MANUAL

The Flipsky ESC is based upon the VESC Open Source Project, and compatible with VESC Software.

The Flipsky ESC is a highly modifiable electronic speed controller designed with DIY Electric Skateboards conversions in mind.

The Flipsky ESC allows you to use sensorless motors to achieve smooth start-up from a stop versus traditional RC ESC's which may have trouble starting from a complete stop. It also provides strong. reliable and progressive electric braking.

You can connect your ESC to your computer and modify them using the VESC BLDC Tool. Our ESC ships to you tested multiple times during the production cycle and are ready to use. The ESC will provide optimum performance when configured for your particular motor and battery voltage.
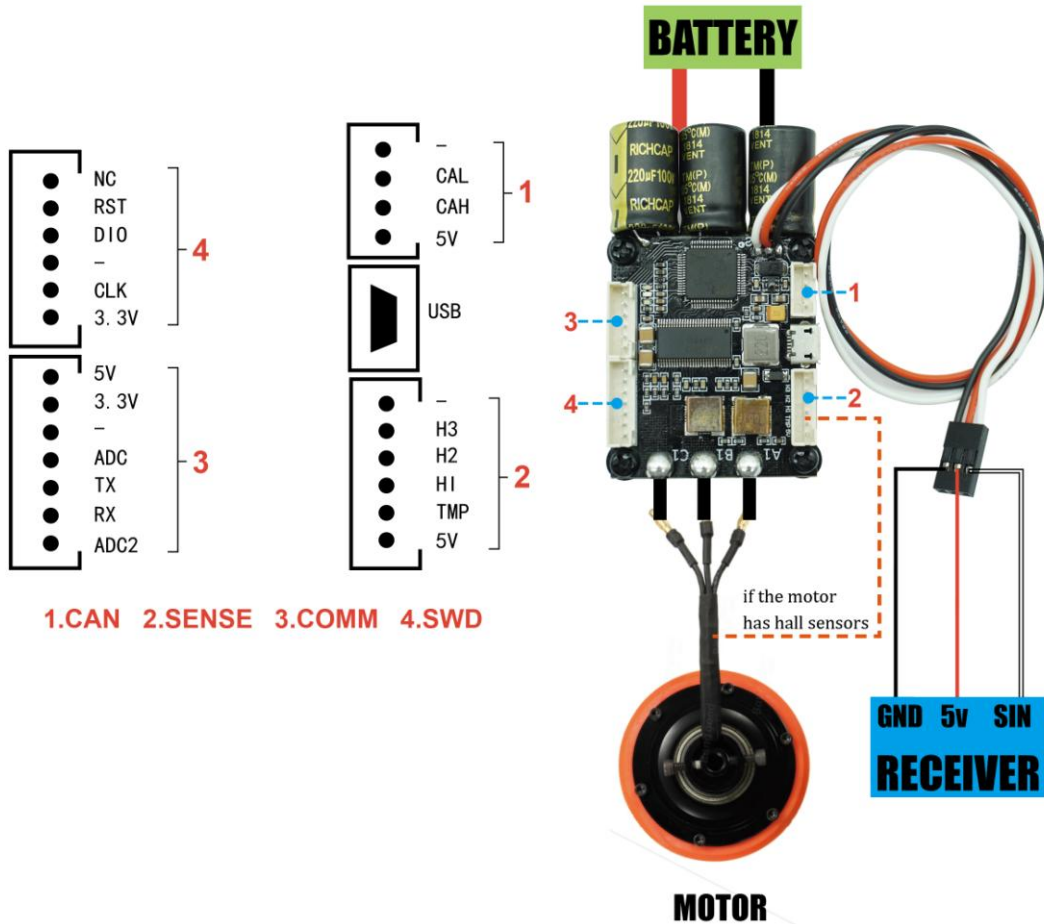
Specs:

- ◆ Hardware:V4.20
- ◆ Firmware: Latest Version
- ◆ Amps: 50A continuous / 150A peak
- ◆ Cells: 3-13S LiPo
- ◆ Voltage: 8V-60V
- ◆ BEC: 5V@1.5A
- ◆ BEC type: Internal driver support
- ◆ Timing: Software calibration
- ◆ Cutoff Voltage: Programmable
- ◆ Frequency: PWM input
- ◆ Governor: No
- ◆ Weight: 80g
- ◆ PCB Size: 39x46x17.4mm
- ◆ Size:67 x39x18.3mm(Include Heatsink)
- ◆ Programming card: No
- ◆ Reverse: Yes

The package contains:

1*Mini FSECS4.20

1* Micro USB

1* VESC Sensor Wire

1* Manual

1*PPM cable soldered in Mini FSESC2.0

https://flipsky.net/

CONNECTION DIAGRAM:


```
NC
RST
DIO        4
—
CLK
3.3V

5V
3.3V
—
ADC        3
TX
RX
ADC2
```

```
—
CAL        1
CAH
5V

USB

—
H3
H2         2
HI
TMP
5V
```

1.CAN 2.SENSE 3.COMM 4.SWD

BATTERY

if the motor has hall sensors

GND 5v SIN
RECEIVER

MOTOR

https://flipsky.net/

http://www.flipskytech.com/