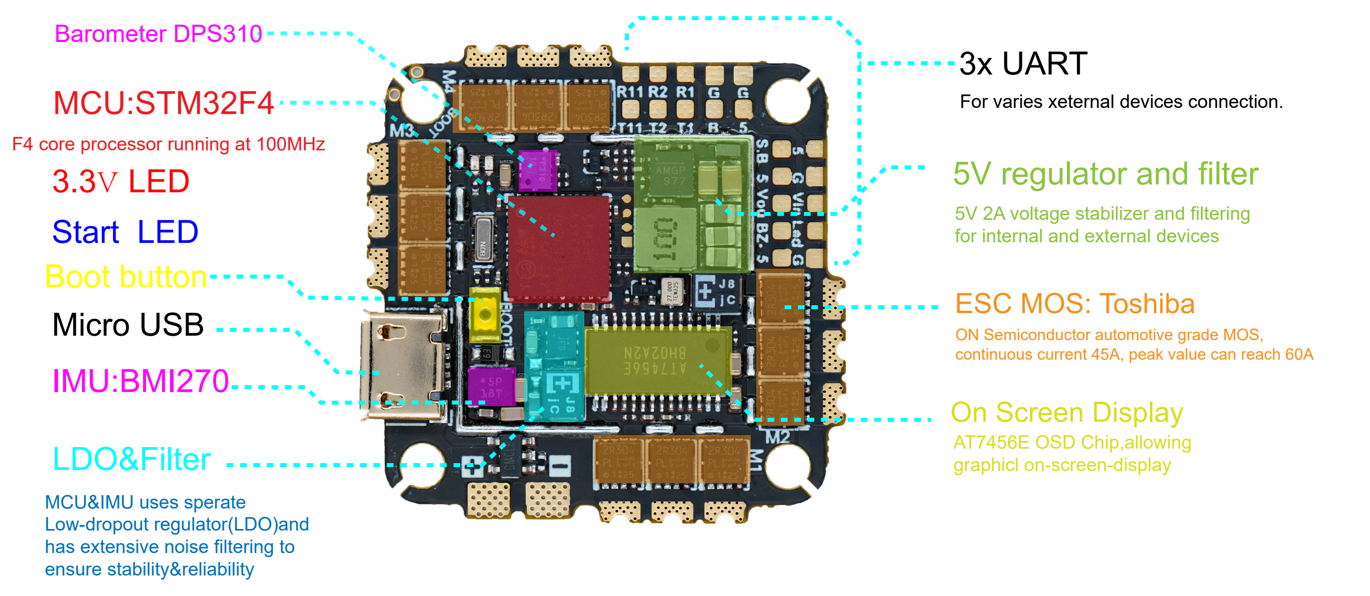
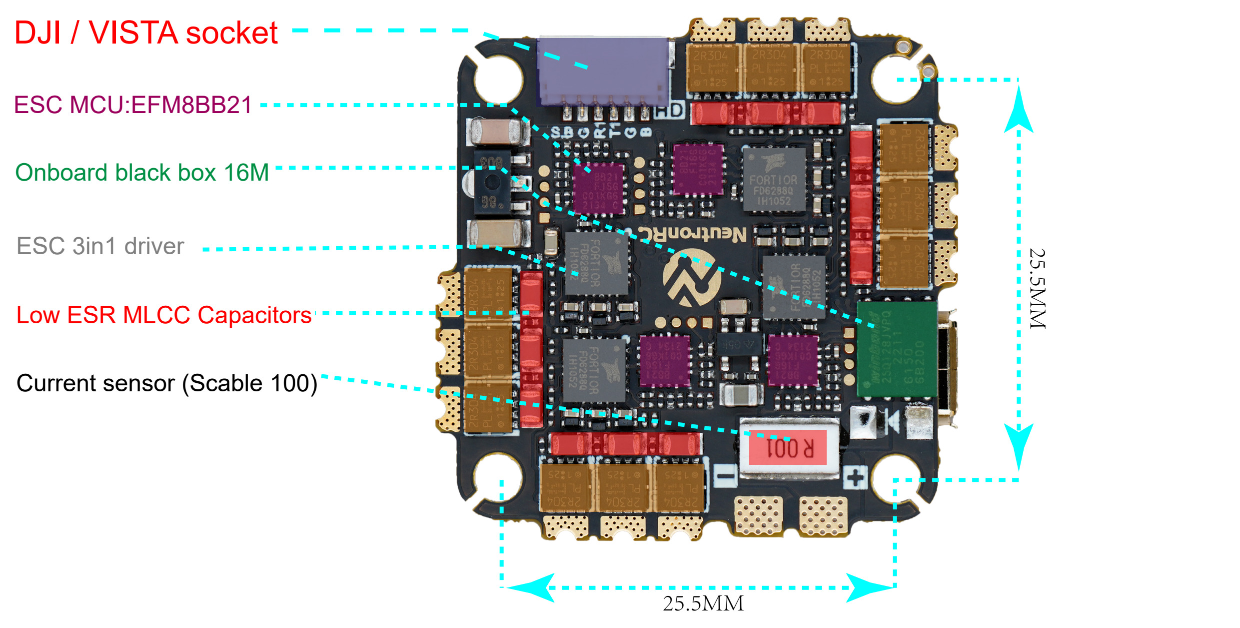
NeutronRC F411 AIO

