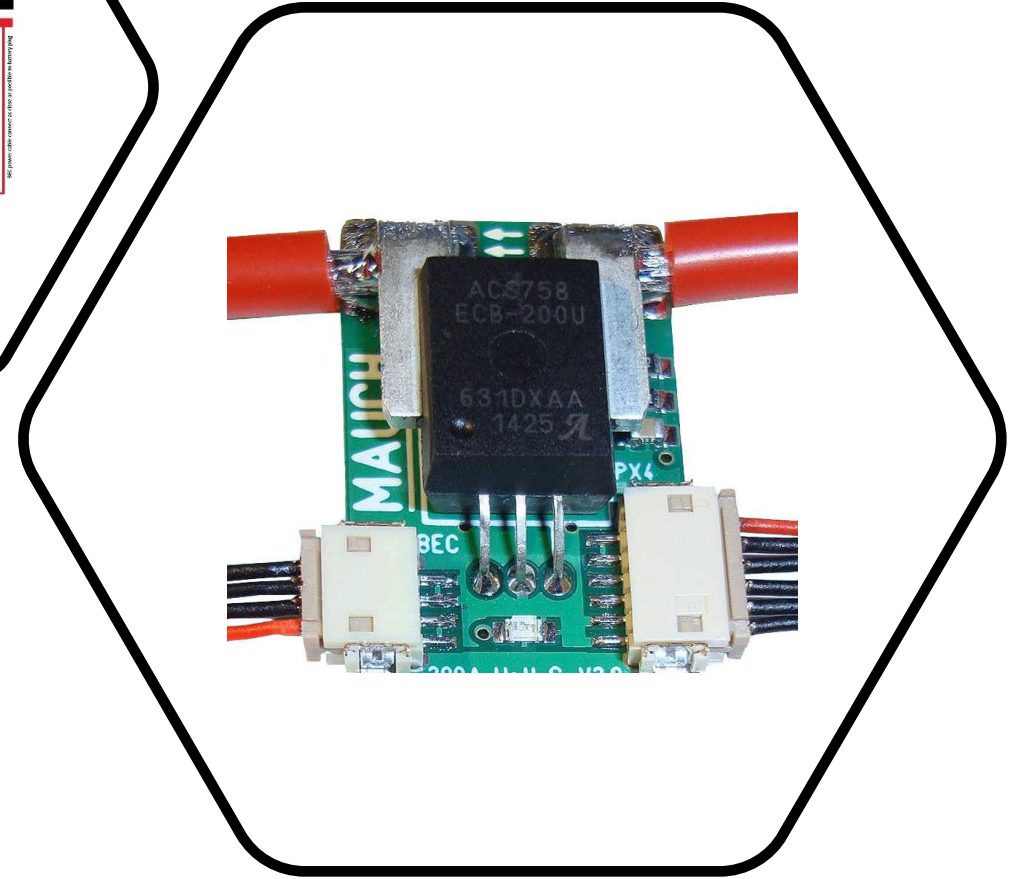
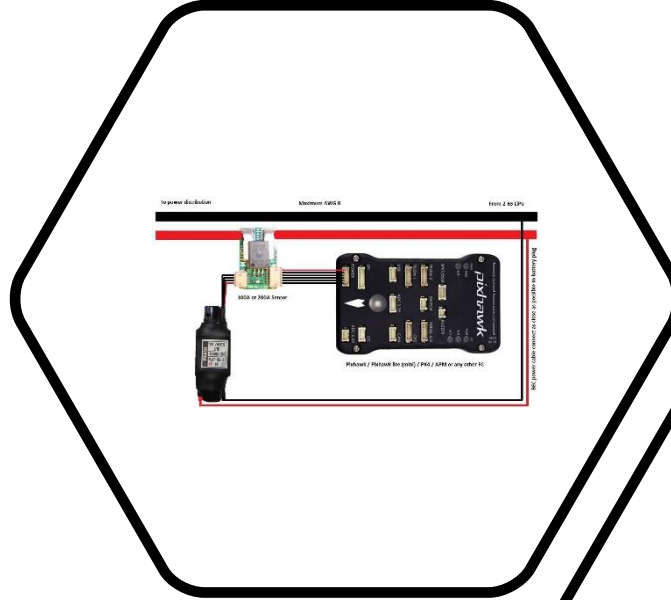


PDB

MAUCH Power Monitor

- Provides necessary power to the Pixhawk and the rest of the system
- Monitors battery power and sends information to the pixhawk



BEC (Battery Elimination Circuit) (backup)

