Manual

DUAL FSESC 6.6 with firmware version VESC_default_no_hw_limits, compatible with Benjamin VESC TOOL, can be used for models, multi-axis aircraft, electric vehicles, electric skateboards, golf carts, smart cars, robots, and simple industrial position control.

Spec

- Hardware: V 6.6
- Firmware: VESC_default_no_hw_limits
- Voltage: 8V - 60V (Safe for 3S to 12S LiPo) for the dual ESC
- Voltage spikes may not exceed 60V
- Current: Continuous 100A single, total 200A, Instantaneous current 400A per single, total 800A for system instantaneous current.
- 5V 1.5A output for external electronics for single
- 3.3V 1A output for external electronics for single
- Modes: DC, BLDC, FOC (sinusoidal)
- Supported sensors: ABI, HALL, AS5047
- Include Aluminum Heatsink

The package contains:

- 1*Dual FSESC6.6+Heatsink
- 2*VESC Sensor Wires
- 1*Micro USB
- 1*PPM cable soldered in Dual FSESC6.6
- 1*Manual

https://flipsky.net/  http://www.flipskytech.com/
Wiring diagram

1. SWD  2. COMM  3. RECEIVER  4. PPM  5. SENSE

1. 3.3V  
   SWCLK  
   GND  
   SWDIO  
   NRST  

2. ADC 3  
   ADC 1  
   GND  
   3.3V  
   5V  
   TX  
   RX  
   SERVO  
   5V  
   GND  
   TX  
   RX  

3. RX  
   TX  
   5V  
   GND  
   SERVO  

4. GND  
   HALL 1  
   HALL 2  
   HALL 3  
   TEMP-MOTOR  
   V+(sensor voltage)  

5. GND  
   HALL 1  
   HALL 2  
   HALL 3  
   TEMP-MOTOR  
   V+(sensor voltage)  

BATTERY

RECEIVER (PPM)

1. 3.3V  
   SWCLK  
   GND  
   SWDIO  
   NRST  

2. 5V  
   3.3V  
   GND  
   ADC 1  
   RX  
   TX  
   ADC 2  
   ADC 3  

3. RX  
   TX  
   GND  
   5V  
   SERVO  

4. GND  
   HALL 1  
   HALL 2  
   HALL 3  
   TEMP-MOTOR  
   V+(sensor voltage)  

if the motor has hall sensors
if the motor has hall sensors

MOTOR  MOTOR