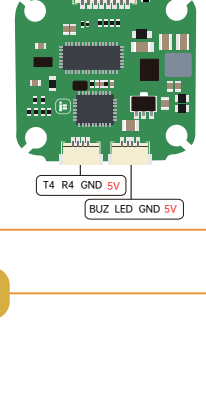
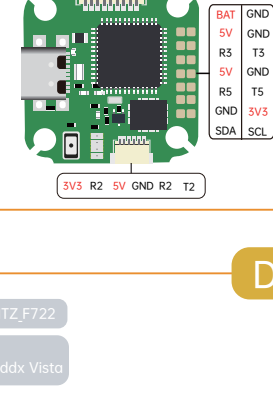


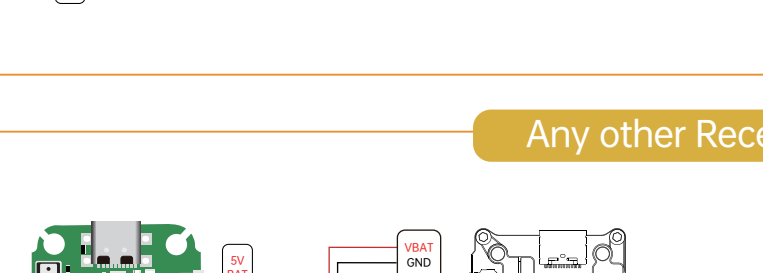
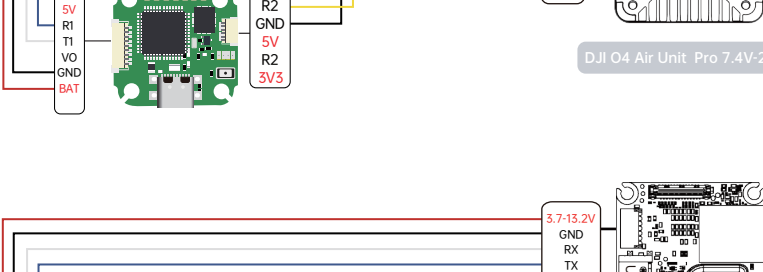
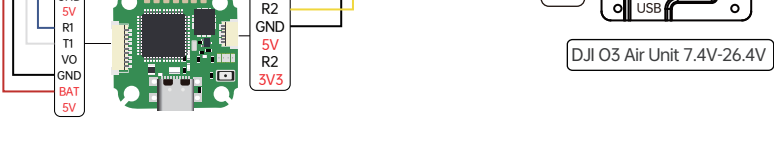
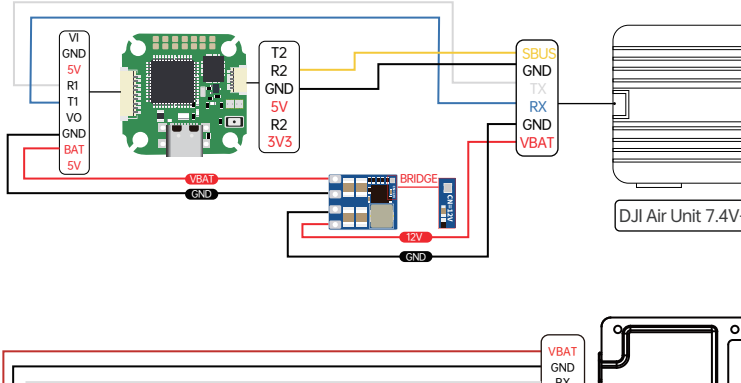
iFlight BLITZ MINI F722 Wiring Diagram



DJI Digital Transmitters

Firmware Target:IFRC-IFLIGHT-BLITZ-F722

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



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

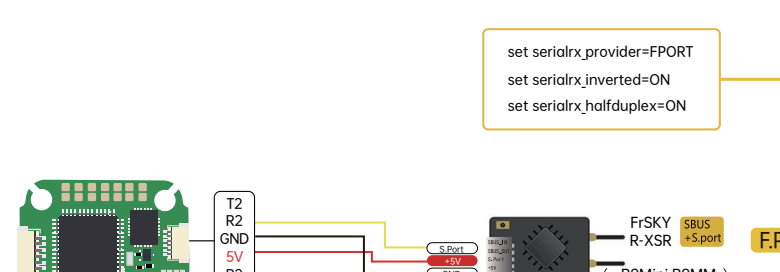
For DJI O3 Air Unit, in the Betaflight Configurator CLI, set osd device to MSP: "set osd_displayport_device = MSP" Specify the serial port of msp_displayport as 0 (the number in this place should be the serial port number minus 1): "set displayport_msp_serial = 0" then type "save" and exit

Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	
UART2	115200	
UART3	115200	
UART4	115200	
UART5	115200	
UART6	115200	

Any other Receiver

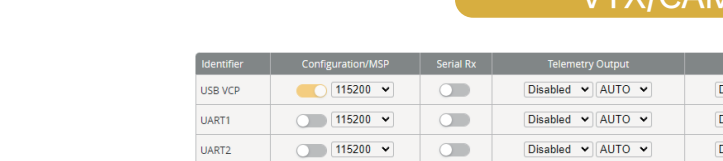
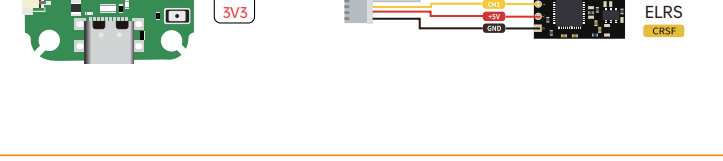
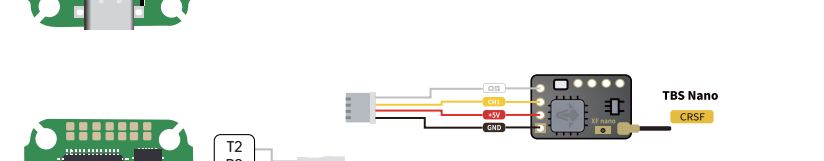


When not using the DJI remote control, don't connect the SBUS and GND



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	115200	
UART1	115200	
UART2	115200	
UART3	115200	
UART4	115200	
UART5	115200	
UART6	115200	

Receiver	Serial (via UART1)	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.		
FrSky FPort	Serial Receiver Provider	

Telemetry	TELEMETRY	Telemetry output
Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	
UART2	115200	
UART3	115200	
UART4	115200	
UART5	115200	
UART6	115200	

Receiver	Serial (via UART1)	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.		
FrSky FPort	Serial Receiver Provider	

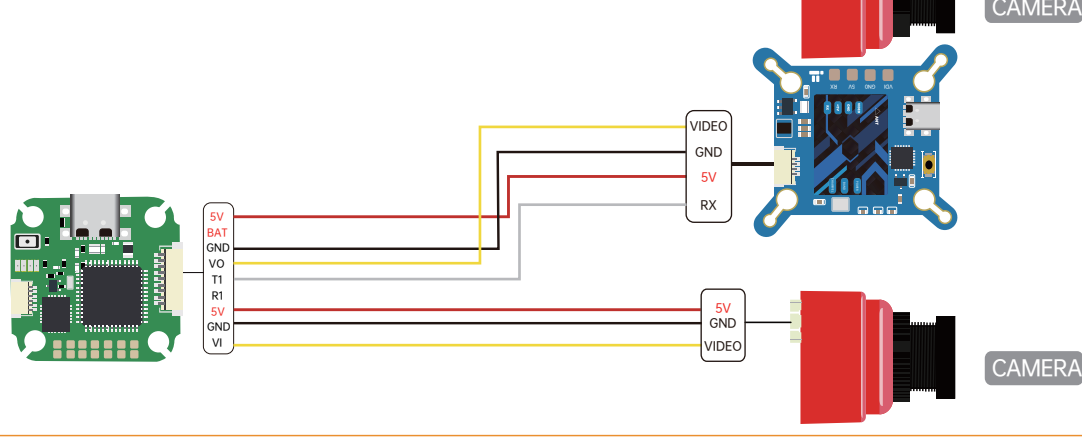
Telemetry	TELEMETRY	Telemetry output
Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	
UART2	115200	
UART3	115200	
UART4	115200	
UART5	115200	
UART6	115200	

Receiver	Serial (via UART1)	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.		
CRSF	Serial Receiver Provider	

