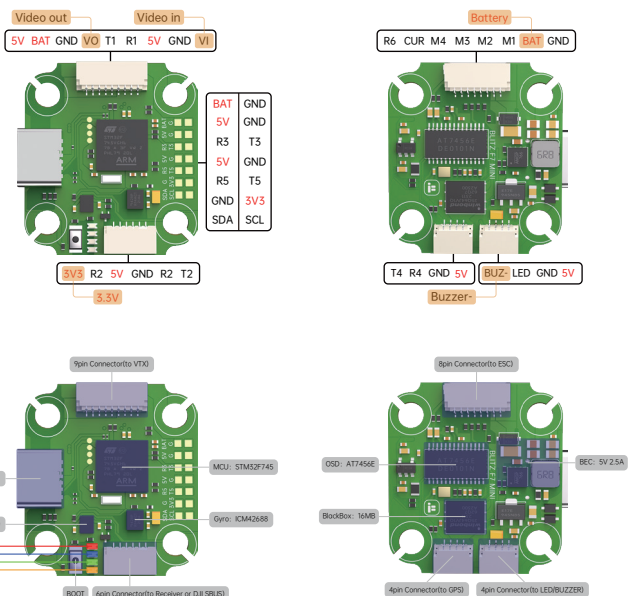


iFlight BLITZ MINI F745 Instructions

Parameters:

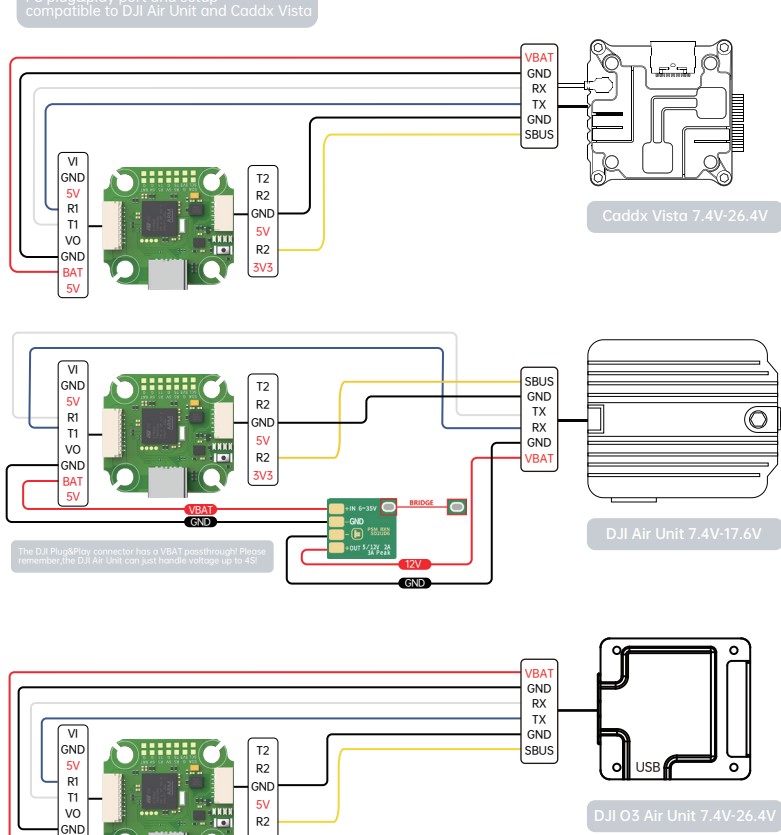
MCU: STM32F745
 Gyro: ICM42688
 Baro: DPS530
 OSD: AT7456E
 BEC: Output 5V 2.5A continuous output current, 3A peak current (15 seconds)
 BEC: Output 9V 2.5A continuous output current, 3A peak current (15 seconds)
 BlackBox: 16MB
 UART: 4xUART(UART1, UART2, UART3, UART4, UART5, UART6)
 UART1 for VTX HD/Analog
 UART2 for Receiver
 UART3, UART4, UART5 for GPS or Other devices that require serial ports
 UART6 for ESC Telemetry
 4xShotPWM outputs
 1xI2C
 1xSH1.0 9pin connector for HD VTX/Analog VTX&CAM (SV/BAT/G/VO/T1/R1/SV/G/VI)
 1xSH1.0 8pin connector for ESC (R6/CUR/M4/M5/M2/M1/BAT/G)
 1xSH1.0 8pin connector for Any Receiver or DJI (SV/SR2/SV/JGR2/T2)
 1xSH1.0 4pin connector GPS (T4/R4/G/5V)
 1xSH1.0 4pin connector LED&Beeper (BUZ-/LED/G/5V)
 4xQD02 LEDs for FC STATUS (3.3V Red) / (Start Blue) / (SV Green) / (BAT Orange)
 Smartaudio&RC/Trip VTX protocol supported
 WS2812&Strip: Yes
 Beeper: Yes
 Dimensions: 50.5*27mm
 Mounting hole: 20*20mm/φ4
 Weight: 4.8g

