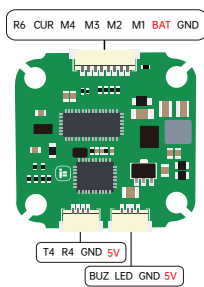
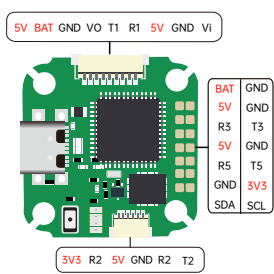


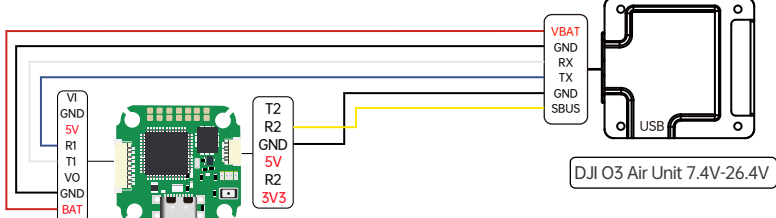
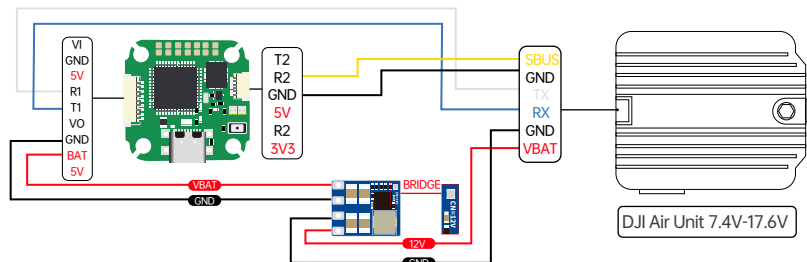
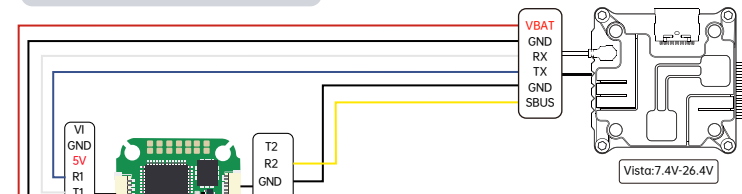
# iFlight BLITZ MINI F722 Wiring Diagram



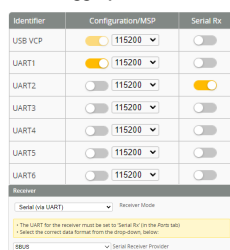
## DJI Digital Transmitters

Firmware Target:IFRC-IFLIGHT BLITZ F722

FC plug&play port and setup compatible to DJI Air Unit and Caddx Vista



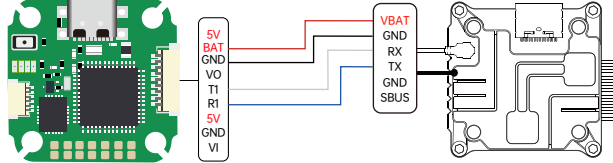
Please check your protocols, otherwise your DJI Radio won't input signals!  
DJI Goggle protocol and Betaflight protocol has to match!  
For lower signal latency use the SBus \_BAUD\_FAST protocol option on both ends.  
For Betaflight Copy/Paste "set sbus\_baud\_fast=on" into your Betaflight Configurator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



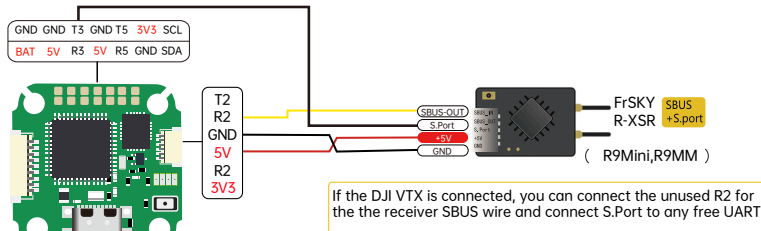
The DJI Plug&Play connector has a VBAT passthrough! Please remember, the DJI Air Unit can just handle voltage up to 4S! To fly up to 6S batteries, please use an additional BEC (Voltage regulator).

