Wiring Diagram for Poly F405 2S-4S AIO V1.2
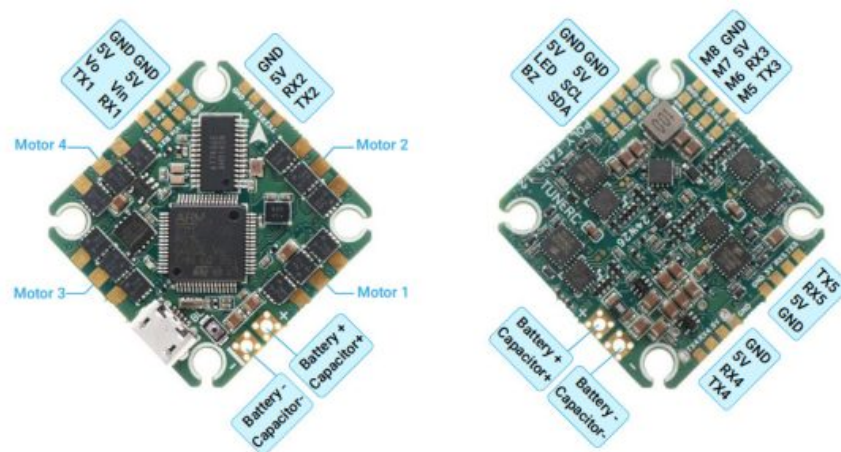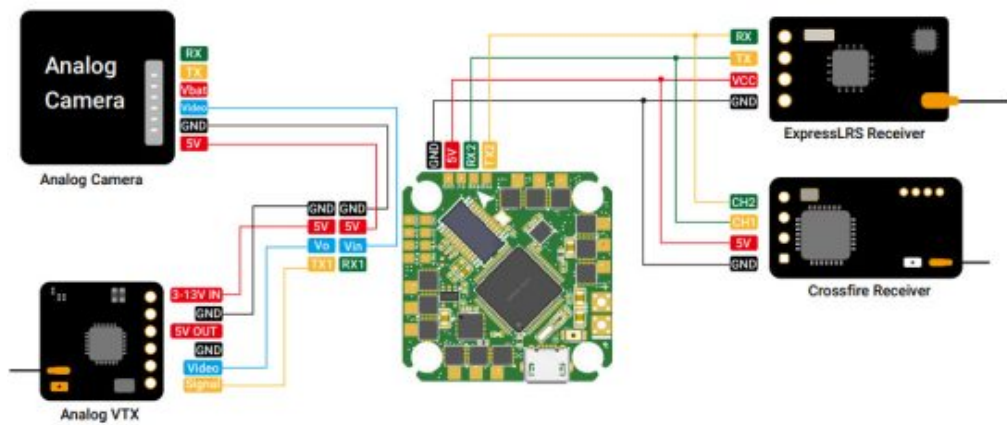
Contents [hide]
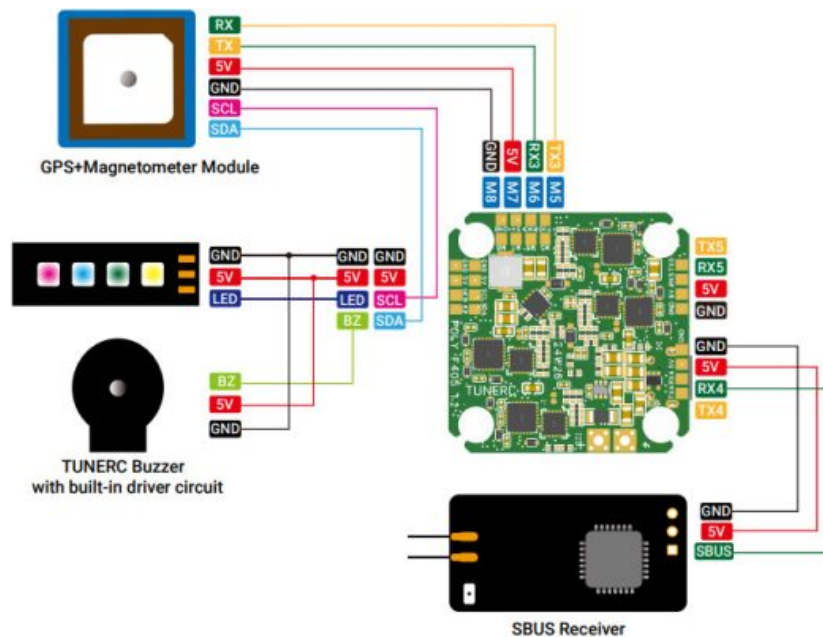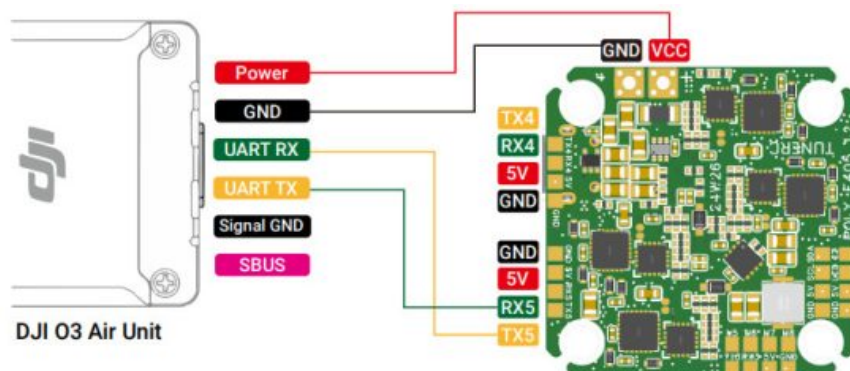
Pinout Diagram for Poly F405 V1.2

