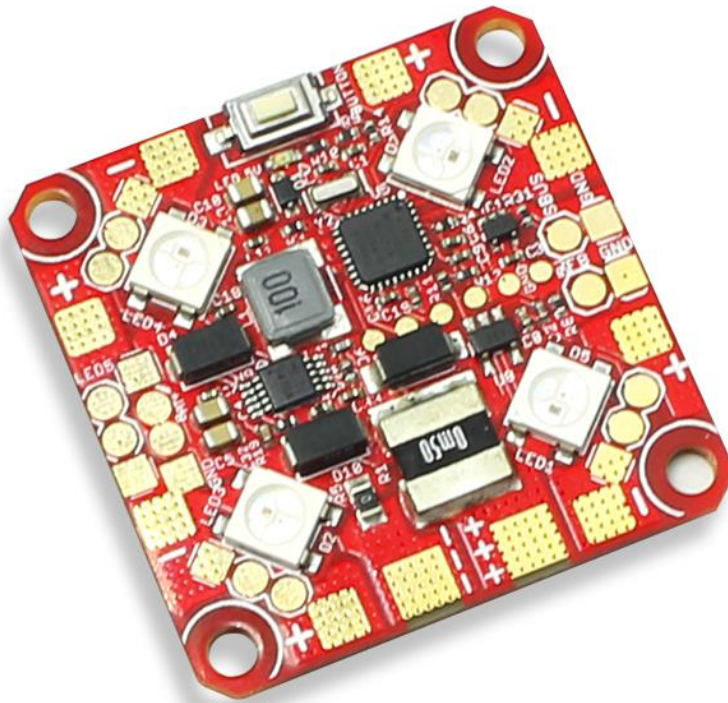




LIGHTNING PDB

USER MANUAL VERSION 1.0



Please contact us if you need further assistance:

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Sales support: sales@furiousfpv.com

Website: <http://furiousfpv.com/>



Contents

Contents	1
Introduction.....	2
Features.....	2
Connections	4
Connect with FC,ESC and Motor	4
❖ Using Fortini F4 OSD	4
❖ Using Kiss FC.....	6
❖ Using Raceflight FC	7
Connect with ESC 4in1	8
❖ Using Hobbywing XRotor Micro 40A 4in1	8
Setup and control instructions.....	9
Setup current sensor	9
Control Lightning PDB by Button	10
Control Lightning PDB by Sbus (Invertion)	12

Introduction

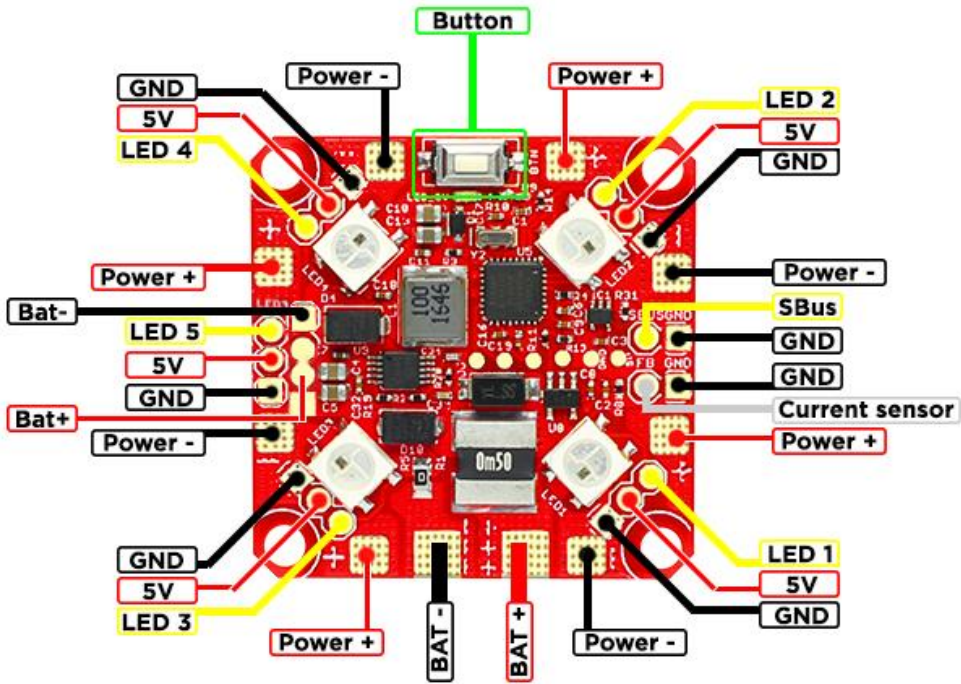
FPV racing industry has been skyrocketed lately, in order to support pilots and races, FuriousFPV develops a new Lightning PDB that allows pilots to attach more LED strips onto the quads and controls the colors as well as the effects easily via buttons on the board or via transmitter. Lightning PDB can be powered up to 200A, no more obstacles using high-powered motors in the race.

Features

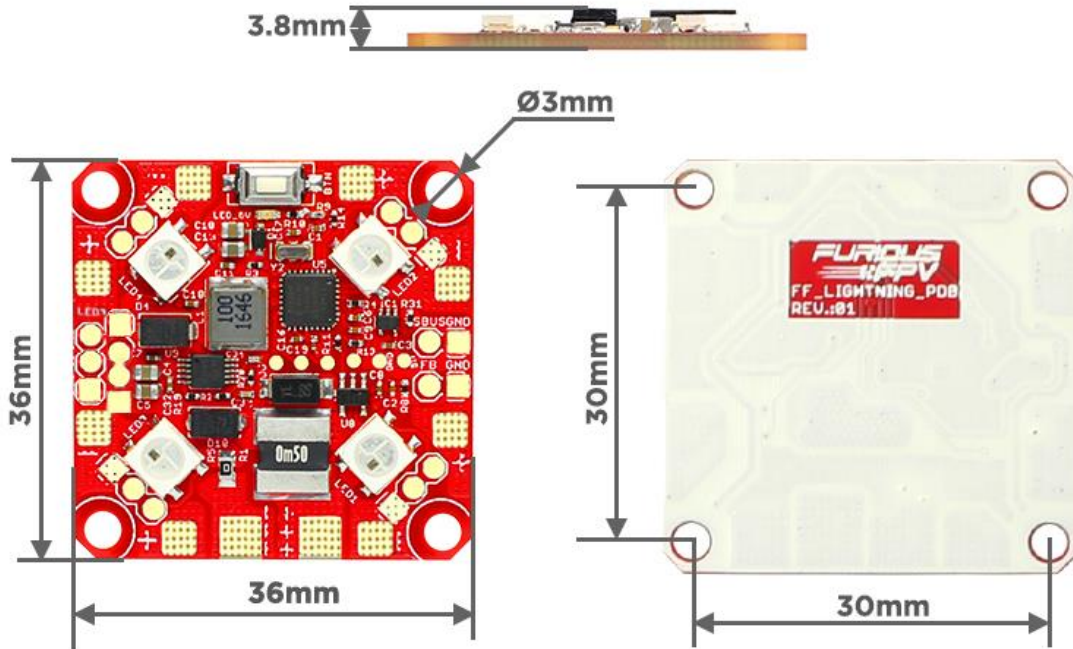
- Input voltage range: 2-6S LiPo
- BEC 5V Output: 5V@1.5A
- Built-in current sensor
- Load current 200Amps
- Max 30 LEDs/line x 5 lines = Max 150 LEDs
- LED Strips configuration using button and Sbus
- Configure Sbus channel 8
- Weight: 6.6g



