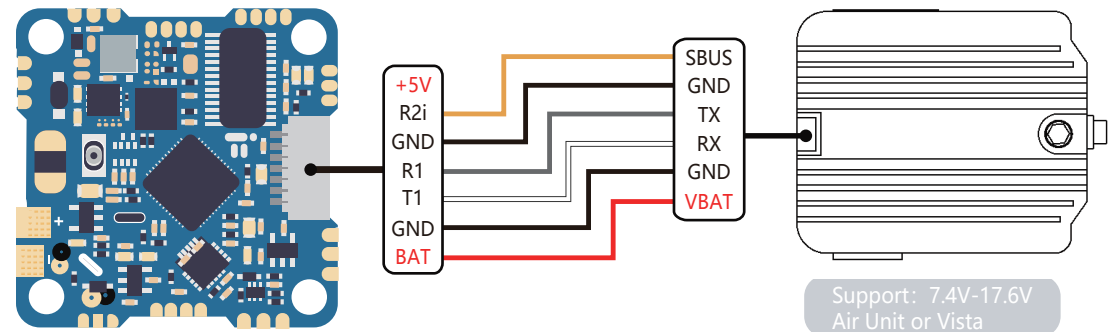


Whoop AIO F411 V1.1 Wiring Diagram

Use DJI transmitter

Firmware Target: IFLIGHT_F411_PRO (IFRC)

FC plug&play port and setup compatible to Caddx Vista



Identifier	Configuration/MSP	Serial Rx
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART1	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART2	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>

- Please check your protocols, otherwise your DJI Radio won't input signals!

DJI Google protocol and Betaflight protocol has to match!
For lower signal latency use the SBUS_BAUD_FAST protocol option on both ends.

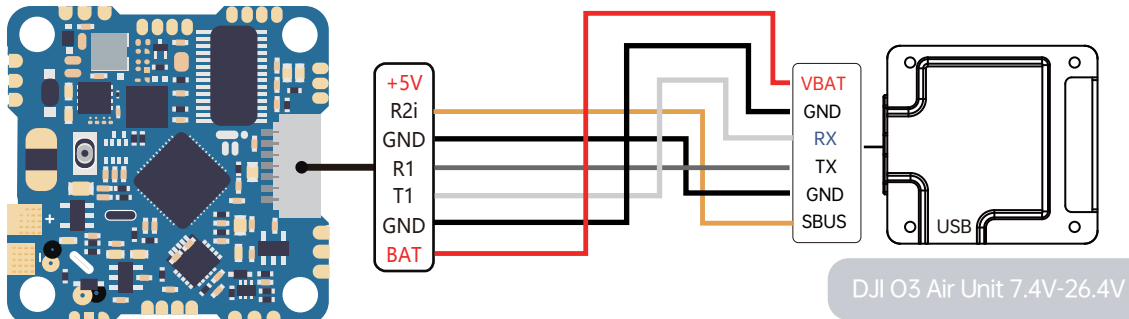
For Betaflight Copy/Paste "set sbus_baud_fast=on" into your Betaflight Configurator CLI then hit enter.
Use "save" and hit enter to save the changes.
Default: sbus_baud_fast=off, Google protocol set to NORMAL

Receiver

Serial-based receiver (SPEKSAT, S) Receiver Mode

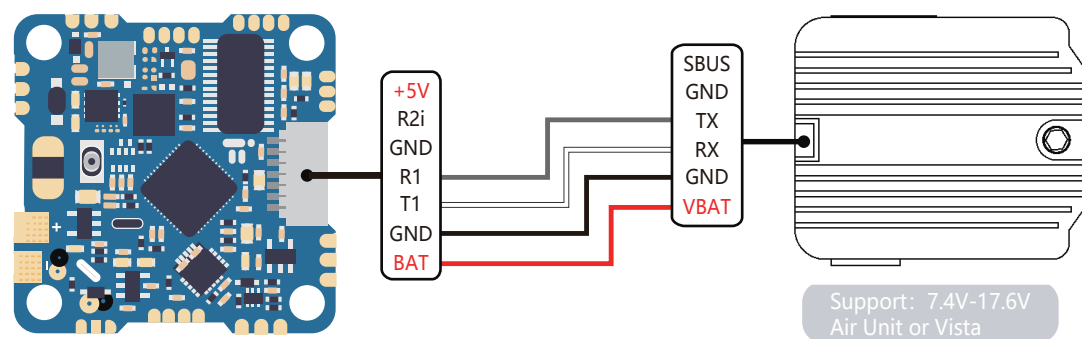
Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.

