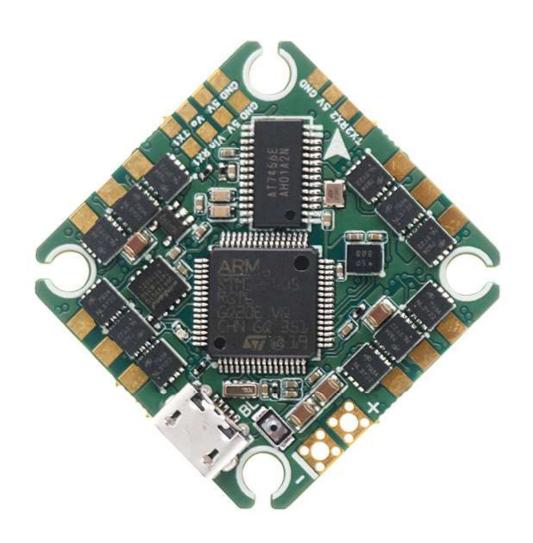
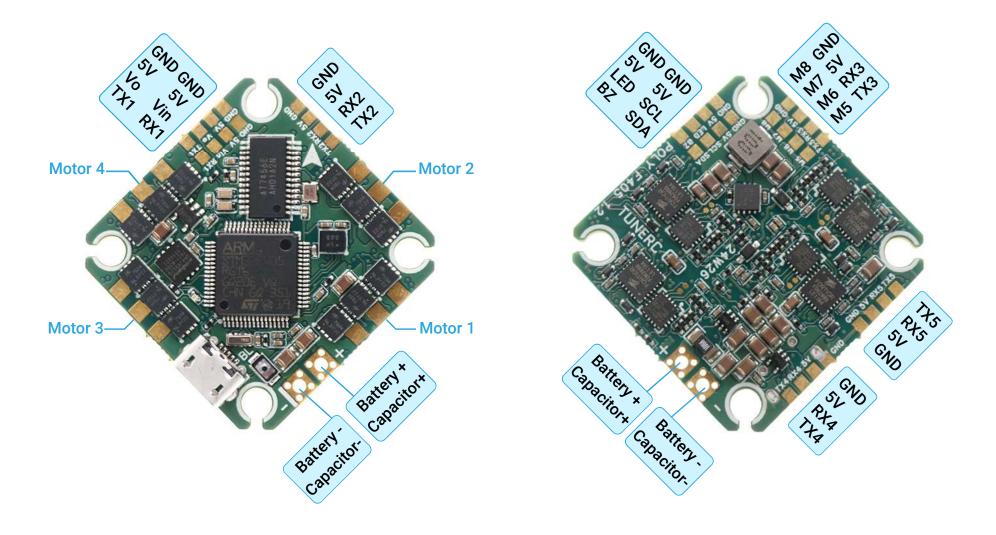
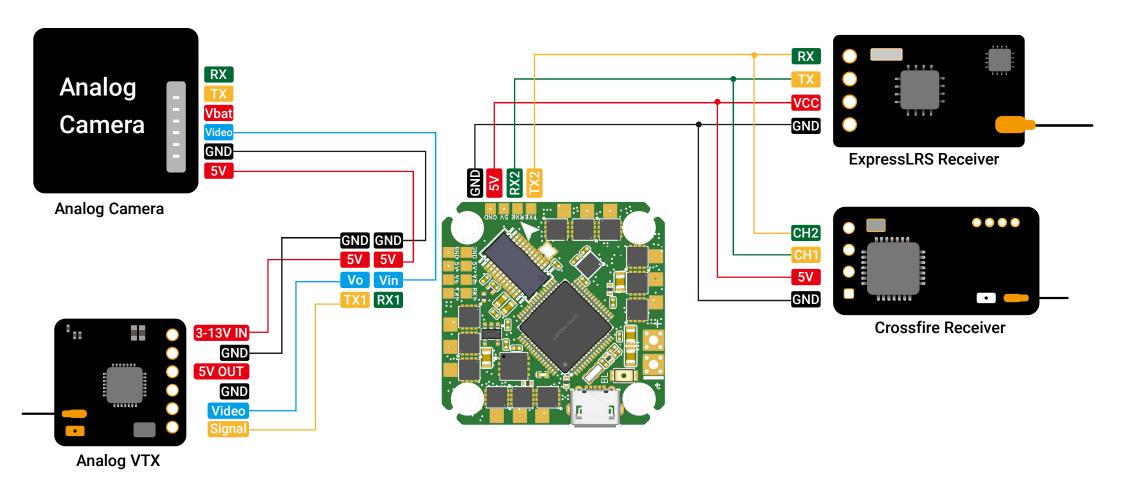
# Wiring Diagram for Poly F405 2S-4S AIO V1.2