Pinout



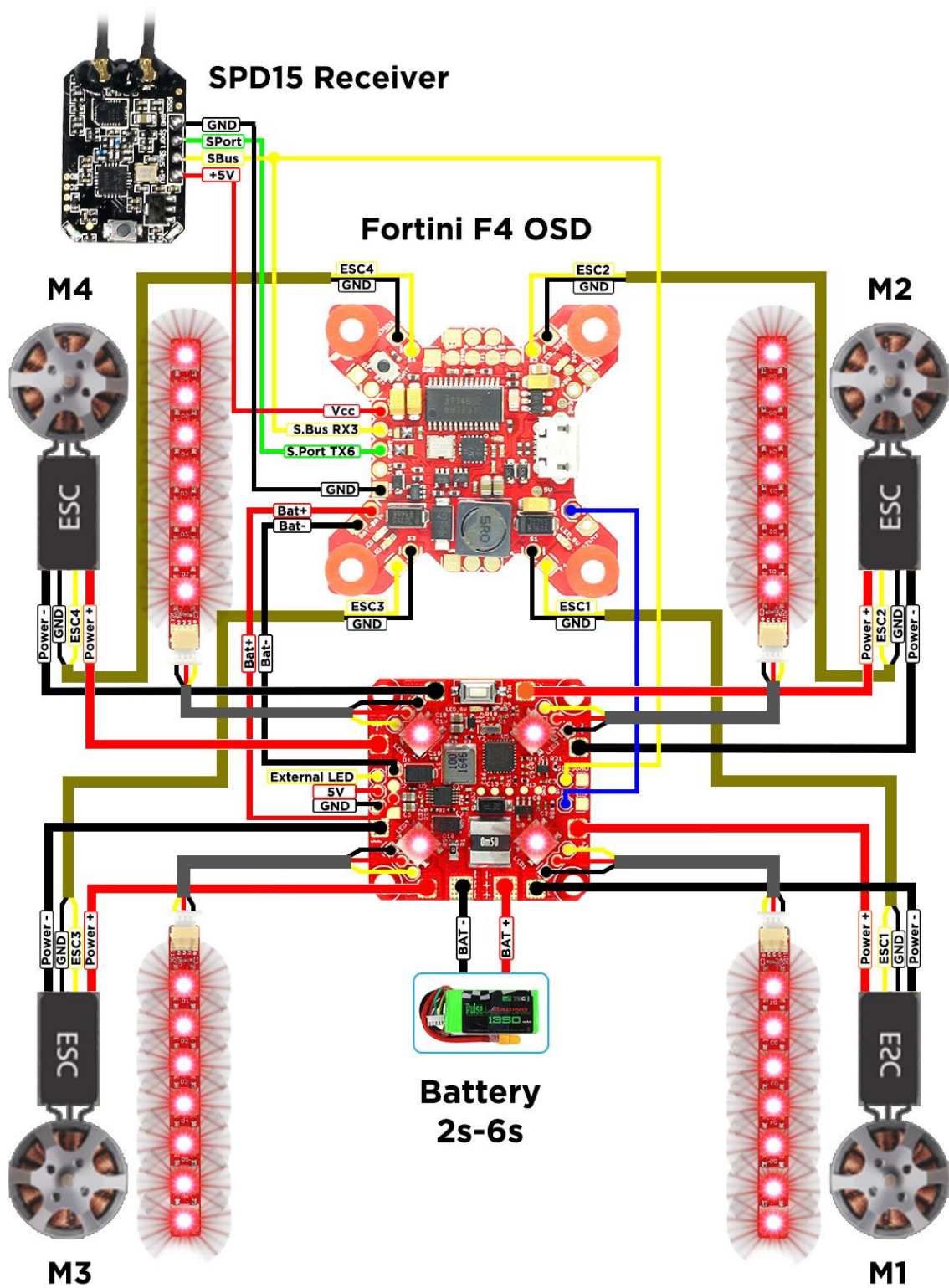
Dimensions

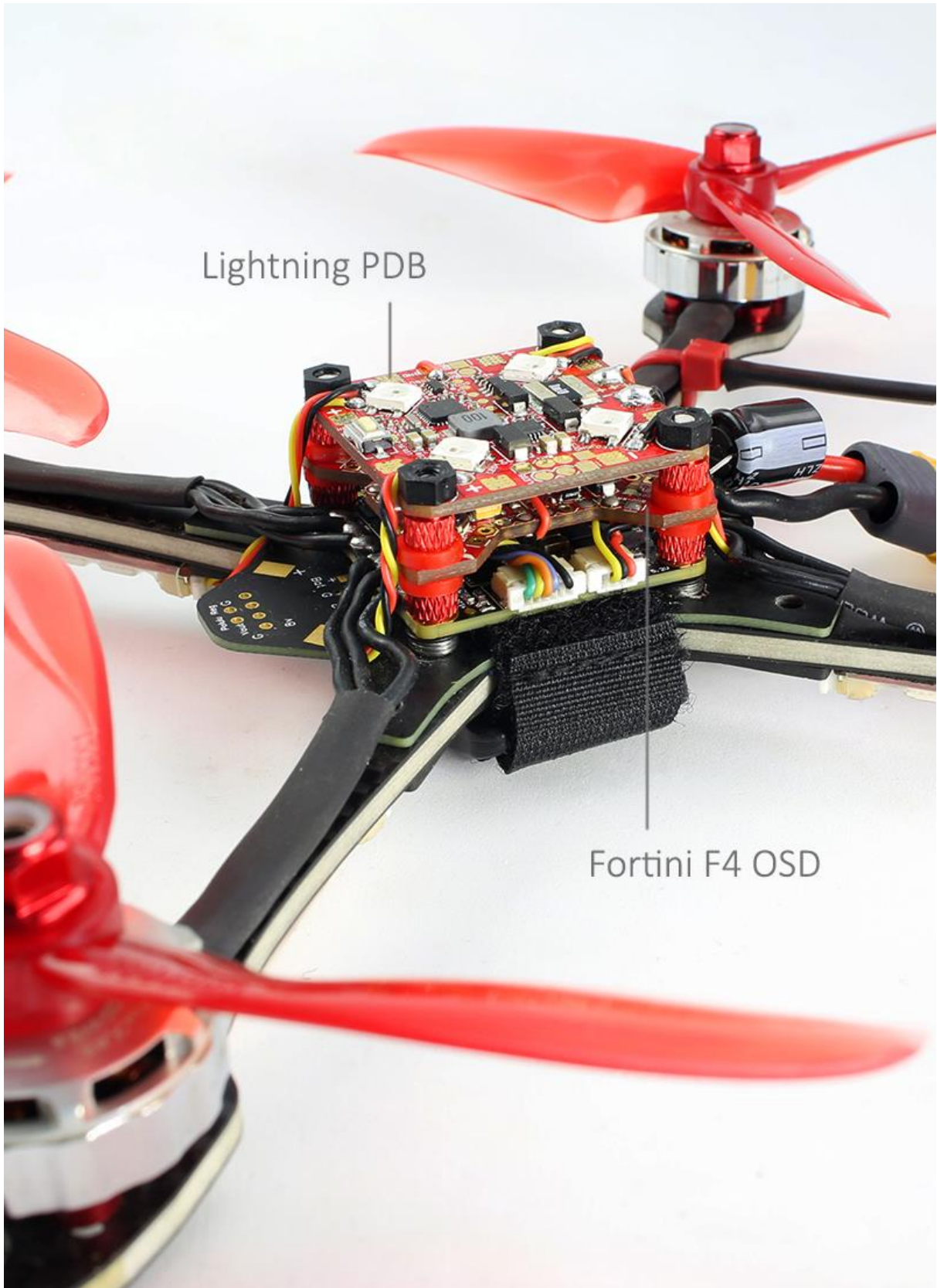


