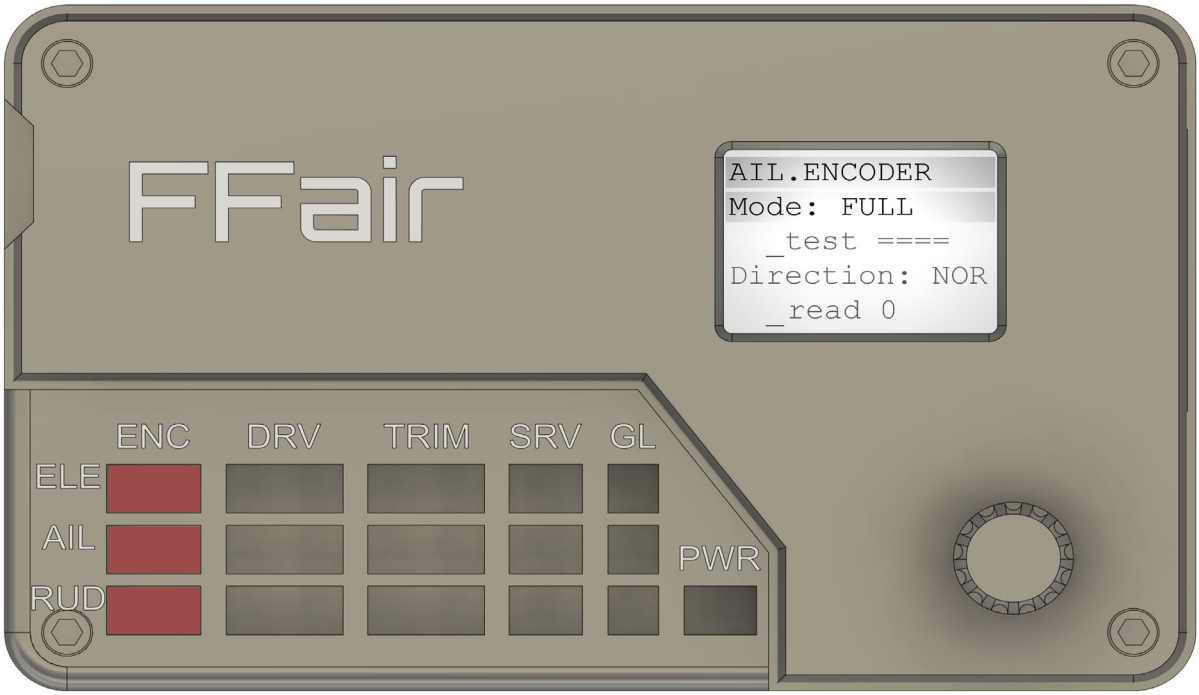
FFair system

WIRING GUIDE

ENCODER. LPD3806



gnd	5v	pinA	pinB

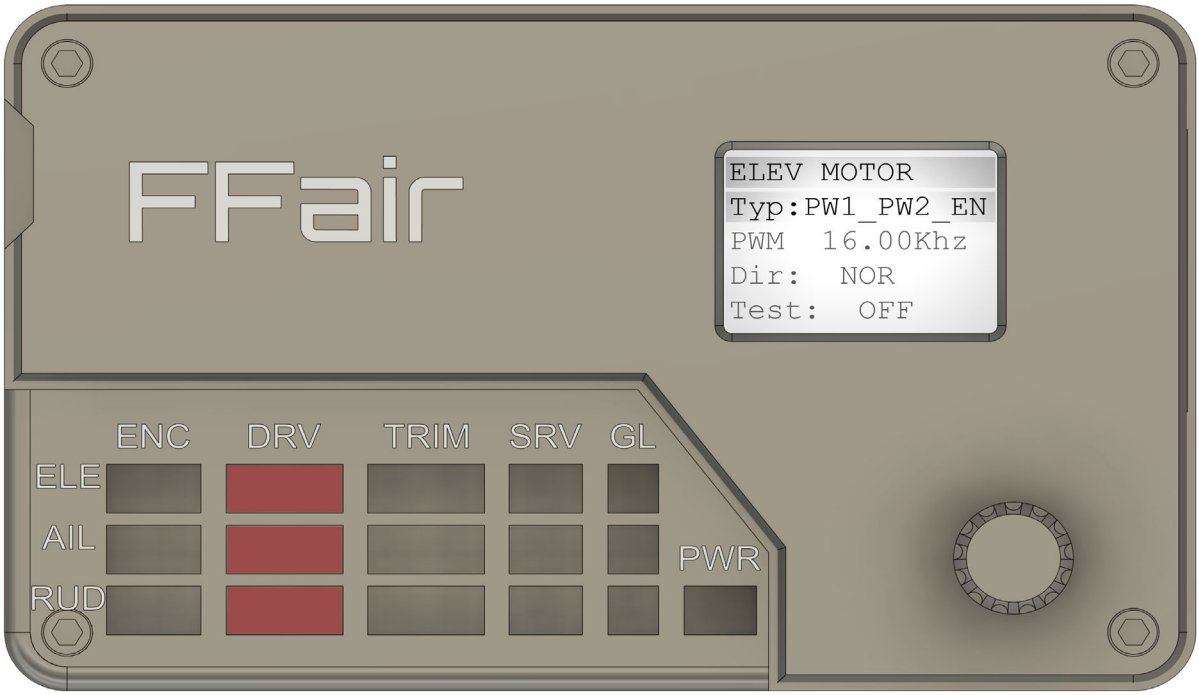
Gnd: black

5v: red

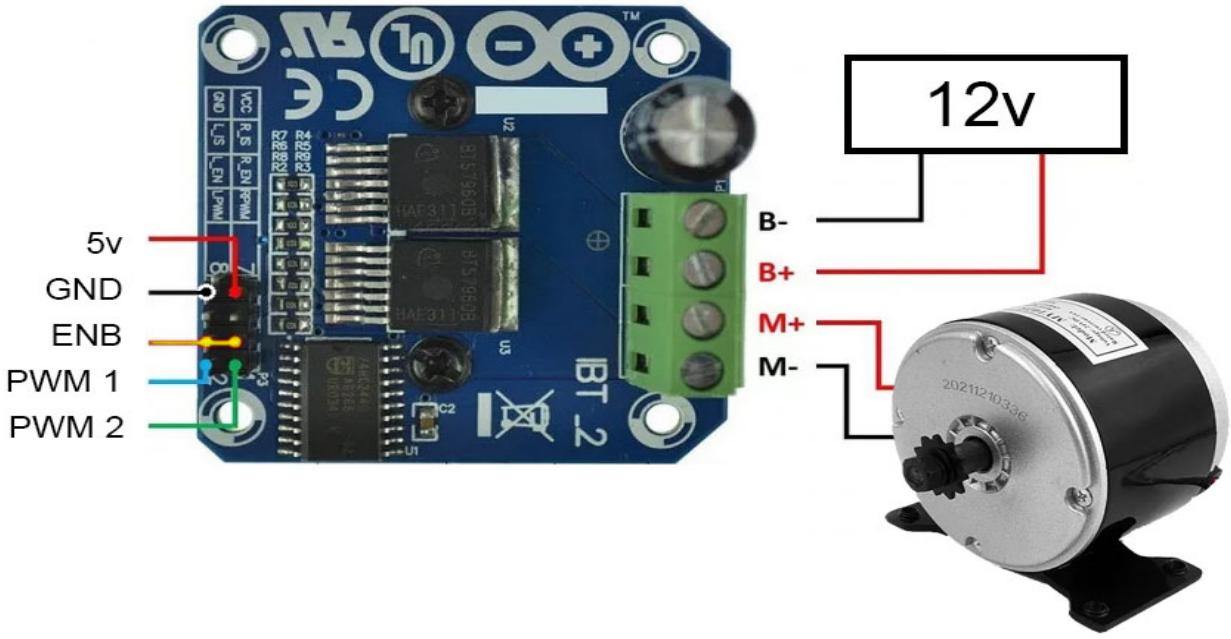