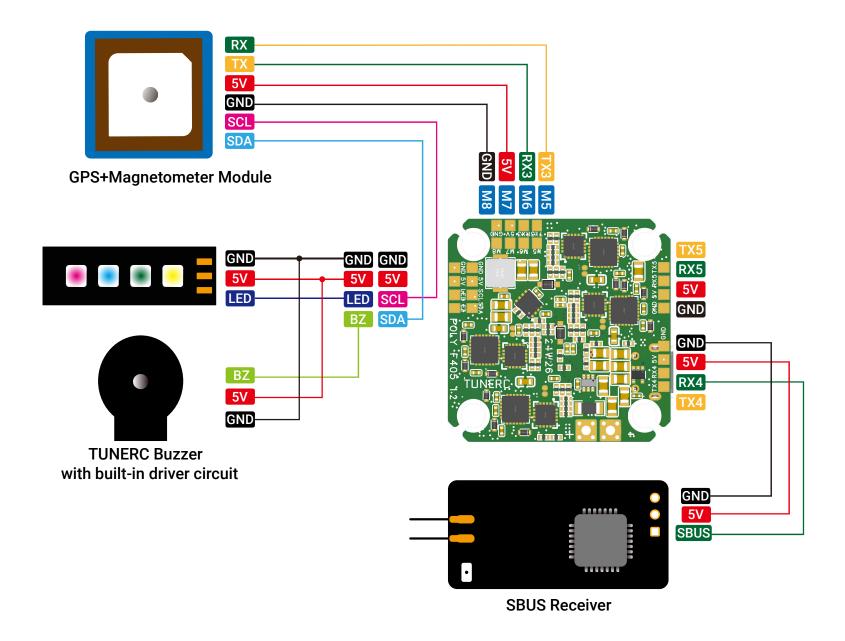
## Pinout Diagram for Poly F405 V1.2



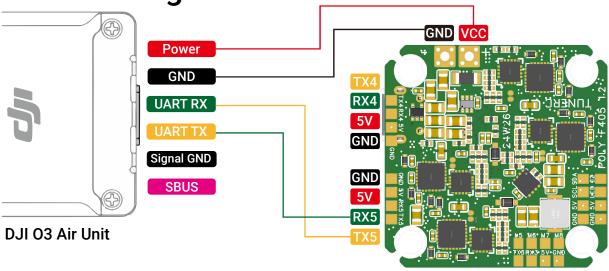
### ELRS/ TBS Crossfire Receiver/ Analog System Wiring



## GPS/ LED/Buzzer/SBUS Receiver Wiring



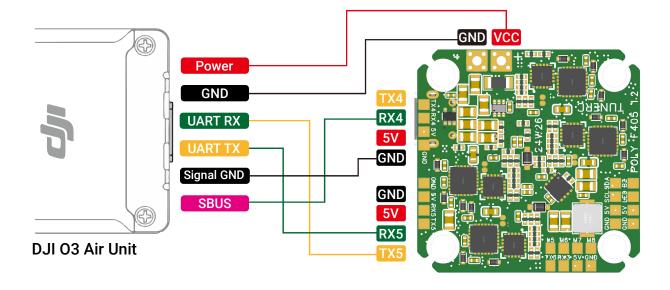
### **DJI 03 Wiring**



In general, you can wire the DJI 03 unit to any free UART on the Poly board.

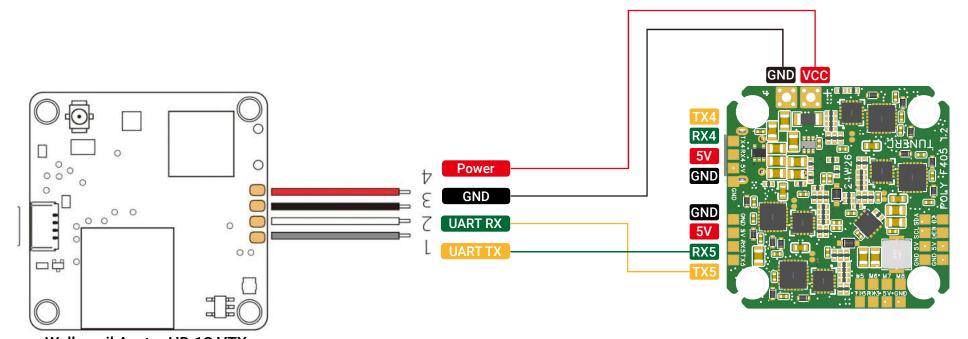
For users that don't use DJI radio controller, please refer to this diagram.