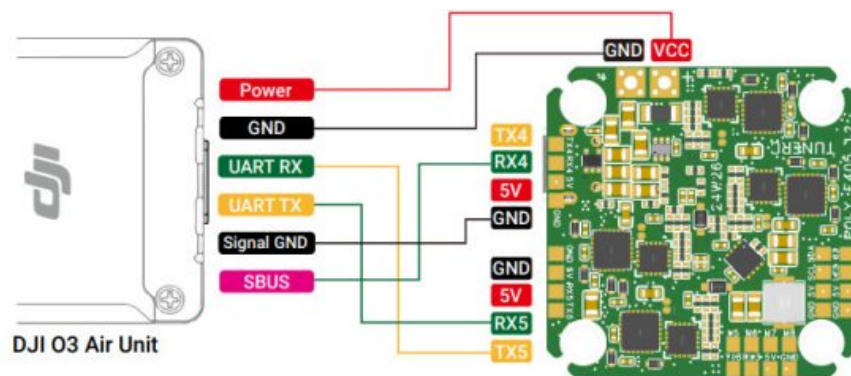## ELRS/ TBS Crossfire Receiver/ Analog System Wiring

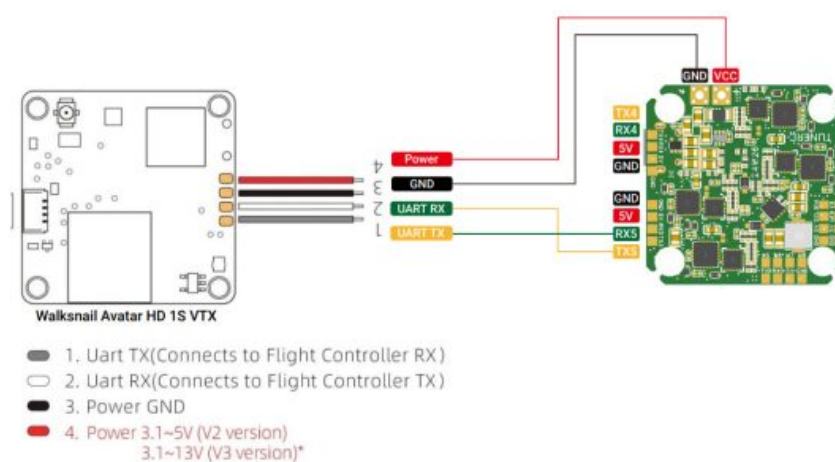## GPS/ LED/Buzzer/SBUS Receiver Wiring

DJI O3 Wiring

In general. you can wire the DJl 03 unit to any free UART on the Poly board. For users that don't use DJl radio controller, please refer to this diagram. You don't need to wire the "Signal GND" and "SBUS" wire from the DJl VTX plug.

For users that use DJI radio controller, please refer to this diagram.

Walksnail HD Avatar 1S VTX Wiring

Walksnail Avatar HD 1S VTX

- 1. Uart TX(Connects to Flight Controller RX)
- 2. Uart RX(Connects to Flight Controller TX)
- 3. Power GND
- 4. Power 3.1~5V (V2 version)
  3.1~13V (V3 version)*

Please note that the V3 Avatar 1S VTX only supports 1s-3s battery input.