Pin A: any other cable

Pin B: any other cable

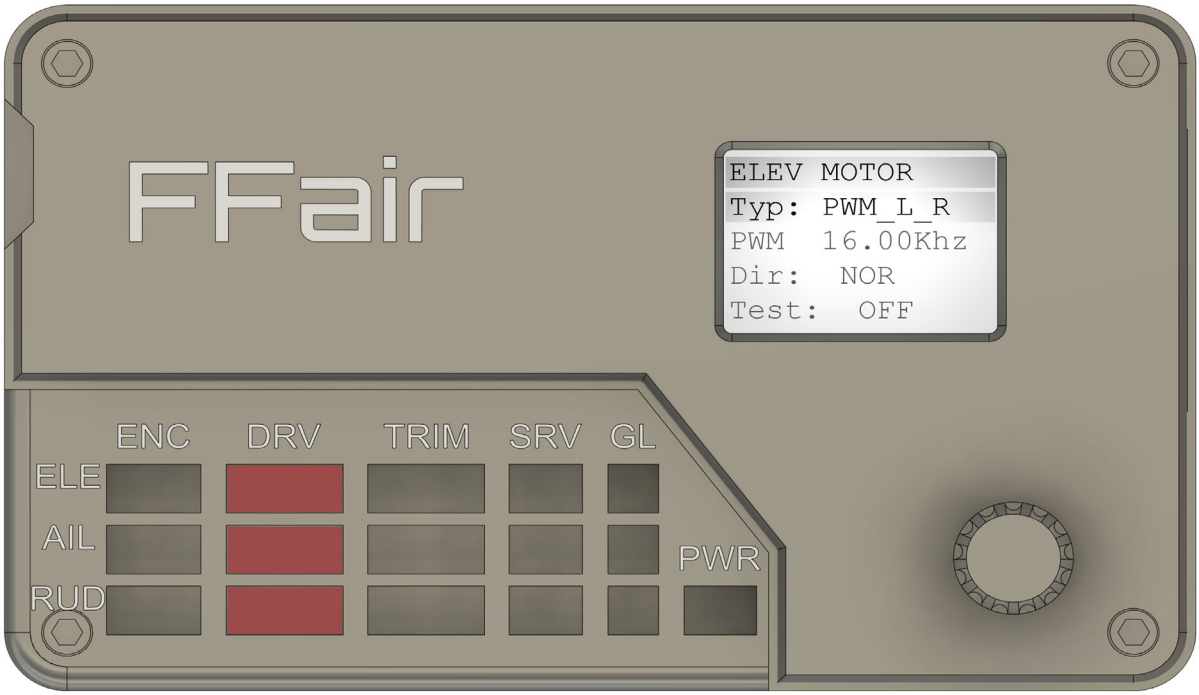
MOTOR DRIVER. BTS7960



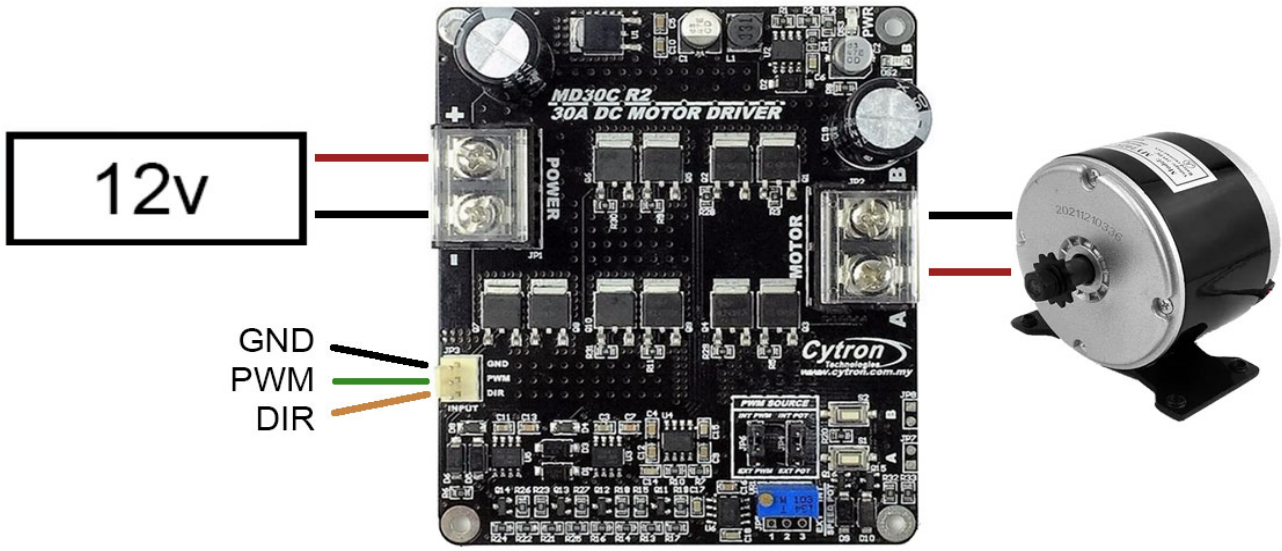
gnd	5V	pwm1	pwm2	enb



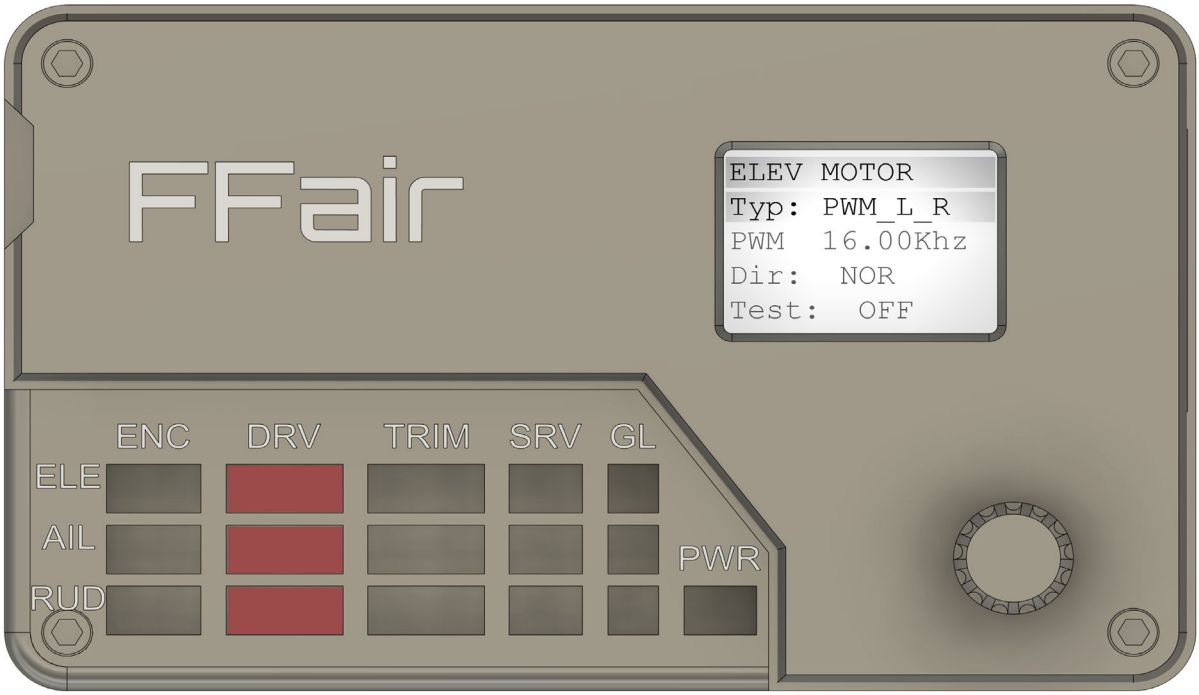