Connections

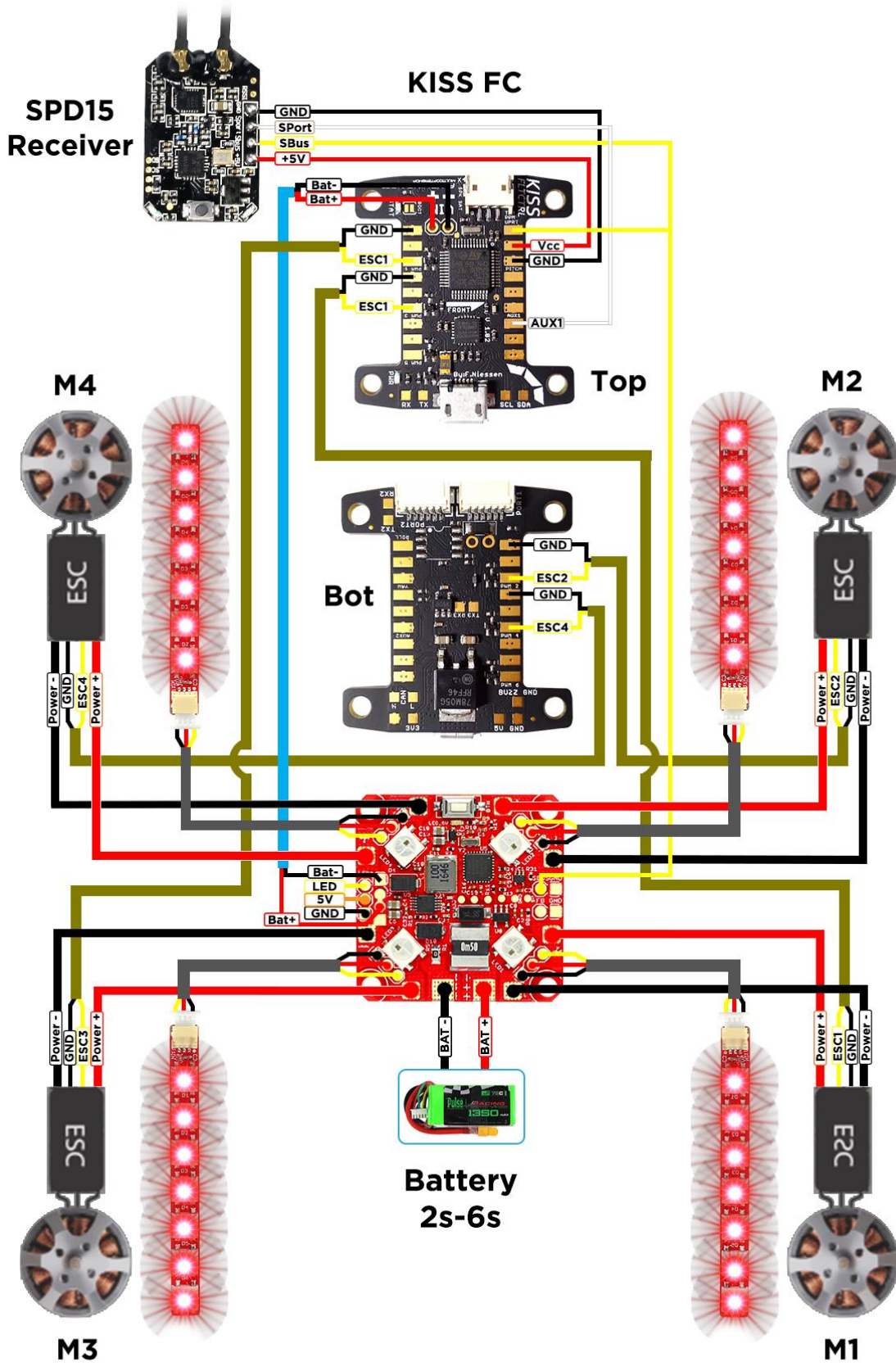
Connect with FC,ESC and Motor:

❖ Using Fortini F4 OSD:

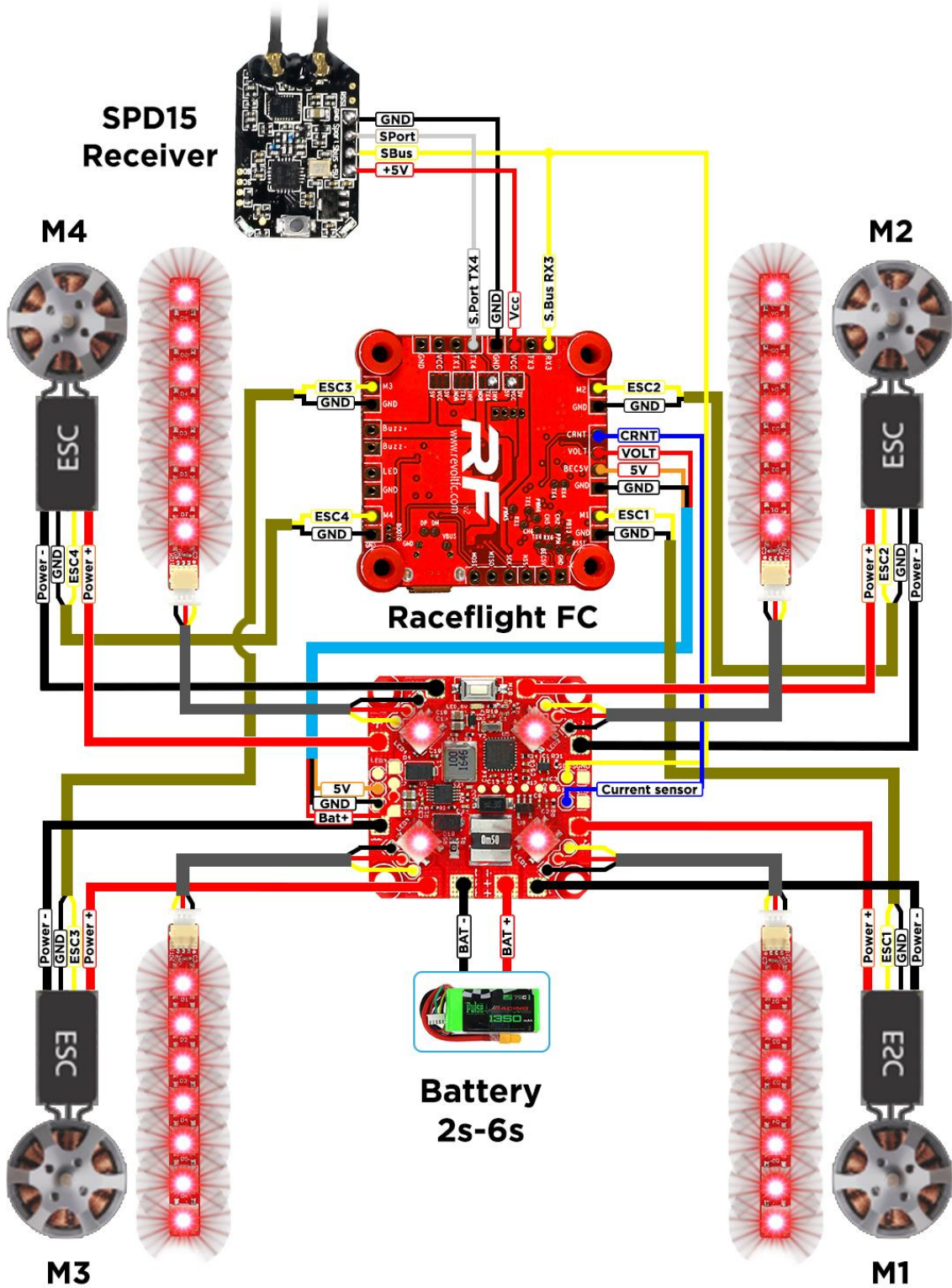




❖ Using Kiss FC:

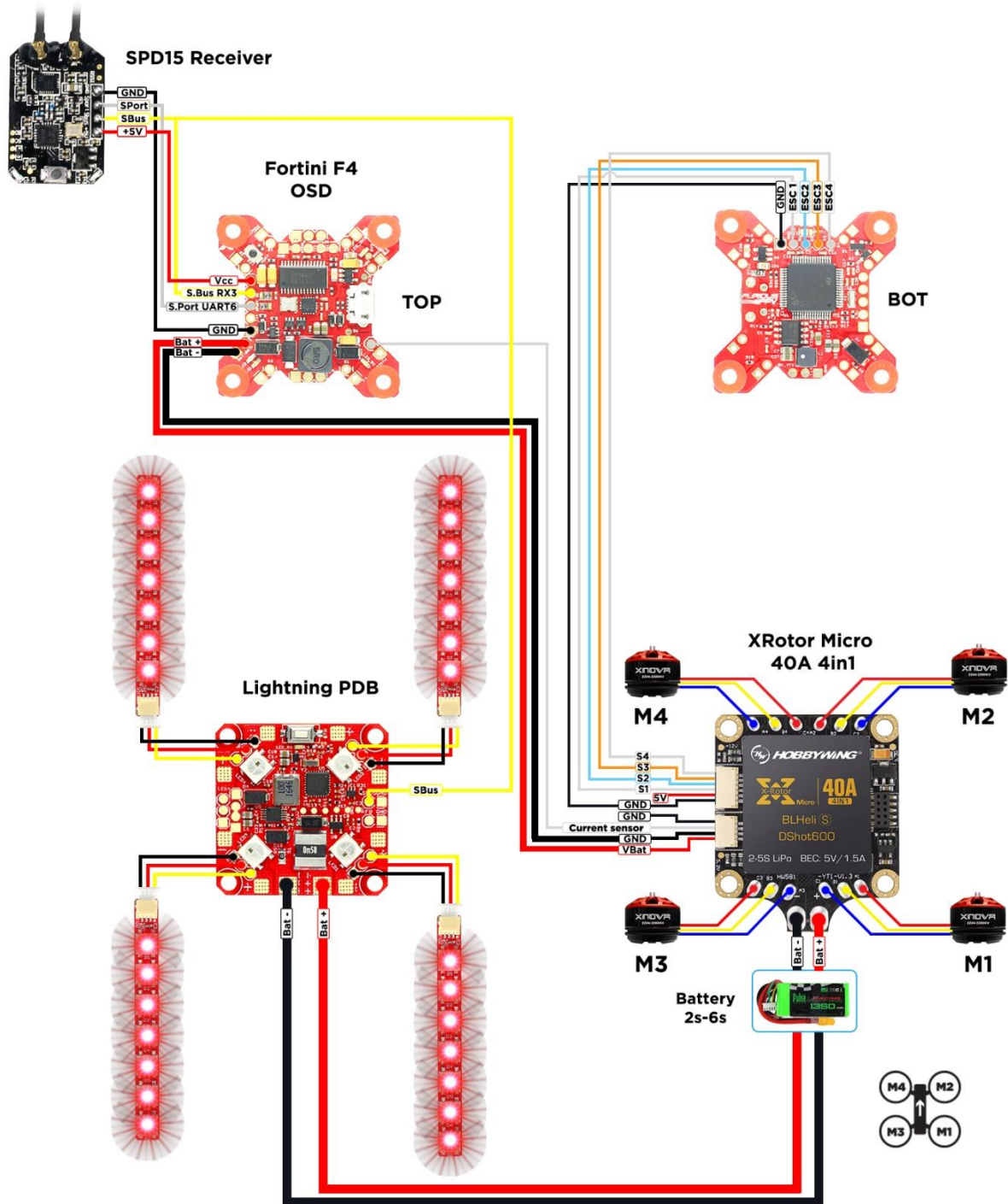


❖ Using Raceflight FC:



Connect with ESC 4in1

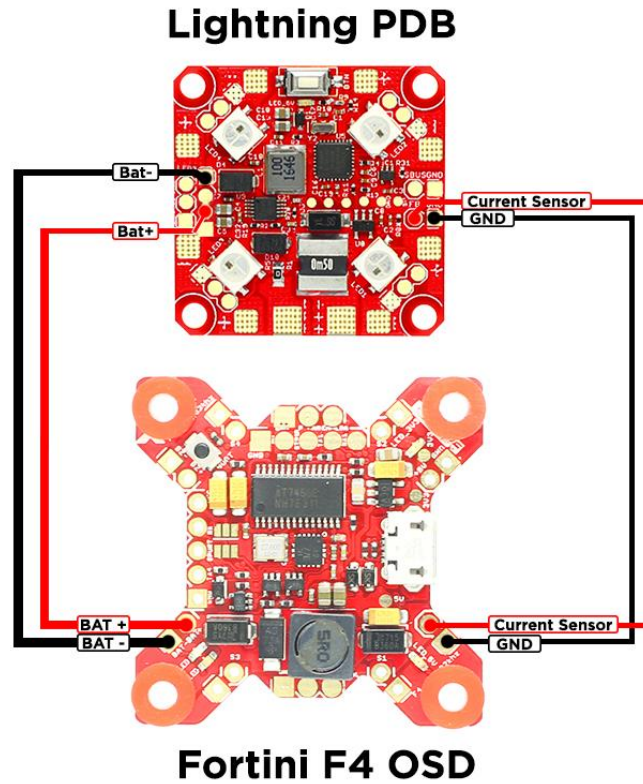
❖ Using Hobbywing XRotor Micro 40A 4in1



Setup and control instructions

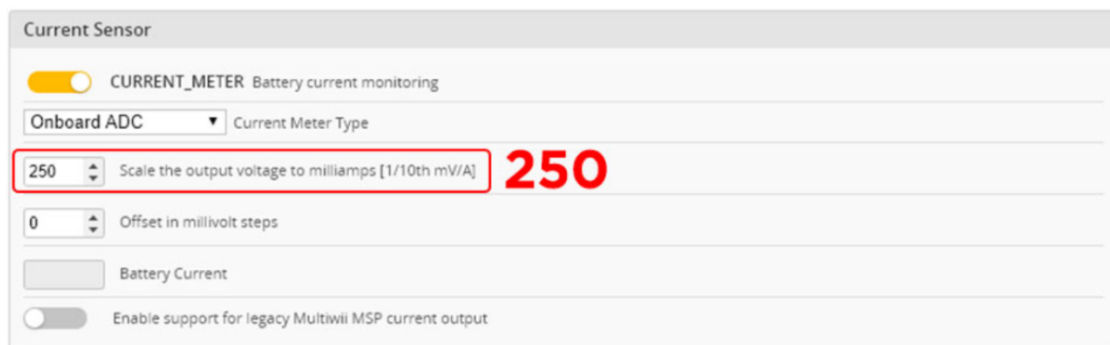
Setup current sensor

STEP1: Connect Fortini F4 OSD with Lightning PDB



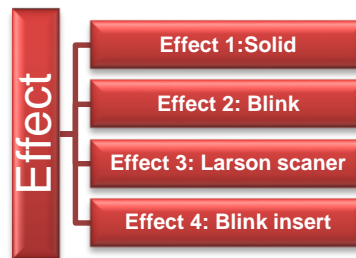
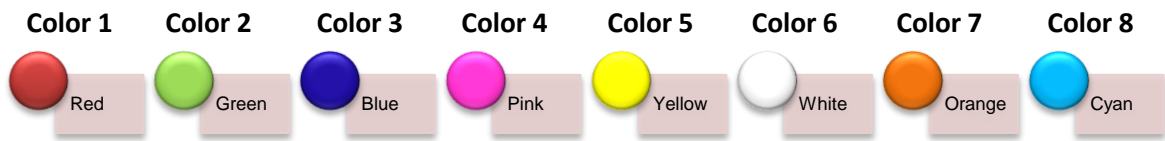
STEP2: Connect Fortini F4 OSD with the computer via **USB** cable and then **Open** BetaFlight

STEP3: Go to Configuration tab and set **Scale the output voltage to milliamps** is **250** then hit **SAVE AND REBOOT**