Features





1. MCU:STM32F722RE,100MHz,512KB Flash
2. IMU: BMI270 (SPI1) CW=90
3. OSD:AT7456E (SPI2)
4. Blackbox: SPI Flash 16M
5. Baro: Infineon DPS310(I2C1)
6. 3xUarts(1,2,Softuart11)
7. BEC:5V 2.0A(Max 2.5A)
8 Support Betaflight(NeutronRCF411AIO)
9 Current sensor (Scale 100)&Voltage sensor (Scale 110)
10 2x LEDs for FC Status and 3.3V
11 ESCMCU:EFM8BB21 48MHz
12 FD6288 3in1 driver
13 SH1.0-6pin,DJI/Vista straight plug
14 Toshiba MOS(45A)&Other (35A), low internal resistance and high current
15 Current 45Ax4 ,Max 50A(5S)/35Ax4,Max 40A(5S)
16 ESC Firmware:BLHeli_S/Blujey(Type pwm 48K for BMI270)
17 8-layer 2OZ, 2-order blind via PCB.

Mechanical and Electrical Specs

- **Input Voltage:** 2-6S 5-36V
- **Mounting:** 25.5x25.5mm w/M3 Grommets
- **Size:** 34x34x7mm
- **Weight:** 8g

Default UART Configuration

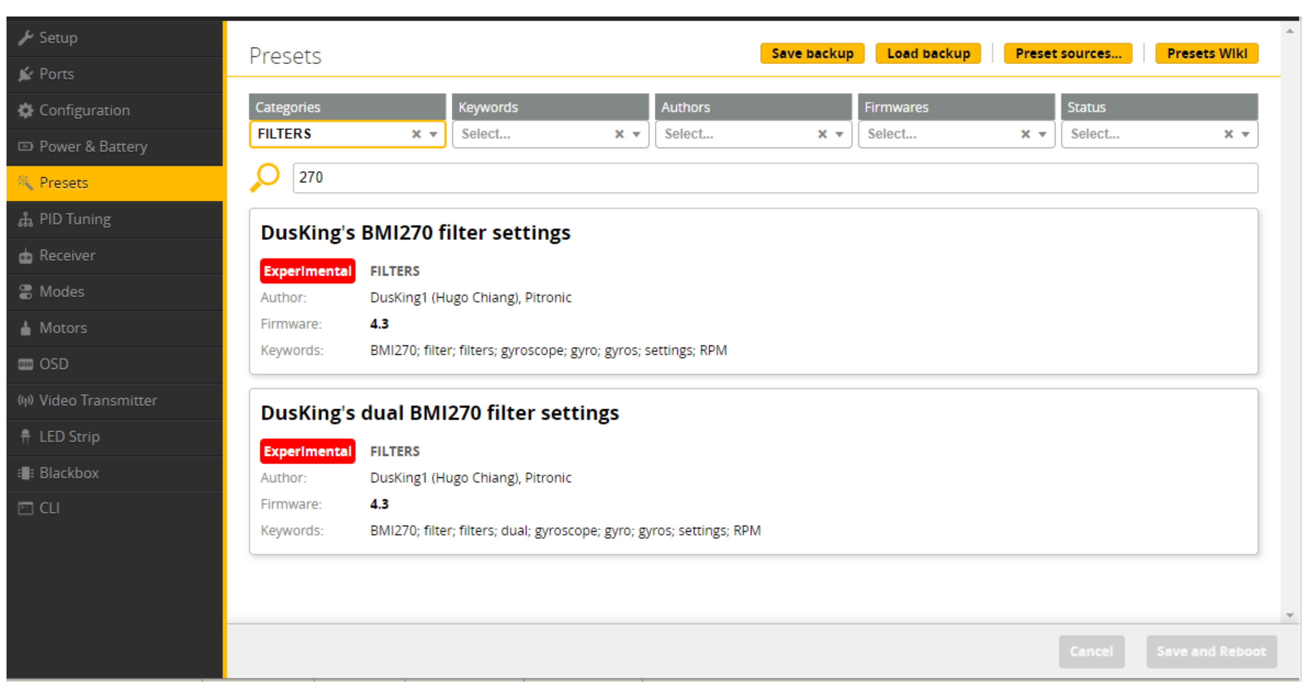
UART 1: DJI VTX(MSP on)
UART 2: Receiver/SBUS(Serial Rx On)
Softuart11: SPARE
I2C1: Bar(DPS310)

