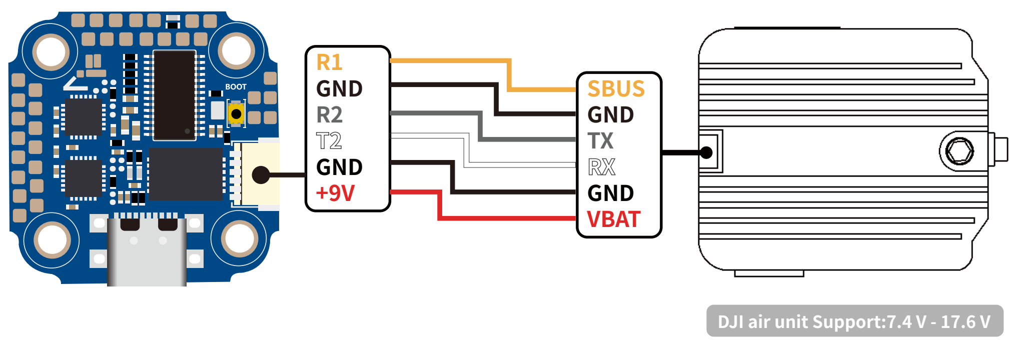
iFlight SucceX-D Mini F7 TwinG Wiring diagram

Use DJI transmitter

Firmware Target: IFLIGHT_F722_TWING(IFRC)

Suggest to use the latest STM32F7X2 firmware.
All of the DJI Remote Controller,Goggles and
Air Unit Module need to be upgraded up to 01.00.0200 version.

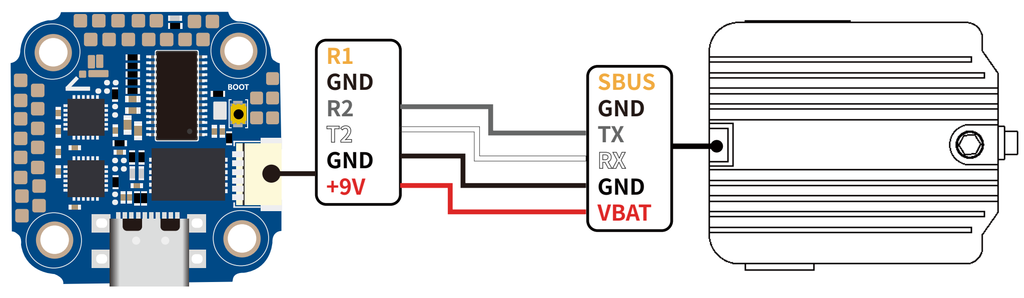


Identifier	Configuration/MSP	Serial Rx
USB VCP	on 115200	off
UART1	off 115200	on
UART2	on 115200	off
UART3	off 115200	off
UART4	off 115200	off
UART5	off 115200	off

- Either SBUS or Sbus Baud Fast protocol can be selected.
For SBUS by default,change the DJI Goggles setting to Normal.
- For Sbus Baud Fast,use the latest Betaflight Configurator, copy and paste " set sbus_baud_fast=on " into CLI and save, and change the DJI Goggles setting to Sbus Baud Fast

