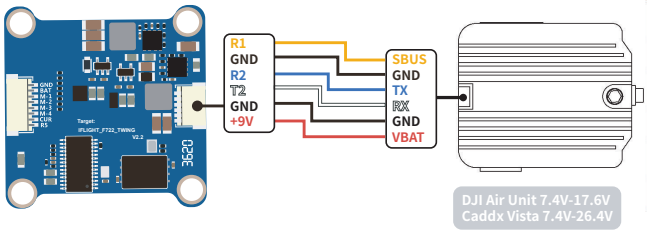
iFlight SucceX-D F7 TwinG V2.2 Wiring diagram

Use DJI transmitter

Firmware Target: IFLIGHT_F722_TWING(IFRC)

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

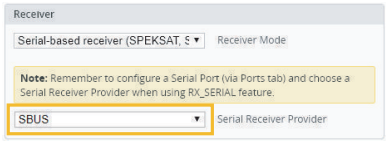


Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	
UART2	115200	
UART3	115200	
UART4	115200	
UART5	115200	

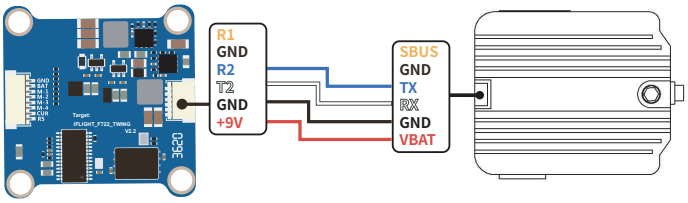
- Please check your protocols, otherwise your DJI Radio won' input signals!

DJI Goggle protocol and Betaflight protocol has to match!
For lower signal latency use the SBUS_BAUD_FAST protocoloption on both ends.

For 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

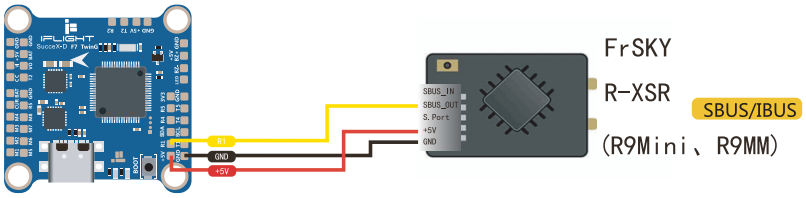


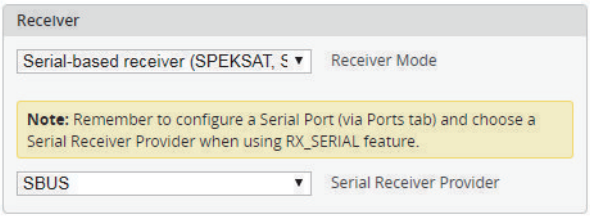
Use another transmitter

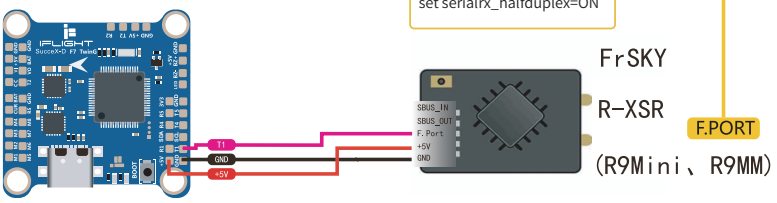


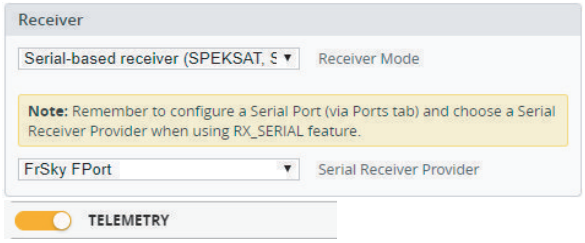
When not using the DJI remote controller, don't connect the SBUS and GND.
But the External RX will need to be connected to the specified port as below. Please follow the diagram to wire and setup

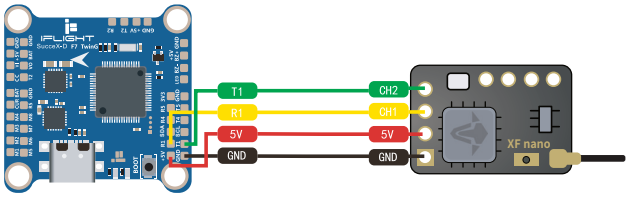
Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	
UART2	115200	
UART3	115200	
UART4	115200	
UART5	115200	