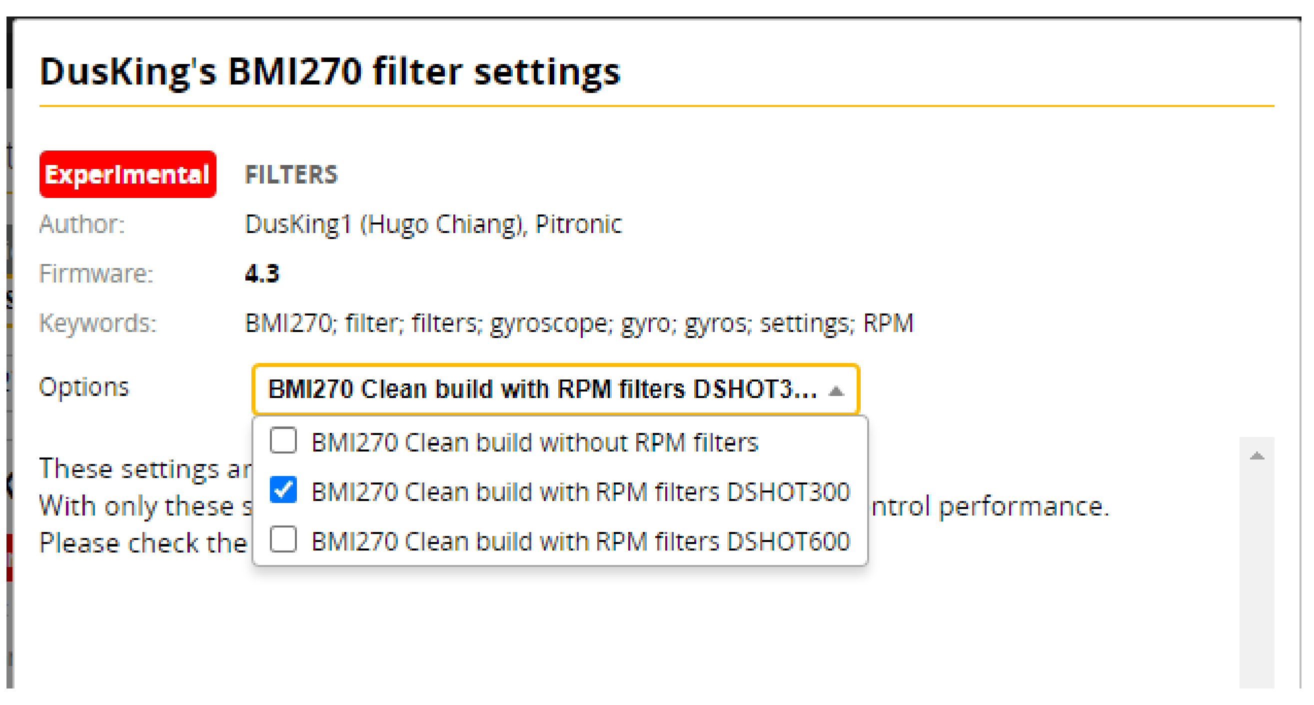
Ports WIKI

Note: not all combinations are valid. When the flight controller firmware detects this the serial port configuration will be reset.
Note: Do **NOT** disable MSP on the first serial port unless you know what you are doing. You may have to reflash and erase your configuration if you do.