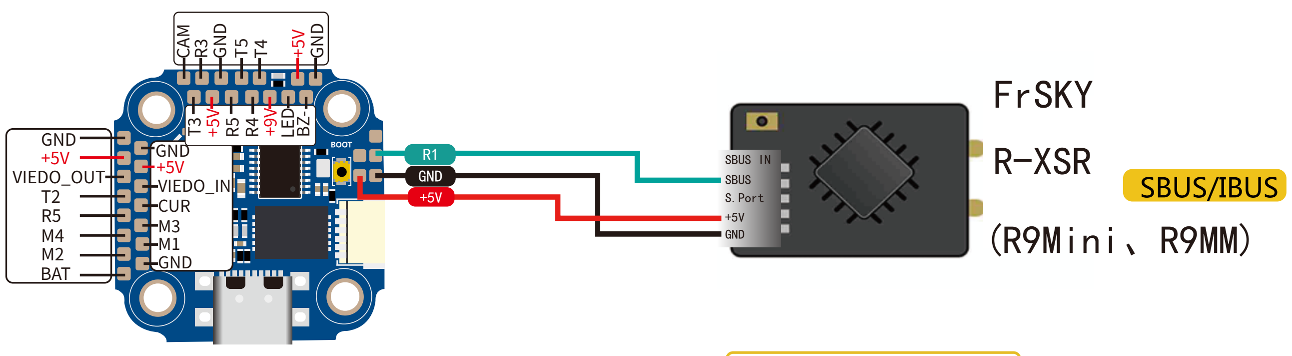
Receiver
Serial-based receiver (SPEKSAT, S ▾ Receiver Mode
Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.
SBUS ▾ Serial Receiver Provider

Use another transmitter



When not using DJI remote controller, don't connect the R1 and GND.
But the External RX will need to be connected to the specified port as below. Please follow the diagram to wire and setup

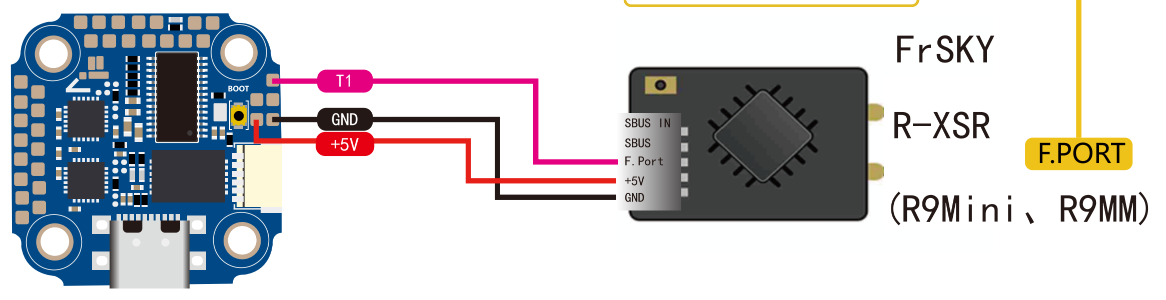
Identifier	Configuration/MSP	Serial Rx
USB VCP	on 115200	off
UART1	off 115200	on
UART2	on 115200	off
UART3	off 115200	off
UART4	off 115200	off
UART5	off 115200	off



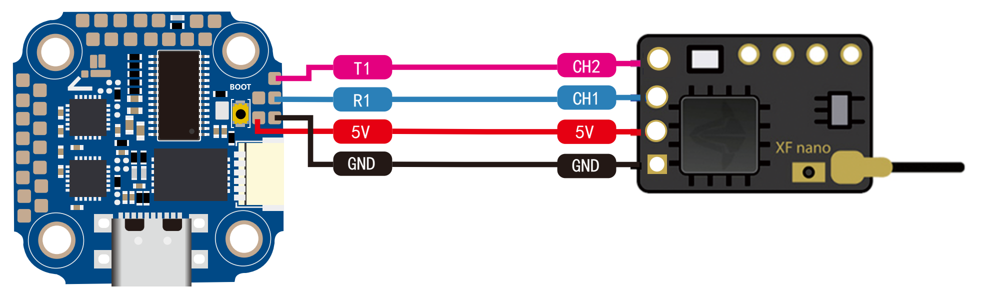
Receiver
Serial-based receiver (SPEKSAT, S ▾ Receiver Mode
Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.
SBUS ▾ Serial Receiver Provider

