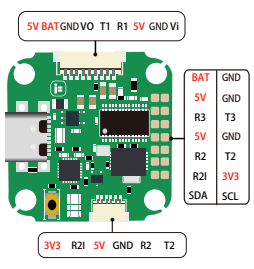
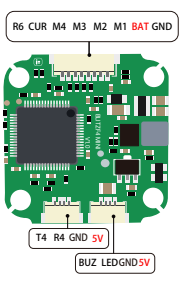
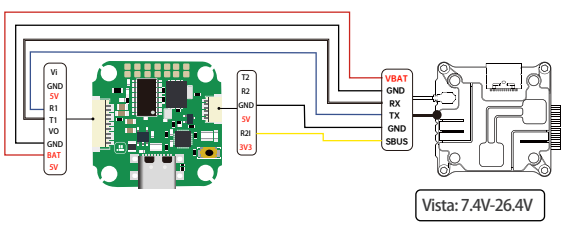
iFlight BLITZ MINI F4 Wiring Diagram

DJI Digital VTX + Radio

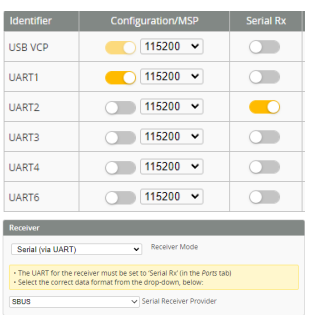


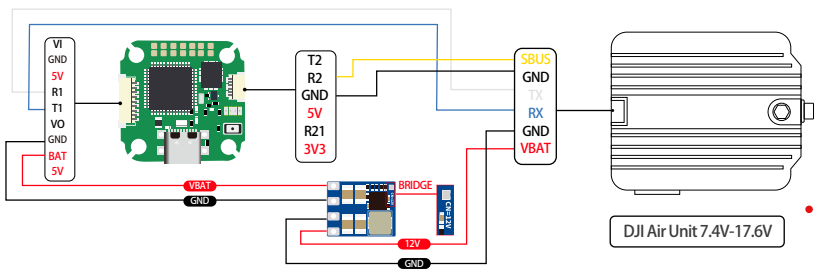




Vista: 7.4V-26.4V

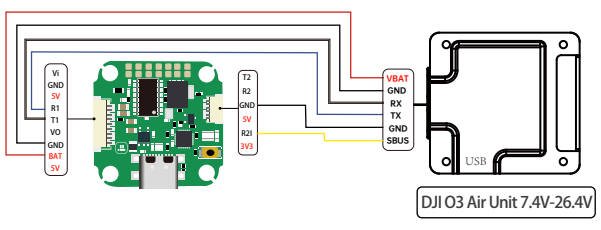
- Please check your protocols, otherwise your DJI Radio won' t input signals!
  DJI Goggle protocol and Betaflight protocol has to match!
  For lower signal latency use the SBUS_BAUD_FAST protocol option on both ends.
  For Betafllght Copy\Paste "set sbus_baud_fast=on" into your Beataflight Configurator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





DJI Air Unit 7.4V-17.6V

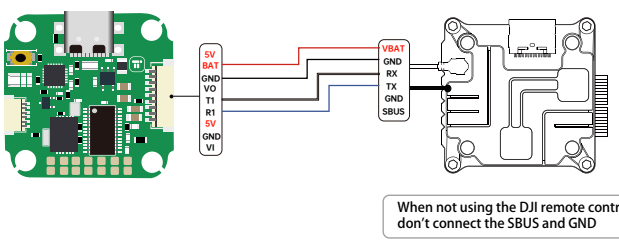
- The DJI Plug&Play connector has a VBAT passthrough! Please remember, the DJI Air Unit can just handle voltage up to 4S! To fly up to 6S batteries, please use an additional BEC (Voltage regulator).