You don't need to wire the "Signal GND" and "SBUS" wire from the DJI VTX plug.



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

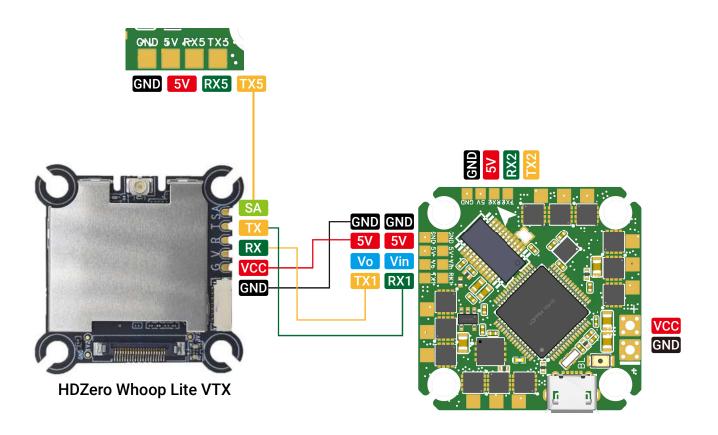
## Walksnail HD Avatar 1S VTX Wiring



- 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.

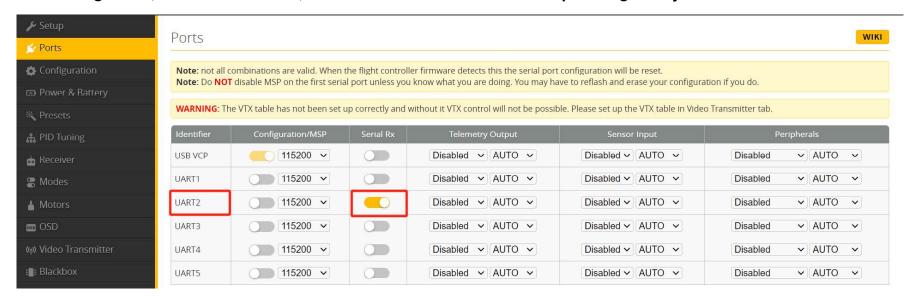
### **HDZero Whoop Lite VTX Wiring**



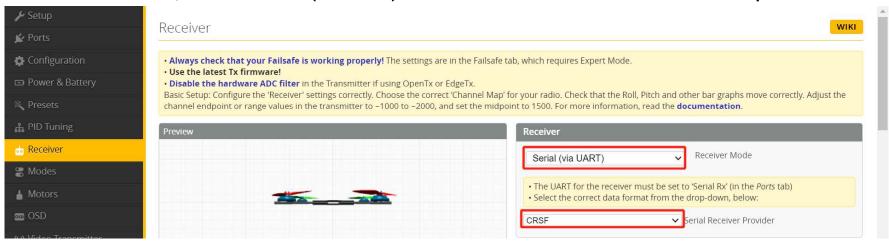
Actually, you can wire HDZero Whoop Lite VTXto any sapre UART pads on Poly F405 board. The wiring diagram above is only for reference.

#### **ELRS/ TBS Crossfire Receiver Betaflight Setup**

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

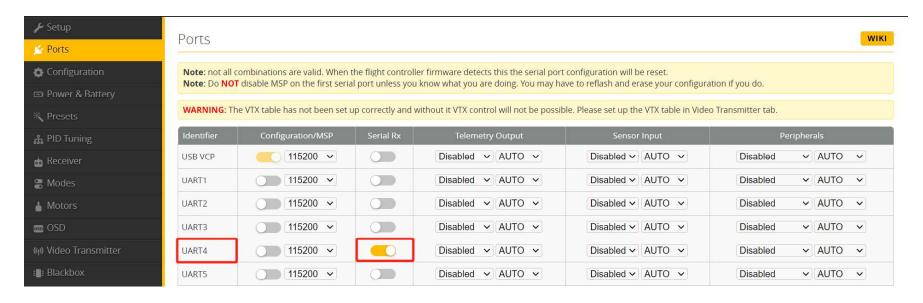


Under "Receiver" tab, choose "Serial (via UART)" receiver mode and "CRSF" serial receiver provider.

