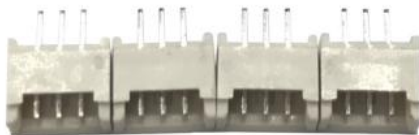


NLRC AIO412 (FC+ESC AIO)

User Manual V1.0



Brand name: NameLessRC

Item name: NameLessRC AIO412 (FC+ESC AIO)

Processor: STM32F411

Sensor: MPU-6000 (connected by SPI)

Input Voltage: 2-4S Lipo or 2- 4S HV Lipo

Size: 28.5×28.5mm

Weight: 4.2g(W/O battery wire)

FC SPECIFICATIONS :

-Built-in 5V 2.5A BEC with LC filter

-OSD: Built-in BetaFlight OSD

-Receiver: Support DSM2/X receiver, Frsky XM/XM+ Receiver, Frsky R9M -Futaba Receiver, Flysky Receiver, TBS Crossfire Receiver

-Support programmable LED

-Built-in current sensor

ESC SPECIFICATIONS :

Power supply: 2-4S LiPo/LiPo HV (7.4v/17.4v)

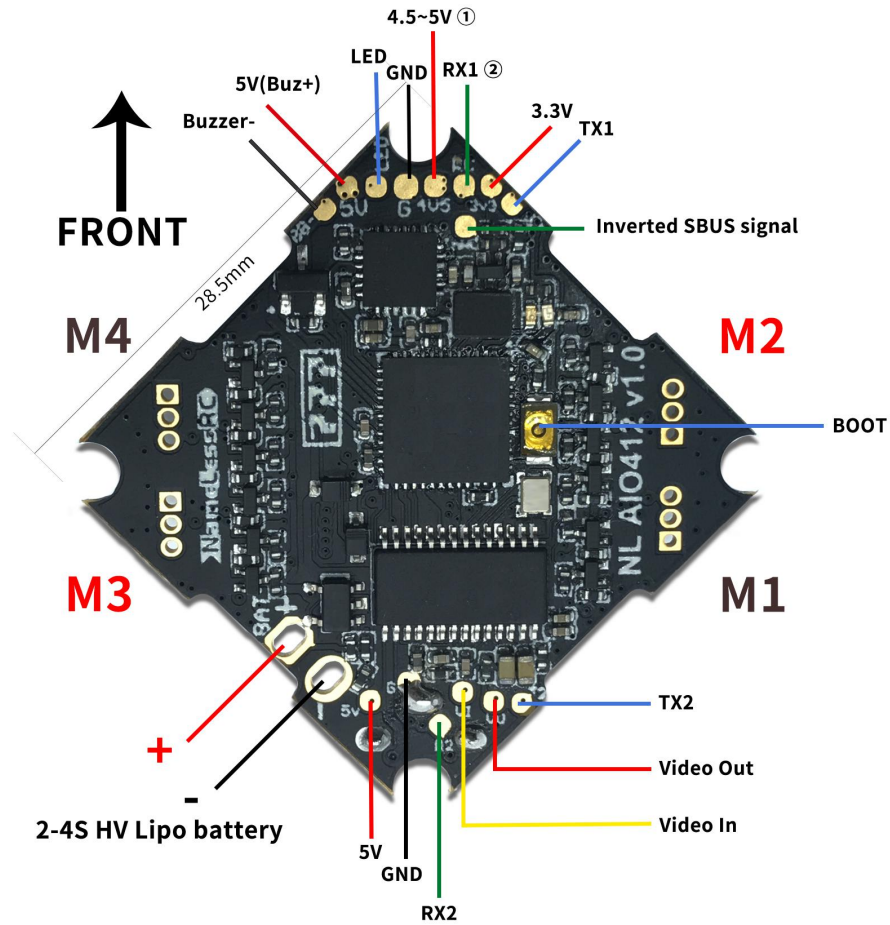
Continue current: 12A

Peak current: 15A

Firmware: BLHELI_S

Motor Connectors: 1.25mm header pins connector

Default protocol: DShot600



- *①When the AIO board is powered only via USB port , only this pad provided output voltage.
- *②This pad can connect with PPM/DSM/non-inverted SBUS receiver' s signal port.