DJI O3 Air Unit 7.4V-26.4V

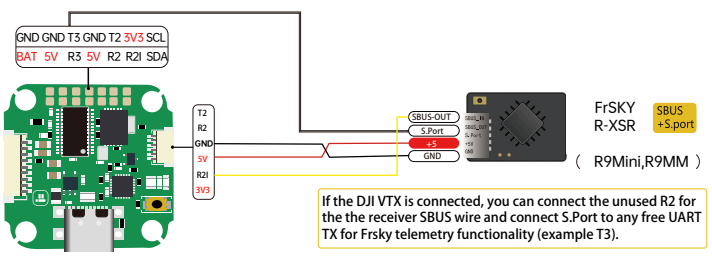
- For DJI O3 Air Unit,In to the Betaflight Configurator Cli,
  Set osd device to MSP :"set osd_displayport_device = MSP"
  Specify the serial port of msp_displayport as 0(the number in this place should be the serial port number minus 1):
  "set displayport_msp_serial = 0"
  then type "save" and exit

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	



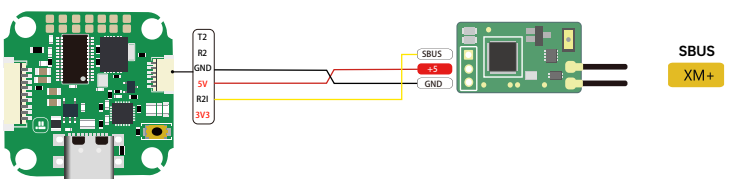
FrSKY R-XSR SBUS +S.port (R9Mini,R9MM)

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).

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

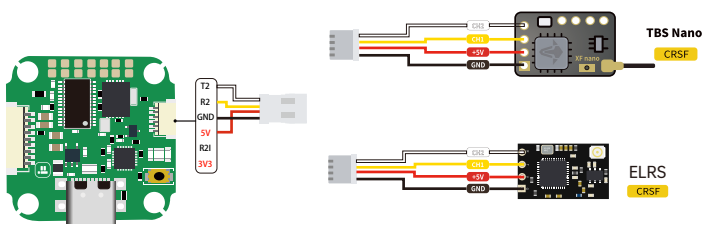
Receiver: Serial (via UART) — Receiver Mode
• The UART for the receiver must be set to 'Serial Rx' (in the Ports tab)
• Select the correct data format from the drop-down, below:
SBUS — Serial Receiver Provider

Telemetry: TELEMETRY — Telemetry output



SBUS XM+

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



TBS Nano CRSF

ELRS CRSF

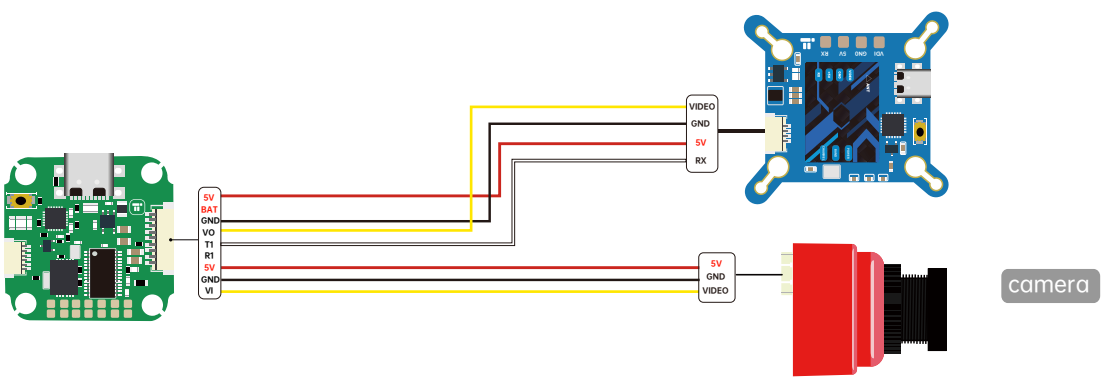
Receiver: Serial (via UART) — Receiver Mode
• The UART for the receiver must be set to 'Serial Rx' (in the Ports tab)
• Select the correct data format from the drop-down, below:
CRSF — Serial Receiver Provider