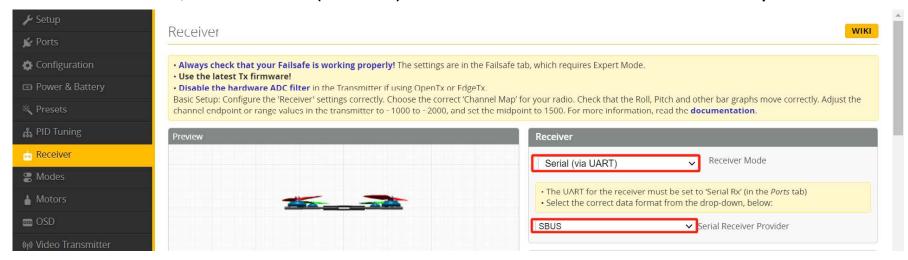


#### SBUS Receiver Betaflight Setup

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

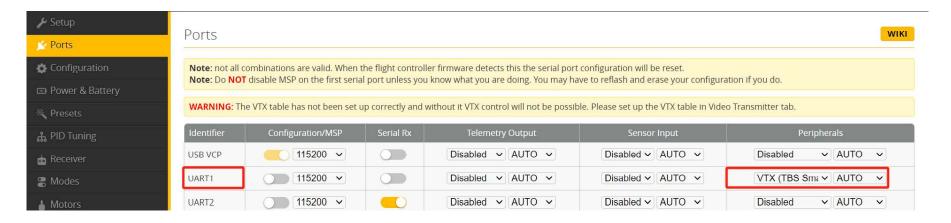


Under "Receiver" tab, choose "Serial (via UART)" receiver mode and "SBUS" serial receiver provider.



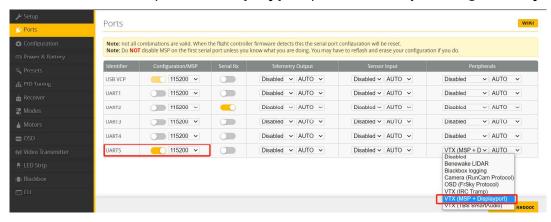
### **Analog VTX Betaflight Setup**

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

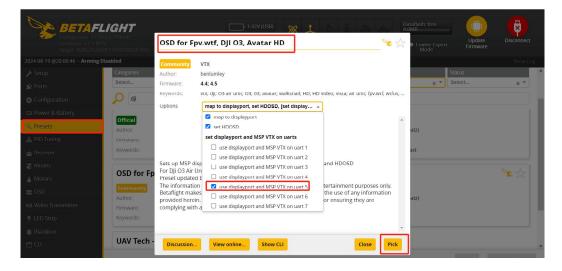


#### DJI 03 and Walksnail Avatar HD 1S VTX Betaflight Setup

1. In Betaflight 4.5, under "Ports" tab, please enable "Configuration MSP" and choose "VTX (MSP + Displayport)" for corresponding UART you set for DJI 03 VTX.

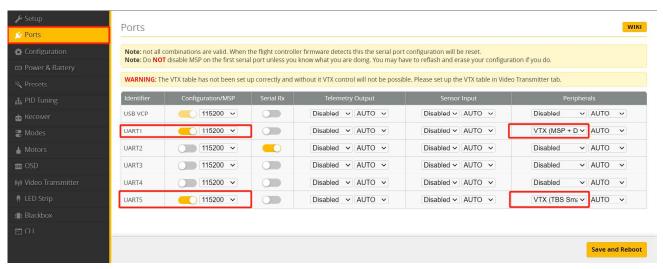


1.2. Under "Presets" tab, search DJI OSD, select "OSD for Fpv.wtf, DJI 03, Avatar HD " and select the corresponding uartyou set for the DJI VTX under "Options", finally click "Pick"



#### HDZero WhoopLite VTX Betaflight Setup

- 1.In Betaflight 4.5, under "Ports" tab, please enable "Configuration MSP" and choose "VTX (MSP + Displayport)" for corresponding UART.
- 2. To setup smart audio in Betaflight 4.5, please choose "VTX (Smartaudio)" under "Peripherals" for the correspondin UART.



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