*Use the IBUS receiver to set the IBUS Provider

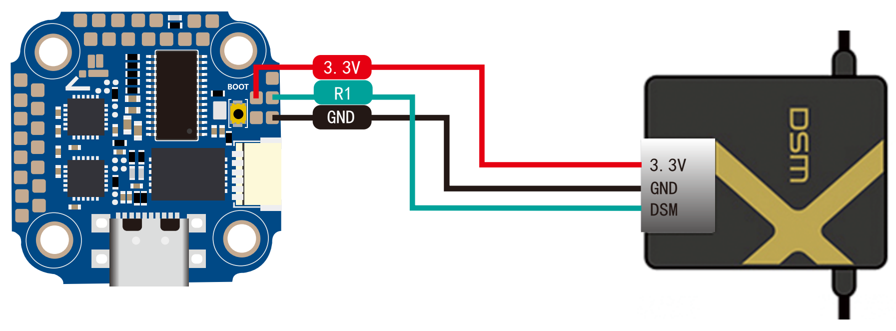
serialrx_provider=FPORT
serialrx_inverted=ON
serialrx_halfduplex=ON



Receiver
Serial-based receiver (SPEKSAT, S ▾ Receiver Mode
Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.
FrSky FPort ▾ Serial Receiver Provider



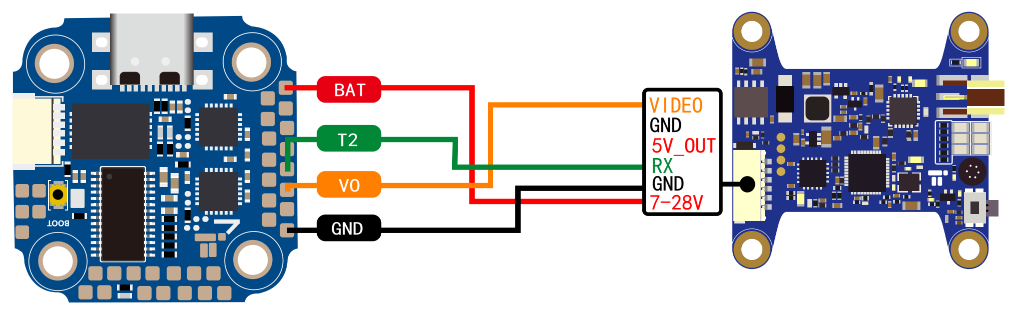
Receiver
Serial-based receiver (SPEKSAT, S ▾ Receiver Mode
Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.
CRSF ▾ Serial Receiver Provider

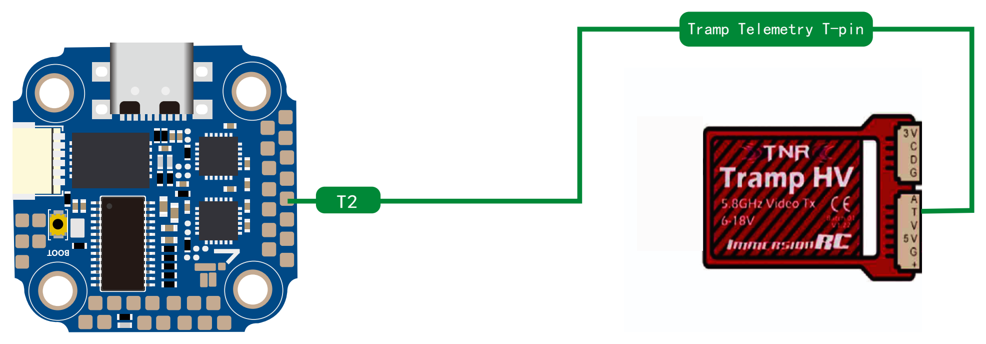


Receiver
Serial-based receiver (SPEKSAT, S ▾ Receiver Mode
Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.
SPEKTRUM2048 ▾ Serial Receiver Provider

