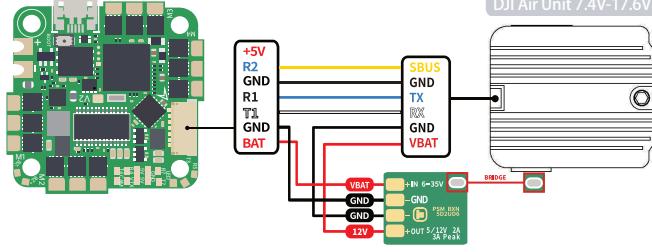


IFLIGHT BLITZ F7 55A AIO Wiring Diagram

- This is a tiny high power AIO board! It's necessary 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's necessary to protect the hardware from motor generated back emf and voltage spikes.

Caution



- The DJI Plug&Play connector has a VBAT passthrough! 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).

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-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

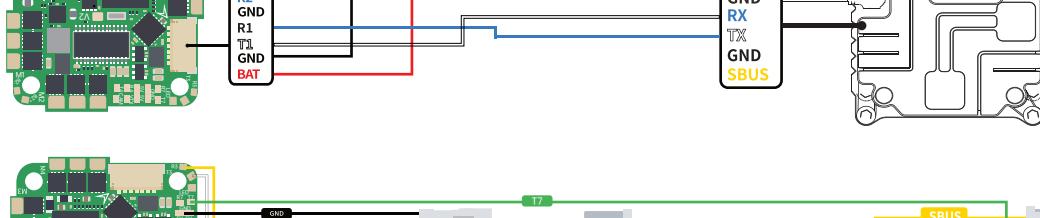
- Please check your protocols, otherwise your DJI Radio won't input signals! DJI Goggle protocol and Betaflight protocol has to match! For lower signal latency use the SBUS_BAUD_FAST protocol option on both ends.

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.

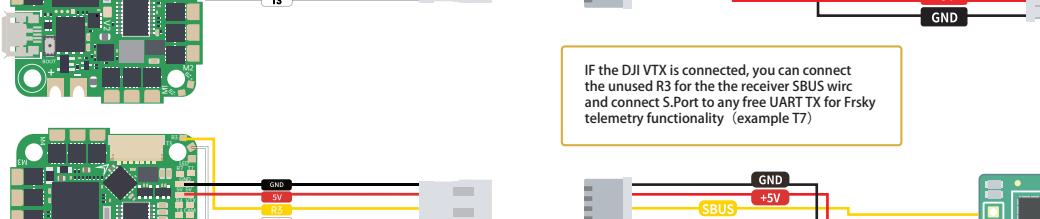
Default: sbus_baud_fast=off, Goggle protocol set to NORMAL

- 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

Use another transmitter(HD)



When not using the DJI remote controller, don't connect the SBUS and GND.



FrSKY R-XSR SBUS +S.port (R9Mini, R9MM)



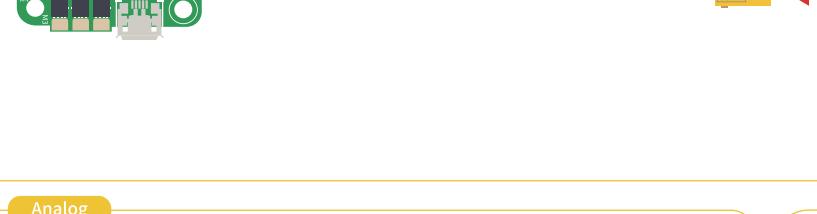
SBUS XM+

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

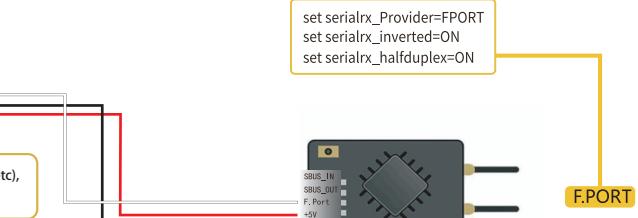
Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	
UART2	115200	
UART3	115200	
UART4	115200	
UART6	115200	
UART7	115200	
UART8	115200	

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

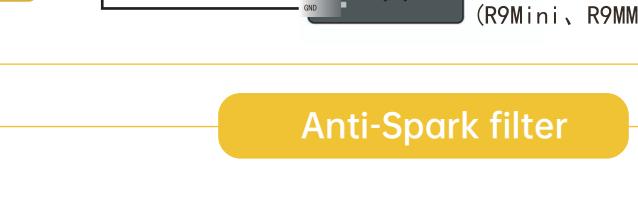
Anti-Spark filter



ELRS CRSF



TBS Nano CRSF



F.Port (R9Mini, R9MM)

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

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

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

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	Disabled AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART4	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART6	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART7	115200		Disabled AUTO	Disabled AUTO	VTX (IRC Tran AUTO)
UART8	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO

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	Disabled AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART4	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART6	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART7	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART8	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO

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	Disabled AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART4	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART6	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART7	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART8	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO

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	Disabled AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	Disabled