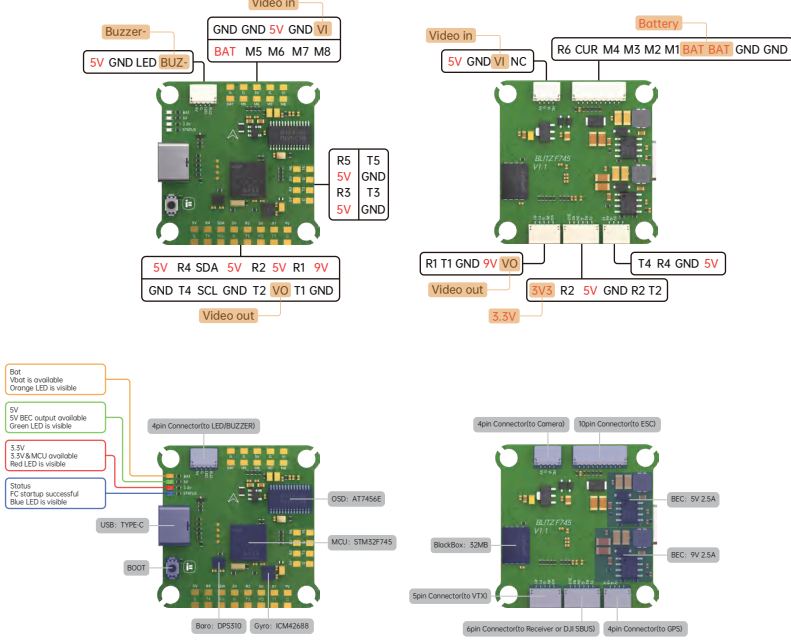


iFlight BLITZ F745 Instructions

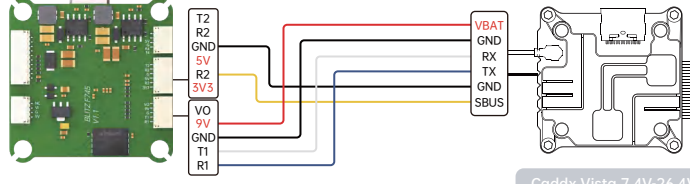
Parameters:

MCU: STM32F745
Gyro: ICM42688
Baro: DPS310
OSD: AT7456E
15BEC: Output 5V 2.5A continuous output current, 5A peak current (15 seconds)
15BEC: Output 9V 2.5A continuous output current, 5A peak current (15 seconds)
Blackbox: 32MB
UART: 6*UART(UART1, UART2, UART3, UART4, UART5, UART6)
UART1 for VTX/HD/Analog
UART2 for Receiver
UART3, UART4, UART5 for GPS or Other devices that require serial ports
UART6 for ESC Telemetry
8-Dshot/PWM outputs
1xI2C
1xSH1.0 5pin connector for HD VTX/Analog VTX&CAM (R1/T1/G/P/V/V0)
1xSH1.0 10pin connector for ESC (R6/CUR/M4/M5/M2/M1/BAT/BAT/G/G)
1xSH1.0 6pin connector for Any Receiver or DJI (3V3/R2/5V/G/R2/T2)
1xSH1.0 4pin connector GPS (T4/R4/G/5V)
1xSH1.0 4pin connector Camera (5V/G/V/NC)
1xSH1.0 4pin connector LED&Beeper (BUZ, LED/GND/5V)
4*0402 LEDs for FC STATUS (3.3V Red) / (Start Blue) / (5V Green) / (BAT Orange)
Smartaudio&R/CTramp VTX protocol supported
WS2812ledStrip: Yes
Beeper: Yes
Dimensions: 36.5*35mm
Mounting hole: 30.5*30.5mm/4
Weight: 7.8g

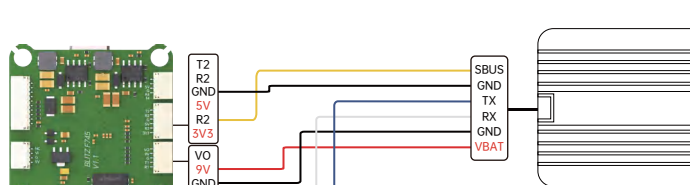
Firmware target:
Betaflight: iFLIGHT BLITZ F7 AIO
INAV: /
ArduPilot: arduplane_with_bl



DJI Digital Transmitters



Caddx Vista 7.4V-26.4V



DJI Air Unit 7.4V-17.6V

Serial	Configuration	Serial Rx	Telemetry Output	Serial Input	Peripherals
UART1	115200	Disabled	Disabled	Disabled	Disabled
UART2	115200	Disabled	Disabled	Disabled	Disabled
UART3	115200	Disabled	Disabled	Disabled	Disabled
UART4	115200	Disabled	Disabled	Disabled	Disabled
UART5	115200	Disabled	Disabled	Disabled	Disabled
UART6	115200	Disabled	Disabled	Disabled	Disabled