HDZero Whoop Lite VTX Wiring

HDZero Whoop Lite VTX
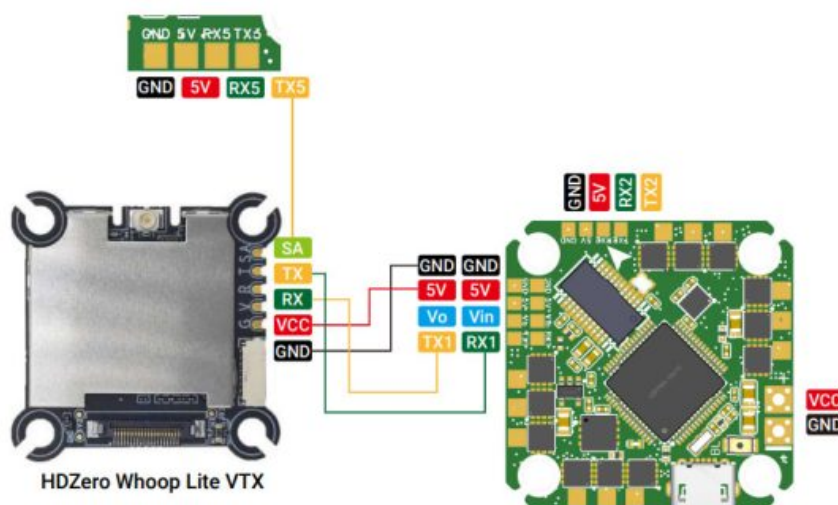
Actually, you can wire HD Zero Whoop Lite VTX to any sapre UART pads on Poly F405 board.

The wiring diagram above is only for reference.

ELRS/ TBS Crossfire Receiver Betaflight Setup

In Betaflight 4.5, under "Ports"tab, enable "Serial Rx" under corresponding uart you set for the RX.

Under "Receiver" tab, choose "Serial (via UART)" receiver mode and "CRSF" serial receiver provider.

SBUS Receiver Betaflight Setup

In Betaflight 4.5, under "Ports"tab, enable "Serial Rx" under corresponding uart you set for the RX.

Under "Receiver" tab, choose "Serial (via UART)" receiver mode and "SBUS" serial receiver provider.

Analog VTX Betaflight Setup

In Betaflight 4.5, under "Ports"tab, choose "VTX (TBS Smart Audio)" under corresponding uart you set for the analog VTX.
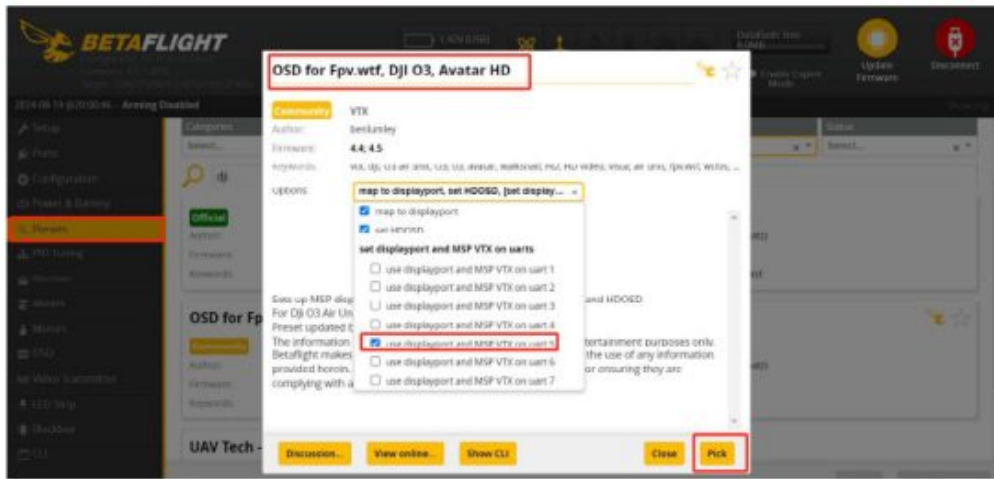

