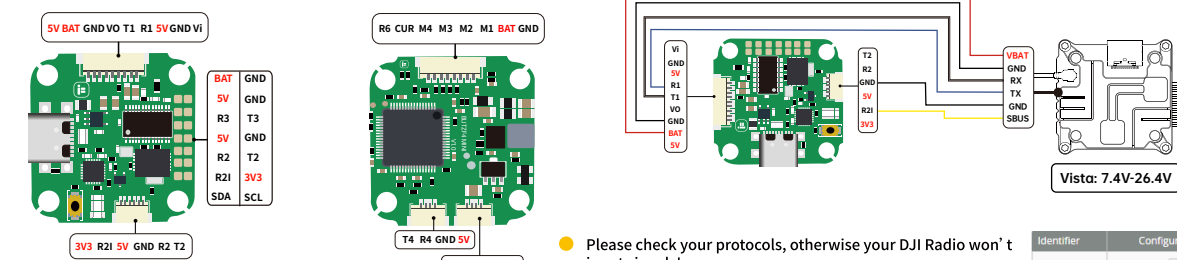


iFlight BLITZ MINI F4 Wiring Diagram

DJI Digital VTX + Radio



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

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

Receiver

Serial (via UART)

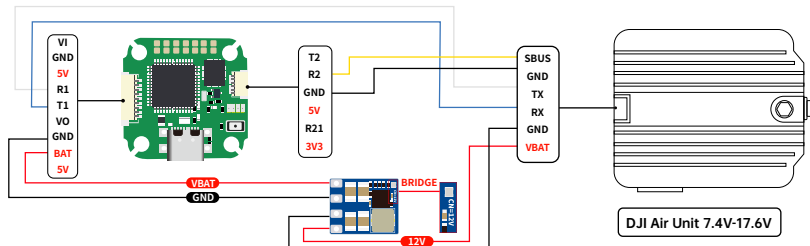
Receiver Mode

The UART for the receiver must be set as Serial Rx in the Ports tab.

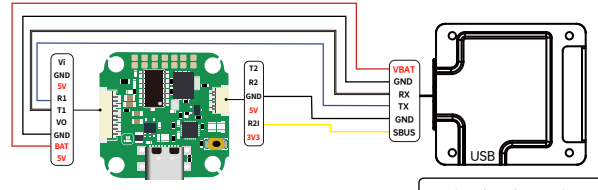
Select the correct data format from the drop-down, below.

SEUS

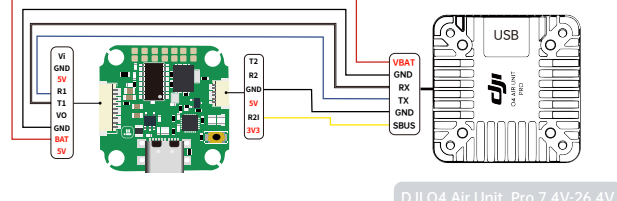
Select Receiver Provider



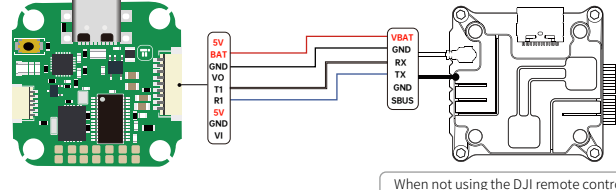
- The DJI Plug&Play connector has a VBAT passthrough! Please remember, the DJI Air Unit can just handle voltage up to 4S! To fly up to 6S batteries, please use an additional BEC (Voltage regulator).



- For DJI O3 Air Unit, DJI O4 Air Unit Pro, 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

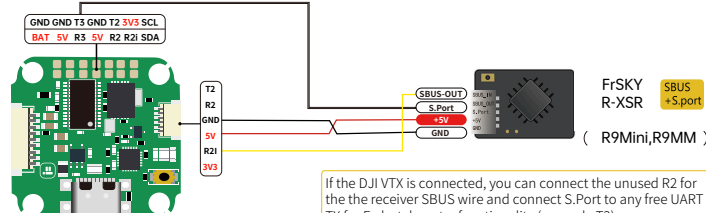


Various Receivers

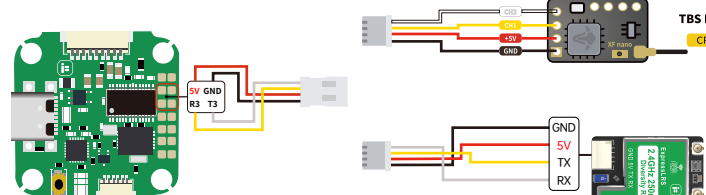
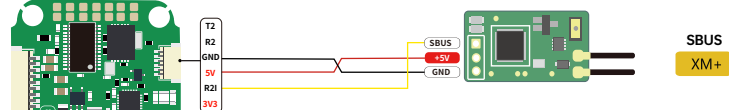


When not using the DJI remote control,
don't connect the SBUS and GND

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



If the DJI VTX is connected, you can connect the unused R2 for the the receiver SBUS wire and connect S.Port to any free UART TX for Frsky telemetry functionality (example T3).



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

Telemetry

TELEMETRY

Telemetry output

Identifier	Configurations/MSP	Serial Rx	Telemetry Output
USB VCP	115500		Disabled / AUTO
UART1	115200		Disabled / AUTO
UART2	115200		Disabled / AUTO
UART3	115200		SmartPort / AUTO
UART4	115200		Disabled / AUTO
UART6	115200		Disabled / AUTO

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.

