pin motor cable to stepperY



5

1x 4-to-6-pin motor cable to stepperX



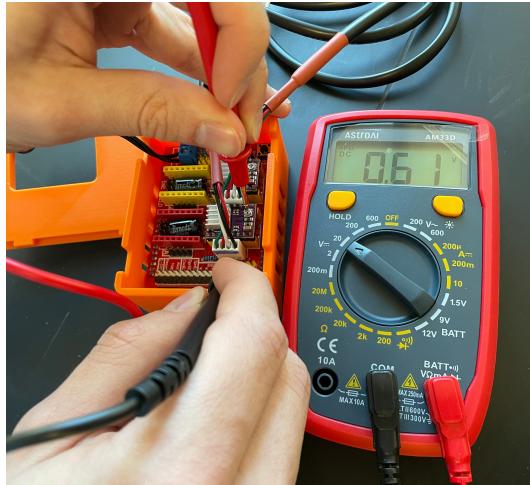
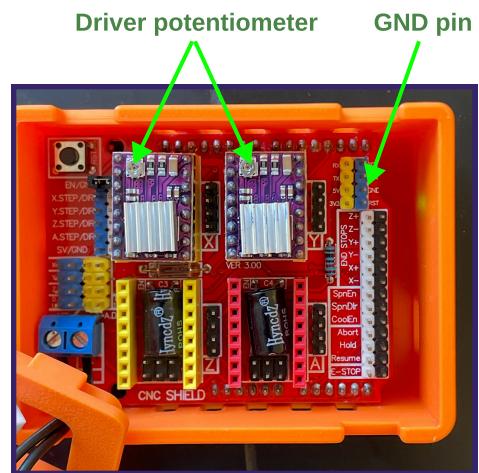
6

Before setting the current limit, double check:

- Drivers are connected in the correct orientation (EN pins are aligned)
- Power adapter wires are connected securely and polarities are aligned

Power up the CNC shield using the power adapter, and connect the Arduino to a computer using the USB-C port

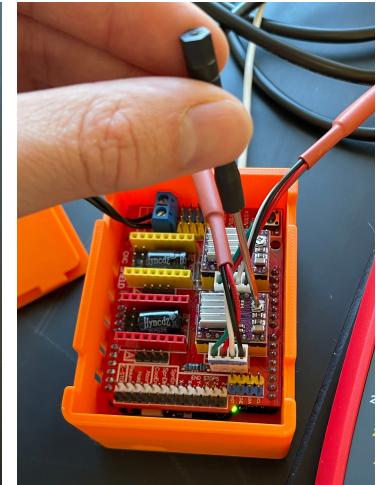
Adjust the current limit* of each driver by measuring and setting the voltage between its potentiometer knob and the GND pin to 0.60V



stepperY



stepperX

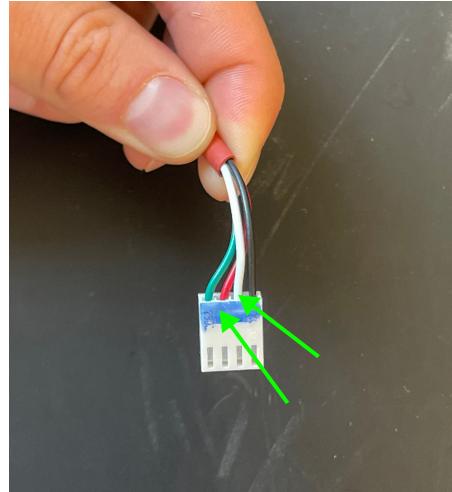


Adjust voltage using potentiometer
on top left of the driver

7

Motor cable troubleshooting

Depending on the manufacturer, the order of the red and white motor wires may be incompatible with the CNC shield



If the stepper motors vibrate without moving after assembly, check the motor wiring by following these instructions:

vslot-poland.com/stepper-motor-connection

*For more technical information on the DRV8825 and current limits, visit <https://www.pololu.com/product/2133>