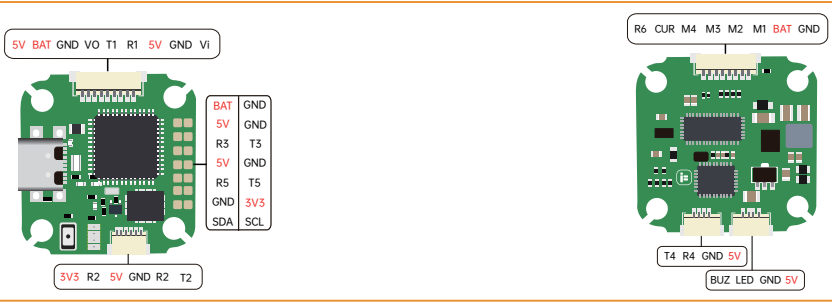
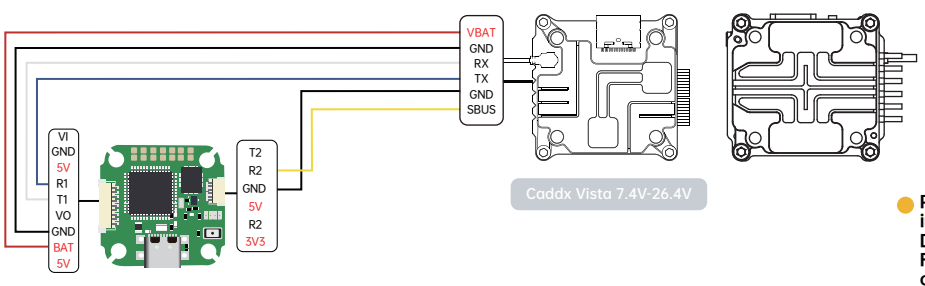
iFlight BLITZ MINI F4 Wiring Diagram



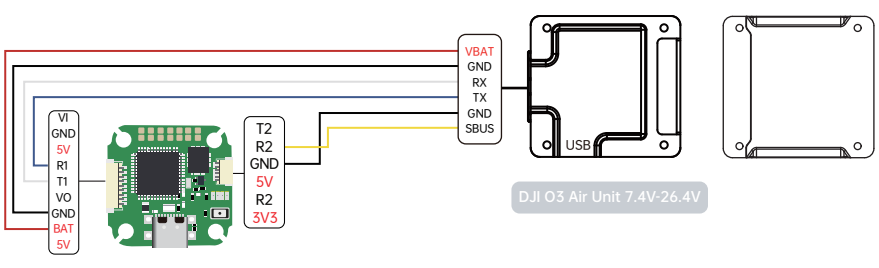
DJI Digital Transmiters

Firmware Target:IFRC-IFLIGHT_BLITZ_F722

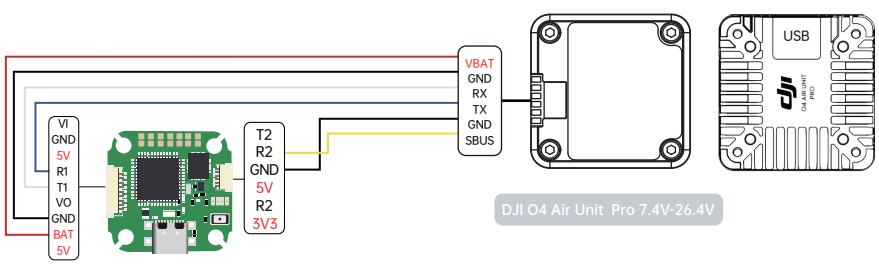
FC plug&play port and setup compatible to DJI Air Unit and Caddx Vista