Mauch BEC

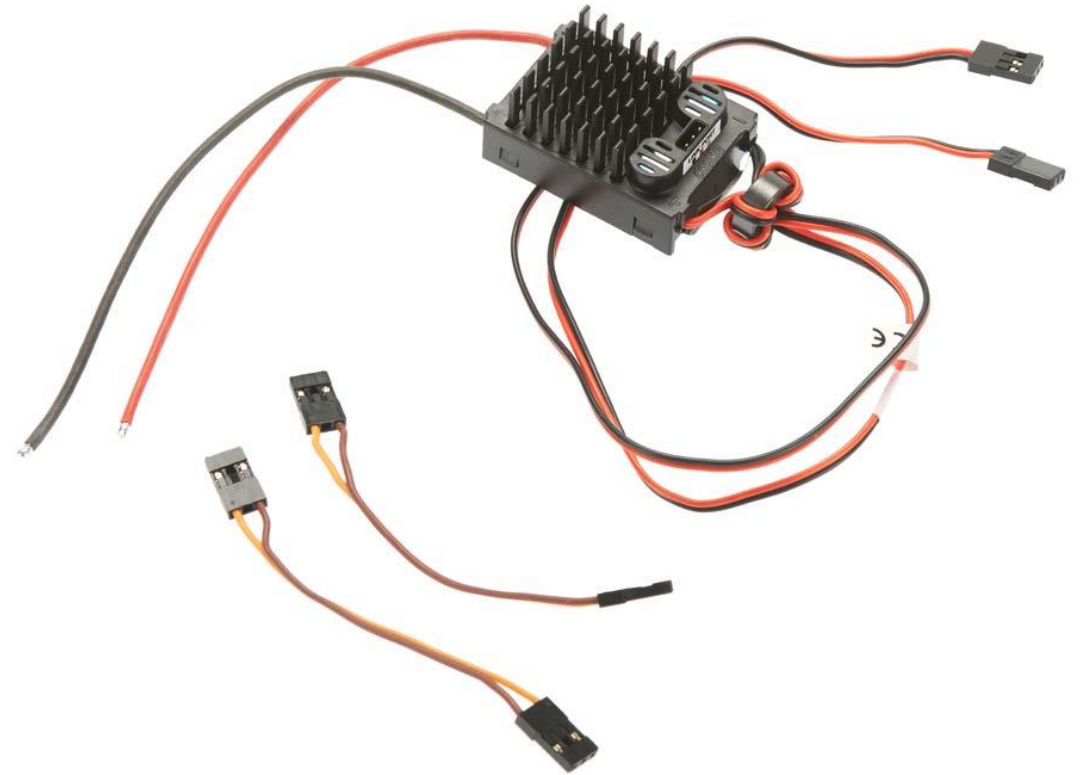
- Connected to the main 12 V line as close to battery as possible
- Drops voltage to 5 V and feeds into the PDB
- Used to drop voltage for pixhawk

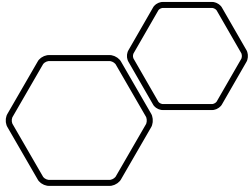


BEC (Battery Elimination Circuit) (Servo)

Castle Creations CCBEC pro

- Connected to the main 12 V
- Drops voltage to 5 V and feeds into the both the Aux and Main servo Rails on the pixhawk
- Used to drop voltage to 5V to power the servos





ESC (Electronic Speed Controller)

Phoenix Edge

- Used to control the motor
- Powered via the 12 V line
- Takes PWM input from the Pixhawk main 5 channel
- PWM input line has an inductor



Telemetry Radio Receiver

FrSky S8R 8/16ch Receiver

- Receives radio commands from the Taranus controller
- Sends commands to pixhawk via RCIN

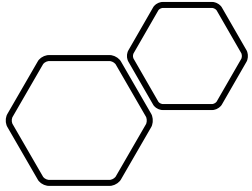


Transceiver Radio set

jD-RF900Plus Longrange

- Communicate between the pixhawk and the GroundStation
- The Fixed wing transceiver is plugged into the Telemetry 1 port
- The Ground station Transceiver is plugged into a computer via USB





GPS

- Provides GPS signal to pixhawk
- Cables go to I2C splitter & GPS port on the pixhawk



Airspeed Sensor

MS5525 airspeed sensor

- Senses airspeed
- Connected to I2C port on the Pixhawk



(1) [Cirius Pixhawk-i2c Splitter Expand Module for Pixhawk APM Flight Controller](#)

(2)