For DJI O3 Air Unit, 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

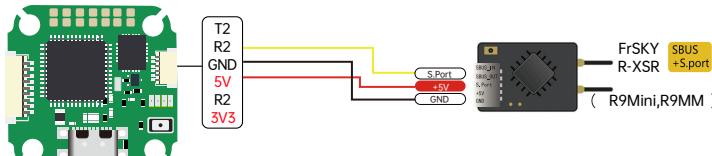
## Any other Receiver



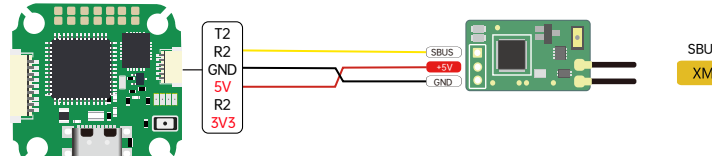
When not using the DJI remote control, don't connect the SBus and GND



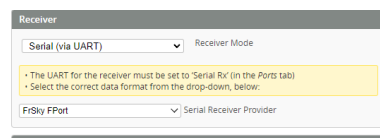
If the DJI VTX is connected, you can connect the unused R2 for the receiver SBus wire and connect S-Port to any free UART



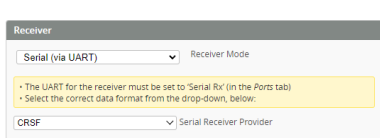
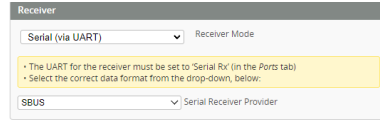
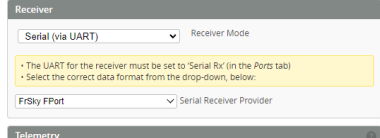
set serialrx\_provider=FPORT  
set serialrx\_inverted=ON  
set serialrx\_halfduplex=ON



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 type="checkbox"/>
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART5	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART6	<input type="checkbox"/> 115200	<input type="checkbox"/>

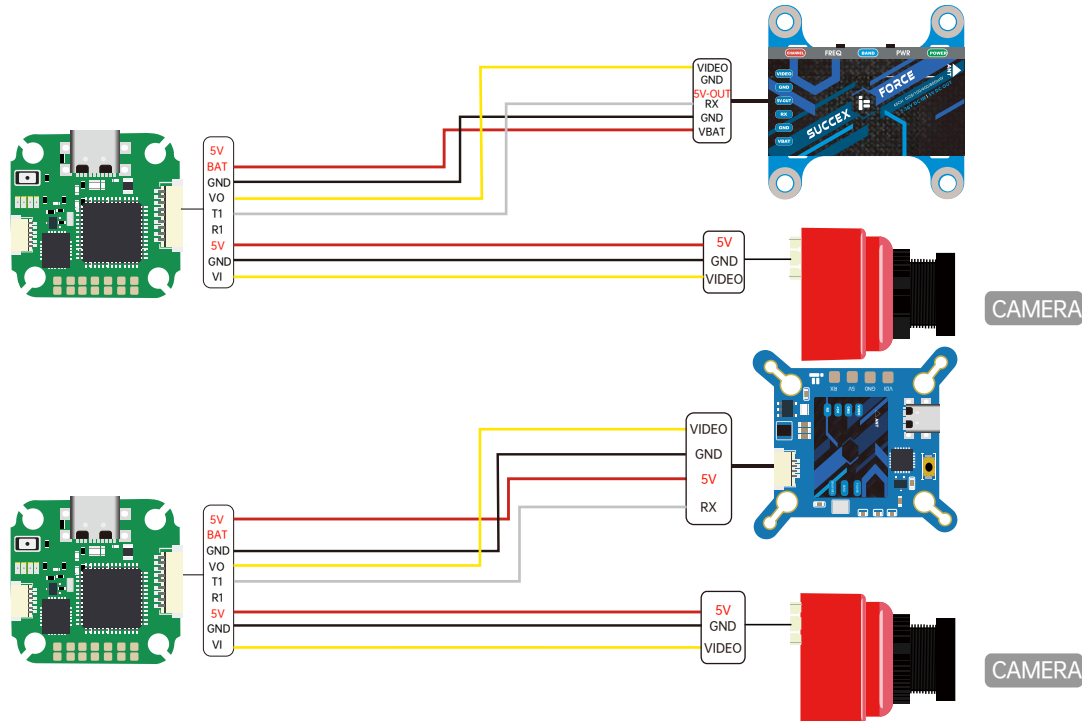


Identifier	Configuration/MSP	Serial Rx	Telemetry Output
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO
UART1	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO
UART2	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>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