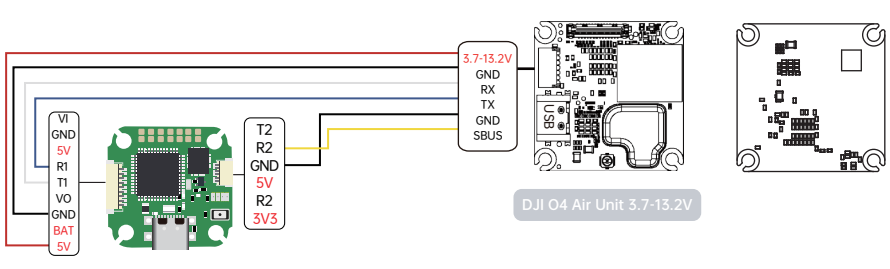
Caddx Vista 7.4V-26.4V



DJI O3 Air Unit 7.4V-26.4V

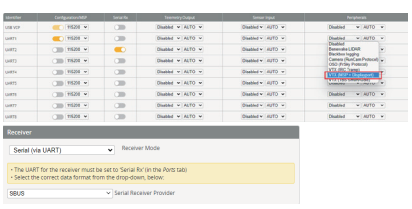


DJI O4 Air Unit Pro 7.4V-26.4V



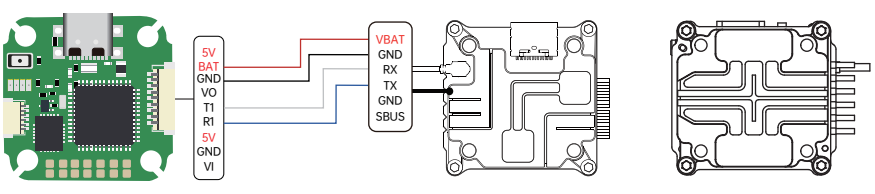
DJI O4 Air Unit 3.7-13.2V

- **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 Configuator 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).**



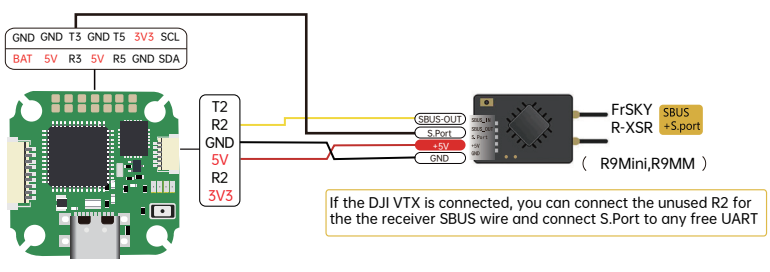
- For DJI O3 Air Unit,In to the Betaflight Configurator Cli,
  Set osd device to MSP :"set osd_displayport_device = MSP"
  Specify the serial port of msp_displayport as 0(the number in this place should be the serial port number minus 1):
  "set displayport_msp_serial = 0"
  then type "save" and exit

Others Receivers

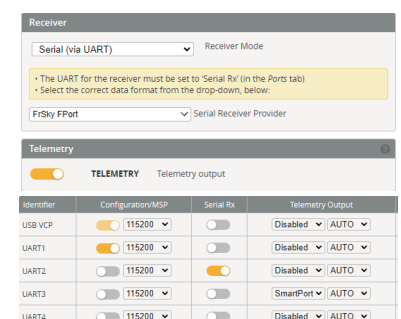


When not using the DJI remote control, don't connect the SBUS and GND

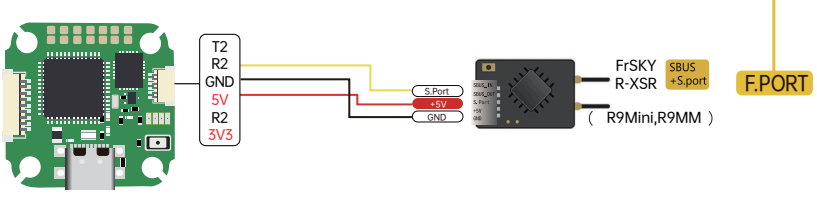
Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	
UART2	115200	
UART3	115200	
UART4	115200	
UART5	115200	
UART6	115200	

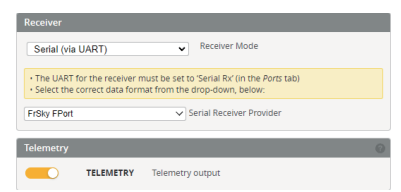


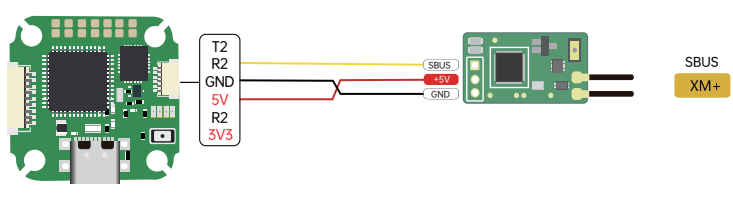
If the DJI VTX is connected, you can connect the unused R2 for the the receiver SBUS wire and connect S.Port to any free UART