SBUS Serial Receiver Provider



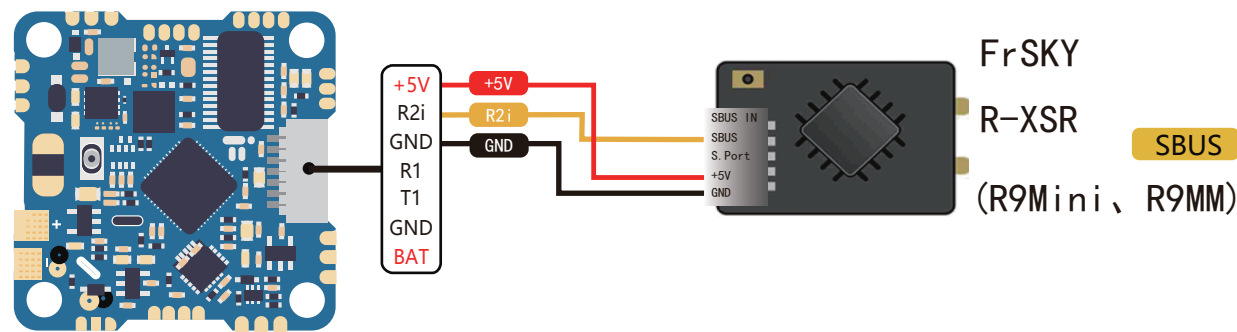
- For DJI O3 Air Unit, in the Betaflight Configurator CLI, Set osd device to MSP: "set osd_displayport_device = MSP" Specify the serial port of msp_displayport as 0 (the number in this place should be the serial port number minus 1): "set displayport_msp_serial = 0" then type "save" and exit

Use another transmitter(HD)



To free UART2 to use a 3rd party receiver, do NOT connect the DJI Air Unit SBUS and GND (as in the picture). Please follow further instructions below.

Identifier	Configuration/MSP	Serial Rx
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART1	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART2	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>



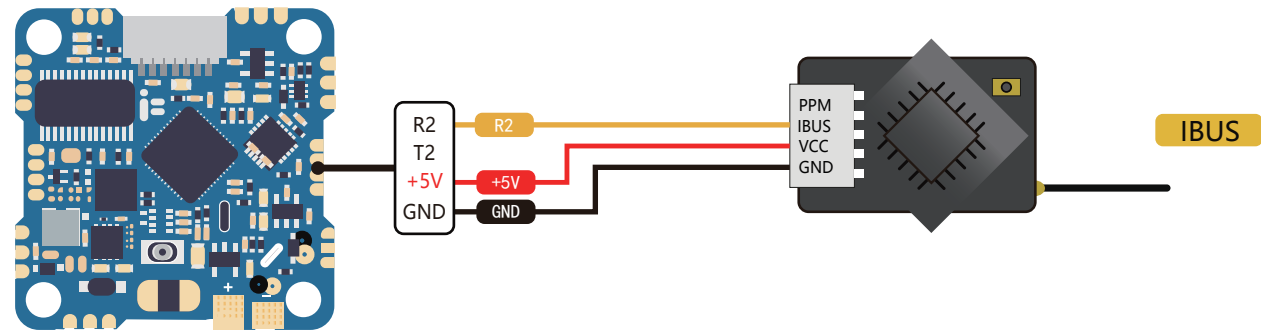
Receiver

Serial-based receiver (SPEKSAT, S) 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

Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	Disabled AUTO	VTX (IRC Tran) AUTO
UART2	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO

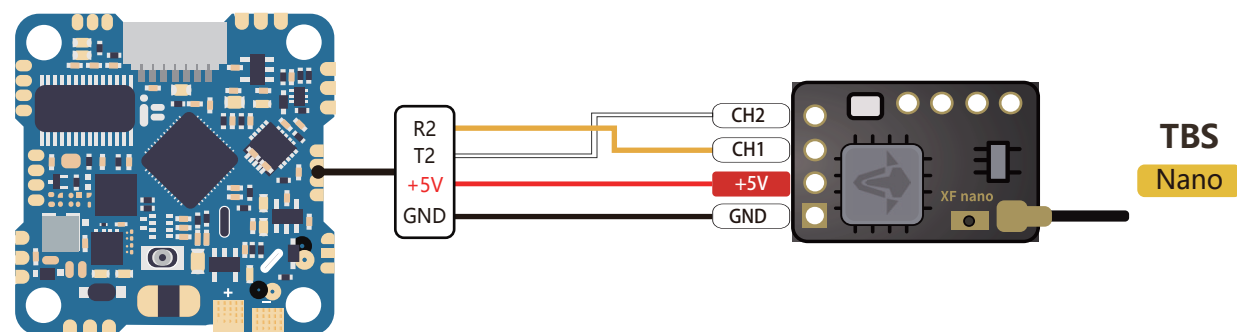


Receiver

Serial-based receiver (SPEKSAT, S) Receiver Mode

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

IBUS Serial Receiver Provider

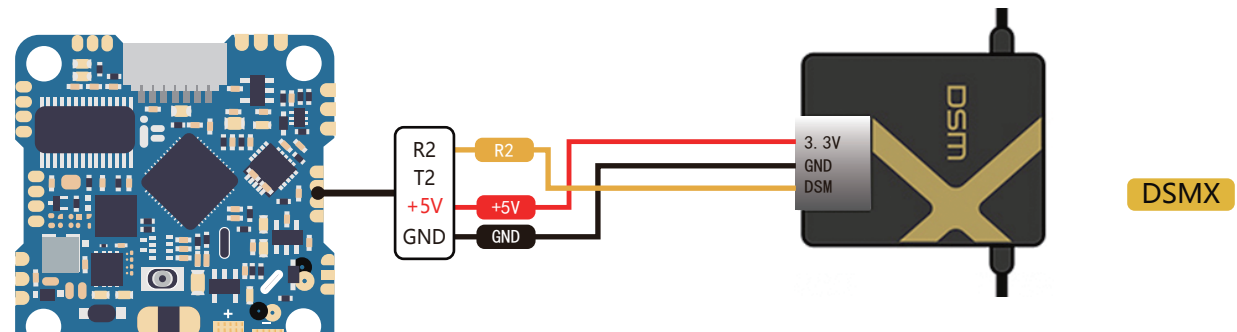


Receiver

Serial-based receiver (SPEKSAT, S) 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



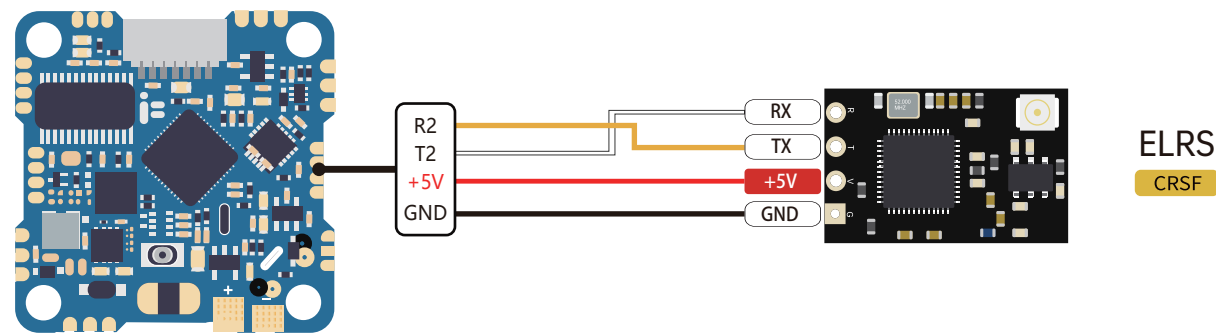
Receiver

Serial-based receiver (SPEKSAT, S) Receiver Mode

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

SPEKTRUM2048 Serial Receiver Provider

ELRS Connection Method 1



Receiver

Serial (via UART) Receiver Mode

The UART for the receiver must be set to 'Serial Rx' (in the Ports tab)
Select the correct data format from the drop-down, below:

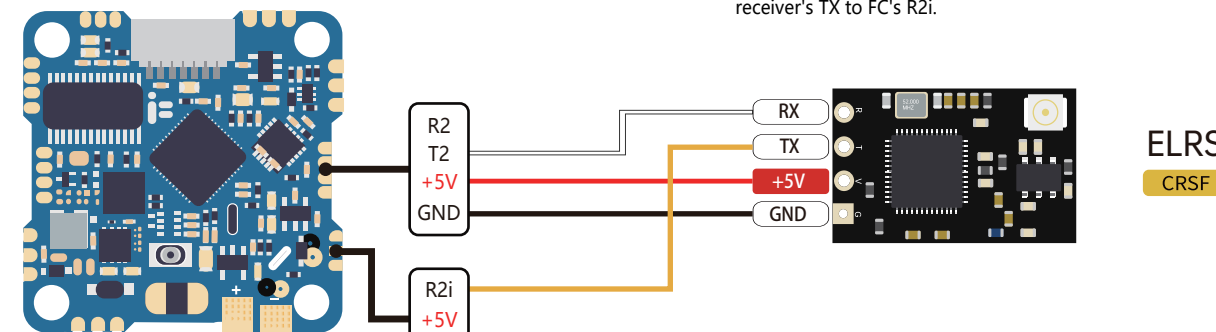
CRSF Serial Receiver Provider

☒ TELEMETRY Telemetry output

Identificador	Configuració/MSP	Rx sèrie	Sortida de Telemetria	Entrada de Sensor	Perifèrics
UART2	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>	Deshabilitat AUTO	Deshabilitat AUTO	Deshabilitat AUTO

ELRS Connection Method 2

- Notice: Due to component differences or circuit design, if you are using an iFlight brand ELRS receiver, you can follow the Method 1 to connect. If you are using a ELRS receiver from other brand, it may happen that the receiver light stays on after powered up, in this case please connect according to Method 2, and you need to refresh the receiver firmware, then select RCVR_INVERT_TX and connect the receiver's TX to FC's R2i.



Receiver

Serial (via UART) Receiver Mode

The UART for the receiver must be set to 'Serial Rx' (in the Ports tab)
Select the correct data format from the drop-down, below:

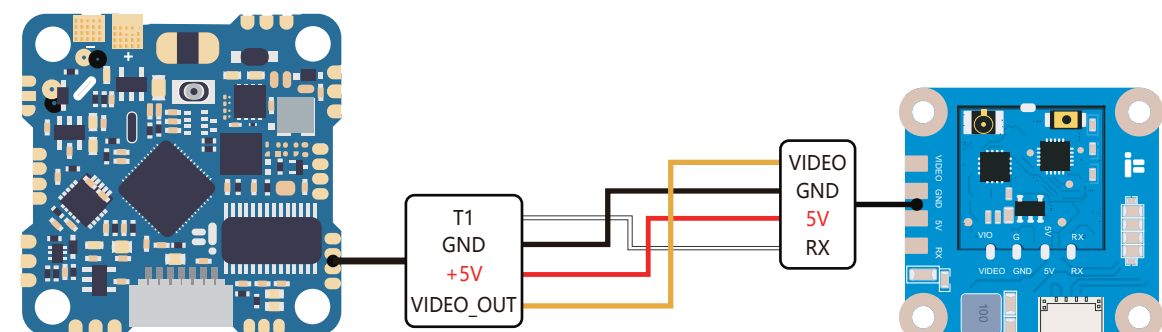
CRSF Serial Receiver Provider

☒ TELEMETRY Telemetry output

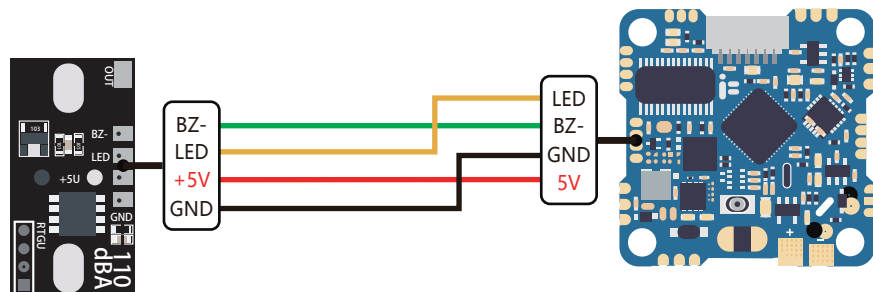
Identificador	Configuració/MSP	Rx sèrie	Sortida de Telemetria	Entrada de Sensor	Perifèrics
UART2	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>	Deshabilitat AUTO	Deshabilitat AUTO	Deshabilitat AUTO

Analog

Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	Disabled AUTO	VTX (IRC Tran) AUTO
UART2	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO



LED/BUZZER



CAM