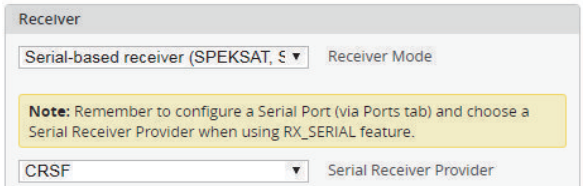


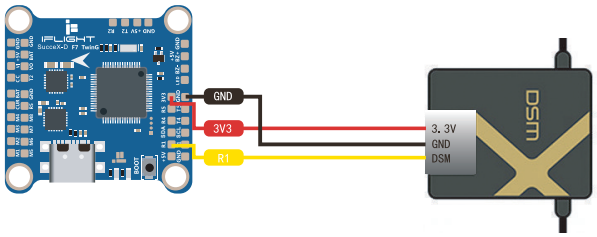


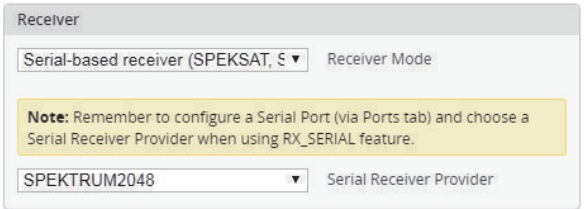






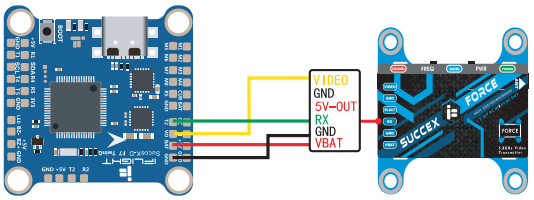




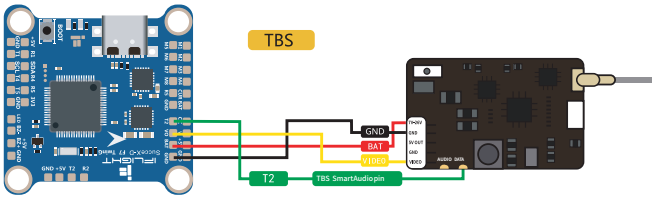


VTX

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



TBS



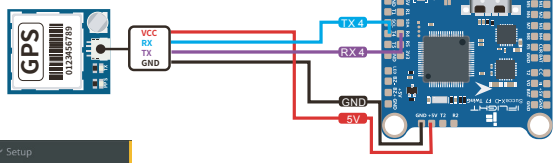
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	VTX (TBS Sm AUTO
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled 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 (likeacompass) can be used on UART3.
Please be aware, that the barometer occupies UART3 when active!
If UART3 is occupied, use any other available UART for GPS.



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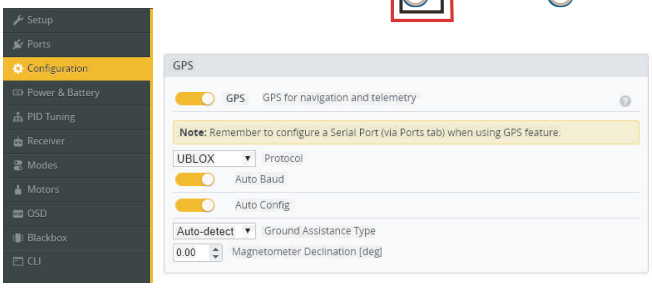
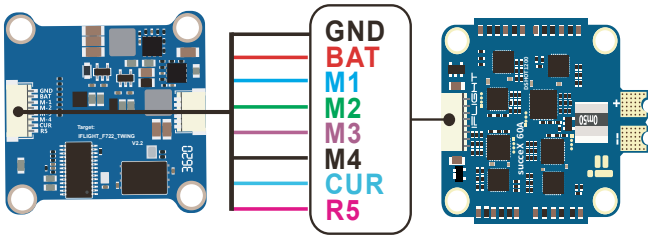
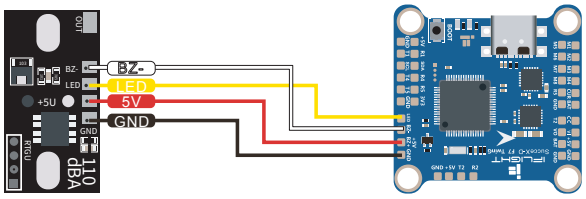


ESC

iFlight-BL32-4IN1
BLHeli_32_32.7



LED/BUZZER



WS 2812

CAM