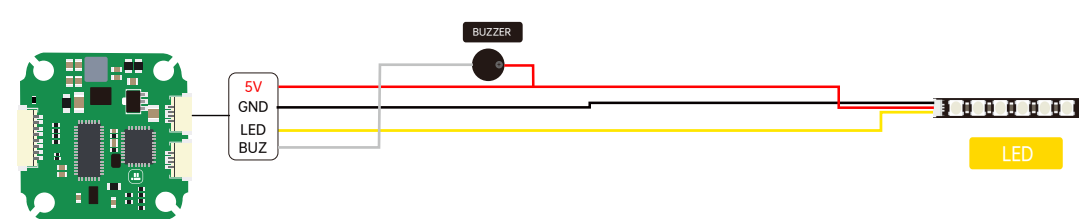


## VTX/CAM

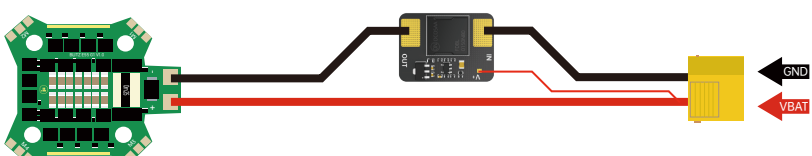
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART1	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	VTX (IRC Tran) / AUTO
UART2	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	VTX (IRC Tran) / AUTO
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	VTX (IRC Tran) / AUTO
UART5	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	VTX (IRC Tran) / AUTO
UART6	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	VTX (IRC Tran) / AUTO



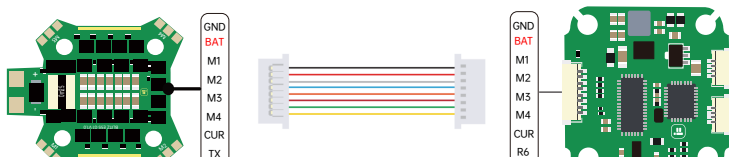
## LED/BUZZER



## Anti-Spark filter



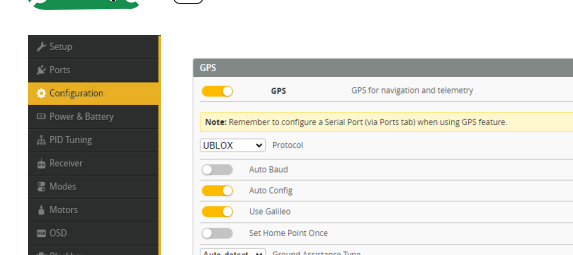
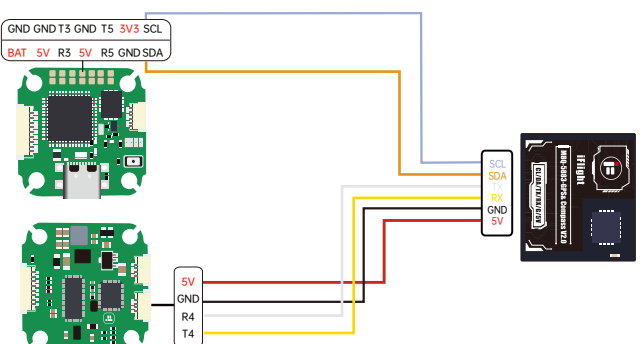
## ESC



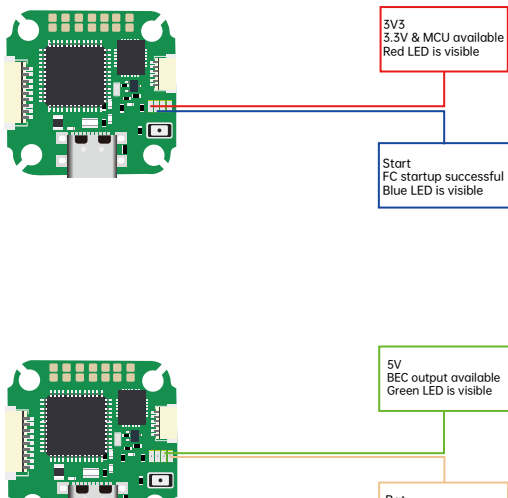
## GPS

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
UART2	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled
UART5	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled
UART6	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled

SDA/SCL pads cannot be remapped to UARTs



## Status indicator



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