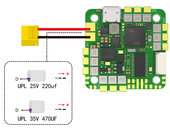
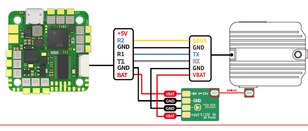
iFlight BLITZ Whoop F7 AIO Wiring Diagram

⚠ Caution

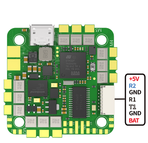


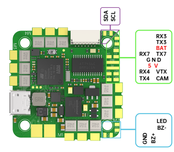
- This is a tiny high power AIO board! It's neccesary to add a low ESR capacitor on your battery pads or battery lead! There's a choice of capacitors already in the package.
- 4s motors usually need 25v/220uF and up,for bigger and more aggressive 6s motors use at least 35v/470uF.It'snecessary to protect the hardware from motor generated back emf and voltage spikes.



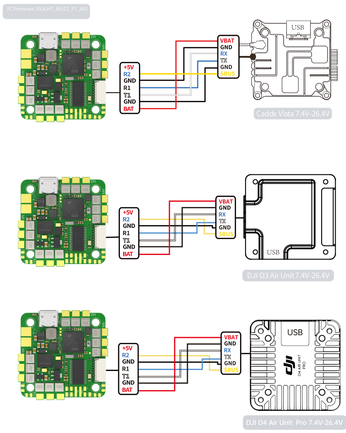
- The DJI Plug&Play connector has a VBAT pitsthrough! Please remember, the DJI Air Unit can just handle voltage up to 4S! To fly up to 6S batteries, please use an additional BEC (Voltage regulator).

Pad definition





DJI Digital transmitters



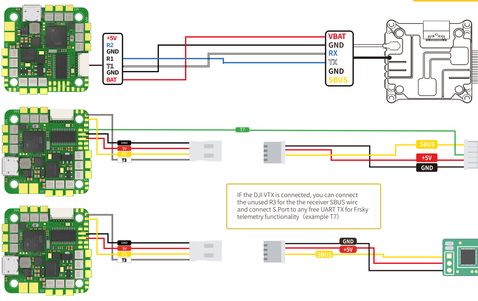
Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	
UART2	115200	
UART3	115200	
UART4	115200	
UART6	115200	
UART7	115200	
UART8	115200	

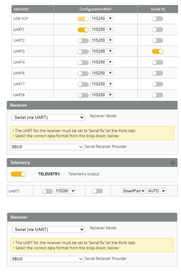
Receiver: Serial (via UART) — Receiver Mode
• The UART for the receiver must be set to 'Serial Rx' (in the Ports tab)
• Select the correct data format from the drop-down, below.
SBUS — Serial Receiver Provider

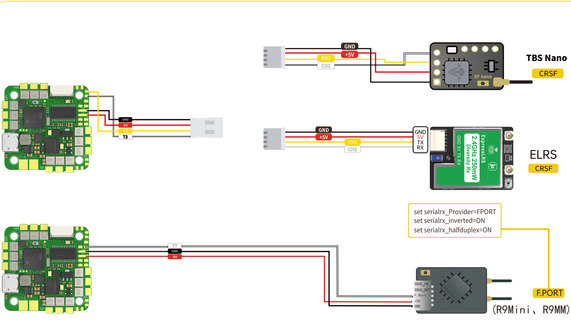
- Please check your protocols, otherwise your DJI Radio won' t input signals!
DJI Goggle protocol and Betaflight protocol has to match!
For lower signal latency use the SBUS_BAUD_FAST protocol option on both ends.
For Betaflight Copy/Paste "set sbus_baud_fast=on" into your Beatafight Configurator CLI then hit enter.
Use"save" and hit enter to save the changes .
Default: sbus_baud_fast=off, Google protocol set to NORMAL

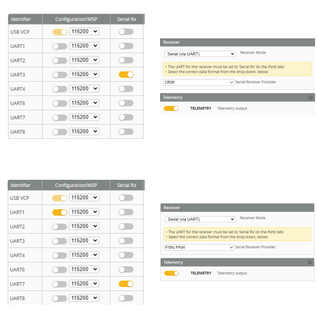
- For DJI O3 Air Unit,In to the Betoflight Configuratior Cli,
Set osd device to MSP :"set osd_displayport_device = MSP"
Specify the serial port of msp_displayport as 0(the number in this place should be the serial port number minus 1):
"set displayport_msp_serial = 0"
then type "save" and exit

Another Transmitters

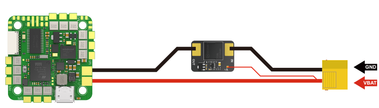




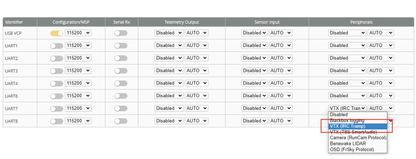


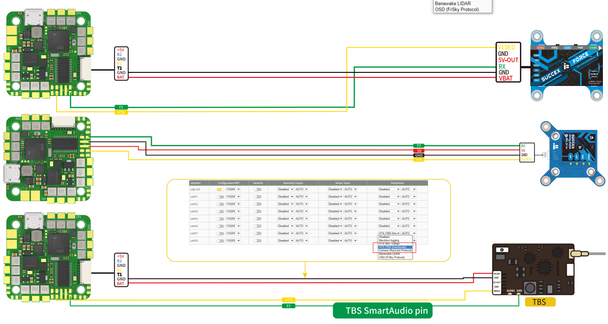


Anti-Spark filter

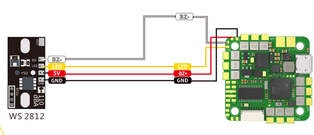


Analog VTX

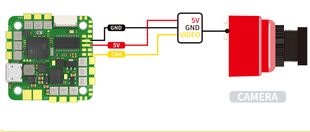




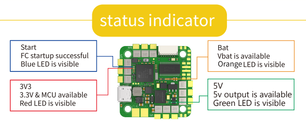
LED&Buzzer



CAM



status indicator



GPS