MOTOR DRIVER. CYTRON MD30C



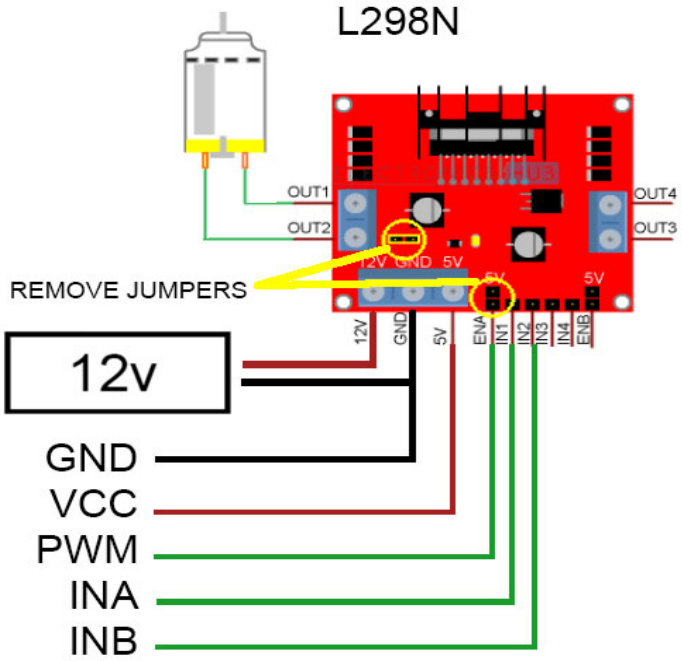
gnd		pwm		dir

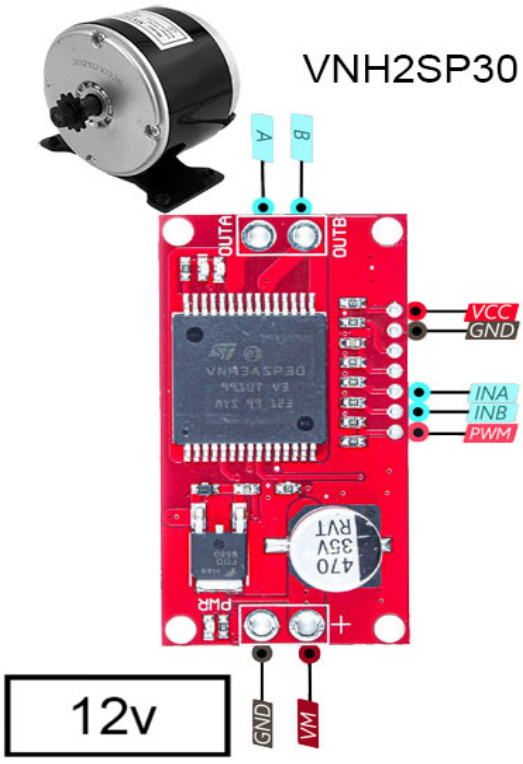


MOTOR DRIVER. L298N STYLE. VNH2SP30

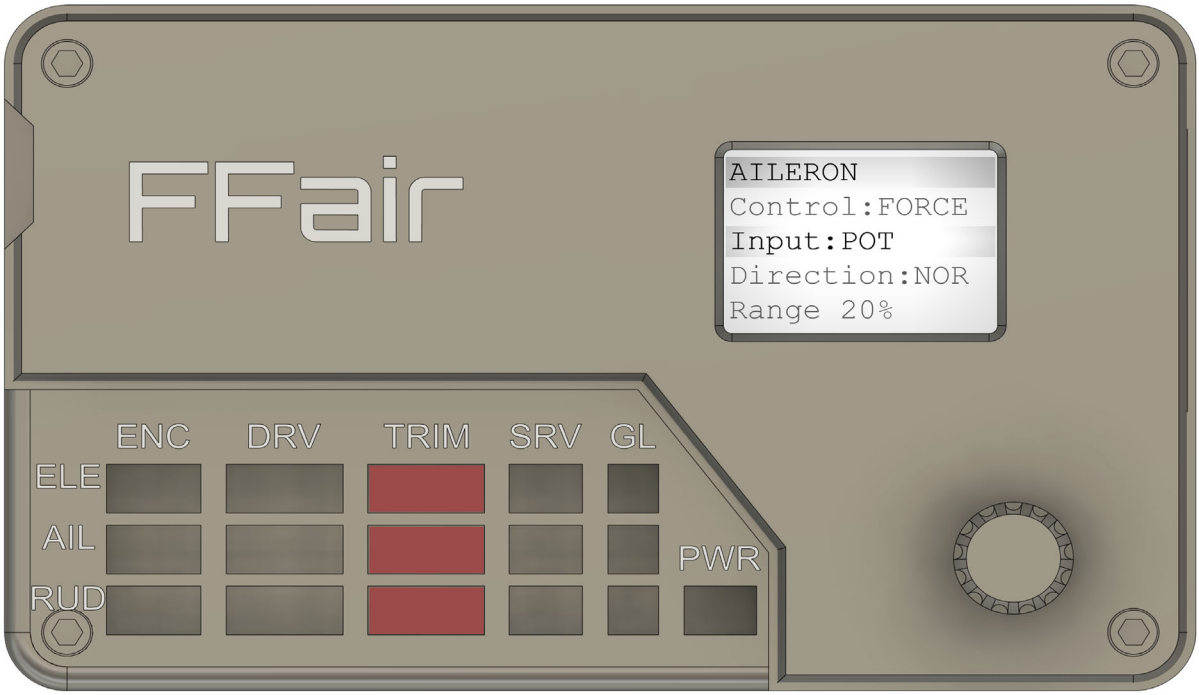