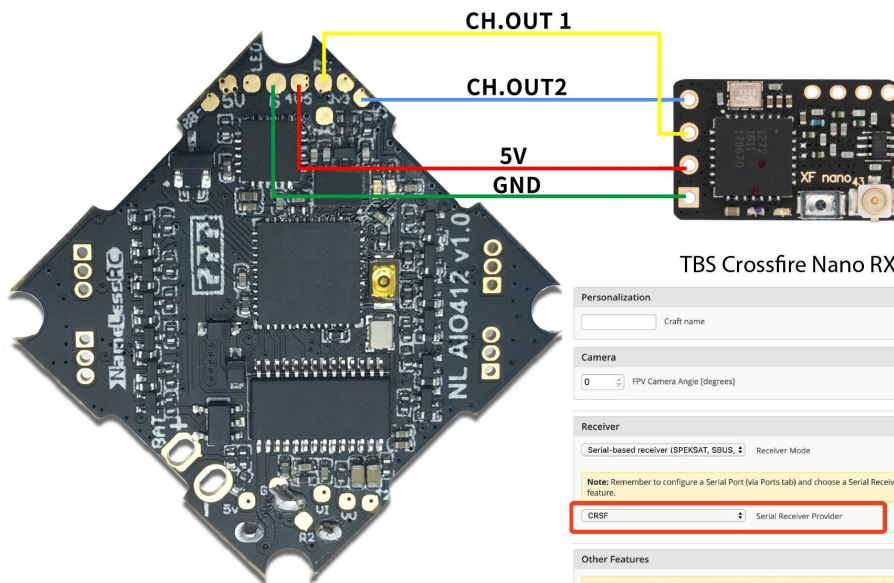
Power & Battery

Battery	
Onboard ADC	Voltage Meter Source
Onboard ADC	Current Meter Source
3.3	Minimum Cell Voltage
4.3	Maximum Cell Voltage
3.5	Warning Cell Voltage
300	Capacity (mAh)

Voltage Meter	
Battery	0 V
	110 Scale
	10 Divider Value
	1 Multiplier Value

Amperage Meter	
Battery	0.00 A
	750 Scale [1/10th mV/A]
	0 Offset [mA]

TBS Crossfire Nano RX:



TBS Crossfire Nano RX

Personalization

Craft name

Camera

0 FPV Camera Angle (degrees)

Receiver

Serial-based receiver (SPEKSAT, SBUS) Receiver Mode

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

CRSF Serial Receiver Provider

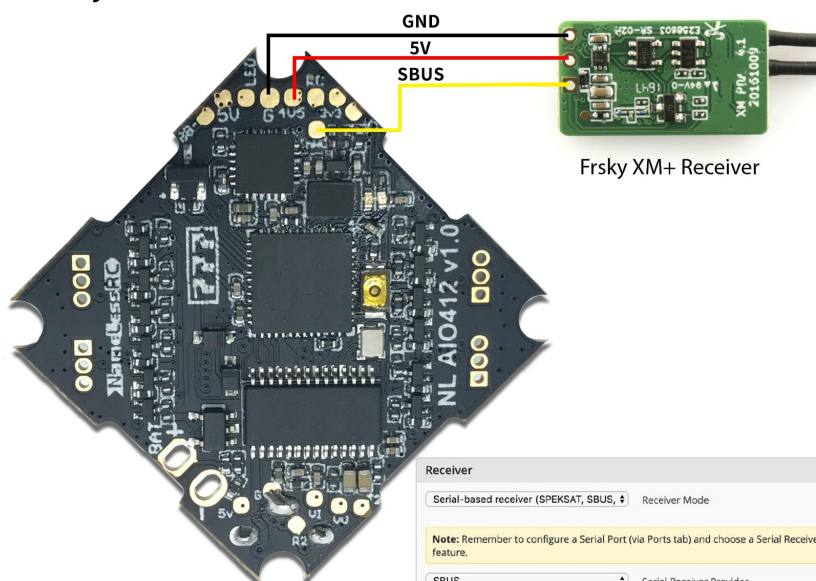
Other Features

Note: Not all features are supported by all flight controllers. If you enable a specific feature, and it is disabled after you hit 'Save and Reboot', it means that this feature is not supported on your board.

