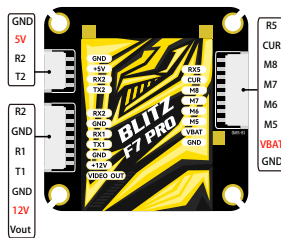
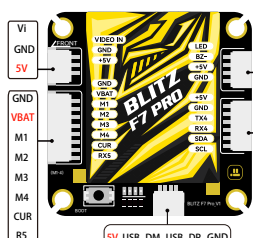
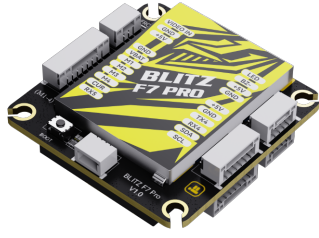


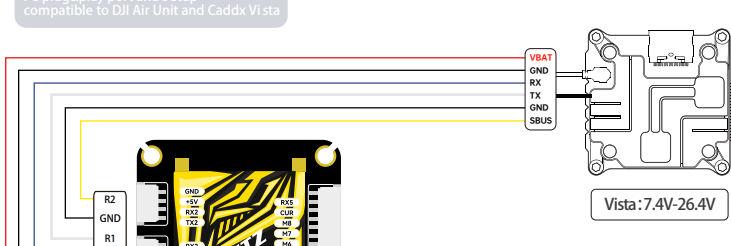
iFlight BLITZ F722 Pro Wiring Diagram



DJI Digital Transmitters

Firmware: Target iFLIGHT_BLITZ_F7_Pro

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



- Please check your protocols, otherwise your DJI remote 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

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

Receiver

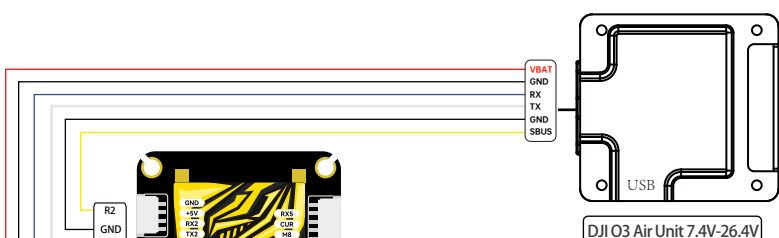
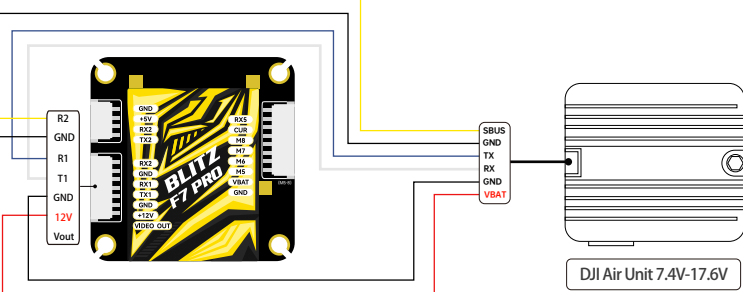
Serial (via UART) Receiver Mode

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:

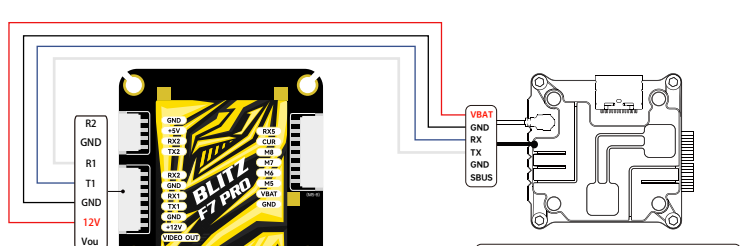
SBUS Serial Receiver Provider

The iFlight BLITZ F722 Pro has a built-in 12v BEC(Voltage regulator). DJI Air Unit's VBAT should connect to BLITZ F722 Pro FC's +12V port. But always remember, the DJI Air Unit can just handle voltage up to 4S!!



