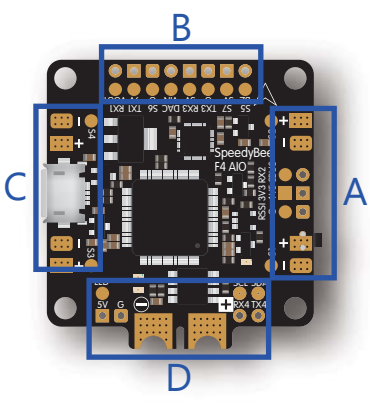
SPEEDYBEE FLIGHT CONTROLLER SETTING THE PARAMETERS VIA APP

SpeedyBee F4 AIO Manual

Overview



Features-A

- S1: ESC Signal
- RSSI
- G: Ground
- 3V3: 3.3V output for other devices
- 4V5: 4.5V output for other devices
- RX2
- SBUS:Built in inverter of RX2 for SBUS input
- S2: ESC Signal
- Boot: Boot(DFU)mode button

Features-B

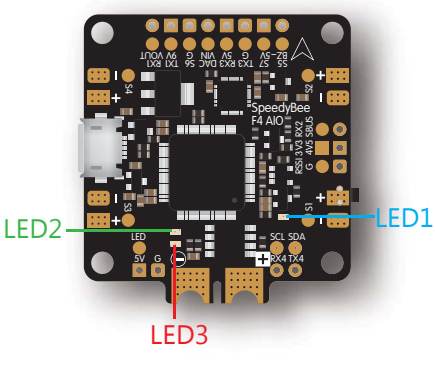
- S5: ESC Signal
- S7: ESC Signal
- BZ-&5V: 5V Buzzer
- TX3/RX3: UART3
- G: Ground
- 5V: 5V output for other devices
- VIN: video input
- S6: ESC Signal
- G: Ground
- TX1/RX1: UART1
- 9V: 9V output for others devices
- VOUT: video output

Features-C

- S4: ESC Signal
- S3: ESC Signal

Features-D

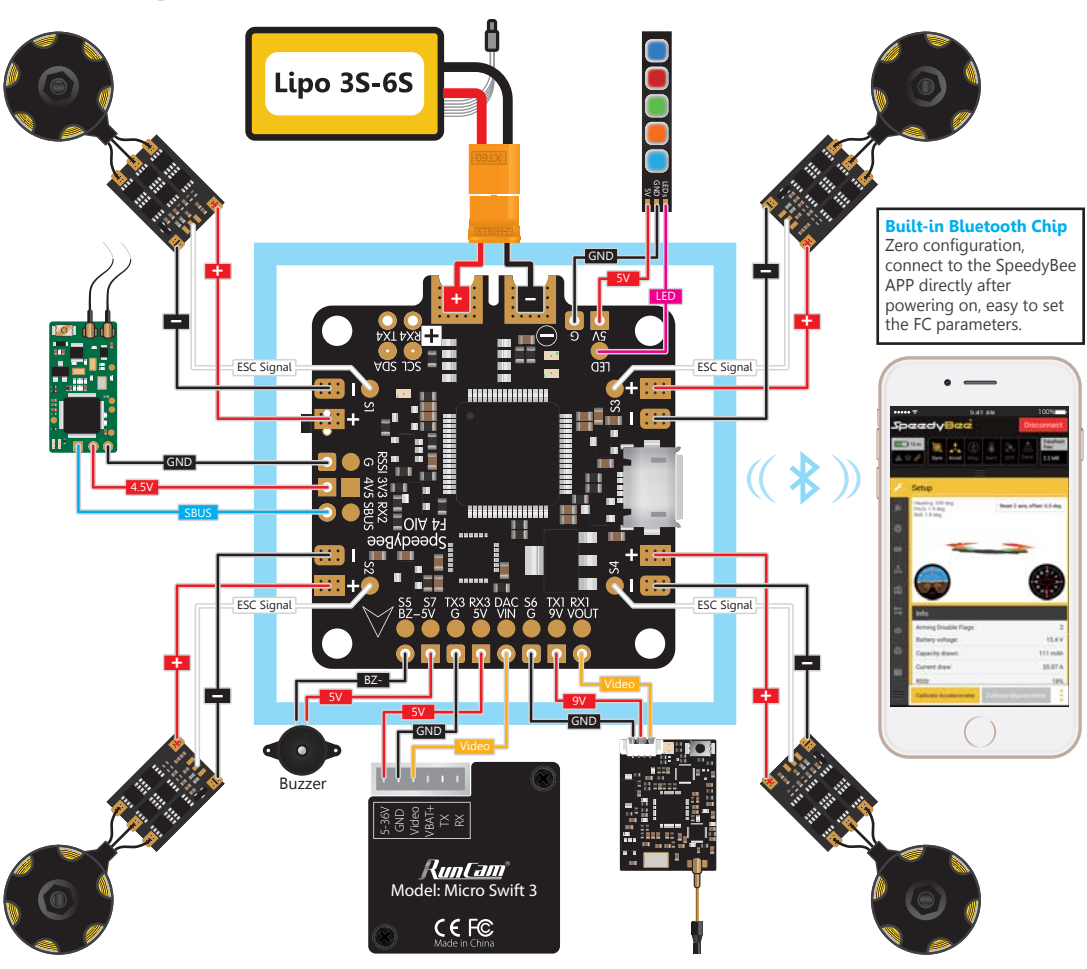
- LED: Used for WS2812 LED
- 5V: 5V output for other devices
- G: Ground
- SCL/SDA: I2C used for external Compass, Barometer module
- TX4/RX4: UART4



