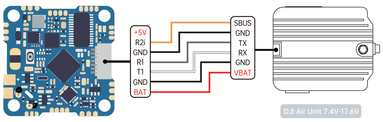
Whoop AIO F411 V1.1 Wiring Diagram

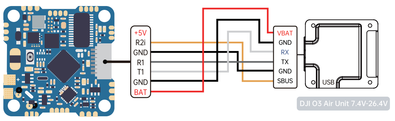
Use DJI transmitter

Firmware Target: IFLIGHT_F411_PRO (IFRC)

FC plug&play port and setup compatible to Caddx Vista



DJI Air Unit 7.4V-17.6V



DJI O3 Air Unit 7.4V-26.4V

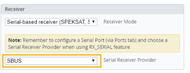
Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	
UART2	115200	

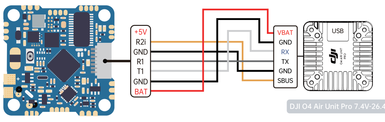
- Please check your protocols, otherwise your DJI Radio won't input signals!

  DJI Goggle protocol and Betaflight protocol has to match!

  For lower signal latency use the SBUS_BAUD_FAST protocol option on both ends.

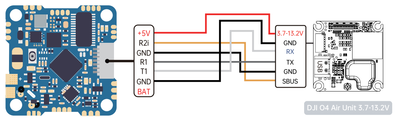
  For Betaflight Copy/Paste "set sbus_baud_fast=on" into your Betaflight Configurator CLI then hit enter.
  Use"save" and hit enter to save the changes .
  Default: sbus_baud_fast=off, Goggle protocol set to NORMAL





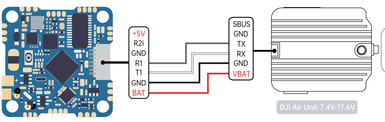
DJI O4 Air Unit Pro 7.4V-26.4V

- For DJI O3 Air Unit,In to 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



DJI O4 Air Unit 5.7-13.2V

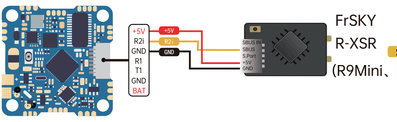
Use another transmitter(HD)



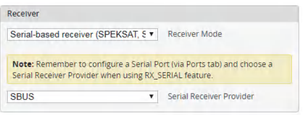
DJI Air Unit 7.4V-17.6V

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.

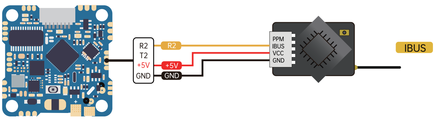
Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	
UART2	115200	



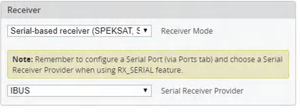
FrSKY
R-XSR
SBUS
(R9Mini、R9MM)

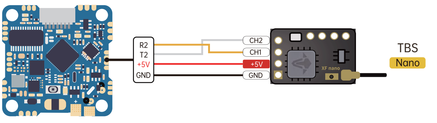


Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200		Disabled AUTO	Disabled AUTO	VTX (IRC Tran AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO

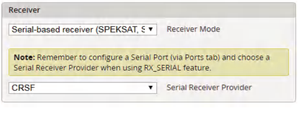


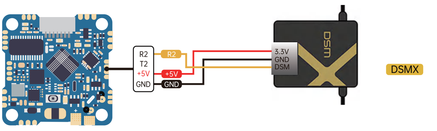
IBUS



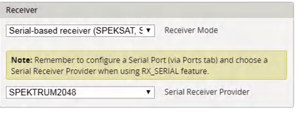


TBS
Nano

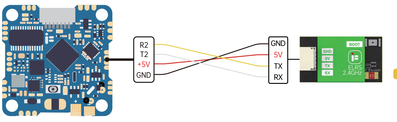




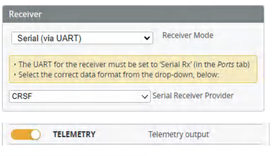
DSMX



ELRS Connection Method 1



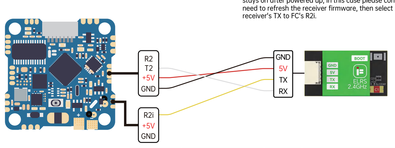
ELRS
CRSF



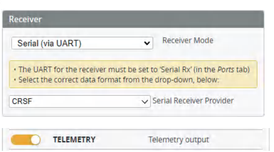
Identificador	Configuració/MSP	Rx sèrie	Sortida de Telemetria	Entrada de Sensor	Perifèrics
UART2	115200		Deshabilitat AUTO	Deshabilitat AUTO	Deshabilitat AUTO

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.



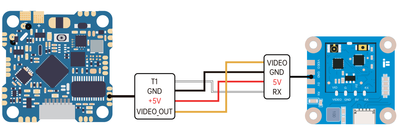
ELRS
CRSF



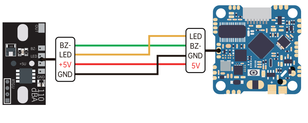
Identificador	Configuració/MSP	Rx sèrie	Sortida de Telemetria	Entrada de Sensor	Perifèrics
UART2	115200		Deshabilitat AUTO	Deshabilitat AUTO	Deshabilitat AUTO

Analog

Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200		Disabled AUTO	Disabled AUTO	VTX (IRC Tran AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO



LED/BUZZER



CAM