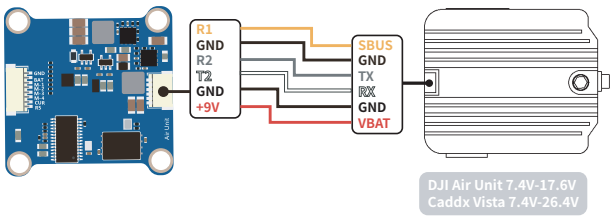
iFlight SucceX-D F7 TwinG V2.1 Wiring diagram

Use DJI transmitter

Firmware Target: IFLIGHT_F722_TWING(IFRC)

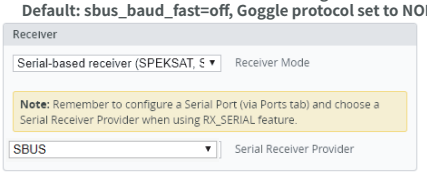
FC plug&play port and setup compatible to DJI Air Unit and Caddx Vista



DJI Air Unit 7.4V-17.6V
Caddx Vista 7.4V-26.4V

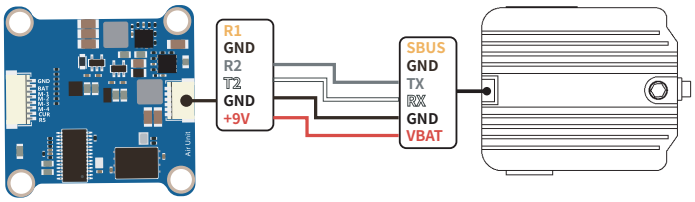
Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	✓
UART2	115200	
UART3	115200	
UART4	115200	
UART5	115200	

- **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**



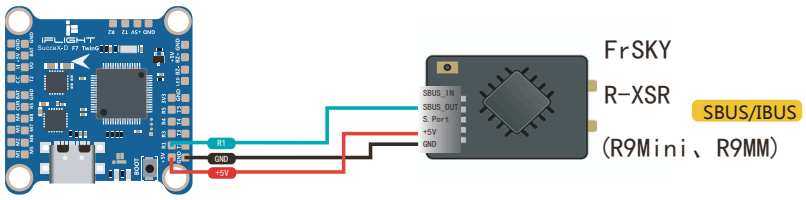
UART2 MSP: OSD passthrough

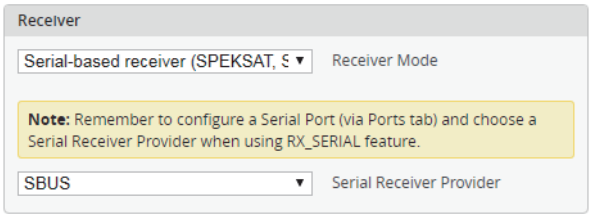
Use another transmitter

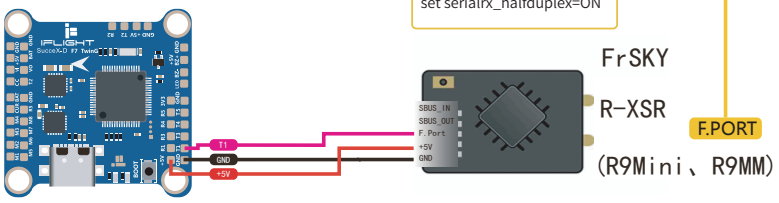


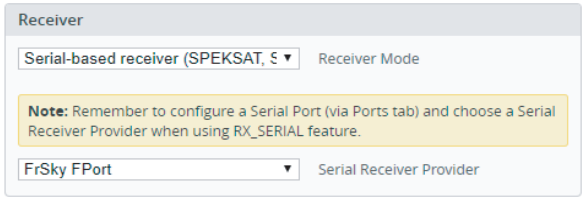
When not using the DJI remote controller, don't connect the SBUS and GND.
But the External RX will need to be connected to the specified port as below. Please follow the diagram to wire and setup

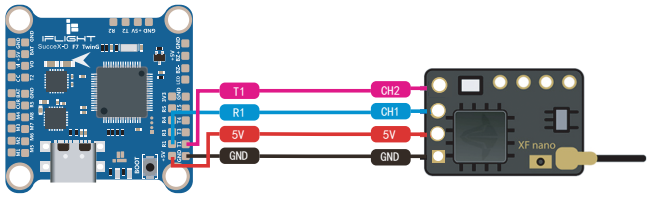
Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	✓
UART2	115200	
UART3	115200	
UART4	115200	
UART5	115200	