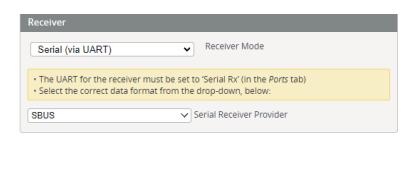


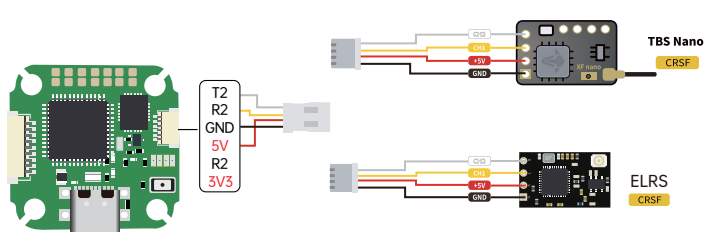
set serialrx_provider=FPORT
set serialrx_inverted=ON
set serialrx_halfduplex=ON

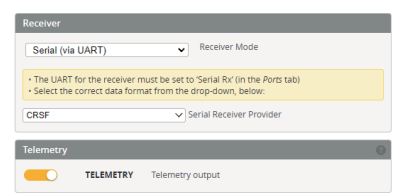








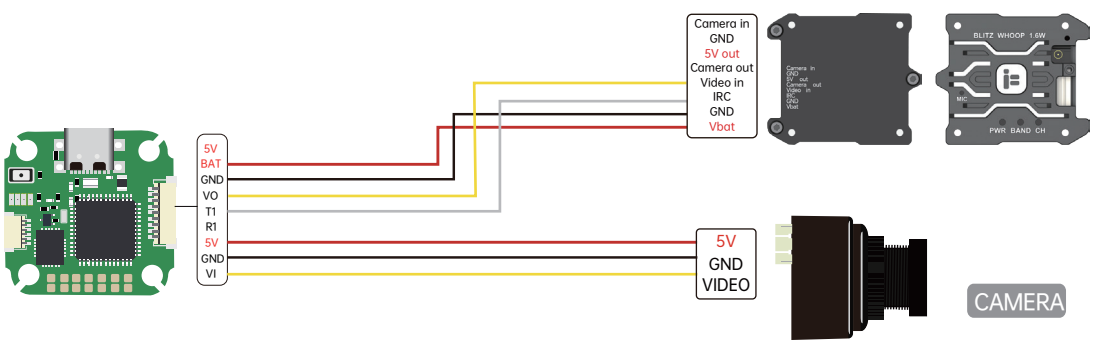


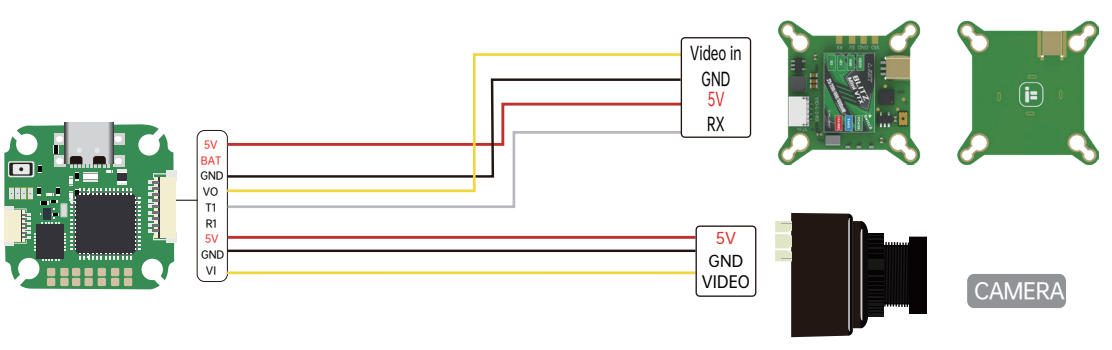


VTX/CAM

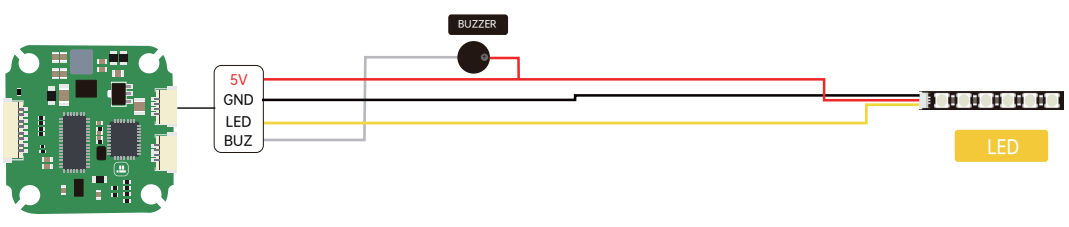
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200		Disabled AUTO	Disabled AUTO	VTX (IRC Tramp) AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	
UART3	115200		Disabled AUTO	Disabled AUTO	
