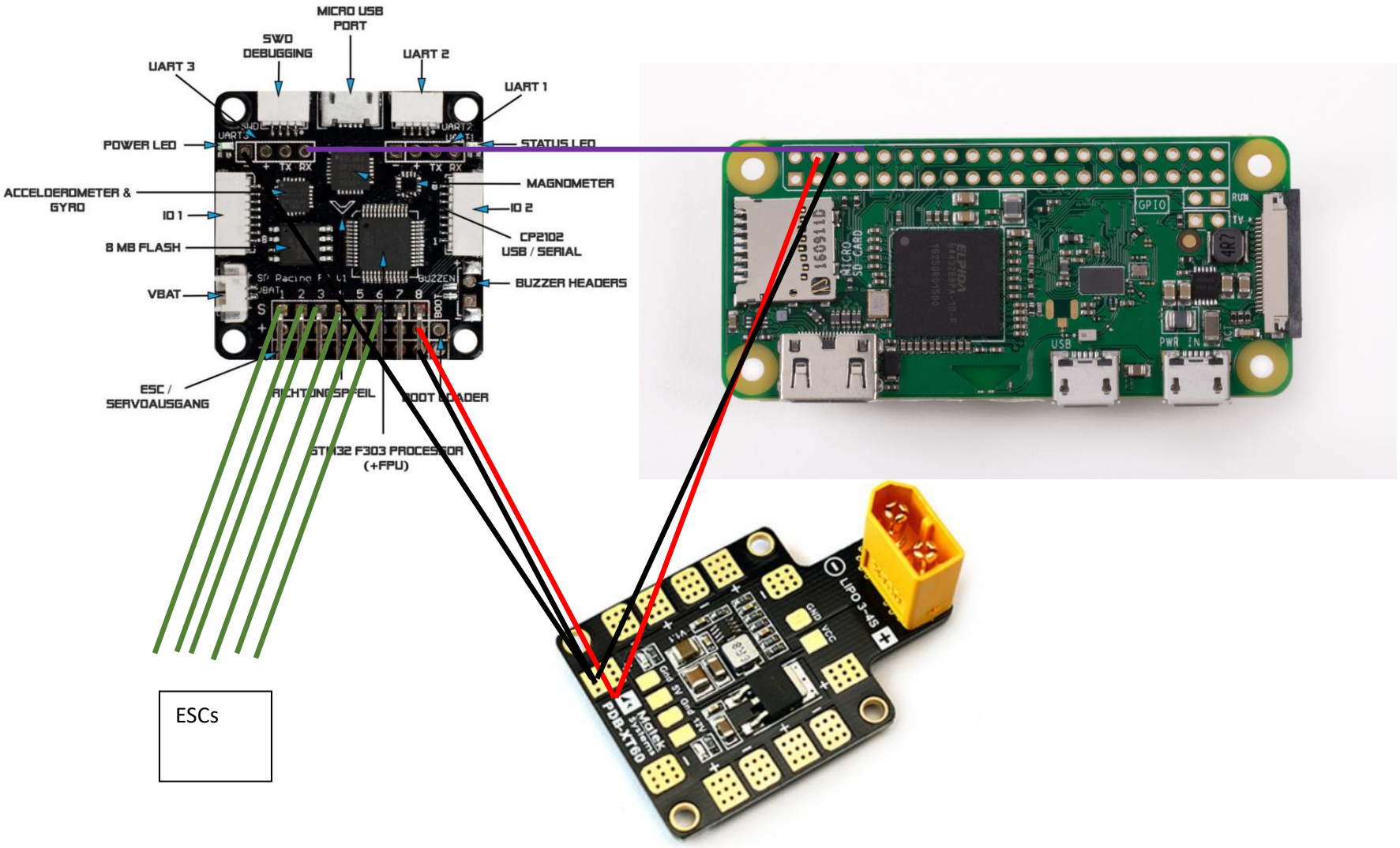
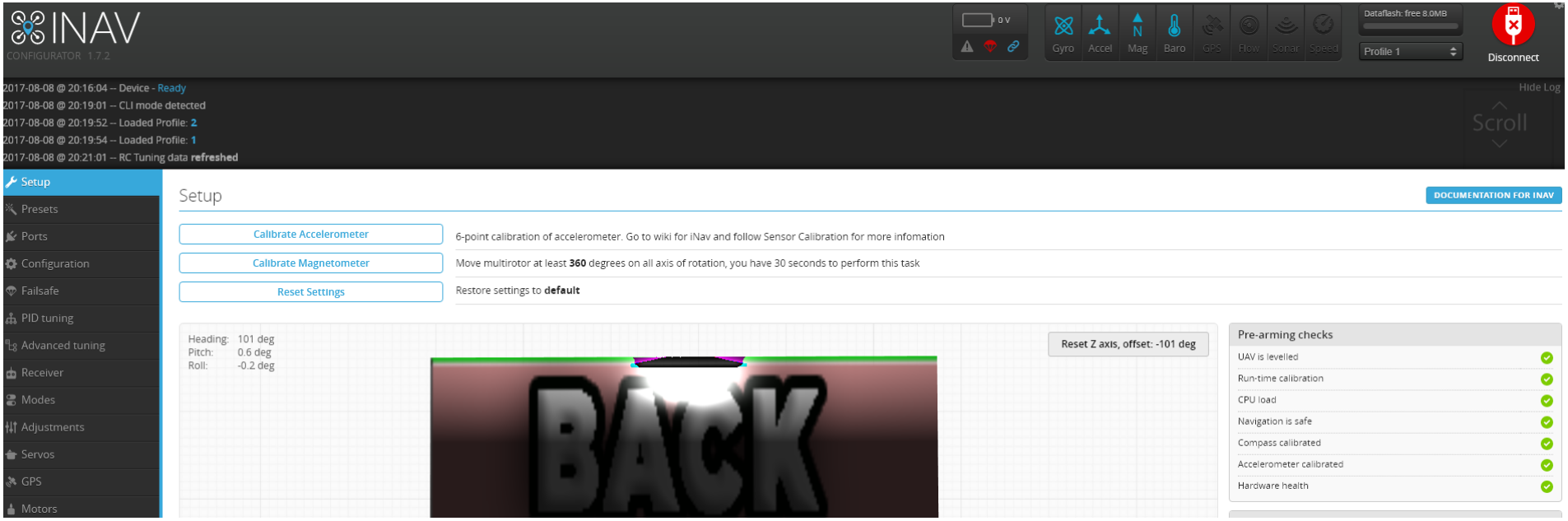
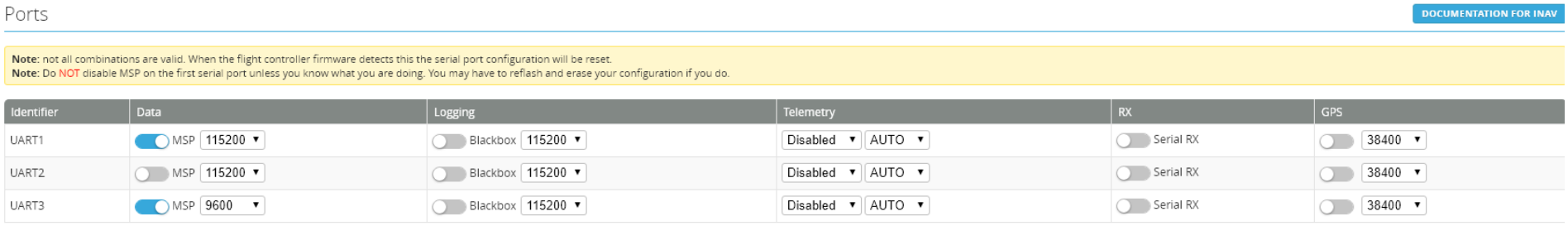