CRCF ✓ Serial Receiver Provider

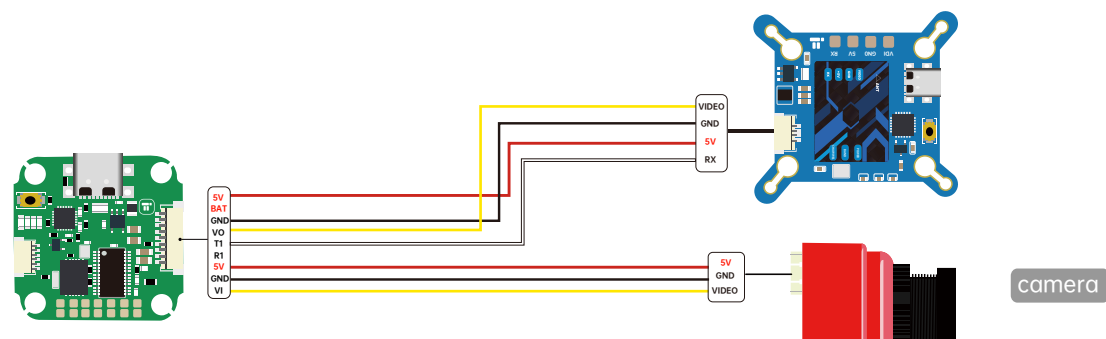
Telemetry

☐ TELEMETRY Telemetry output

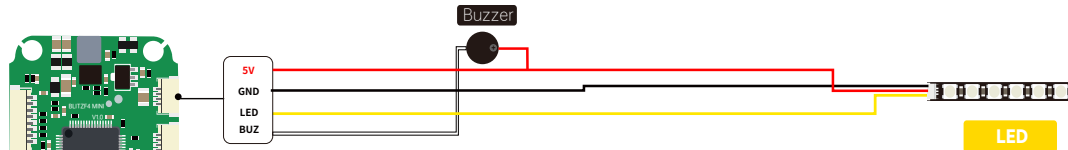
Receiver	Configuration/SIO	Serial Bx	Telemetry Output
USB VCP	☒ 115250	☐ Disabled	AUTO ▼
UART1	☐ 115250	☐ Disabled	AUTO ▼
UART2	☐ 115250	☐ Disabled	AUTO ▼
UART3	☐ 115250	☒	Disabled ▲ AUTO ▼
UART4	☐ 115250	☐ Disabled	AUTO ▼
UART5	☐ 115250	☐ Disabled	AUTO ▼

VTX/CAM

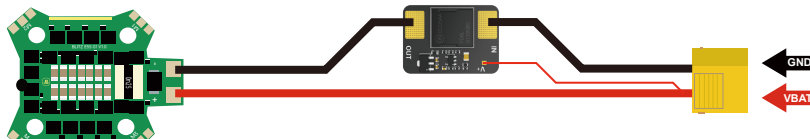
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	 115200		Disabled  AUTO 	Disabled  AUTO 	Disabled  AUTO 
UART1	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART2	 115200		Disabled  AUTO 	Disabled  AUTO 	Disabled  AUTO 
UART3	 115200		Disabled  AUTO 	Disabled  AUTO 	Disabled  AUTO 
UART4	 115200		Disabled  AUTO 	Disabled  AUTO 	Disabled  AUTO 
UART6	 115200		Disabled  AUTO 	Disabled  AUTO 	Disabled  AUTO 



LED/Buzzer



Anti-Spark filter



Esc

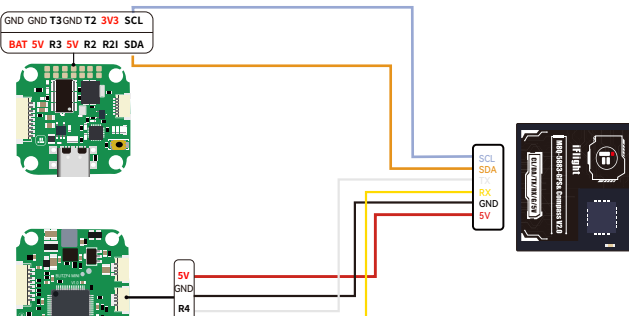


Note: If not using iFlight electronics, please make sure the plug pinout is identical or the wire harness needs to be reordered

GPS

Identifier	Configuration/IDP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	1155200	☐	Disabled AUTO ▾	Disabled AUTO ▾	Disabled AUTO ▾
UART1	1155200	☐	Disabled AUTO ▾	Disabled AUTO ▾	Disabled AUTO ▾
UART2	1155200	☐	Disabled AUTO ▾	Disabled AUTO ▾	Disabled AUTO ▾
UART3	1155200	☐	Disabled AUTO ▾	Disabled AUTO ▾	Disabled AUTO ▾
UART4	1155200	☐	Disabled AUTO ▾	GPS 115200 ▾	Disabled AUTO ▾

SDA/SCI pads cannot be remapped to LIARTs



GPS

☒

GPS

GPS for navigation and telemetry

Note: Remember to configure a Serial Port (via Ports tab) when using GPS feature.

UBLOX

▼

Protocol

☒

Auto Baud

☒

Auto Config

☒

Use Galileo

☐

Set Home Point Once

Status indicator