Receiver

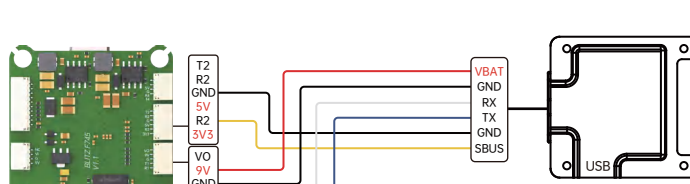
Serial (via UART) Receiver Mode

The UART for the receiver must be set to Serial Rx (in the Ports tab)

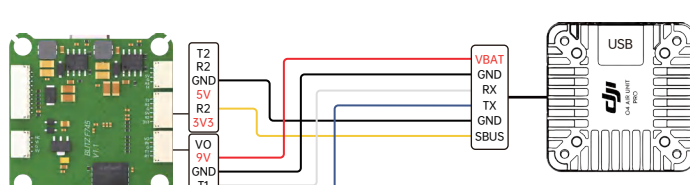
Select the correct data format from the drop-down, below:

SBUS Serial Receiver Provider

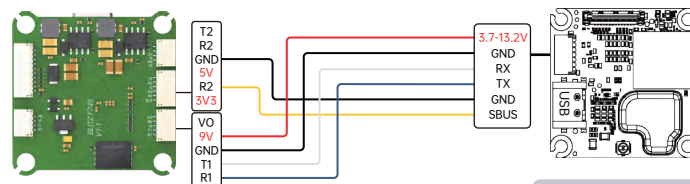
- To enable the air unit OSD under Betaflight 4.4 version, you need to select VTX (MSP+Displayport) in the peripheral port where the air unit signal is connected to the port interface.
- note: DJI FPV Remote Controller2 is for DJI O3 Air Unit
DJI FPV Remote Controller is for DJI Air Unit and Vista
- 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



DJI O3 Air Unit 7.4V-26.4V

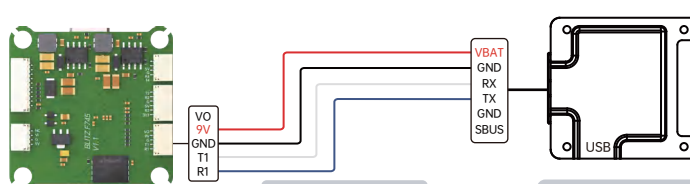


DJI O4 Air Unit Pro 7.4V-26.4V

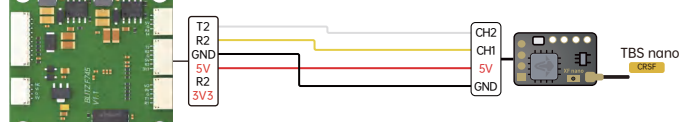


DJI O4 Air Unit 3.7-13.2V

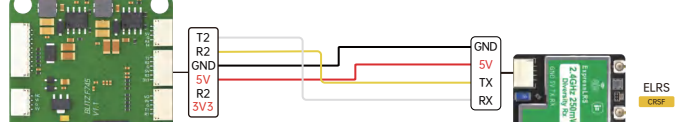
Any other Receiver



DJI O3 Air Unit 7.4V-26.4V



TBS nano



ELRS

Serial	Configuration	Serial Rx	Telemetry Output	Serial Input	Peripherals
UART1	115200	Disabled	Disabled	Disabled	Disabled
UART2	115200	Disabled	Disabled	Disabled	Disabled
UART3	115200	Disabled	Disabled	Disabled	Disabled
UART4	115200	Disabled	Disabled	Disabled	Disabled
UART5	115200	Disabled	Disabled	Disabled	Disabled
UART6	115200	Disabled	Disabled	Disabled	Disabled

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:

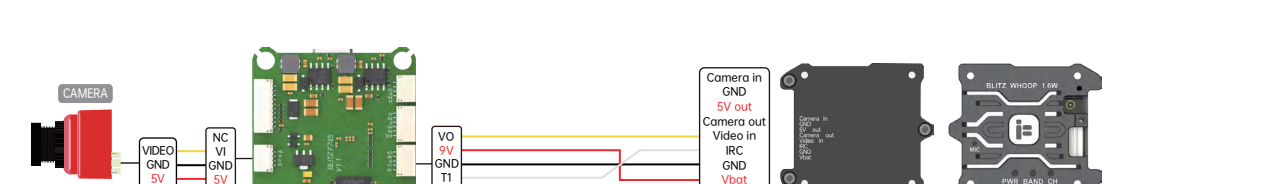
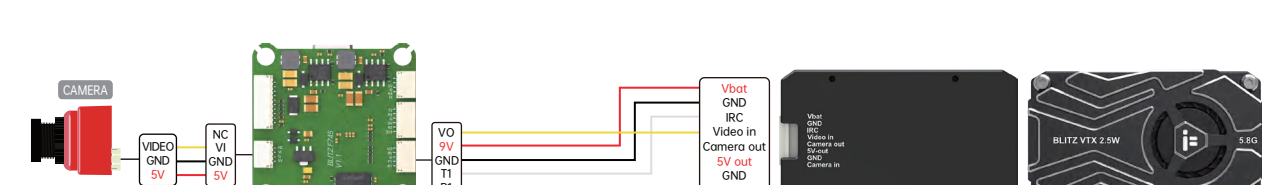
CRSF Serial Receiver Provider

Telemetry

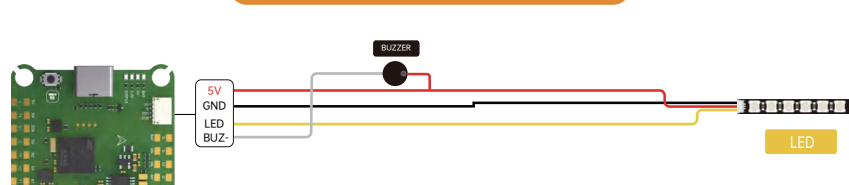
TELEMETRY Telemetry output

VTX/CAM

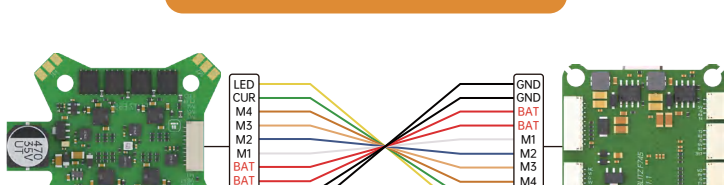
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200	Disabled	Disabled	Disabled	Disabled
UART1	115200	Disabled	Disabled	Disabled	Disabled
UART2	115200	Disabled	Disabled	Disabled	Disabled
UART3	115200	Disabled	Disabled	Disabled	Disabled
UART4	115200	Disabled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



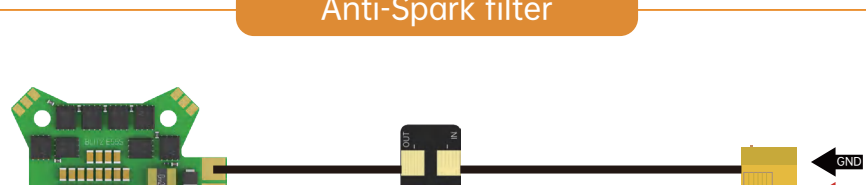
LED/BUZZER



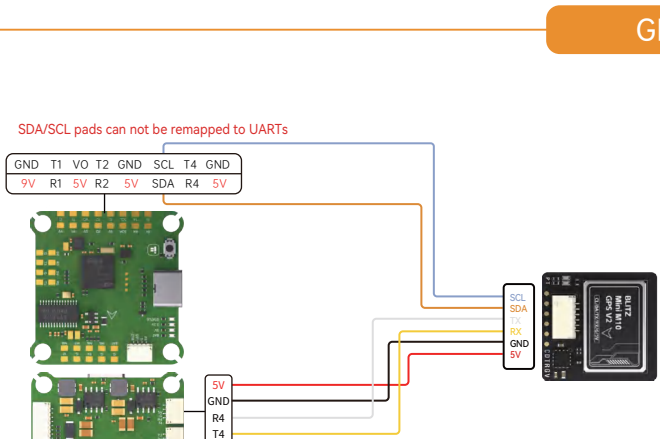
ESC



Anti-Spark filter



GPS



Serial	Configuration	Serial Rx	Telemetry Output	Serial Input	Peripherals
UART1	115200	Disabled	Disabled	Disabled	Disabled
UART2	115200	Disabled	Disabled	Disabled	Disabled
UART3	115200	Disabled	Disabled	Disabled	Disabled
UART4	115200	Disabled	Disabled	Disabled	Disabled
UART5	115200	Disabled	Disabled	Disabled	Disabled
UART6	115200	Disabled	Disabled	Disabled	Disabled

GPS

GPS for navigation and telemetry

Note: 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

Dimensions/Mounting pattern