- 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

Any other Receiver



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

Receiver

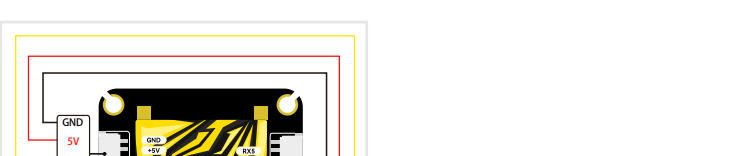
Serial (via UART) Receiver Mode

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:

CRSF Serial Receiver Provider

☒ TELEMETRY Telemetry output



Receiver

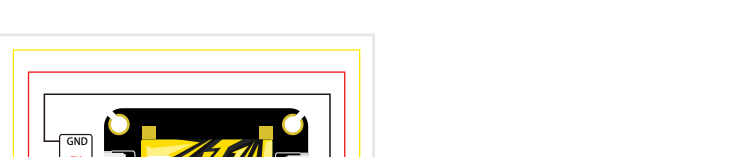
Serial (via UART) Receiver Mode

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:

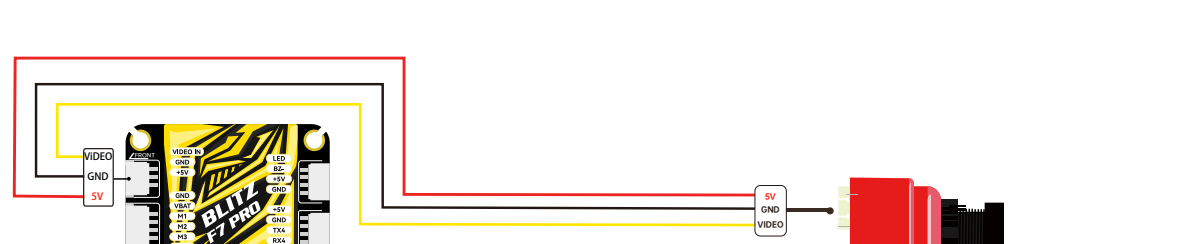
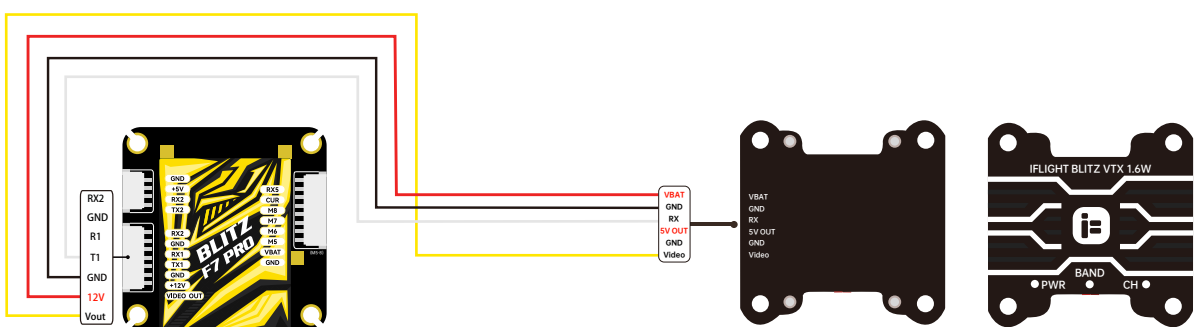
CRSF Serial Receiver Provider