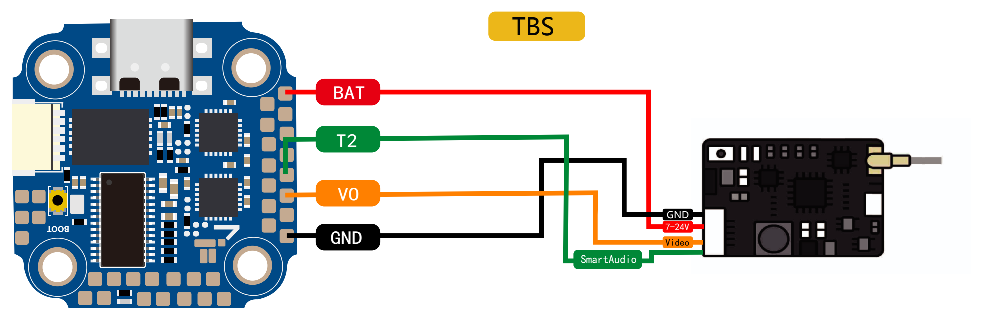
VTX

Identifier	Configuration/MSP	Serial Rx	Telemetry Output		Sensor Input		Peripherals	
USB VCP	on 115200	off	Disabled	AUTO	Disabled	AUTO	Disabled	AUTO
UART1	off 115200	on	Disabled	AUTO	Disabled	AUTO	Disabled	AUTO
UART2	off 115200	off	Disabled	AUTO	Disabled	AUTO	VTX (IRC Tran	AUTO
UART3	off 115200	off	Disabled	AUTO	Disabled	AUTO	Disabled	AUTO
UART4	off 115200	off	Disabled	AUTO	GPS	9600	Disabled	AUTO
UART5	off 115200	off	Disabled	AUTO	Disabled	AUTO	Disabled	AUTO





TBS



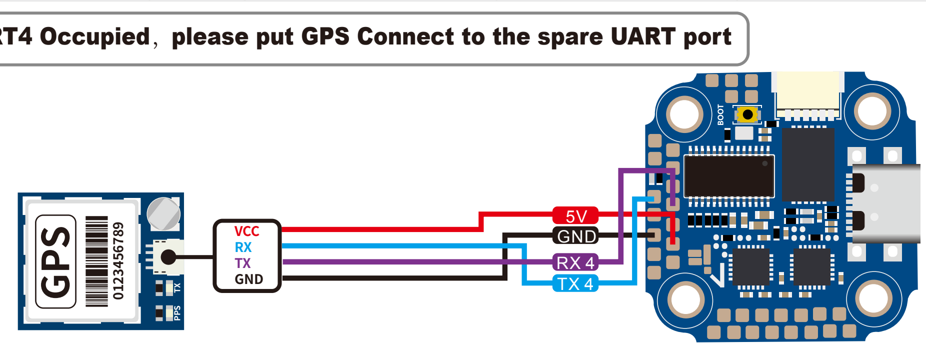
Identifier	Configuration/MSP	Serial Rx	Telemetry Output		Sensor Input		Peripherals	
USB VCP	on 115200	off	Disabled	AUTO	Disabled	AUTO	Disabled	AUTO
UART1	off 115200	on	Disabled	AUTO	Disabled	AUTO	Disabled	AUTO
UART2	off 115200	off	Disabled	AUTO	Disabled	AUTO	VTX (TBS Sm	AUTO
UART3	off 115200	off	Disabled	AUTO	Disabled	AUTO	Disabled	AUTO
UART4	off 115200	off	Disabled	AUTO	GPS	9600	Disabled	AUTO
UART5	off 115200	off	Disabled	AUTO	Disabled	AUTO	Disabled	AUTO