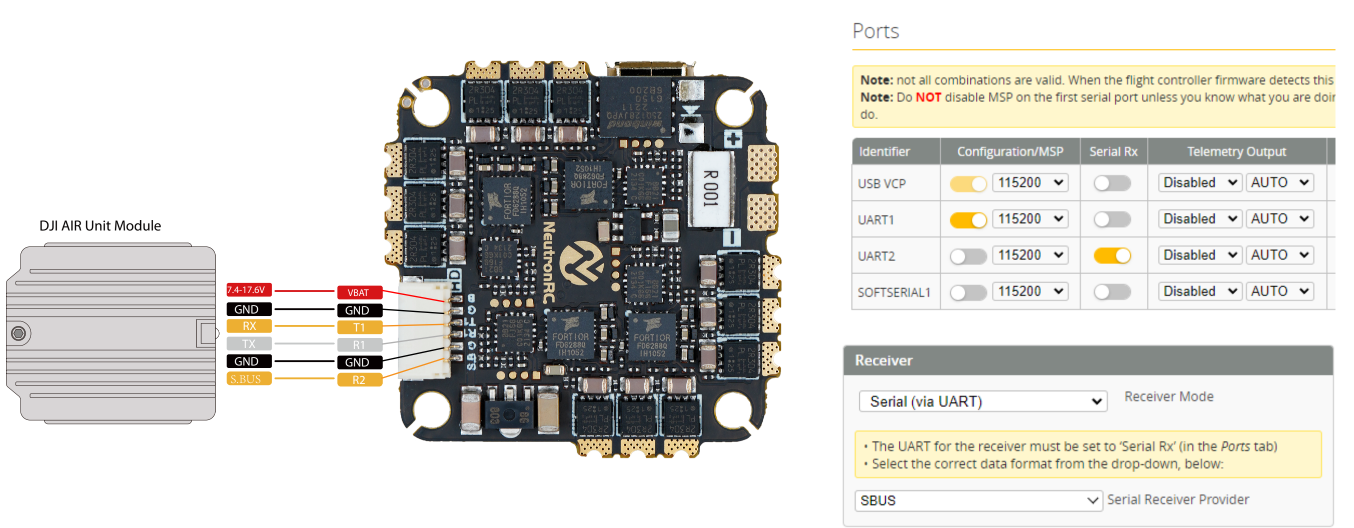
Identifier	Configuration/MSP	Serial Rx	Telemetry Output		Sensor Input		Peripherals	
USB VCP	115200		Disabled	AUTO	Disabled	AUTO	Disabled	AUTO
UART1	115200		Disabled	AUTO	Disabled	AUTO	VTX (IRC Tran	AUTO
UART2	115200		Disabled	AUTO	Disabled	AUTO	Disabled	AUTO
SOFTSERIAL1	115200		Disabled	AUTO	Disabled	AUTO	Disabled	AUTO

