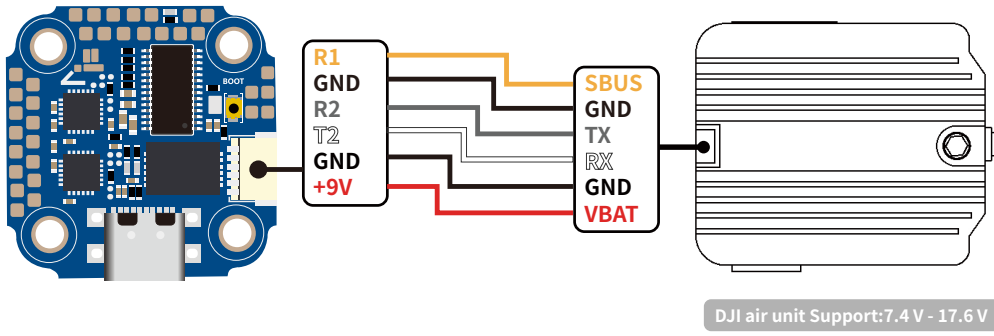


iFlight Succex-D Mini F7 TwinG Wiring diagram

Use DJI transmitter

Firmware: IFLIGHT_F722_TWING(IFRC) Target: STM32F7X2

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	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART1	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>
UART2	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART5	<input type="checkbox"/> 115200	<input type="checkbox"/>

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

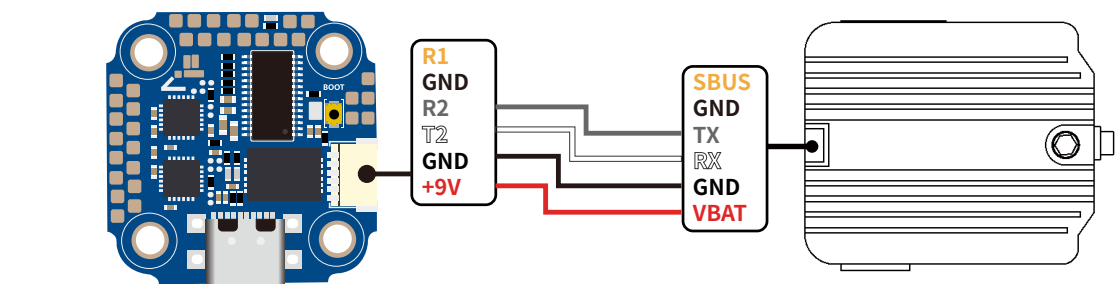
Serial-based receiver (SPEKSAT, S) Receiver Mode

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

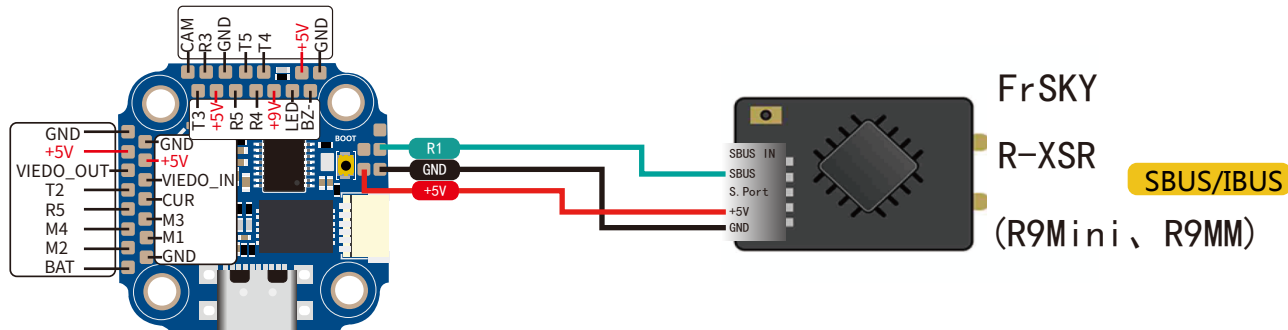
Use another transmitter

Config: IFRC-IFLIGHT_F722_TWING



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	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART1	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>
UART2	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART5	<input type="checkbox"/> 115200	<input type="checkbox"/>



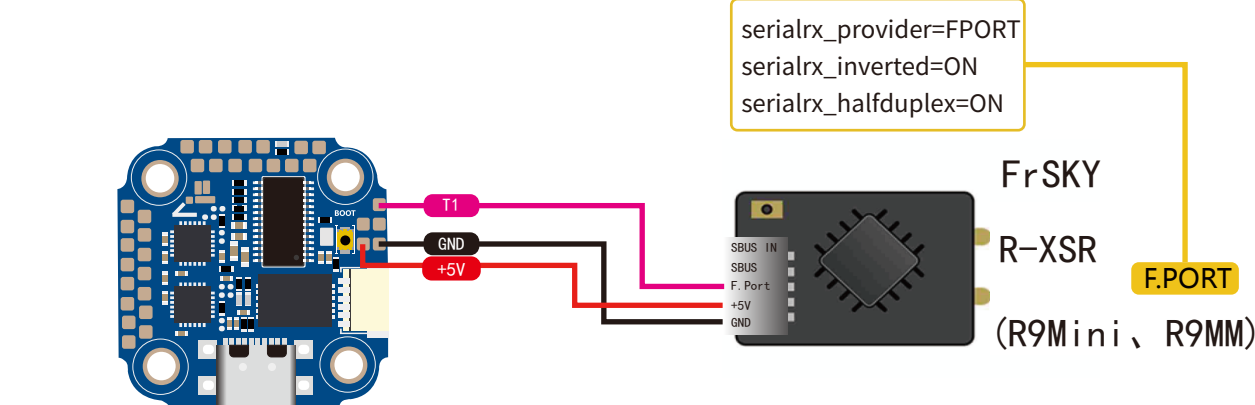
Receiver

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

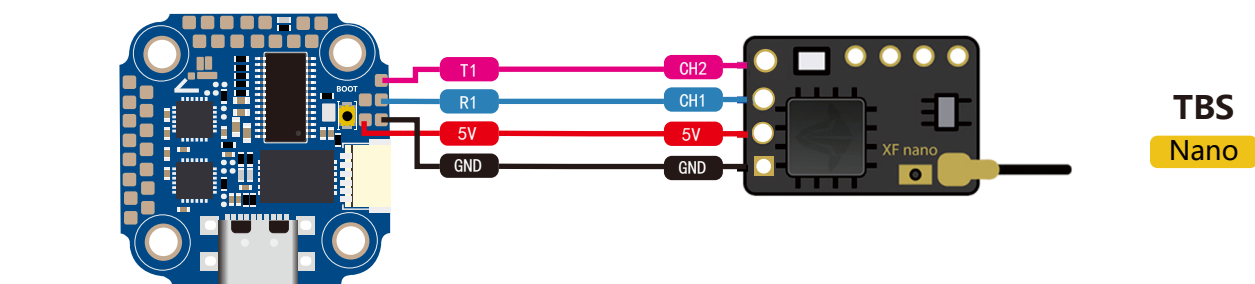


Receiver

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

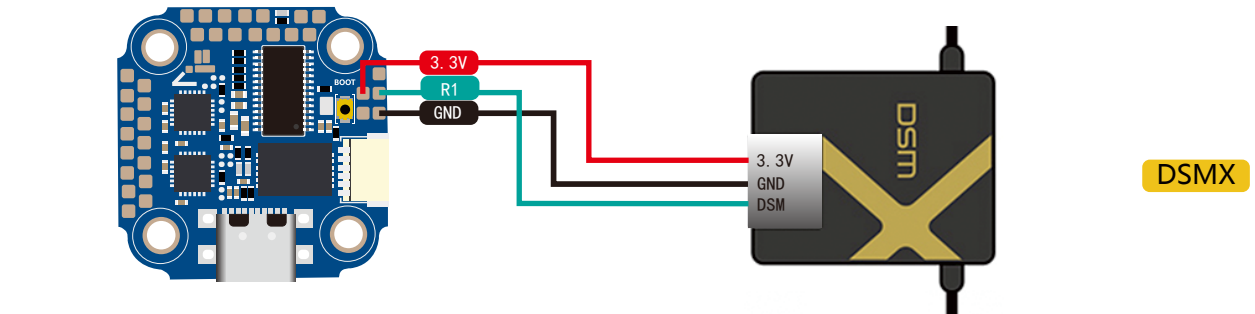


Receiver

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

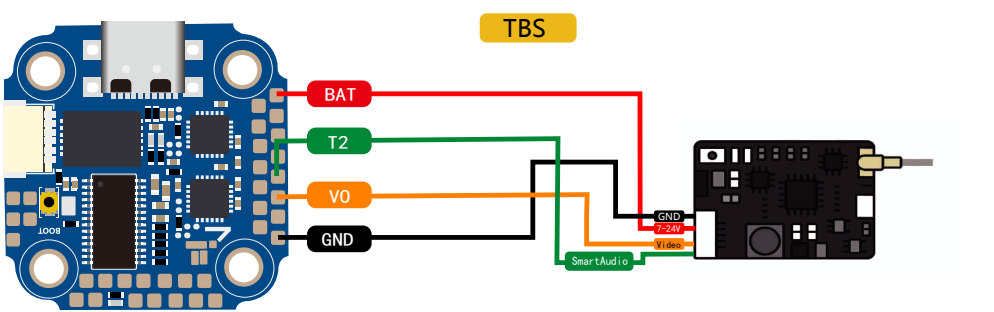
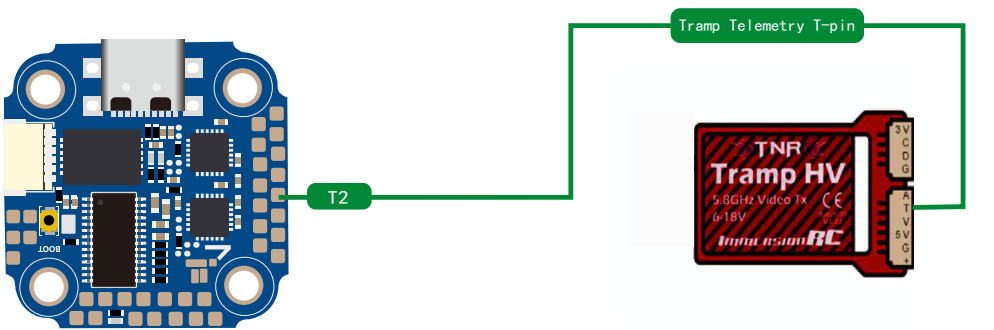
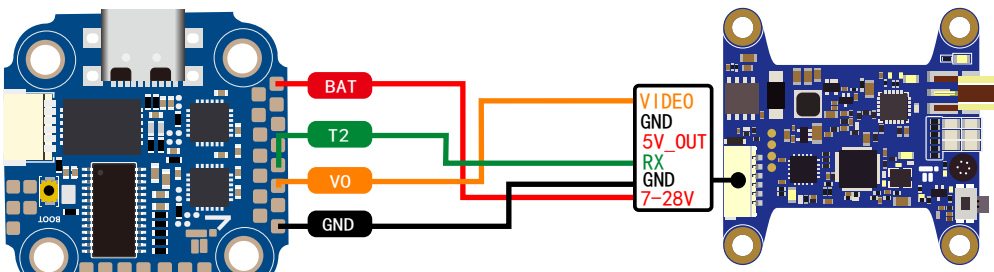
Serial-based receiver (SPEKSAT, S) Receiver Mode

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	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	Disabled	Disabled
UART1	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>	Disabled	Disabled	Disabled
UART2	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	Disabled	Disabled
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	GPS	Disabled
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	Disabled	Disabled
UART5	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	Disabled	Disabled

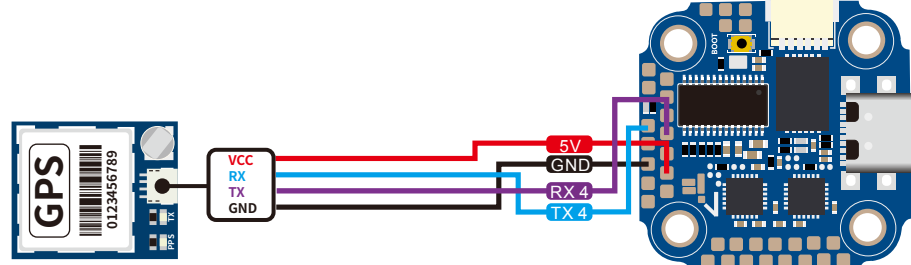


Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	Disabled	Disabled
UART1	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>	Disabled	Disabled	Disabled
UART2	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	Disabled	Disabled
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	GPS	Disabled
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	Disabled	Disabled
UART5	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	Disabled	Disabled

GPS

Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	Disabled	Disabled
UART1	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>	Disabled	Disabled	Disabled
UART2	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	Disabled	Disabled
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	Disabled	Disabled
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	GPS	Disabled
UART5	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled	Disabled	Disabled

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



2

Setup

Ports

Configuration

GPS

GPS for navigation and telemetry

Note: Remember to configure a Serial Port (via Ports tab) when using GPS feature.

UBLOX Protocol

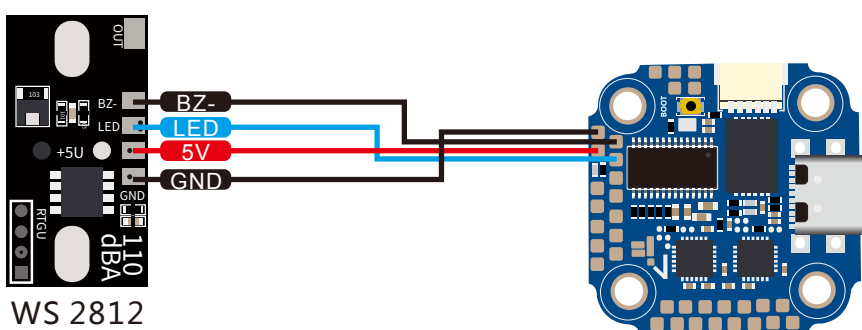
Auto Baud

Auto Config

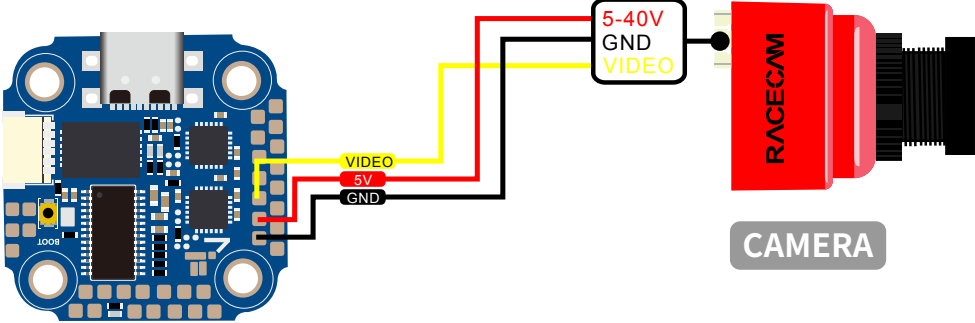
Auto-detect Ground Assistance Type

0.00 Magnetometer Declination [deg]

LED/BUZZER

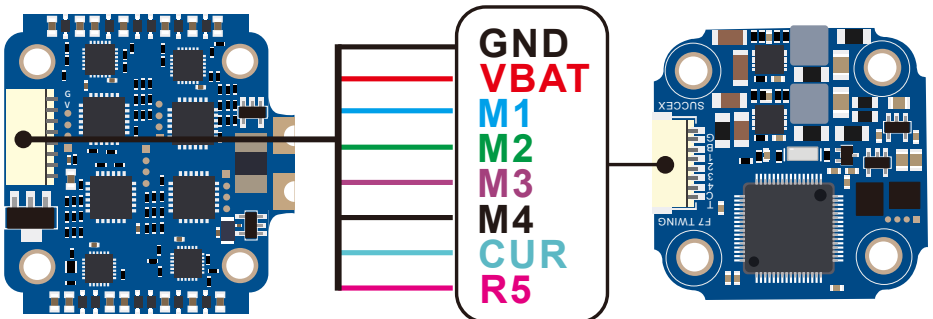


CAM



ESC

iFlight-BL32-4IN1
BLHeli_32_32.6



Amperage Meter

Battery 0.00 A

100 Scale [1/10th mV/A]

0 Offset [mA]