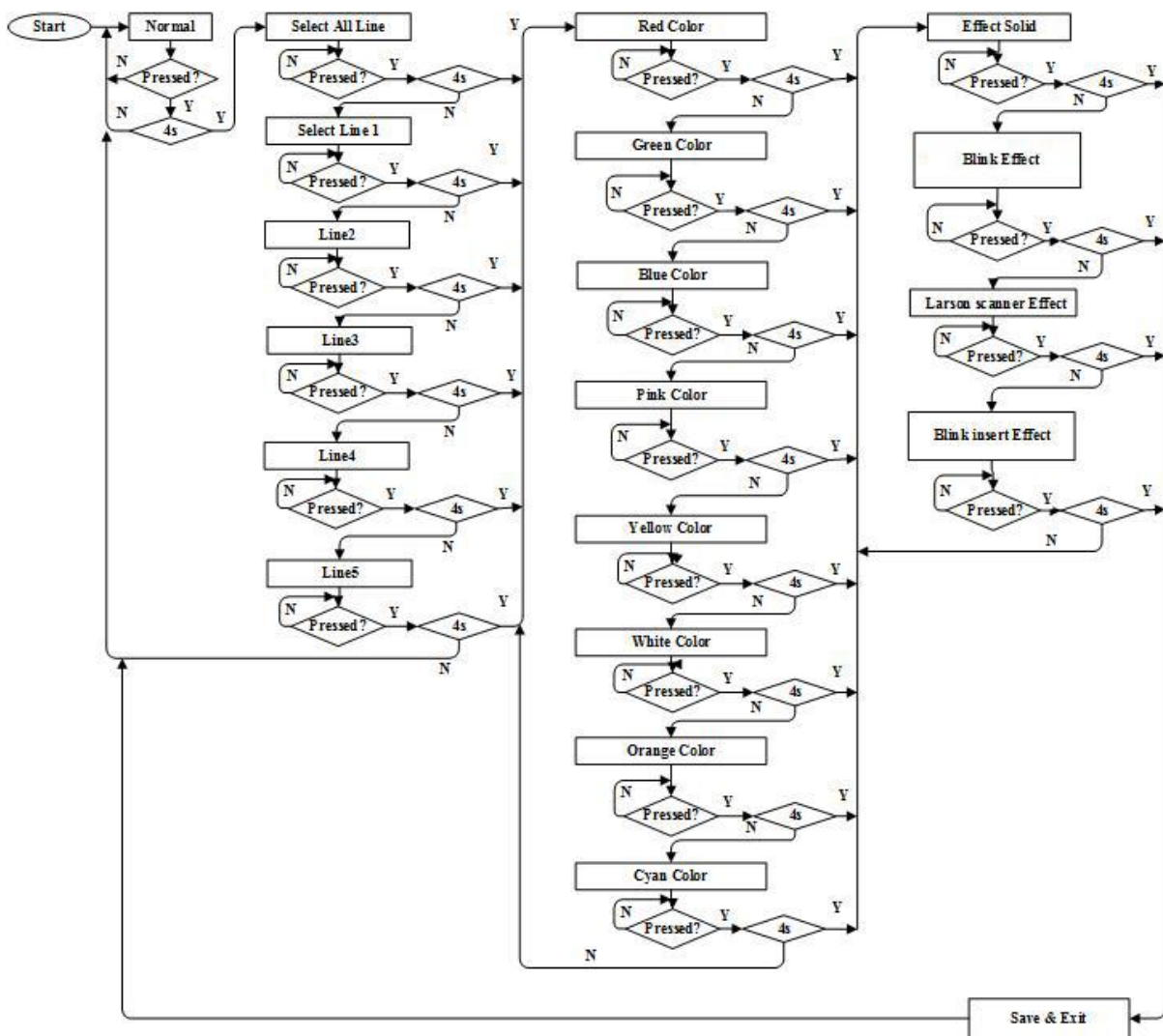


Control Lightning PDB by Button

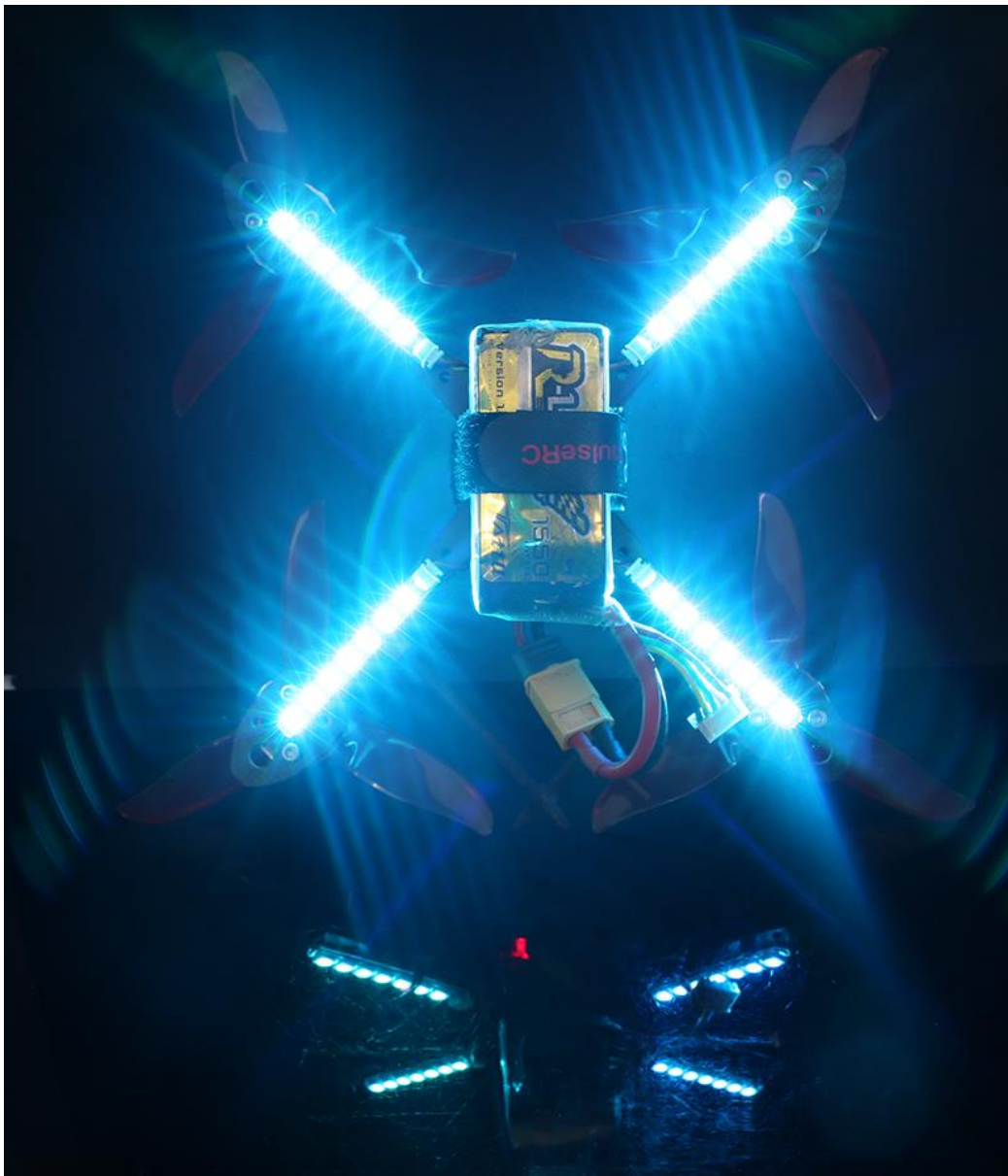
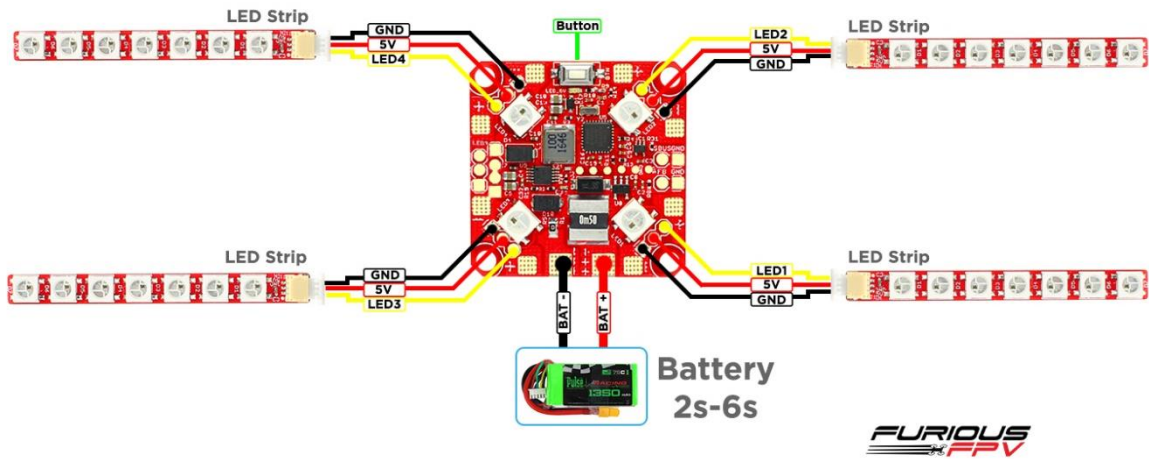
There are 8 colors of LEDs and 4 effect:



Flowchart on how to use button settings Lightning PDB:

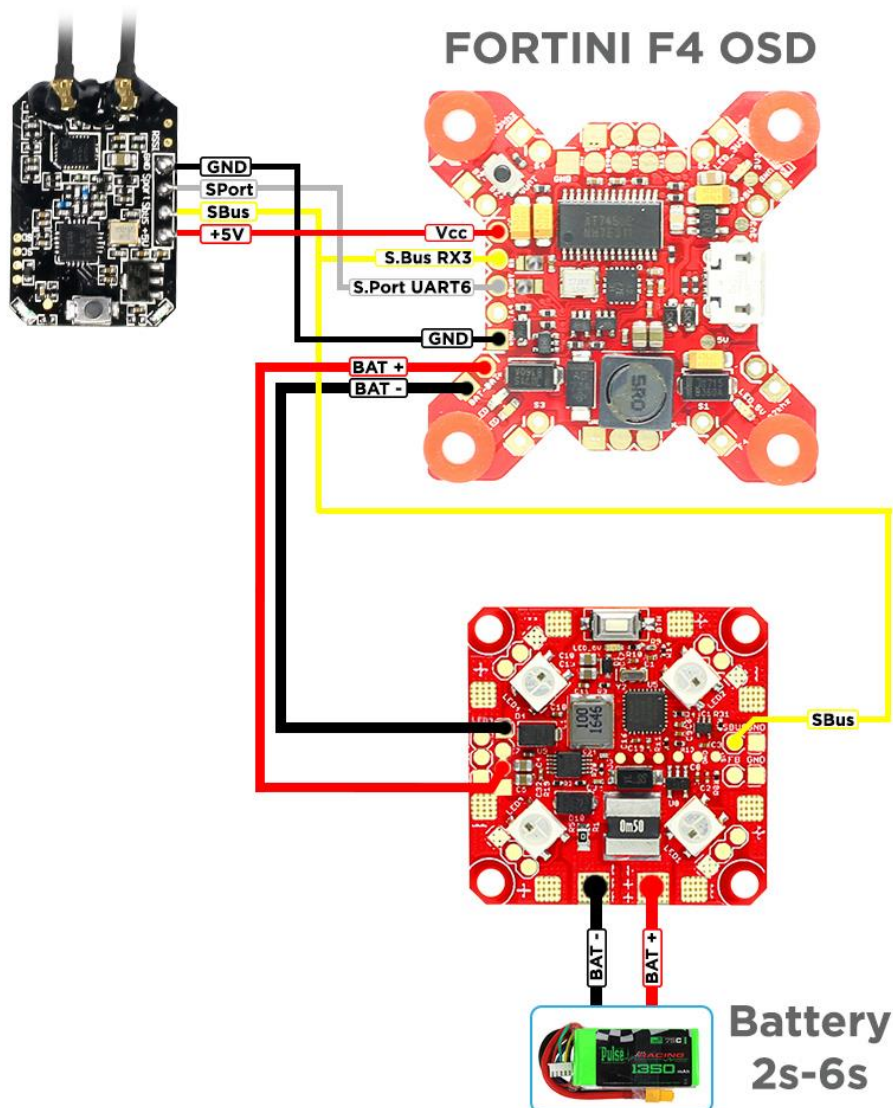


Connection diagram:

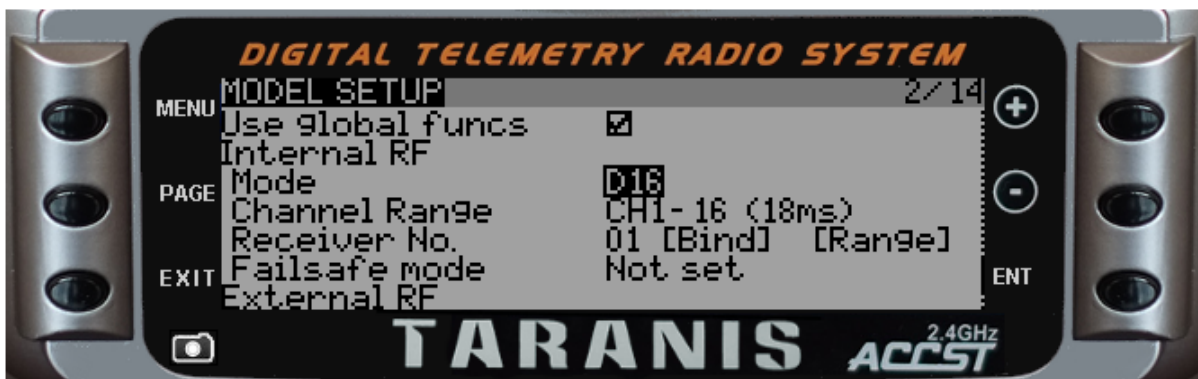


Control Lightning PDB by Sbus (Inversion)