Betaflight Presets

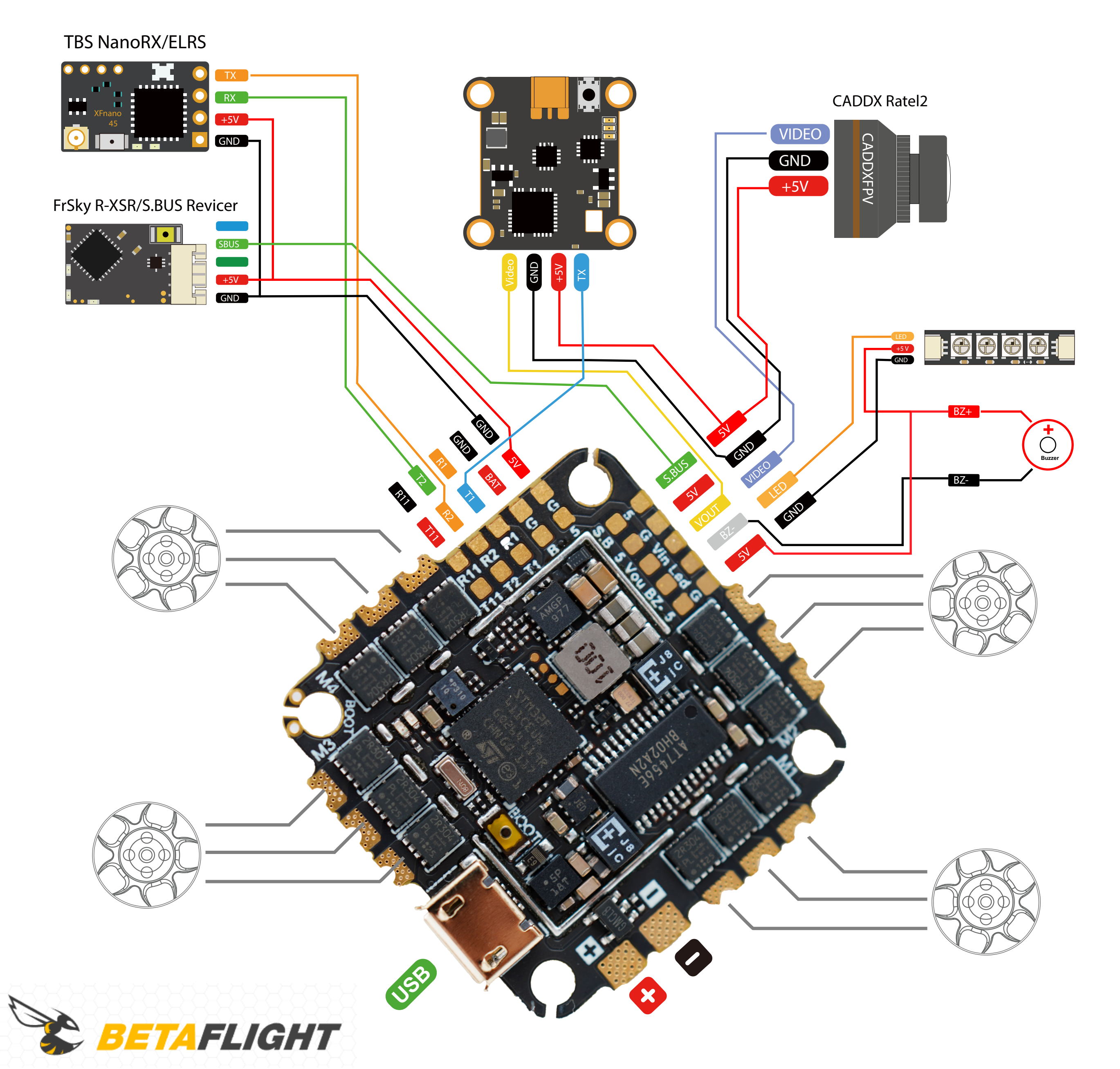




DJI digital image transmission system

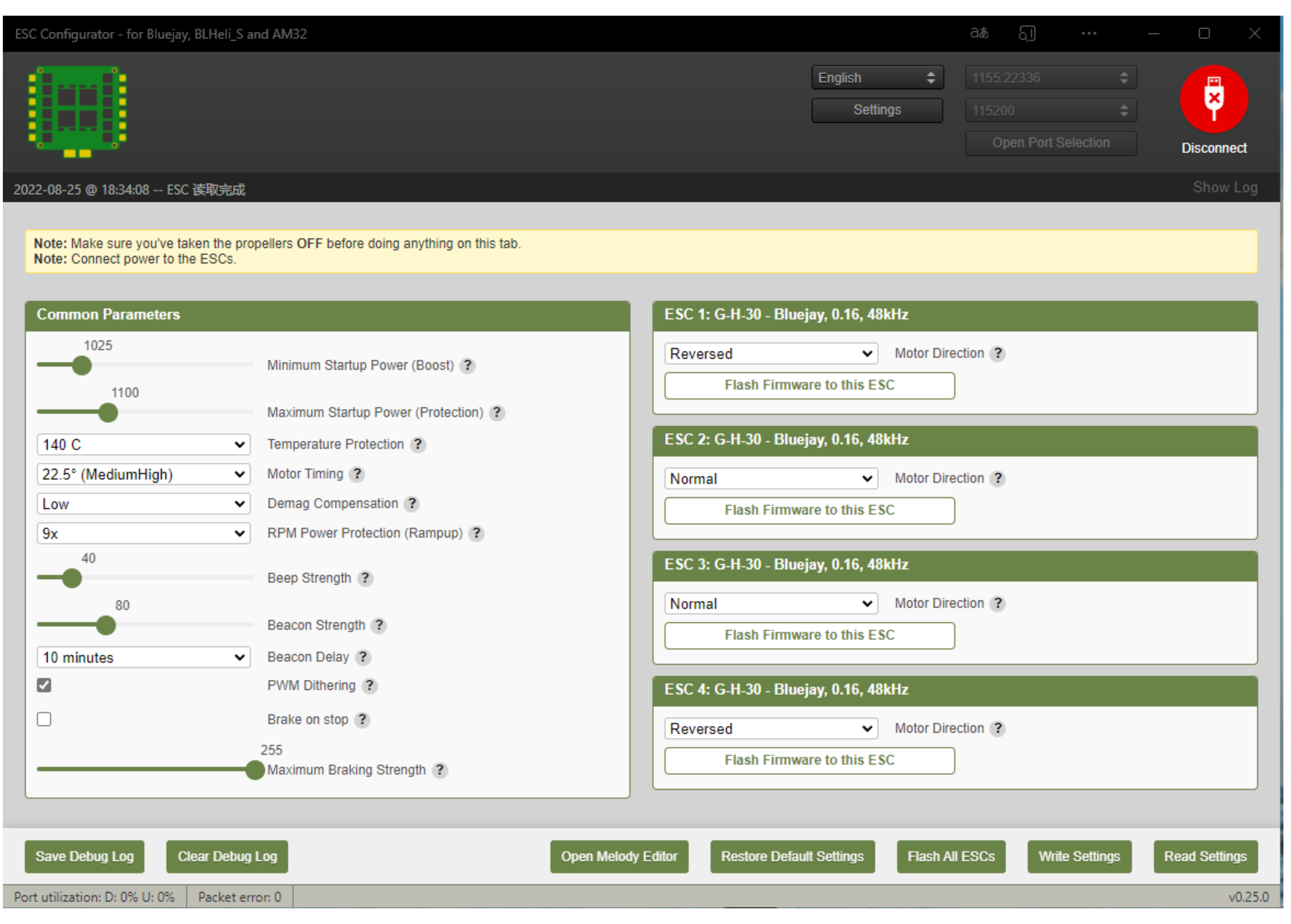


Default wiring diagram



About ESC, Open Source Bluejay

Open source Bluejay address:
https://github.com/mathiasvr/bluejay



NeutronRC Betaflight Bluejay