

B2BL Module User Instructions **(Brushed to Brushless Signal Converter)**

The B2BL Module will modify the PWM signal going to a Brushed Motor and change it to a PPM signal for a Brushless Motor ESC.

It takes the 0 to 64uS PWM signal and translates it to 1000 to 2000uS PPM signal.

This was designed for the Volantex/Eachine Mini Gyro Airplanes that use the V761 protocol.

The Eachine Gyro PCB needs a 3K resistor across the +Motor and -Motor pads on the PCB. This resistor is already on the B2BL PCB and has 2 Blue wires to connect to the Eachine Gyro Motor pads.

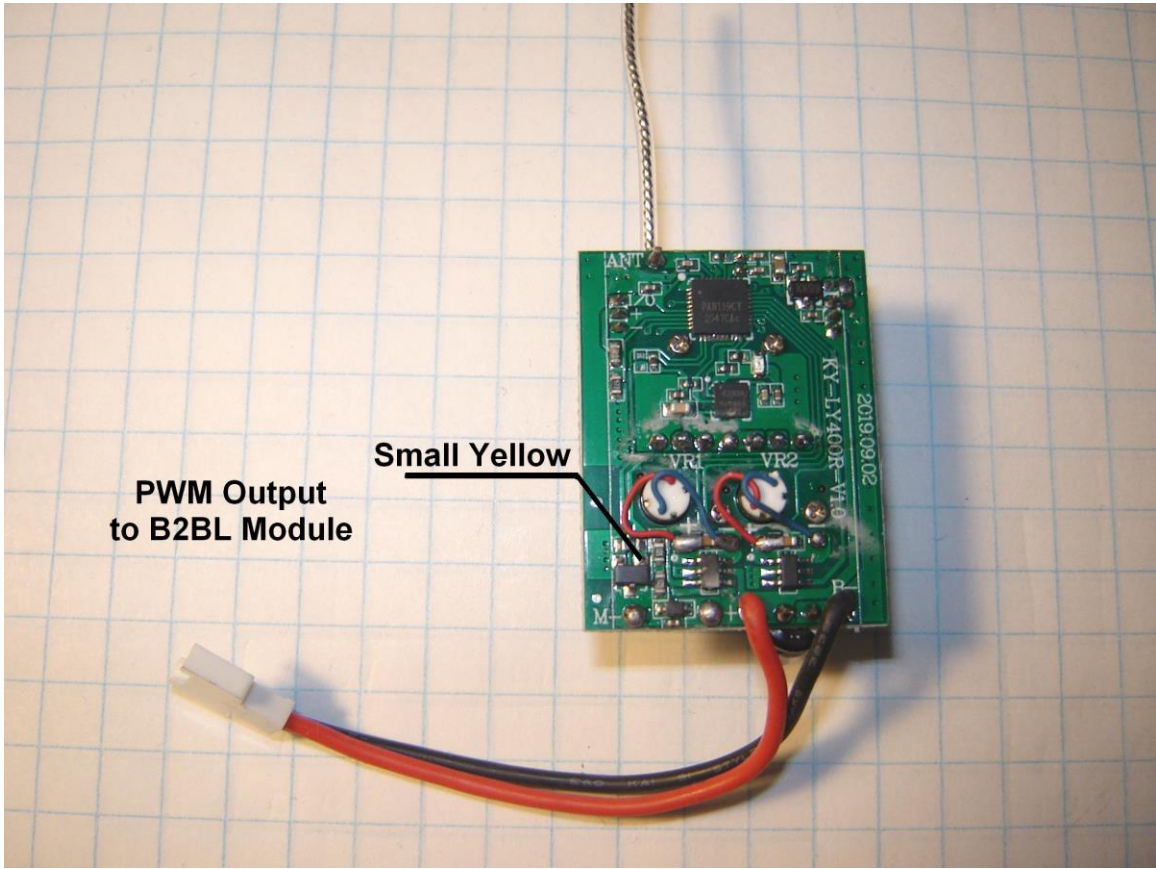
When using a 1S battery the Battery connector on the Eachine Gyro PCB is used.

