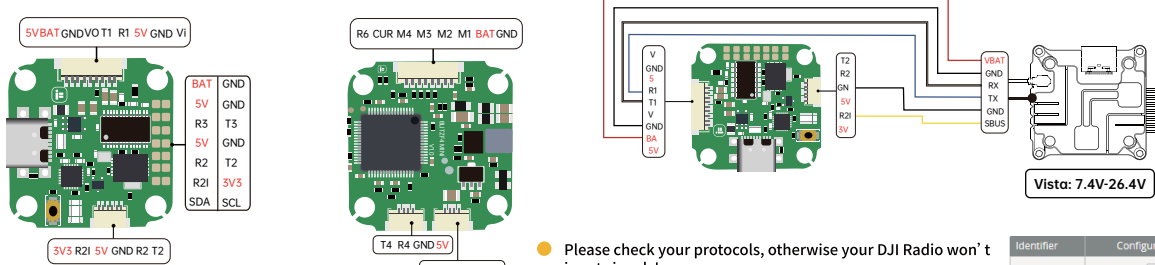


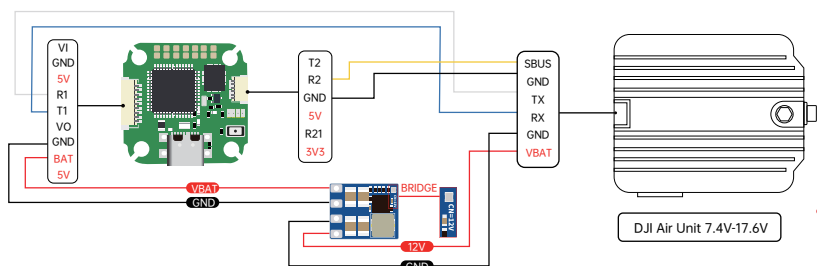
# iFlight BLITZ MINI F4 Wiring Diagram

## DJI Digital VTX + Radio

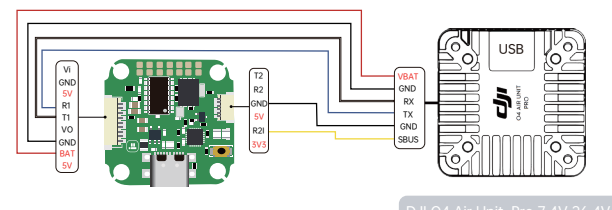
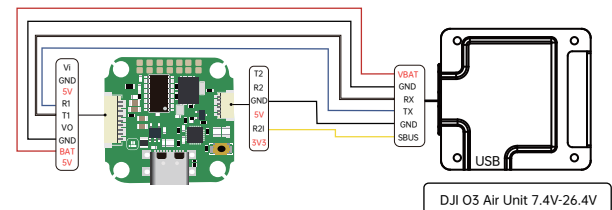


● Please check your protocols, otherwise your DJI Radio won't input signals!  
 DJI Goggle protocol and Betaflight protocol has to match!  
 For lower signal latency use the SBUS\_BAUD\_FAST protocol on both ends.  
 For Betaflight Copy/Paste "set sbus\_baud\_fast=on" into your Betaflight Configurator CLI then hit enter.  
 Use "save" and hit enter to save the changes.  
 Default: sbus\_baud\_fast=off, Goggle protocol set to NORMAL

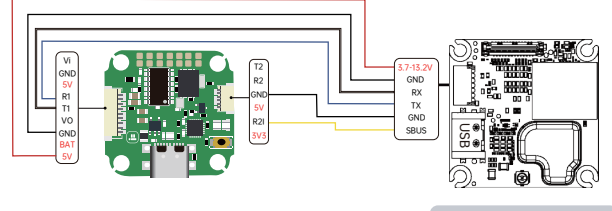
Identifier	Configuration/MSP	Serial Rx
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART1	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART2	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART6	<input type="checkbox"/> 115200	<input type="checkbox"/>



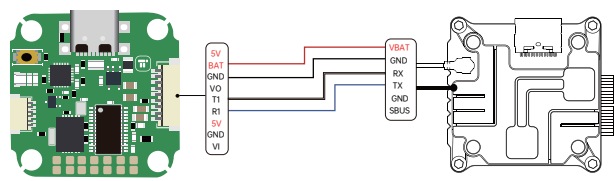
● The DJI Plug&Play connector has a VBAT passthrough! Please remember, the DJI Air Unit can just handle voltage up to 4S! To fly up to 6S batteries, please use an additional BEC (Voltage regulator).