UART4	115200		Disabled AUTO	Disabled AUTO	
UART5	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART6	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO

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

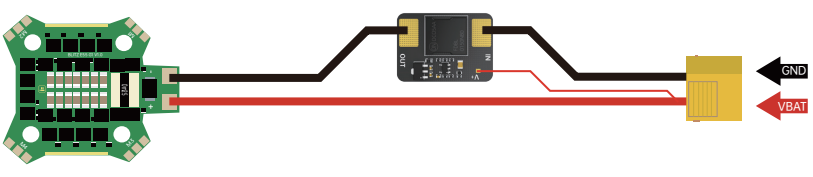




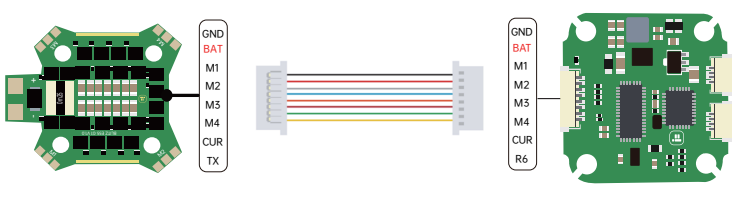
LED/BUZZER



Anti-Spark filter



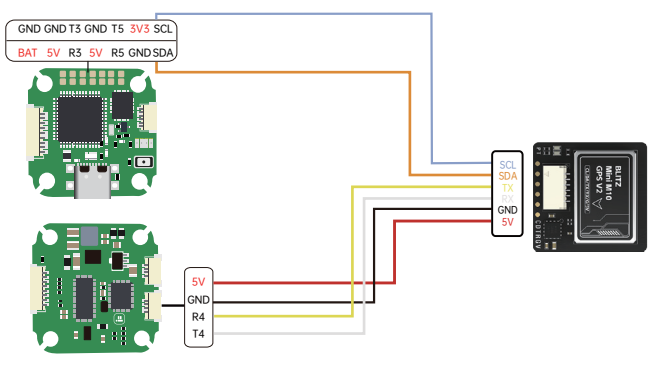
ESC

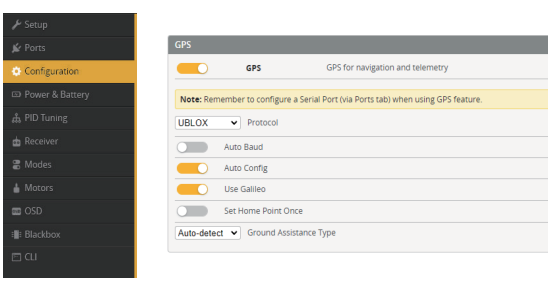


GPS

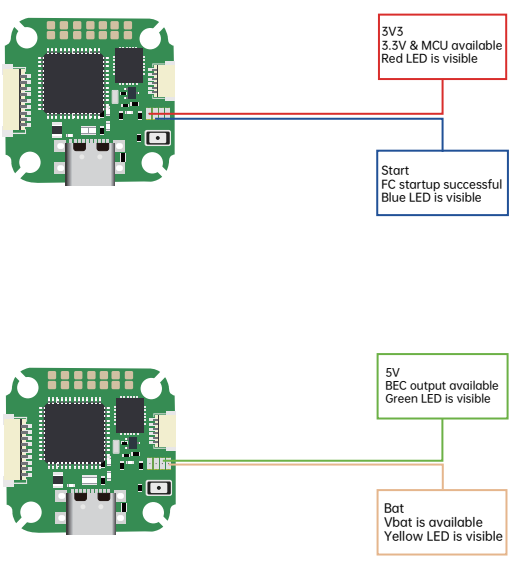
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled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