- INFLIGHT_ACC_CAL In-flight level calibration
- SERVO_TILT Servo gimbal
- SOFTSERIAL Enable CPU based serial ports
- SONAR Sonar
- TELEMETRY Telemetry output
- LED_STRIP Multi-color RGB LED strip support
- DISPLAY OLED Screen Display
- CHANNEL_FORWARDING Forward aux channels to servo outputs
- TRANSPONDER Race Transponder

To connect the receiver

FrSky XM+ receiver:



Frsky XM+ Receiver

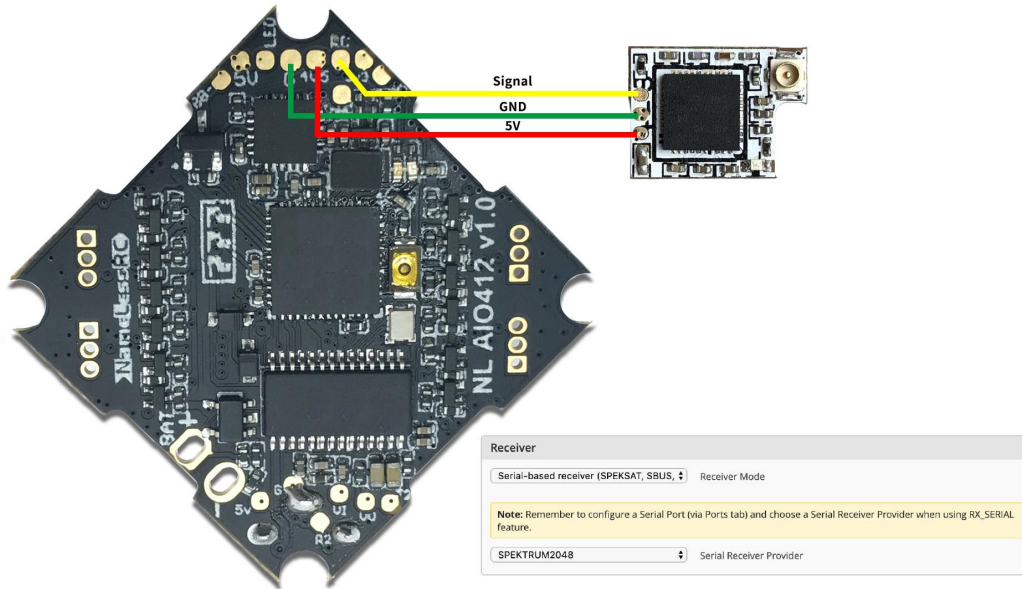
Receiver

Serial-based receiver (SPEKSAT, SBUS) Receiver Mode