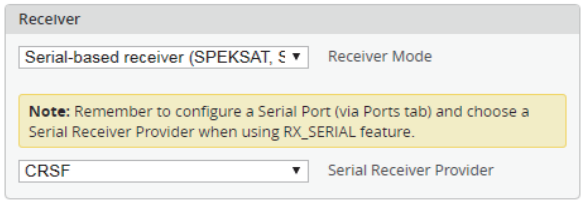


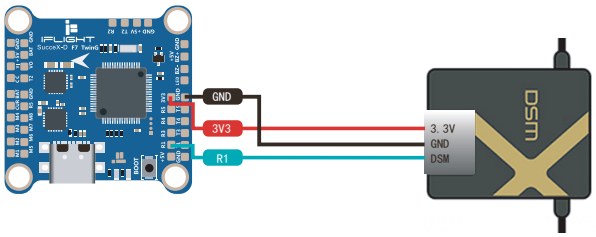


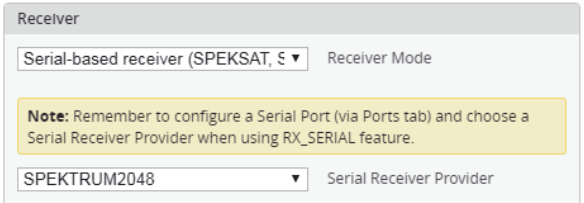






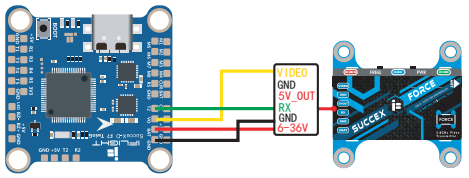


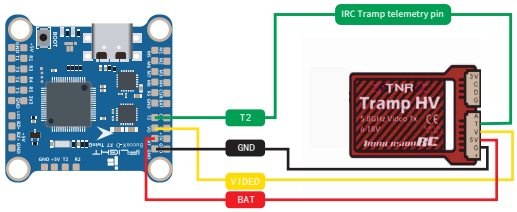


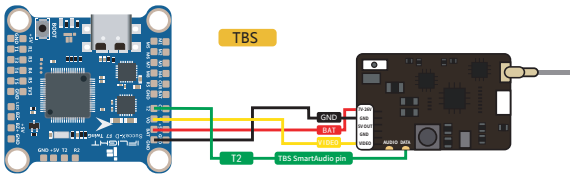


VTX

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	VTX (IRC Tran AUTO
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART4	115200		Disabled AUTO	GPS 9600	Disabled AUTO
UART5	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO







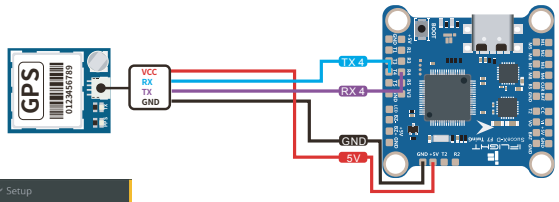
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	VTX (TBS Sm AUTO
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled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

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

1

Warning! I2C bus for SDA/SCL interfaces (like a compass) can be used on UART3.
Please be aware, that the Barometeter occupies UART3 when active!
If UART3 is uccupied, use any other available UART for GPS.



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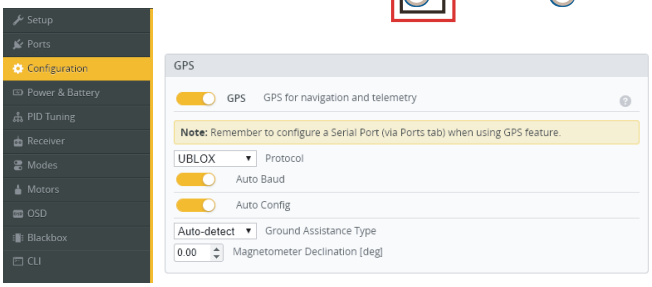
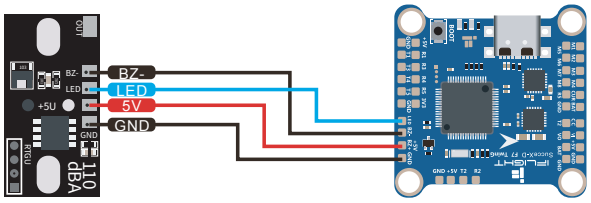
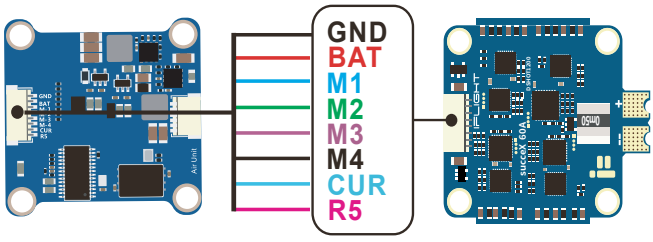


LED/BUZZER



ESC

iFlight-BL32-4IN1
BLHeli_32_32.7



Amperage Meter

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

CAM