MICRO USB PORT
SWD DEBUGGING
UART 3
UART 2
UART 1
POWER LED
STATUS LED
MAGNOMETER
ACCELOEROMETER & GYRO
IO 1
IO 2
8 MB FLASH
CP2102 USB / SERIAL
BUZZER HEADERS
VBAT
ESC / SERVOAUSGANG
RICHTUNGSPFEIL
BOOT LOADER
STM32 F303 PROCESSOR (+FPU)
GPIO
USB
PWR IN
LIPO 3-4S
PDB-XT60
ESCs


INAV
CONFIGURATOR 1.7.2
0 V
Gyro
Accel
Mag
Baro
GPS
Flow
Sonar
Speed
Dataflash: free 8.0MB
Profile 1
Disconnect
2017-08-08 @ 20:16:04 -- Device - Ready
2017-08-08 @ 20:19:01 -- CLI mode detected
2017-08-08 @ 20:19:52 -- Loaded Profile: 2
2017-08-08 @ 20:19:54 -- Loaded Profile: 1
2017-08-08 @ 20:21:01 -- RC Tuning data refreshed
Hide Log
Scroll
Setup
Presets
Ports
Configuration
Failsafe
PID tuning
Advanced tuning
Receiver
Modes
Adjustments
Servos
GPS
Motors
Setup
DOCUMENTATION FOR INAV
Calibrate Accelerometer
6-point calibration of accelerometer. Go to wiki for iNav and follow Sensor Calibration for more infomation
Calibrate Magnetometer
Move multirotor at least 360 degrees on all axis of rotation, you have 30 seconds to perform this task
Reset Settings
Restore settings to default
Heading: 101 deg
Pitch: 0.6 deg
Roll: -0.2 deg
Reset Z axis, offset: -101 deg
BACK
Pre-arming checks
UAV is levelled
Run-time calibration
CPU load
Navigation is safe
Compass calibrated
Accelerometer calibrated
Hardware health


Ports
DOCUMENTATION FOR INAV
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
Data
Logging
Telemetry
RX
GPS
UART1
MSP 115200
Blackbox 115200
Disabled AUTO
Serial RX
38400
UART2
MSP 115200
Blackbox 115200
Disabled AUTO
Serial RX
38400
UART3
MSP 9600
Blackbox 115200
Disabled AUTO
Serial RX
38400

Receiver Mode

- ○ PPM RX input
- ○ Serial-based receiver (SPEKSAT, SBUS, SUMD)
- ○ PWM RX input (one wire per channel)
- ◉ MSP RX input (control via MSP port)
- ○ RX SPI based receiver (NRF24L01, RFM22)

Serial Receiver Provider

Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.

IBUS

RX SPI protocol

V202 250Kbps

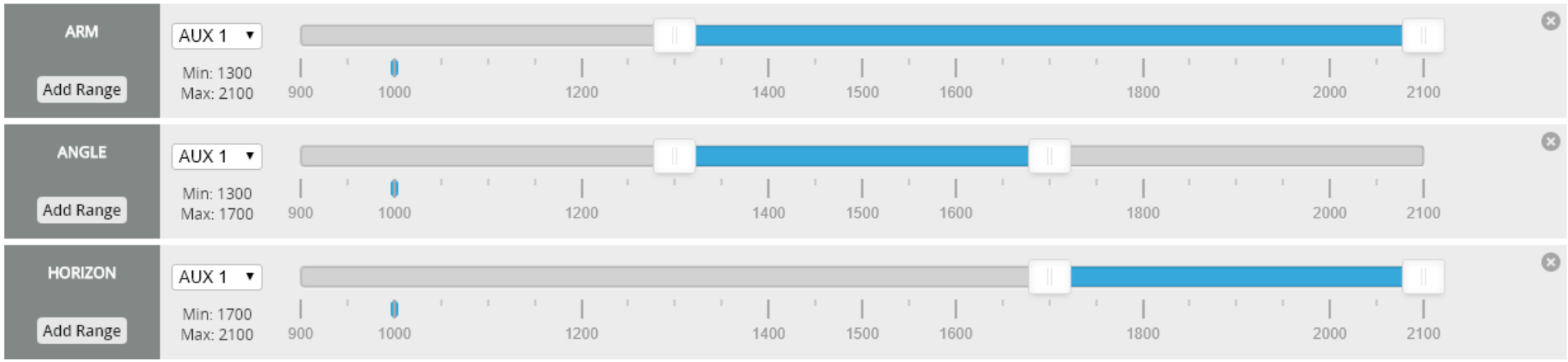
ESC/Motor Features

- [on] Enable motor and servo output
- ONESH ESC protocol
- 1kHz ESC refresh rate
- 50Hz Servo refresh rate
- [off] Don't spin the motors when armed
- [on] Disarm regardless of throttle value
- 1150 Minimum Throttle
- 1500 Middle Throttle [RC inputs center value]
- 1850 Maximum Throttle
- 1000 Minimum Command

System configuration

- 42Hz Gyroscope LPF cutoff frequency
- Disable Asynchronous mode
- [off] Synchronize looptime with gyroscope
- 500Hz Flight Controller Loop Time

Modes

DOCUMENTATION FOR INAV

Use ranges to define the switches on your transmitter and corresponding mode assignments. A receiver channel that gives a reading between a range min/max will activate the mode. Remember to save your settings using the Save button.