Firmware target:
 Betaflight: FLIGHT_BUITZ_F7_AIO
 INAV: /
 Ardupilot: arduplane.with.bf

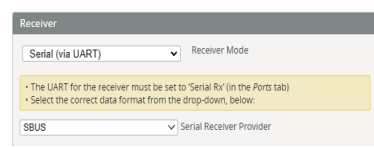


DJI Digital Transmitters

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

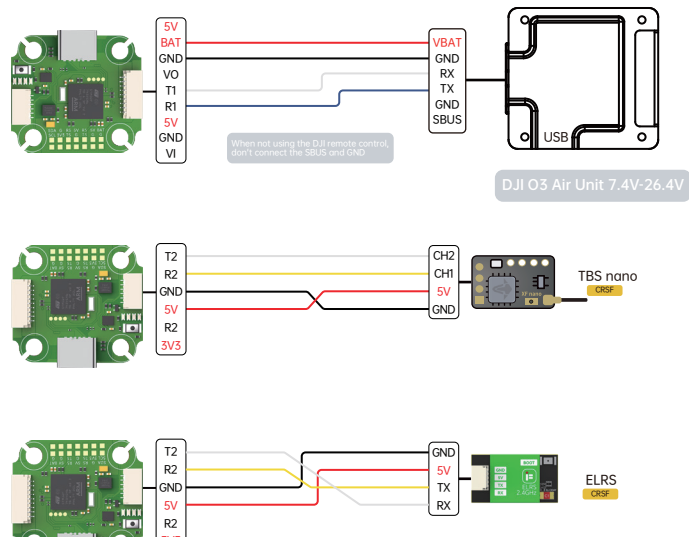


Receiver	Configuration/SP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200	Disabled	AUTO	Disabled	AUTO
UART1	115200	Disabled	AUTO	Disabled	AUTO
UART2	115200	Disabled	AUTO	Disabled	AUTO
UART3	115200	Disabled	AUTO	Disabled	AUTO
UART4	115200	Disabled	AUTO	Disabled	AUTO
UART5	115200	Disabled	AUTO	Disabled	AUTO
UART6	115200	Disabled	AUTO	Disabled	AUTO

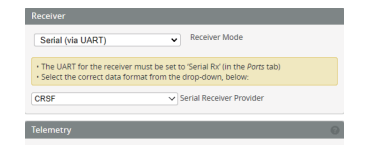


- To enable the air unit OSD under Betaflight 4.4 version, you need to select VTX (MSP+Displayport) in the peripheral port where the air unit signal is connected to the port interface.
- note: DJI FPV Remote Controller2 is for DJI O3 Air Unit
 DJI FPV Remote Controller is for DJI Air Unit and Vista
-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