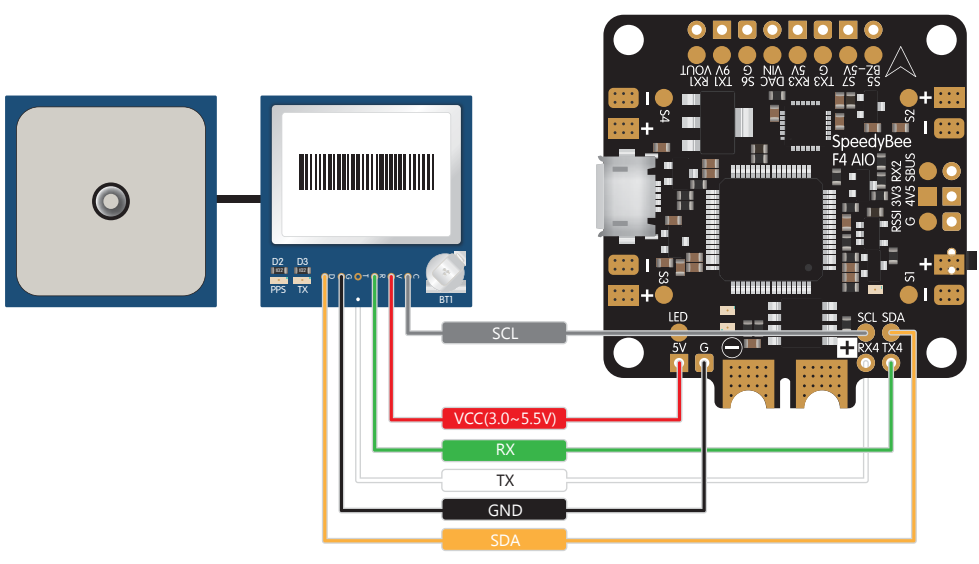
LED Indicators

- LED1--Blue: Flight controller Indicator
- LED2--Red: Power Indicator
- LED3--Green: Bluetooth Indicator
  Constantly on: Bluetooth connected/Off: Not connected

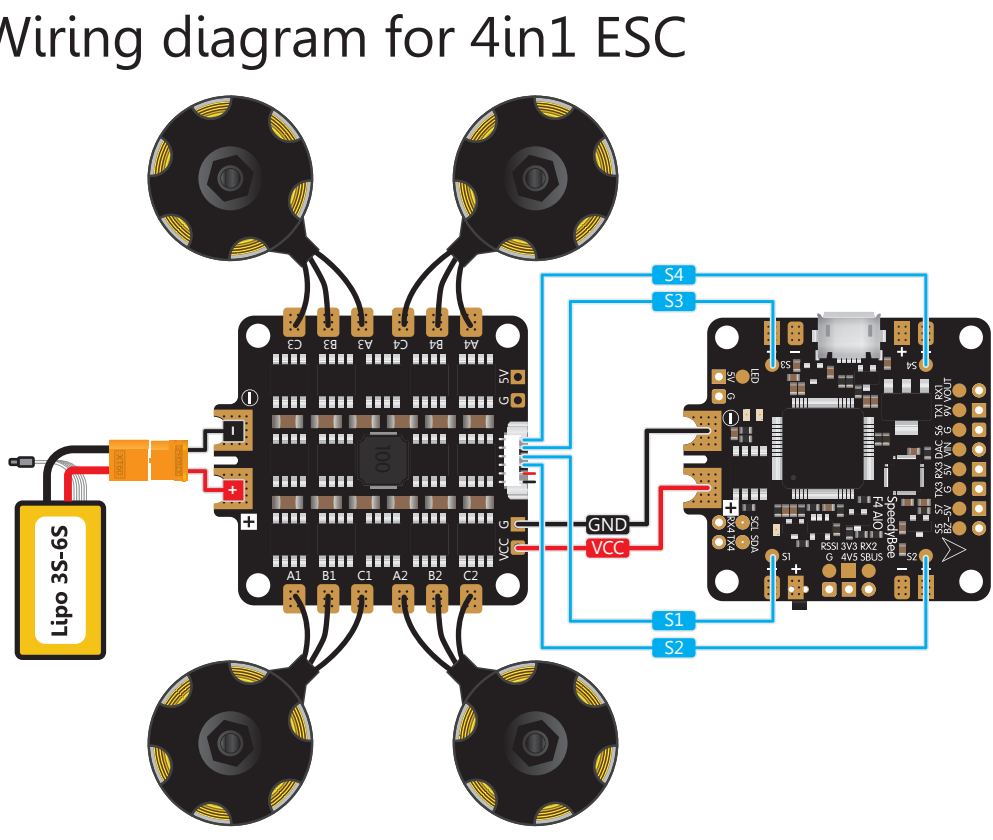
Wiring Guide



Wiring diagram for GPS module



Wiring diagram for 4in1 ESC



Main features

- STM32F405
- MPU6000
- BetaFlight OSD
- BLE Module: inner connect to UART5 for remote setting with SpeedyBee App or other similar apps
- Current Sensor: 200A
- Power input: 3s - 6s Lipo
- Dshot Compatible
- BlackBox: 2M onboard dataflash
- RSSI input solder pad
- I2C: Used for external Compass, Barometer module

SpeedyBee®
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