DJl O3 and Walksnail Avatar HD 1S VTX Betaflight Setup

1. In Betaflight 4.5, under "Ports" tab, please enable "Configuration MSP" and choose "VTX (MSP + Display port)" for corresponding UART you set for DJl O3 VTX.
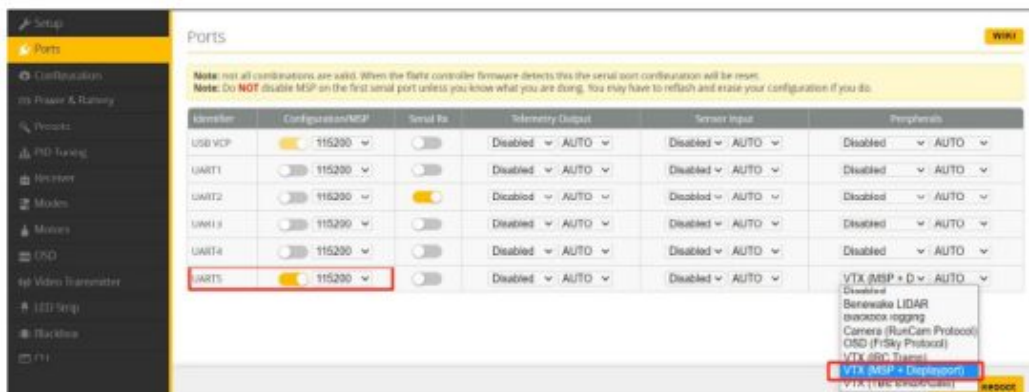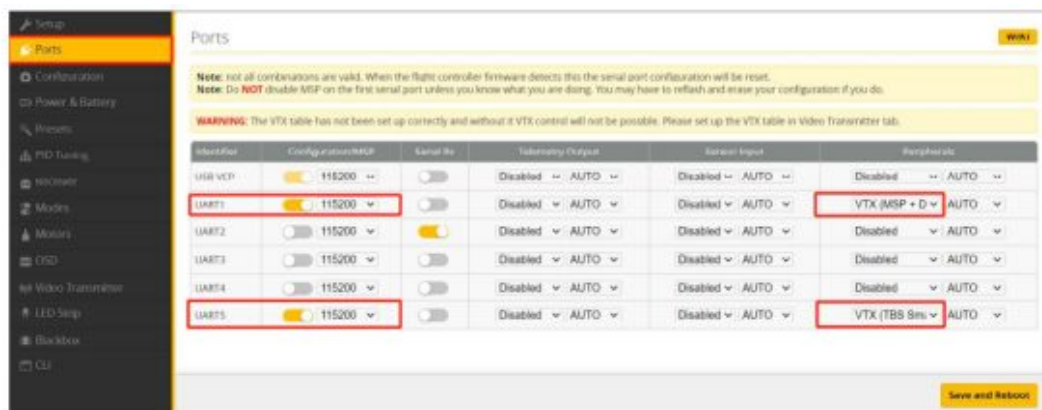

1.2. Under "Presets" tab, search DJl OSD, select "OSD for Fpv. wtf, DJl 03, Avatar HD " and select the corresponding uart you set for the DJl VTX under "Options", finally click "Pick"
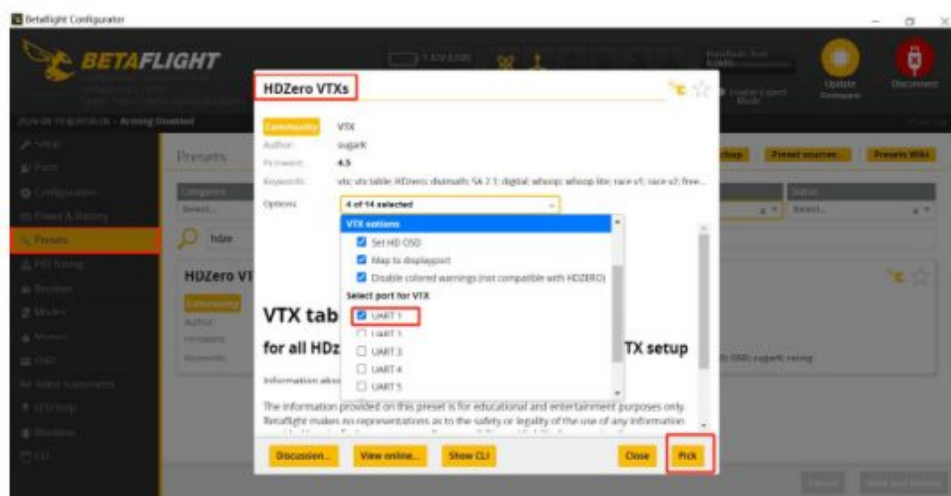
HD Zero Whoop Lite VTX Betaflight Setup

1. In Betaflight 4.5, under" Ports" tab, please enable "Configuration MSP" and choose "VTX (MSP + Display port)" for corresponding UART

2. To setup smart audio in Betaflight 4.5, please choose "VTX (Smart audio)" under" Peripherals" for the corresponding UART.

3. Under "Presets" tab, search "HD Zero VTXs "and select the corresponding UART you set for the HD Zero VTX under "Options", finally click "Pick"

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Documents / Resources

	[TUNERC F405 2S-4S AIO Blackbox and Current Meter Onboard Flight Controller](#) [[pdf](#)] Instruction Manual F405 2S-4S AIO, F405 2S-4S AIO Blackbox and Current Meter Onboard Flight Controller, Blackbox and Current Meter Onboard Flight Controller, Meter Onboard Flight Controller, Onboard Flight Controller, Flight Controller

References

- [User Manual](#)

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🏷️ Blackbox and Current Meter Onboard Flight Controller, F405 2S-4S AIO, F405 2S-4S AIO Blackbox and Current Meter Onboard Flight Controller, Flight Controller, Meter Onboard Flight Controller, Onboard Flight Controller, TUNERC

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