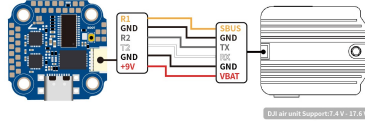


iFlight Succex-D Mini F7 TwinG Wiring diagram

Use DJI transmitter

Firmware Target: iFLIGHT_F722_TWING(1PFC)

Suggest to use the latest STM32F7A2 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 Tx
USB VCP	115200	On
UART1	115200	On
UART2	115200	On
UART3	115200	On
UART4	115200	On
UART5	115200	On

- 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_faston" into CLI and save, and change the DJI Goggles setting to sBus Baud Fast.

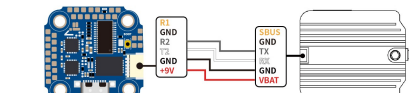
Receiver

Serial-based receiver (SPEKSAT, 5) 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 TX 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 Tx
USB VCP	115200	On
UART1	115200	On
UART2	115200	On
UART3	115200	On
UART4	115200	On
UART5	115200	On

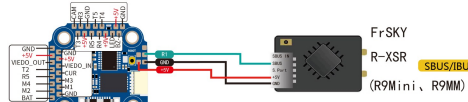
Receiver

Serial-based receiver (SPEKSAT, 5) Receiver Mode

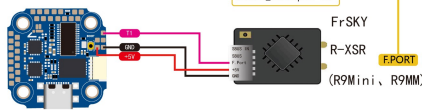
Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.

SBUS Serial Receiver Provider

*Use the IBUS receiver to set the IBUS Provider



serialrx_provider=FPOR
serialrx_inverted=ON
serialrx_halfduplex=ON

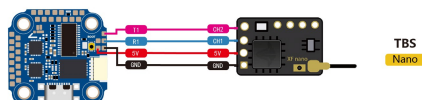


Receiver

Serial-based receiver (SPEKSAT, 5) 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

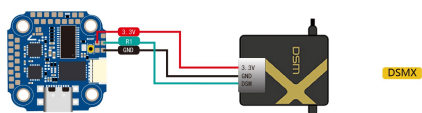


Receiver

Serial-based receiver (SPEKSAT, 5) Receiver Mode

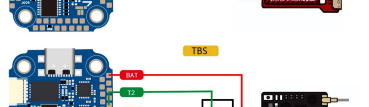
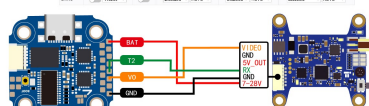
Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.

SPEKTRUM2048 Serial Receiver Provider



VTX

Identifier	Configuration/MSP	Serial Tx
USB VCP	115200	On
UART1	115200	On
UART2	115200	On
UART3	115200	On
UART4	115200	On
UART5	115200	On

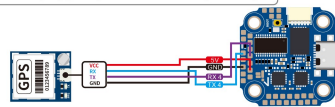


Identifier	Configuration/MSP	Serial Tx
USB VCP	115200	On
UART1	115200	On
UART2	115200	On
UART3	115200	On
UART4	115200	On
UART5	115200	On

GPS

Identifier	Configuration/MSP	Serial Tx	Serial Input	Serial Output	Serial Input	Serial Output
USB VCP	115200	On	Disabled	AUTO	Disabled	AUTO
UART1	115200	On	Disabled	AUTO	Disabled	AUTO
UART2	115200	On	Disabled	AUTO	Disabled	AUTO
UART3	115200	On	Disabled	AUTO	Disabled	AUTO
UART4	115200	On	Disabled	AUTO	Disabled	AUTO
UART5	115200	On	Disabled	AUTO	Disabled	AUTO

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



GPS

GPS for navigation and telemetry

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

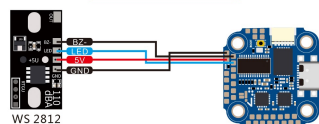
Protocol: Auto Baud

Auto Config

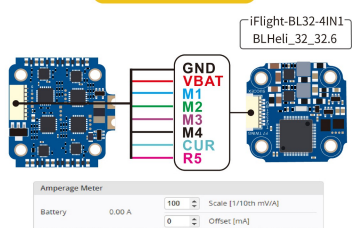
Auto-detect: Ground Assistance Type

0.00 Magnetometer Declination (deg)

LED/BUZZER



ESC



iFlight-BL32-4IN1
BLHeli_32_32.6

Amperage Meter

Battery: 0.00 A

Scale: 17.10th mV/A

Offset: [mV]

CAM

