Setup odrive

https://github.com/odriverobotics/ODrive/releases

Conda env for odrive and odrivetool

<https://docs.odriverobotics.com/v/latest/interfaces/odrivetool.html#install-odrivetool>

<https://github.com/makerbase-mks/ODrive-MKS.git>

ODESC V4.2. It seems to have the same hardware as this:  
[ODrive-MKS/Hardware/MKS ODRIVE MINI V1.0 Schematic.pdf at main · makerbase-motor/ODrive-MKS · GitHub](https://github.com/makerbase-motor/ODrive-MKS/blob/main/Hardware/MKS%20ODRIVE%20MINI%20V1.0%20Schematic.pdf)

Ensure the winusb driver is used. Other software not using com ports

firmware buttons

A close up of a circuit board

AI-generated content may be incorrect.

Cam config

In [4]: odrv0.can

Out[4]:

config:

baud\_rate: 250000 (uint32)

protocol: 0 (int32)

error: 0 (int32)

set\_baud\_rate(obj: object\_ref, baudRate: uint32)

Initial config:

brake\_resistance: 2.0 (float)

dc\_bus\_overvoltage\_ramp\_end: 59.92000198364258 (float)

dc\_bus\_overvoltage\_ramp\_start: 59.92000198364258 (float)

dc\_bus\_overvoltage\_trip\_level: 59.92000198364258 (float)

dc\_bus\_undervoltage\_trip\_level: 8.0 (float)

dc\_max\_negative\_current: -9.999999974752427e-07 (float)

dc\_max\_positive\_current: inf (float)

enable\_ascii\_protocol\_on\_usb: True (bool)

enable\_dc\_bus\_overvoltage\_ramp: False (bool)

enable\_i2c\_instead\_of\_can: False (bool)

enable\_uart: True (bool)

gpio1\_pwm\_mapping:

endpoint: None (object\_ref)

max: 0.0 (float)

min: 0.0 (float)

gpio2\_pwm\_mapping:

endpoint: None (object\_ref)

max: 0.0 (float)

min: 0.0 (float)

gpio3\_analog\_mapping:

endpoint: None (object\_ref)

max: 0.0 (float)

min: 0.0 (float)

gpio3\_pwm\_mapping:

endpoint: None (object\_ref)

max: 0.0 (float)

min: 0.0 (float)

gpio4\_analog\_mapping:

endpoint: None (object\_ref)

max: 0.0 (float)

min: 0.0 (float)

gpio4\_pwm\_mapping:

endpoint: None (object\_ref)

max: 0.0 (float)

min: 0.0 (float)

max\_regen\_current: 0.0 (float)

uart\_baudrate: 115200 (uint32)

Can config:

250000 baud

Can node starts

Right =10

Left=20