Telemetry: TELEMETRY — Telemetry output

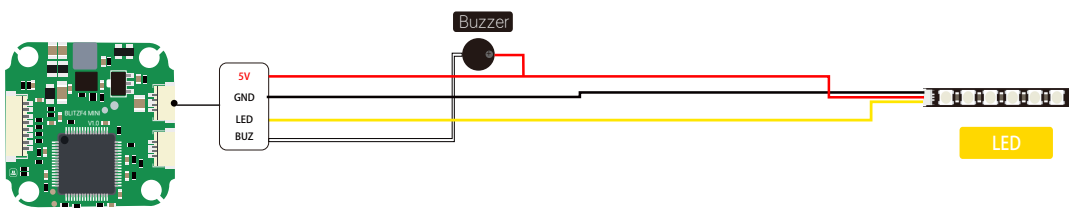
VTX/CAM

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	
UART3	115200		Disabled AUTO	Disabled AUTO	
UART4	115200		Disabled AUTO	Disabled AUTO	
UART6	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO

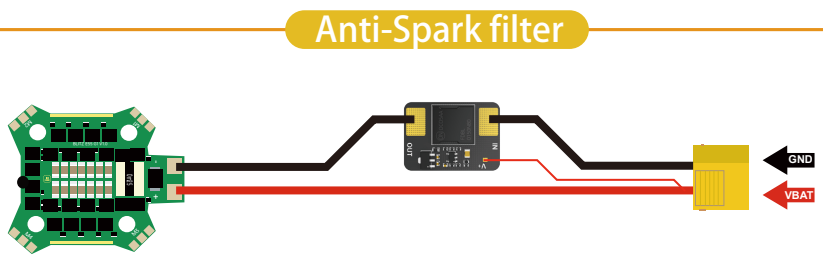
Peripherals dropdown: Disabled / Blackbox logging / VTX (IRC Tramp) / VTX (TBS SmartAudio) / Camera (RunCam Protocol) / Benewake LIDAR / OSD (FrSky Protocol)



LED/Buzzer



Anti-Spark filter



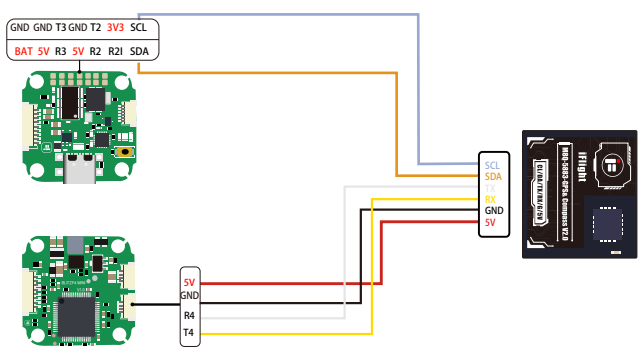
Esc

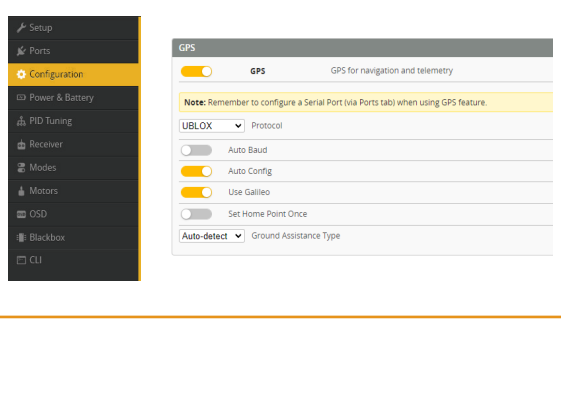
Note: If not using iFlight electronics,please make sure the plug pinout is identical or the wire harness needs to be reordered.

GPS

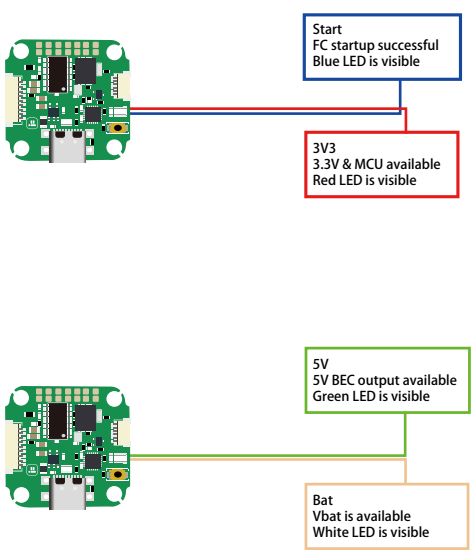
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled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