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 for DIY Electric Skateboards conversions in mind.

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

FLIPSKY Electric Skateboard Speed Controller FSESC 4.12 50A ESC：

Application	50A FSESC 4.12 for electric longboard/RC Car
Size(mm)	105mm*42mm*20mm
Motor supported	sensor & sensorless brushless motor

Specs:

- ◆ Hardware:V4.12
- ◆ PCB:4 layers, size: 40*60mm
- ◆ Current: 50A continuous / 240A peak
- ◆ Cells: 3-13S LiPo
- ◆ Voltage: 8V-60V
- ◆ BEC: 5V@1.5A
- ◆ BEC type: Internal driver support
- ◆ Timing: Software calibration
- ◆ Motor control interface: PPM signal (RC servo), analog, UART, I2C, USB or CAN - bus.
- ◆ Cutoff Voltage: Programmable
- ◆ Frequency: PWM input
- ◆ Governor: No
- ◆ Weight: 80g
- ◆ Programming card: No
- ◆ Reverse: Yes

PARAMETER TUNING：

INPUT SETUP WIZARD FOR SINGLE VESC USING A PPM SIGNAL RADIO CONTROLLER： https://cdn.shopify.com/s/files/1/0011/4039/1996/files/Input_Setup_Wizard_for_single_VESC_using_a_PPM_signal_radio_controller.pdf?11313553160569203029	
MOTOR SETUP WIZARD： https://cdn.shopify.com/s/files/1/0011/4039/1996/files/Motor_Setup_Wizard.pdf?11313553160569203029	

CONNECTION DIAGRAM: