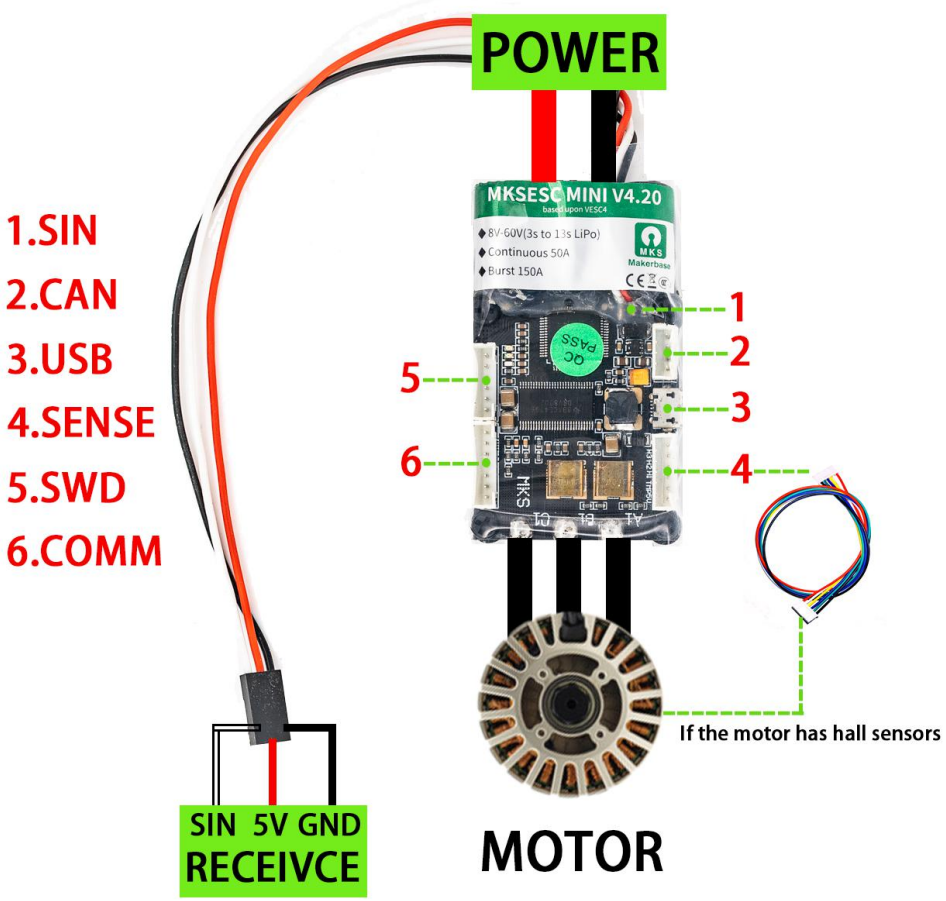
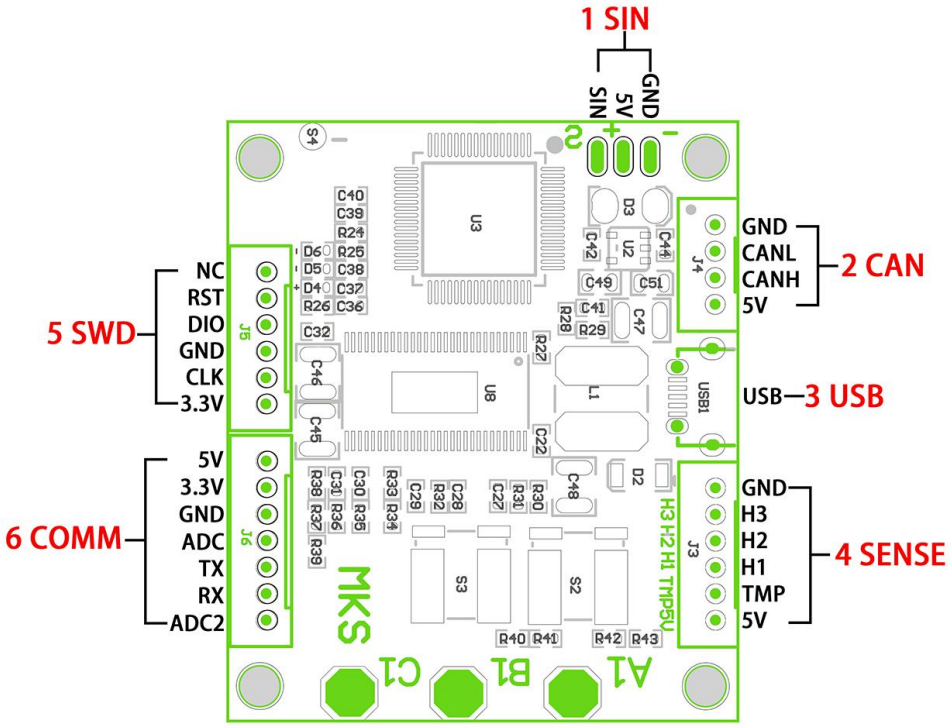
Wiring diagram





Manual

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

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

The Makerbase 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 time during the production motor and battery voltage.

Specs:

- Hardware: V4.20
- Firmware: BLDC_4_ChibiOS
- Voltage: 8V-60V(Safe for 3S to 13S LiPo)
- Current: 50A continuous,150A peak
- BEC: 5V@1.5A
- BEC type: Internal driver support
- Timing: Software calibration
- Cutoff Voltage: Programmable
- Frequency: PWM input
- Governor: No
- Programming card: No
- Reverse: Yes
- PCB size: 39mm * 67mm * 1.6mm
- Size:67mm*39mm*18.3mm
- Weight: 80g

Technical support:

MKSESC step by step lessons in YouTube:

https://www.youtube.com/playlist?list=PLc2RScfrSFECJst8vKtBXp192P-YP1ry5

MKSESC repository in Github:

https://github.com/makerbase-mks/VESC-MKS

The shipping package contains:

1*MKSESC MINI V4.20

1*MINI USB

1*MKSESC Sensor Wire