☒ TELEMETRY Telemetry output

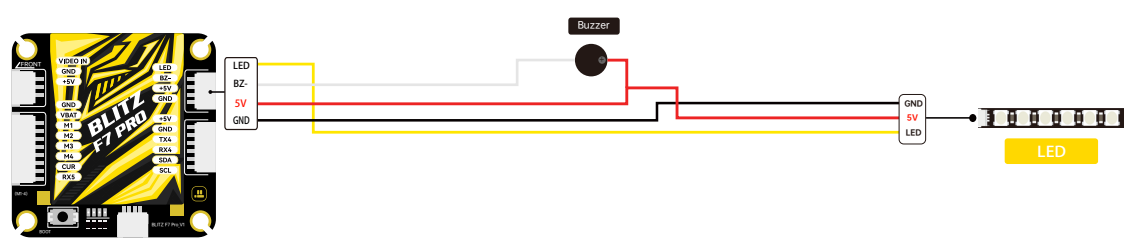


Analog VTX/CAM

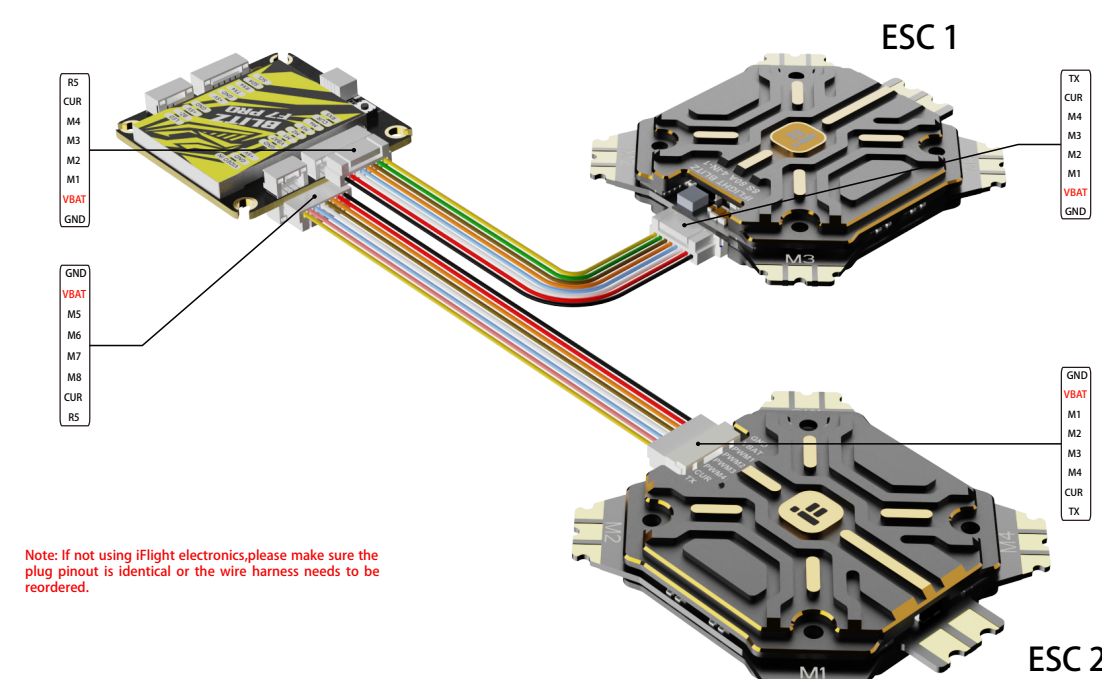
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	Disabled AUTO	VTX (IRC Tran)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



LED/BUZZER

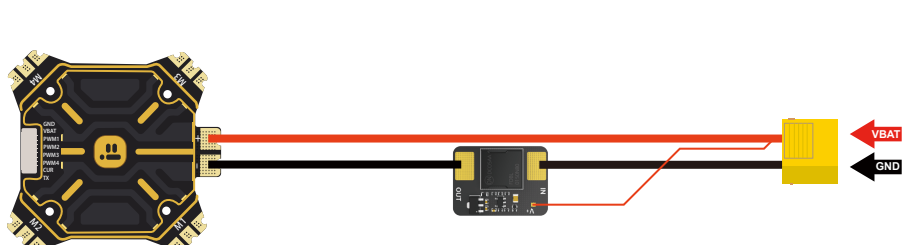


ESC



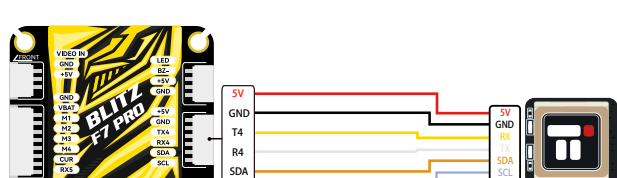
Note: If not using iFlight electronics, please make sure the plug pinout is identical or the wire harness needs to be reordered.

Anti-Spark filter



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	VTX (IRC Tran) AUTO
UART2	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	GPS 115200	Disabled AUTO
UART5	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	ESC AUTO	Disabled AUTO



GPS

GPS For navigation and telemetry

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

UBLOX Protocol

☐ Auto Baud

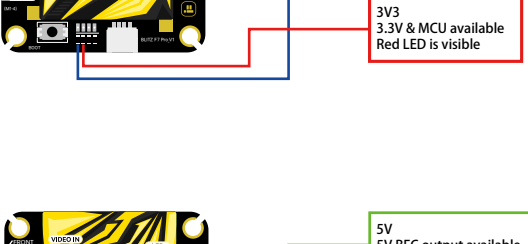
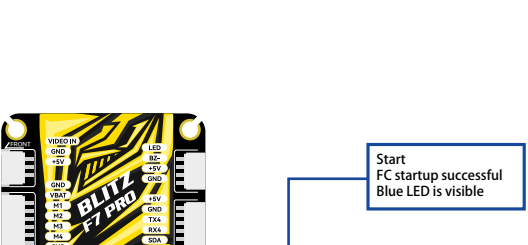
☐ Auto Config

☐ Use Gattos

☐ Set Home Point Once

☐ Auto-detect Ground Assistance Type

Status indicator



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