GND	VCC	PWM	INA	INB

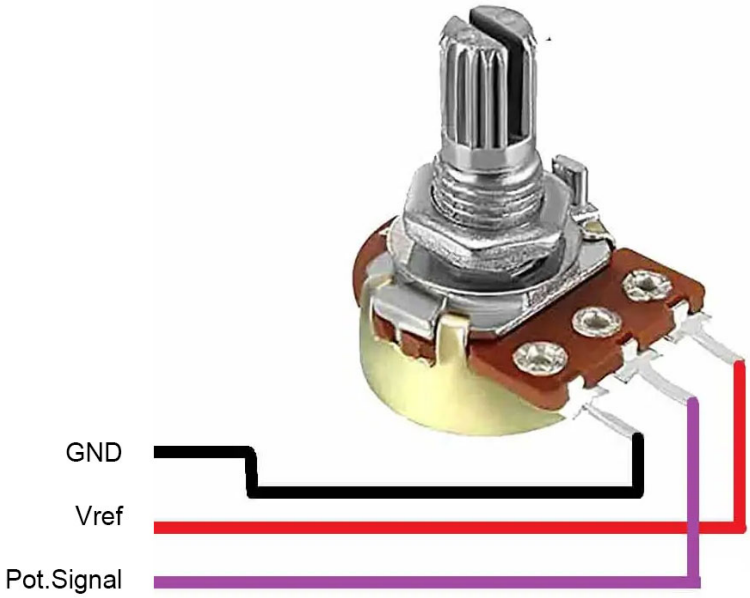




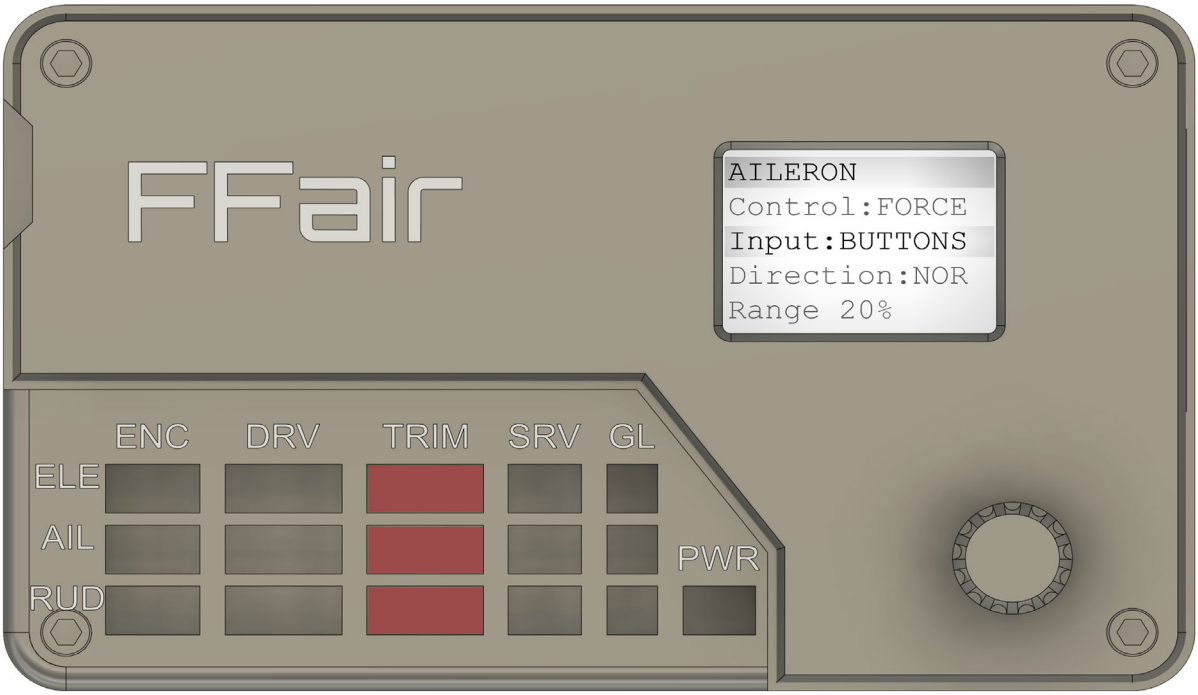
TRIM. POTENTIOMETER



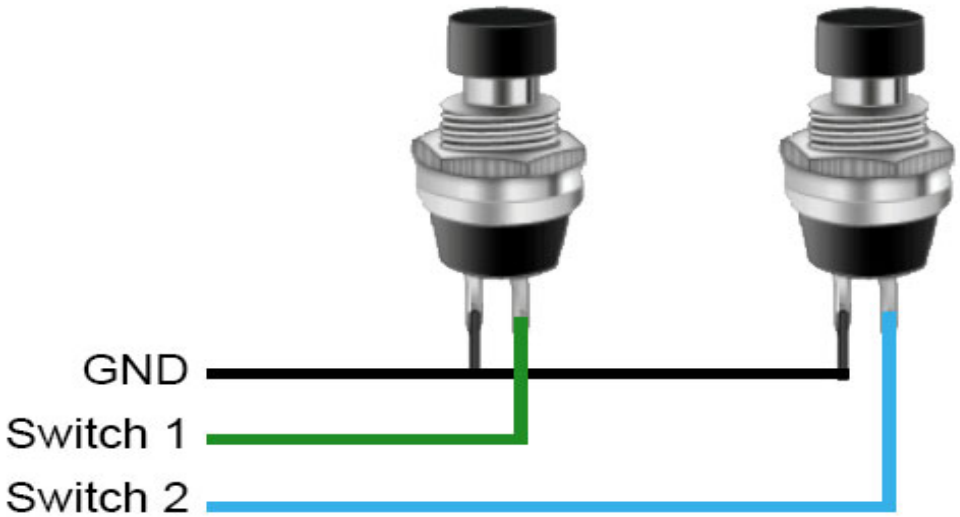
gnd	Vref	Pot		



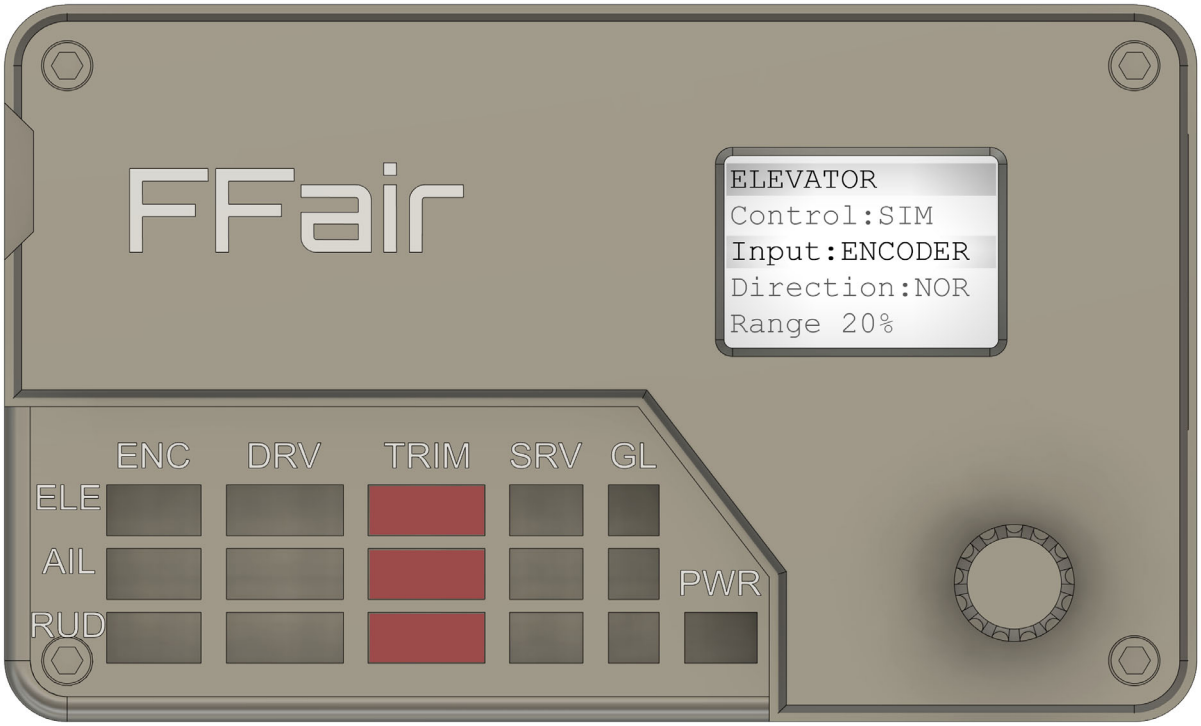