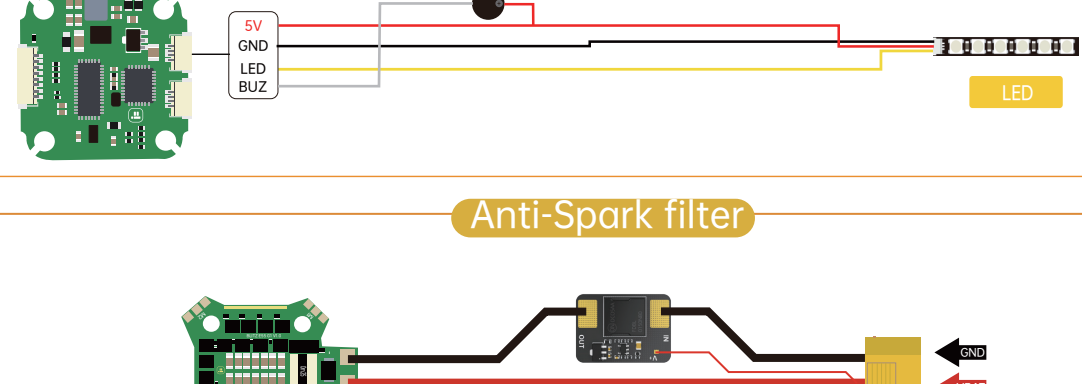
Telemetry	TELEMETRY	Telemetry output
Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	
UART2	115200	
UART3	115200	
UART4	115200	
UART5	115200	
UART6	115200	

VTX/CAM

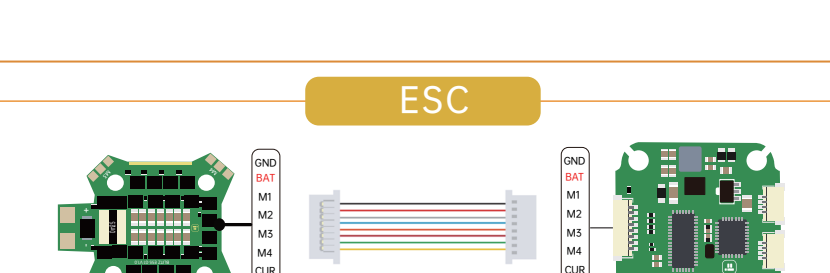
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200		Disabled	Disabled	Disabled
UART1	115200		Disabled	Disabled	Disabled
UART2	115200		Disabled	Disabled	Disabled
UART3	115200		Disabled	Disabled	Disabled
UART4	115200		Disabled	Disabled	Disabled
UART5	115200		Disabled	Disabled	Disabled
UART6	115200		Disabled	Disabled	Disabled



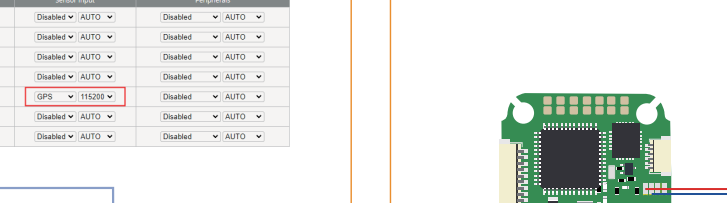
LED/BUZZER



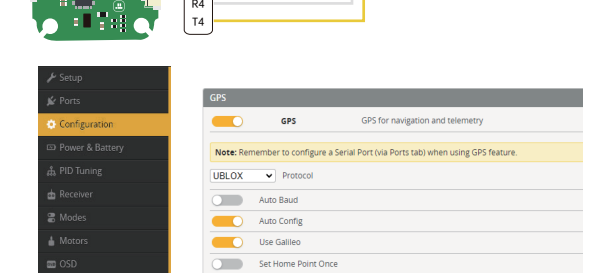
Anti-Spark filter



ESC

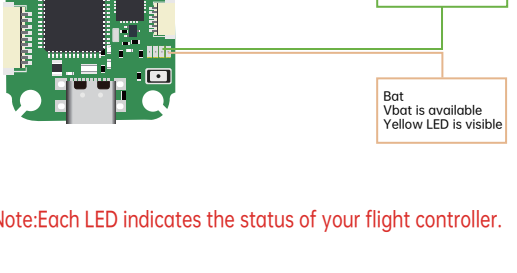


GPS



Setup	Ports	Configuration	Power & Battery	PID Tuning	Receiver	Motors	OSD	Blackbox	CLI
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Status indicator



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