GPS

①

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

If your UART4 Occupied, please put GPS Connect to the spare UART port



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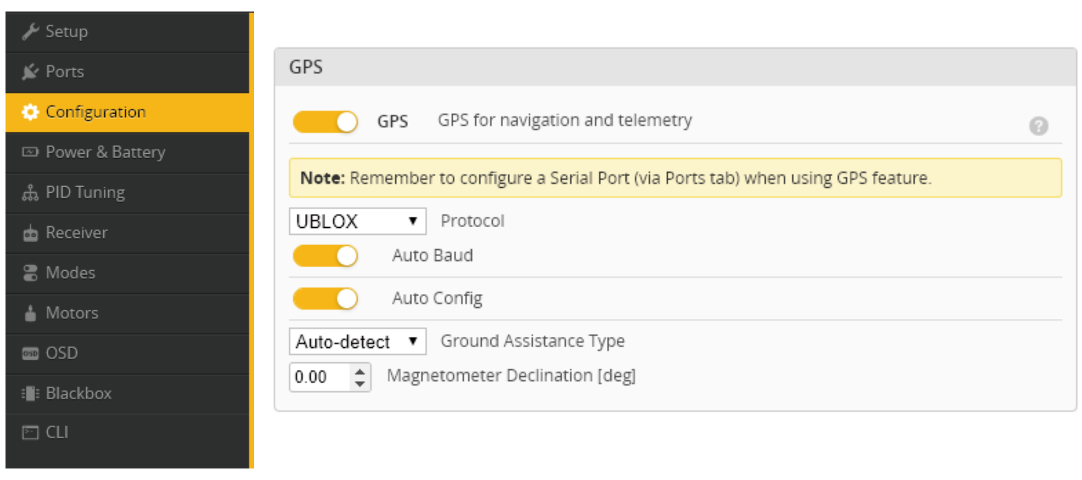
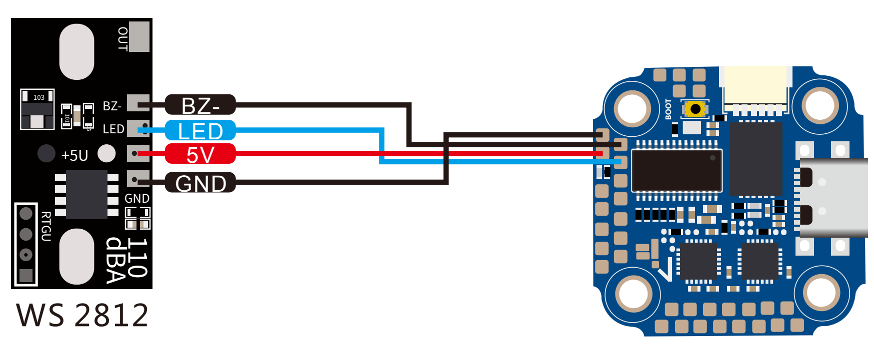
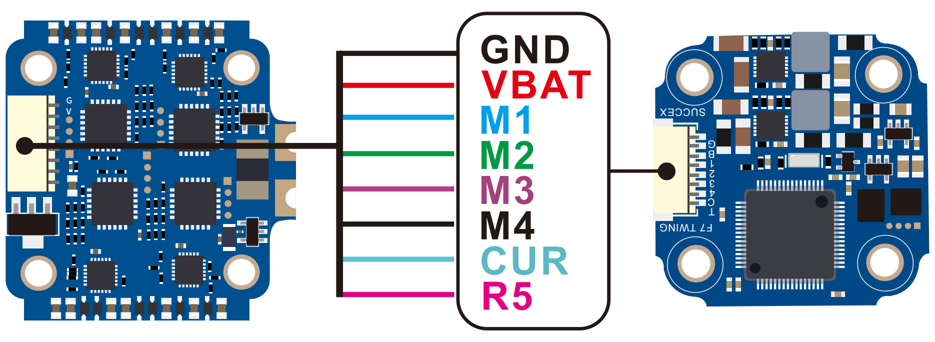


LED/BUZZER



ESC

iFlight-BL32-4IN1
BLHeli_32_32.6



Amperage Meter

Battery	0.00 A	100	Scale [1/10th mV/A]
		0	Offset [mA]

CAM