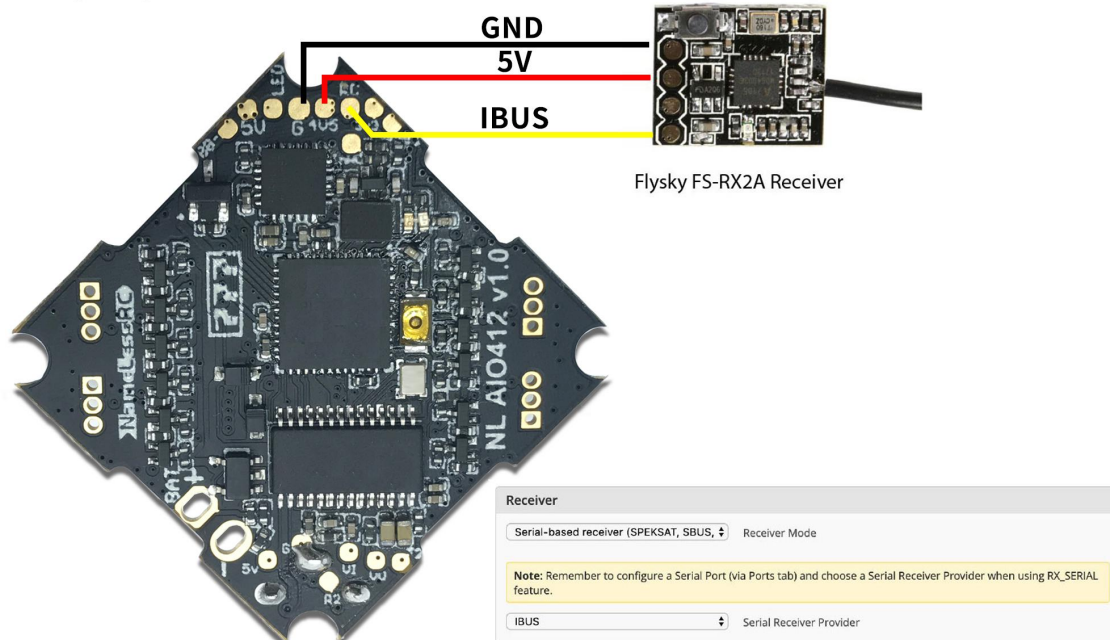
Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.

SBUS Serial Receiver Provider

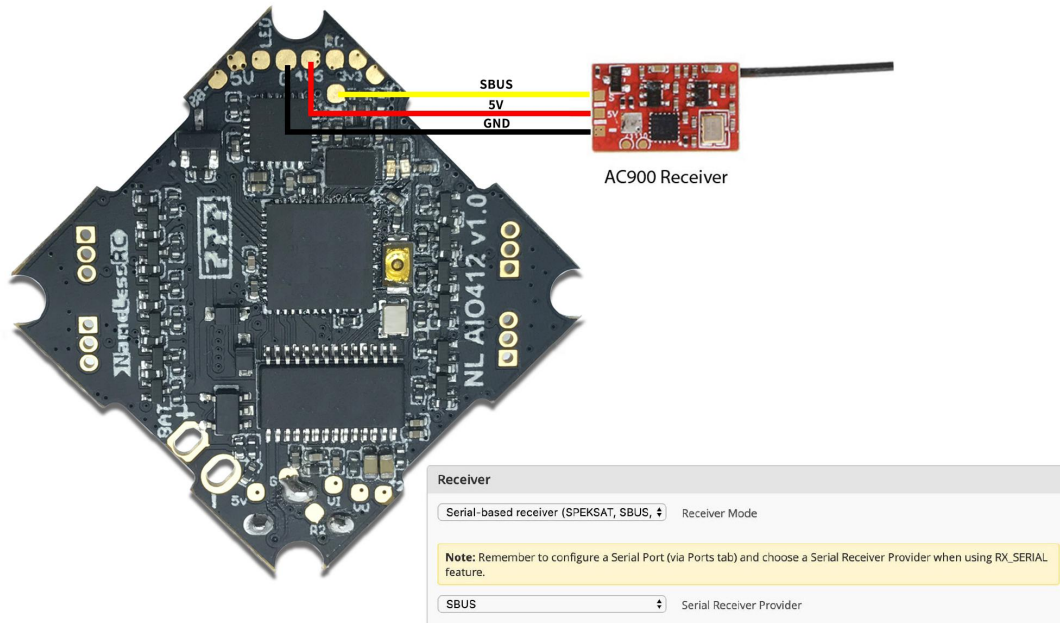
DSMX(FullSpeed) :



Flysky FS-RX2A(IBUS):



AC900(Support FrSky D16 && FUTABA S-FHSS)



Features:

- The largest support 4S Lipo HV battery, with Current meter
- F411 Flight Controller, BEC 5V 2.5A
- MPU6000 Gyro
- Include Buzzer pad
- Invert and non-invert SBUS port
- Light design