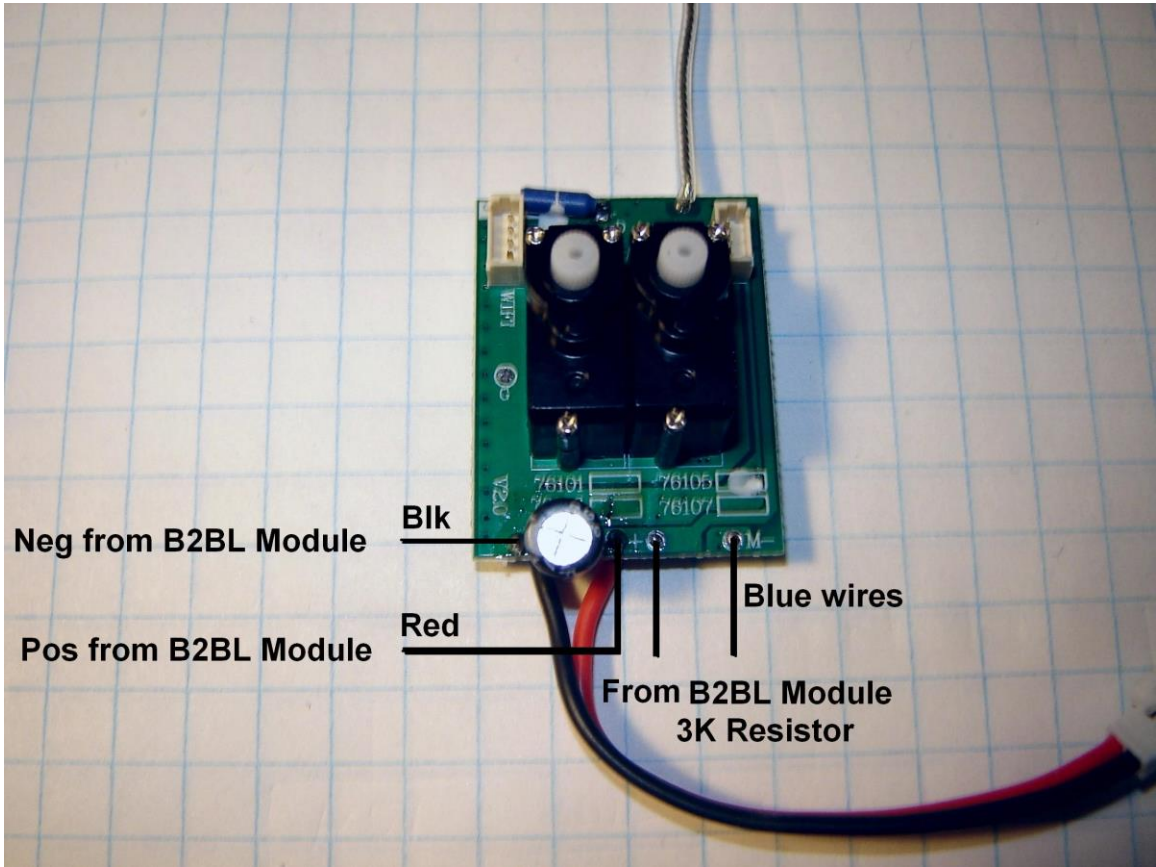
When using a 2S battery the ESC is supplied by the 2S battery and the ESC BEC supplies 5V through a rectifier Diode to drop the voltage to the Eachine Gyro PCB to 4.4 Volts. Supplying 5Volts to the Eachine Gyro PCB will damage it. A Voltage Dropping Diode is already on the B2BL PCB and the ESC BEC connects to it by the Large Yellow wire of the B2BL Module PCB.

NOTE: The Eachine Gyro PCB's 1S battery connector Is NOT used in 2S Battery Mode.

B2BL Module PCB wire Color Identification: (See Drawings)

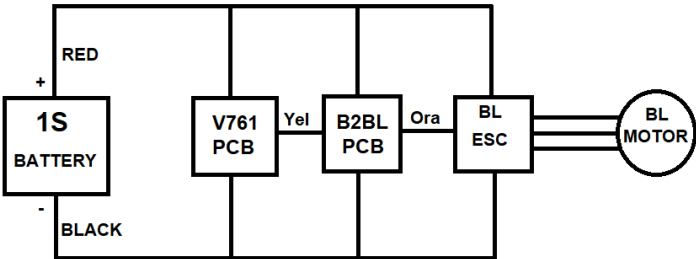
Red	- goes to the Eachine Gyro PCB + Battery pad
Blk	- goes to the Eachine Gyro PCB -Battery pad
Yel Small	- goes to the Eachine Gyro PCB FET Gate
Yel Large	- goes to the ESC BEC +5V Output wire
Ora	- goes to the ESC PPM Input signal wire
Blue/Blue	- goes to the Eachine Gyro PCB (+) & (-) Motor pads





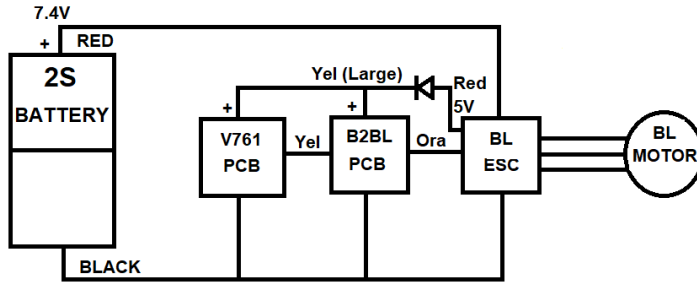
1S B2BL Module Hookup

By J.BAUER Electronics



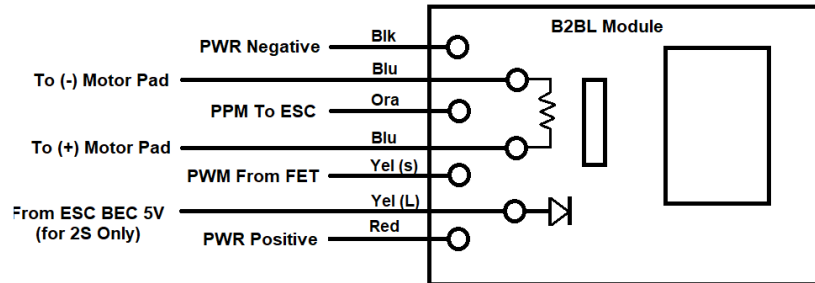
2S B2BL Module Hookup

By J.BAUER Electronics



B2BL Hookup

By J.BAUER Electronics



J.Bauer Electronics
1805 Route 340
St. Telesphore, Quebec
J0P 1Y0
Canada