Any other Receiver

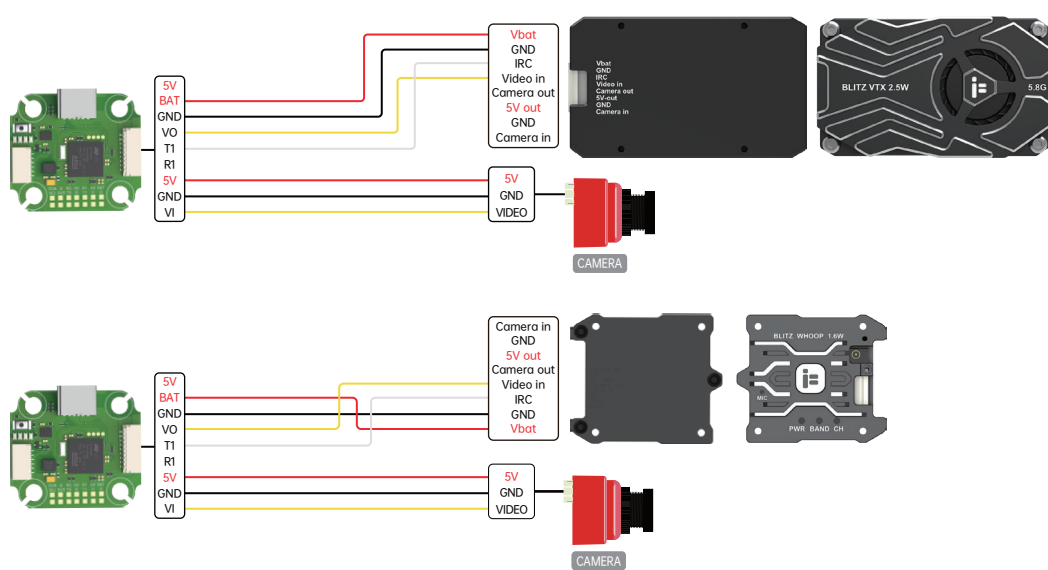


Receiver	Configuration/SP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200	Disabled	AUTO	Disabled	AUTO
UART1	115200	Disabled	AUTO	Disabled	AUTO
UART2	115200	Disabled	AUTO	Disabled	AUTO
UART3	115200	Disabled	AUTO	Disabled	AUTO
UART4	115200	Disabled	AUTO	Disabled	AUTO
UART5	115200	Disabled	AUTO	Disabled	AUTO
UART6	115200	Disabled	AUTO	Disabled	AUTO

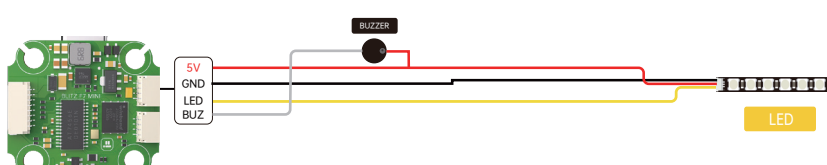


VTX/CAM

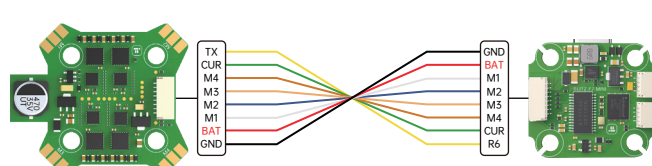
Receiver	Configuration/SP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200	Disabled	AUTO	Disabled	AUTO
UART1	115200	Disabled	AUTO	Disabled	AUTO
UART2	115200	Disabled	AUTO	Disabled	AUTO
UART3	115200	Disabled	AUTO	Disabled	AUTO
UART4	115200	Disabled	AUTO	Disabled	AUTO
UART5	115200	Disabled	AUTO	Disabled	AUTO
UART6	115200	Disabled	AUTO	Disabled	AUTO



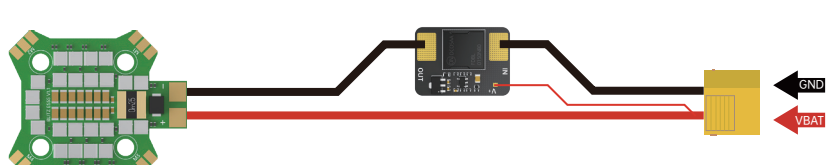
LED/BUZZER



ESC

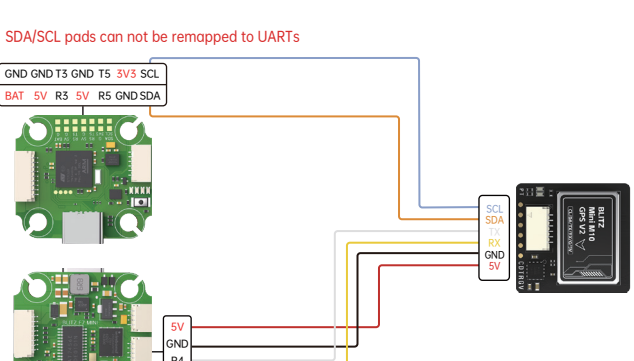


Anti-Spark filter

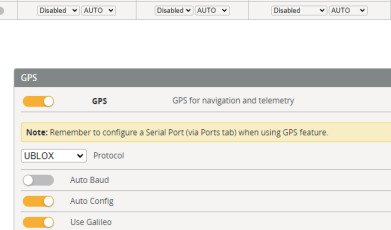
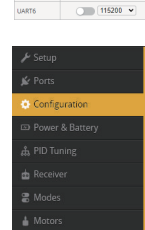


GPS

SDA/SCL pads can not be remapped to UARTs



Receiver	Configuration/SP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200	Disabled	AUTO	Disabled	AUTO
UART1	115200	Disabled	AUTO	Disabled	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
UART6	115200	Disabled	AUTO	Disabled	AUTO



Dimensions/Mounting pattern

