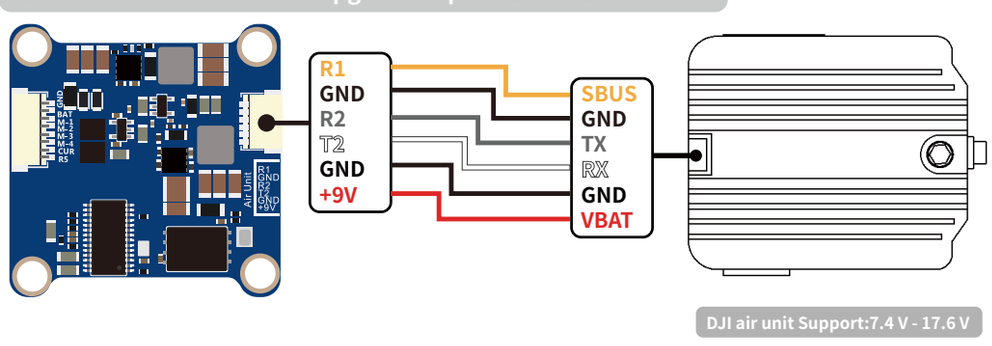
iFlight SucceX-D F7 TwinG Wiring diagram

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.



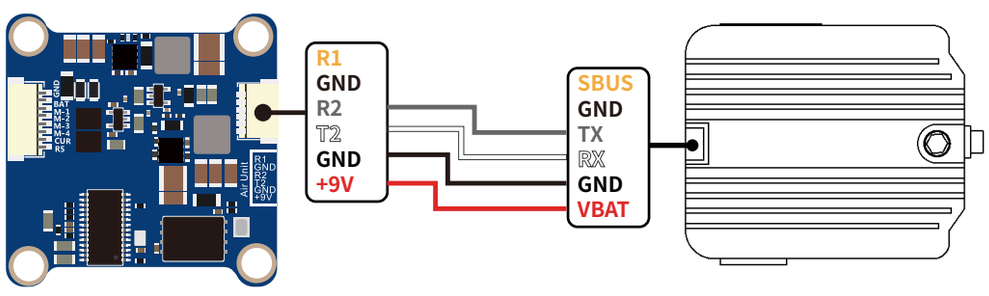
DJI air unit Support:7.4 V - 17.6 V

- 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

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

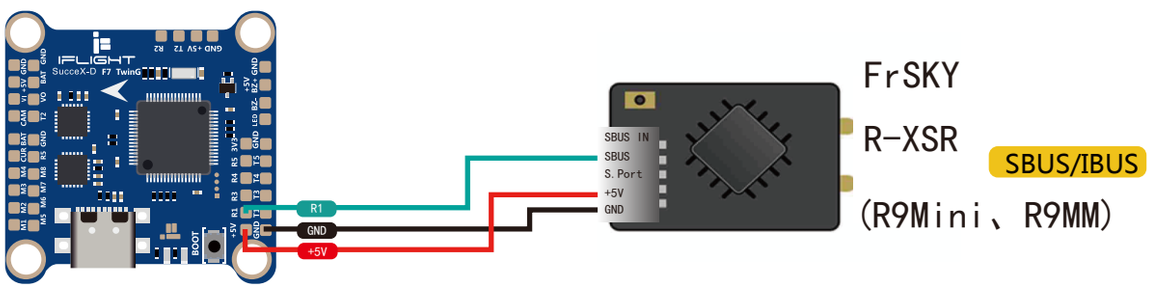
Receiver
Serial-based receiver (SPEKSAT, S) — Receiver Mode
Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.
SBUS — Serial Receiver Provider

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

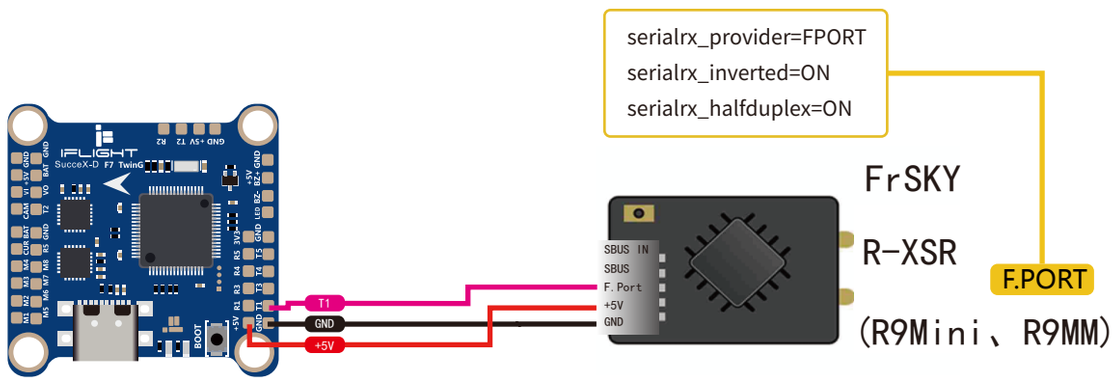
Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	✓
UART2	115200	
UART3	115200	
UART4	115200	
UART5	115200	



FrSKY
R-XSR
(R9Mini、R9MM)
SBUS/IBUS

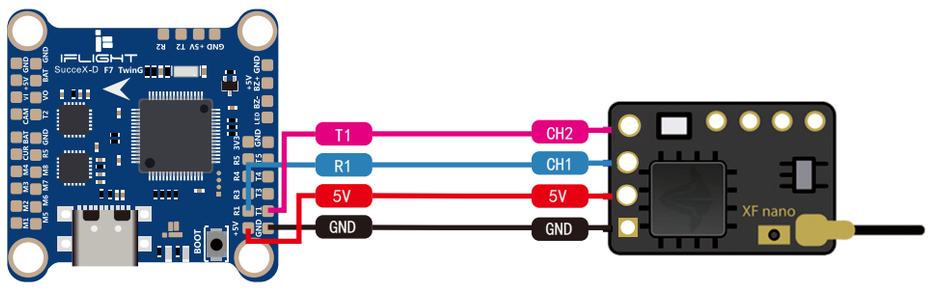
Receiver
Serial-based receiver (SPEKSAT, S) — Receiver Mode
Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.
SBUS — Serial Receiver Provider

*Use the IBUS receiver to set the IBUS Provider



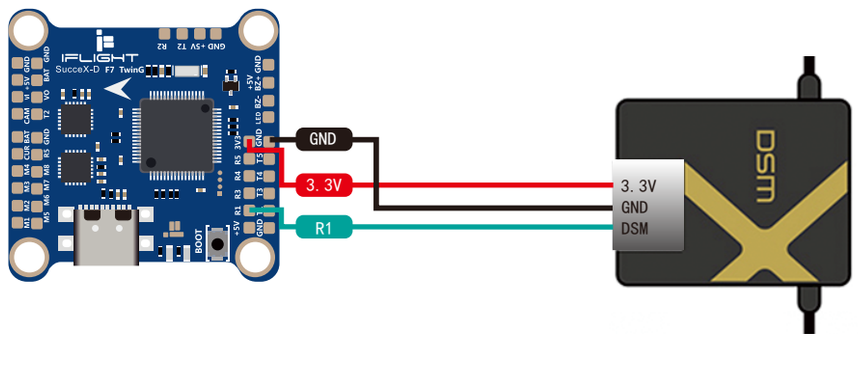
FrSKY
R-XSR
(R9Mini、R9MM)
F.PORT

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



TBS
Nano

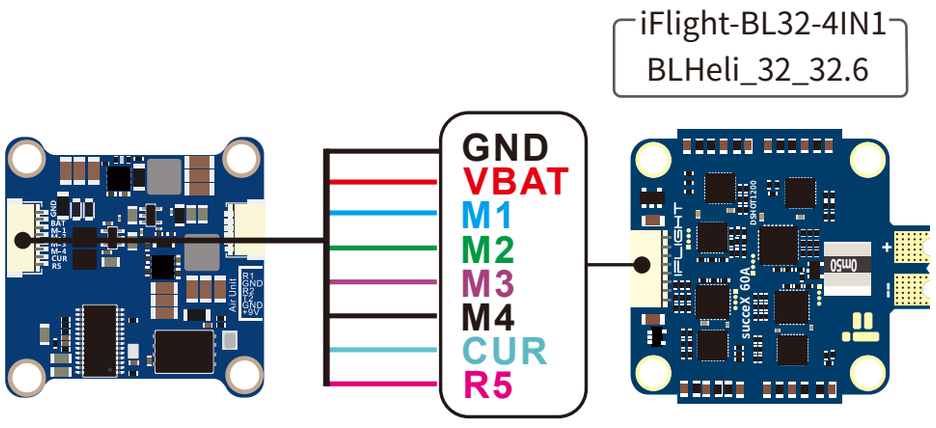
Receiver
Serial-based receiver (SPEKSAT, S) — Receiver Mode
Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.
CRSF — Serial Receiver Provider



DSMX

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

ESC



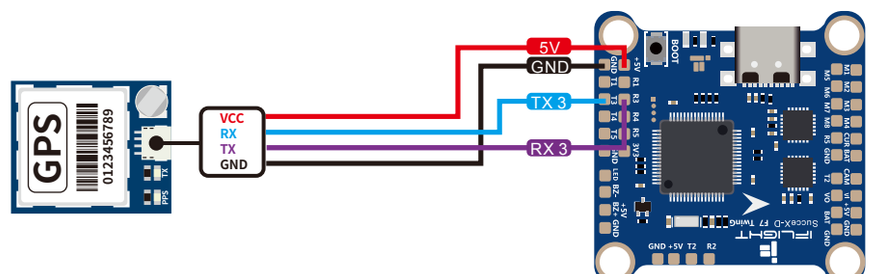
Amperage Meter
Battery 0.00 A
100 Scale [1/10th mV/A]
0 Offset [mA]

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	GPS 9600	Disabled AUTO
UART4	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART5	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO

1

If your UART3 Occupied，please put GPS Connect to the spare UART port

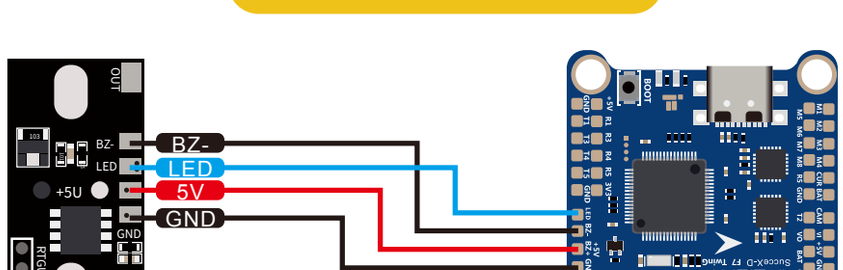


2

Setup
Ports
Configuration
Power & Battery
PID Tuning
Receiver
Modes
Motors
OSD
Blackbox
CLI

GPS
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



WS 2812