TRIM. BUTTONS



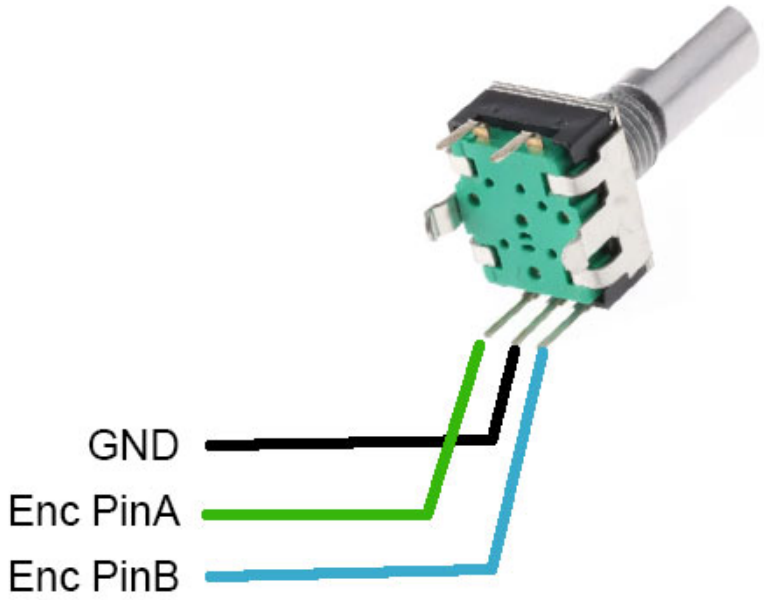
gnd			sw1	sw2



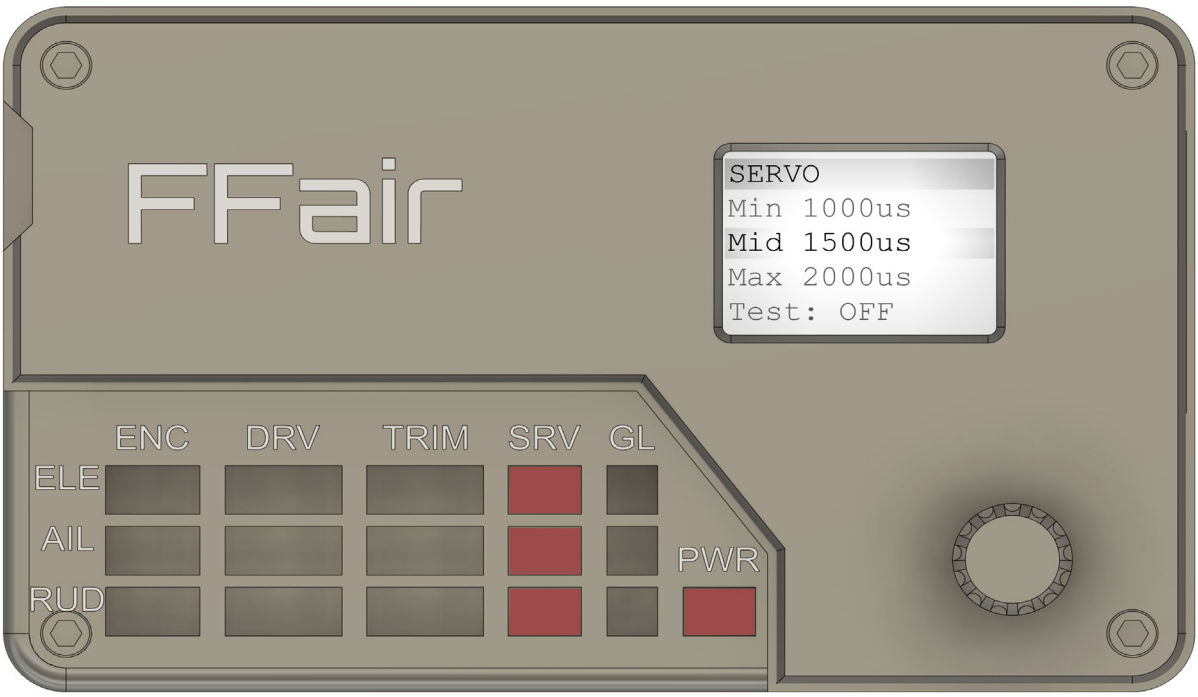
TRIM. ENCODER



gnd			A	B

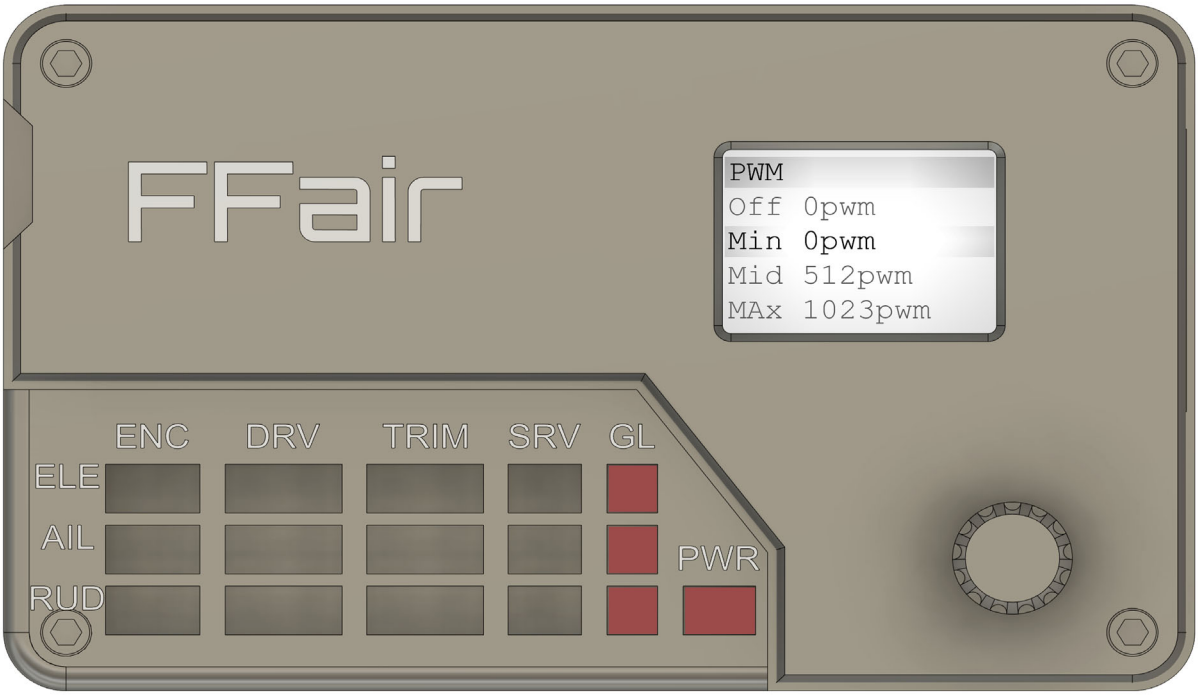


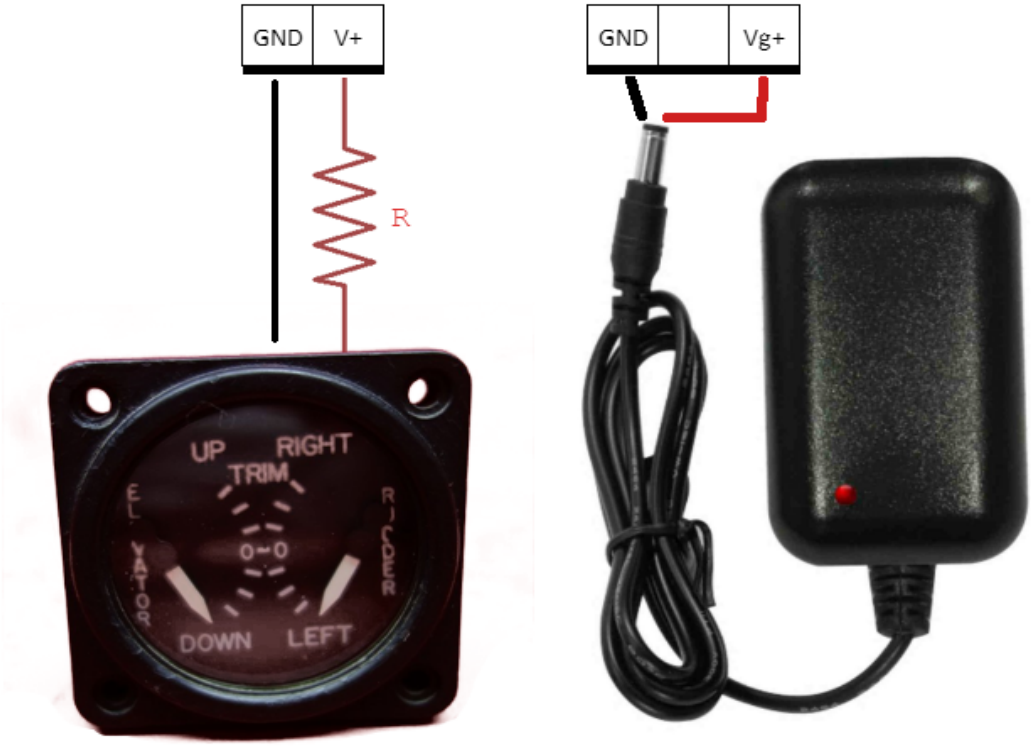
TRIM INDICATOR. SERVO



You need to use PWR connector when using Servo indicators. The voltage in Vs+ power connector will feed V+ in servo connector. 5v 1A power supply recommended.

TRIM INDICATOR. GALVANOMETER



You need to use PWR connector when using galvanometer indicators. The voltage in Vg+ power connector will feed V+ in servo connector. It depends on galvanometer, but 12v is usually fine. You will have to look for a resistor to find max galvanometer deflection when 1023pwm signal output.

Only the galvanometers that rest at one side (min or max) are supported, because FFair can only move the needle to one side.