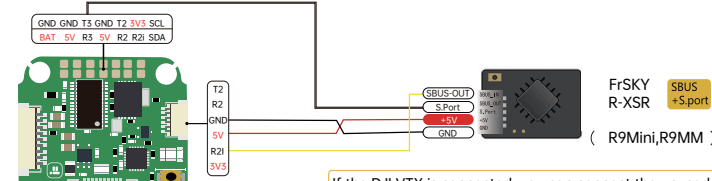
● For DJI O3 Air Unit, DJI O4 Air Unit Pro, In to the Betaflight Configurator CLI, Set osd device to MSP: "set osd\_displayport = MSP" Specify the serial port of msp\_displayport as 0 (the number in this place should be the serial port number minus 1): "set displayport\_msp\_serial = 0" then type "save" and exit



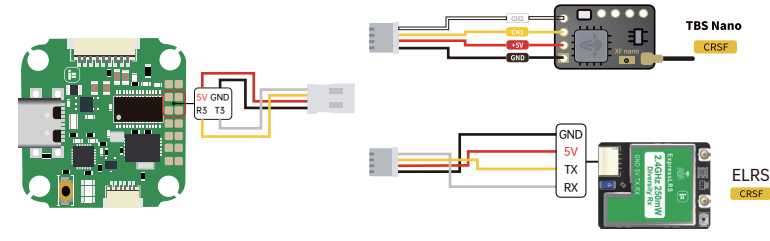
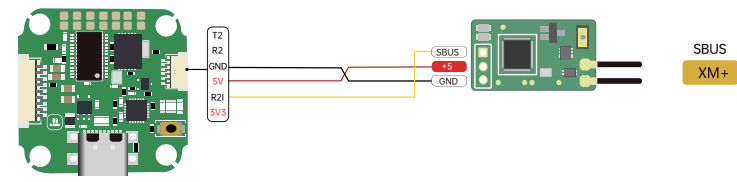
## Various Receivers



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



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



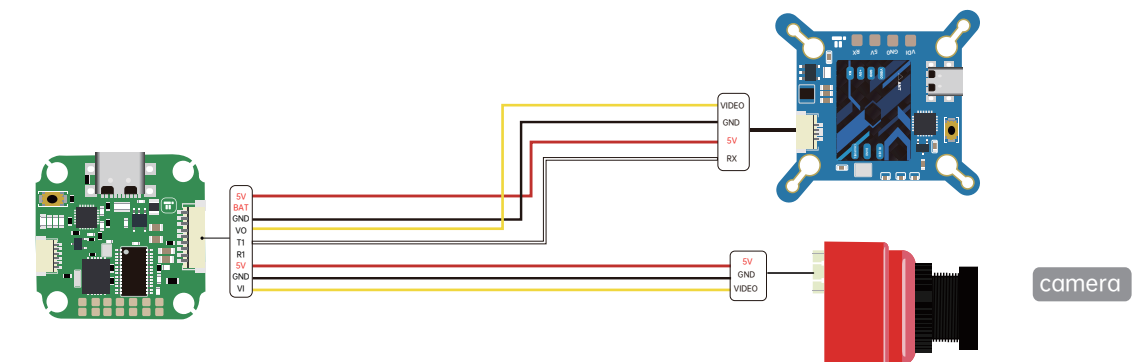
Identifier	Configuration/MSP	Serial Rx
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART1	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART2	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART6	<input type="checkbox"/> 115200	<input type="checkbox"/>

Identifier	Configuration/MSP	Serial Rx	Telemetry Output
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO
UART1	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO
UART2	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>	Disabled / AUTO
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>	SmartPort / AUTO
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO
UART6	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO

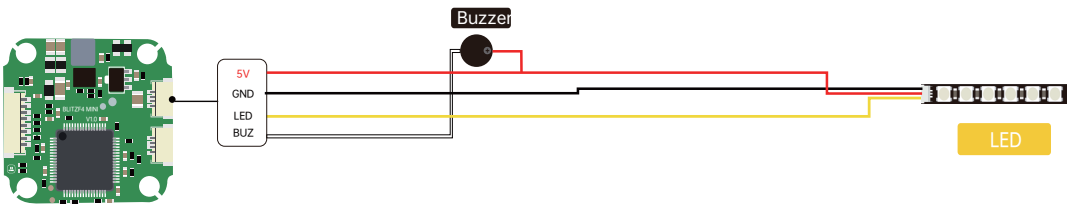
Identifier	Configuration/MSP	Serial Rx	Telemetry Output
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO
UART1	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO
UART2	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO
UART3	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>	Disabled / AUTO
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO
UART5	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO
UART6	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO

## VTX/CAM

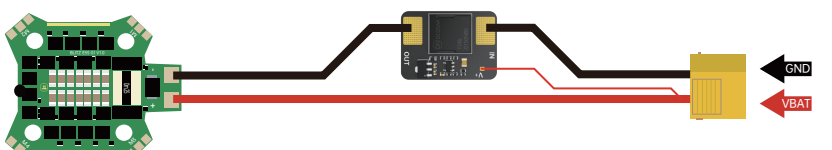
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART1	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART2	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART6	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO



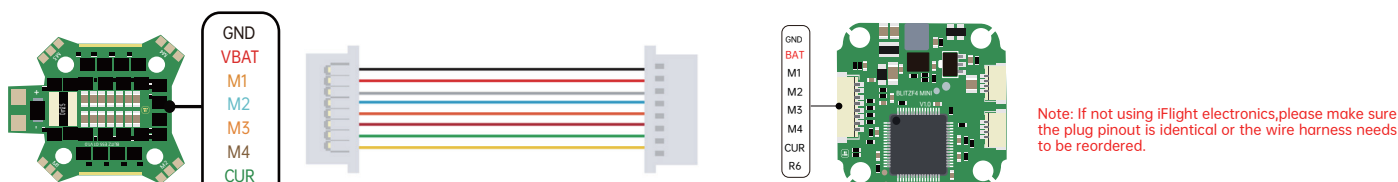
## LED/Buzzer



## Anti-Spark filter



## Esc

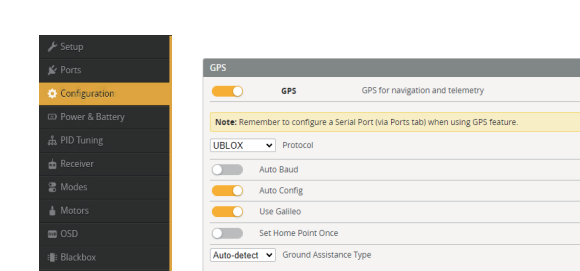
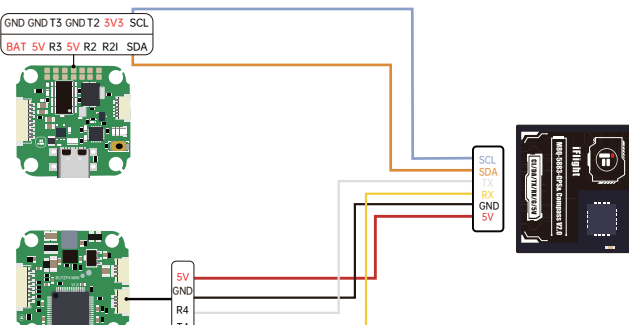


Note: If not using iFlight electronics, please make sure the plug pinout is identical or the wire harness needs to be reordered.

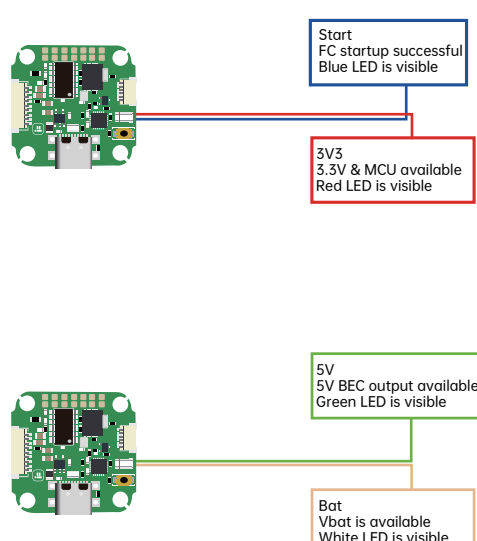
## GPS

Identifier	Configuration/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	Disabled / AUTO
UART2	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART6	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO

SDA/SCL pads cannot be remapped to UARTs



## Status indicator



Note: Each LED indicates the status of your flight controller.