STEP 1: Connect Lightning PDB with Fortini F4 OSD and SPD15 Receiver

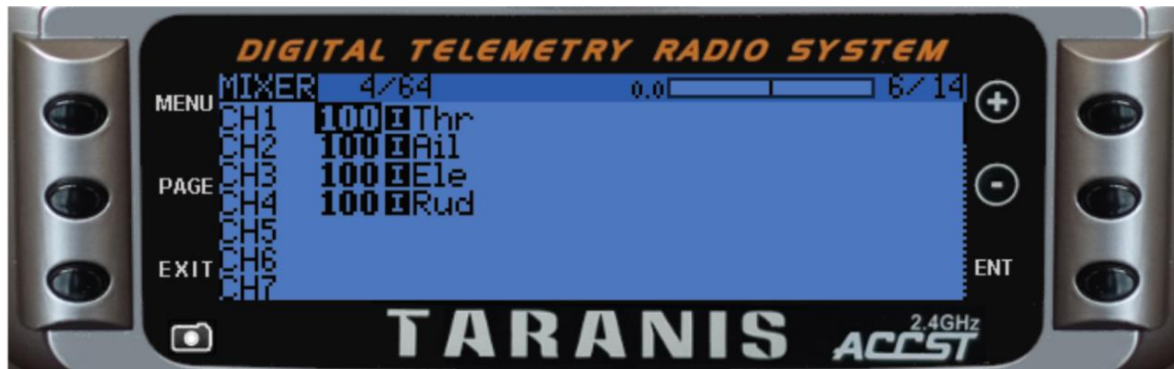


Please select Mode **D16** to use **Channel 8** to control **LED color** and **Channel 16** for **RSSI**

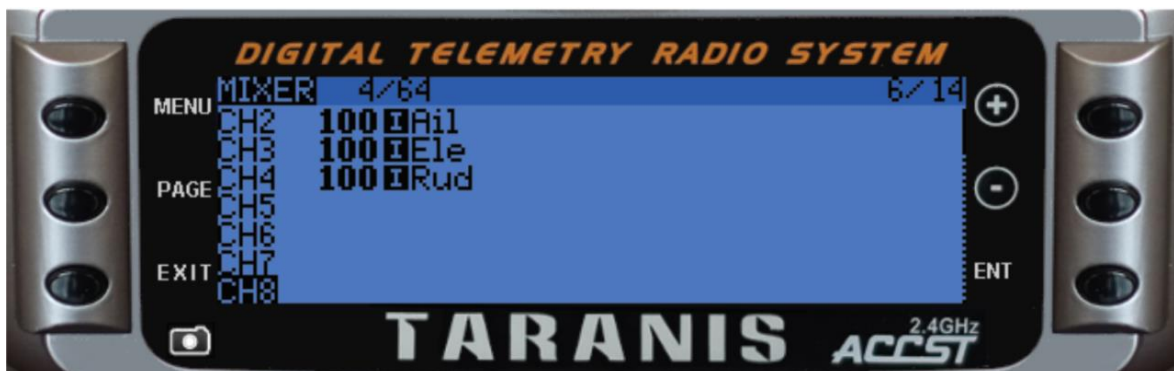


STEP 2: Define Value Volume **S2** use source **S2** for channel 8 (**AUX 4**):

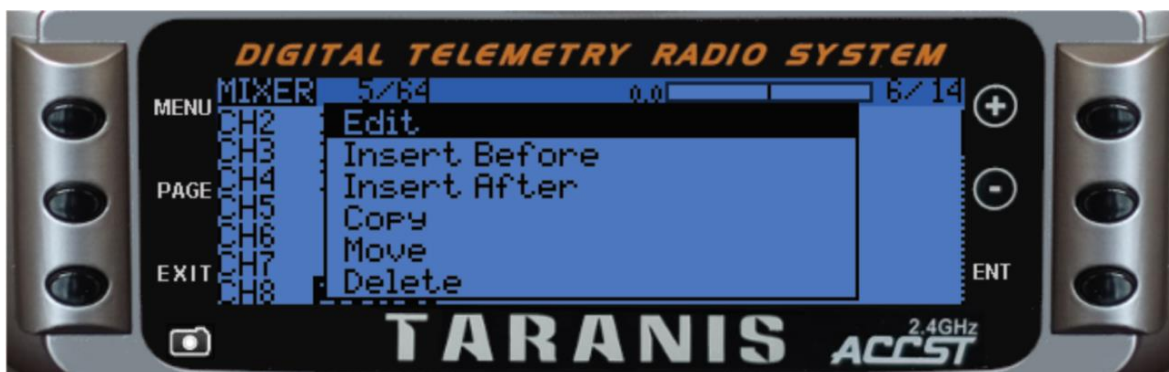
- Press **Menu** button and press **Page** button to go to **Mixer 6/12** page



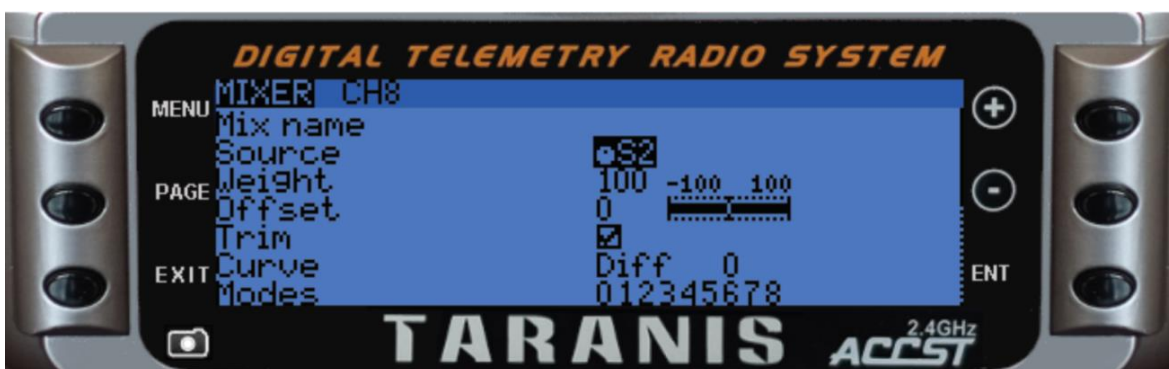
- Press (-) to move cursor to **CH8**



- Press and hold **ENT** and select **EDIT**



- Move cursor to **Source** and select source is **S2**



Then press **Exit** to come back to the Home Screen.

STEP 3: After soldering **SBus** to PDB, you can use **Volume Resistor (S2)** on Taranis to control LED color.



Thanks for using our product