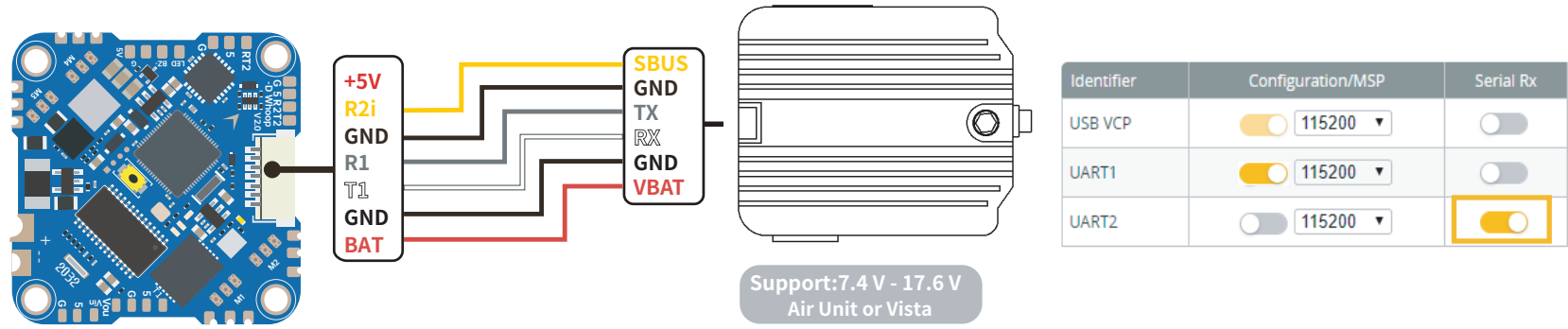# iFlight SucceX-D Whoop V2.0 wiring diagram

Use DJI transmitter

Firmware Target: IFLIGHT_F411_PRO(IFRC)

FC plug&play port and setup compatible to Caddx Vista

+5V / R2i / GND / R1 / T1 / GND / BAT

SBUS / GND / TX / RX / GND / VBAT

Support:7.4 V - 17.6 V Air Unit or Vista

- 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 Beataflight Configurator CLI then hit enter.
Use "save" and hit enter to save the changes .
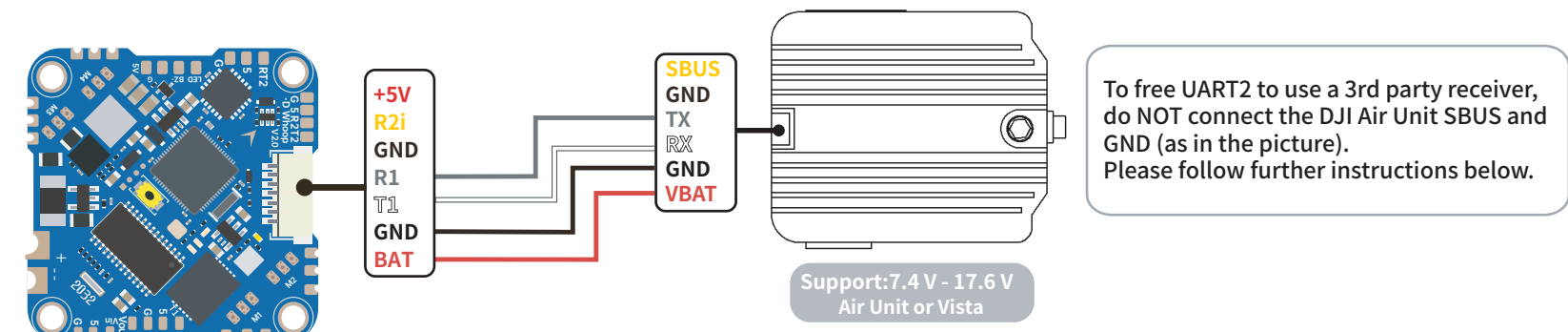Default: sbus_baud_fast=off, Goggle protocol set to NORMAL

Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	off
UART1	115200	off
UART2	115200	on

Receiver

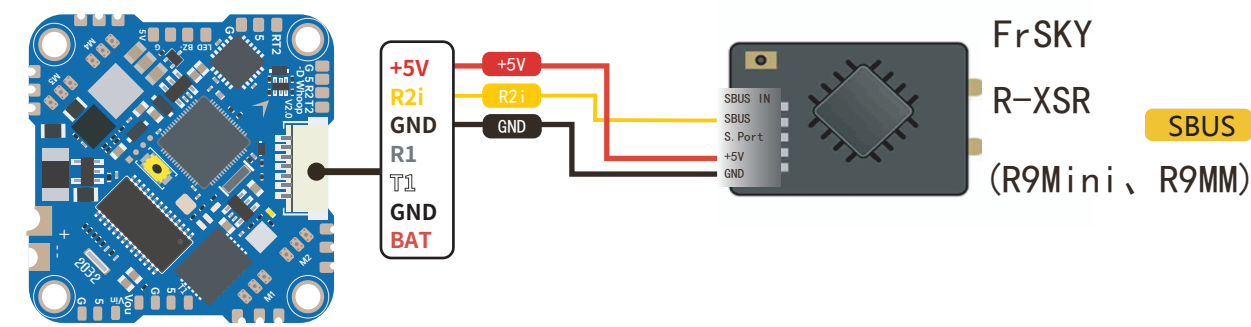Serial-based receiver (SPEKSAT, S ▼) — Receiver Mode

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(HD)

+5V / R2i / GND / R1 / T1 / GND / BAT

SBUS / GND / TX / RX / GND / VBAT

Support:7.4 V - 17.6 V Air Unit or Vista

To free UART2 to use a 3rd party receiver, do NOT connect the DJI Air Unit SBUS and GND (as in the picture).
Please follow further instructions below.

Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	off
UART1	115200	off
UART2	115200	on

+5V / R2i / GND / R1 / T1 / GND / BAT

+5V / R2i / GND

SBUS IN / SBUS / S. Port / +5V / GND
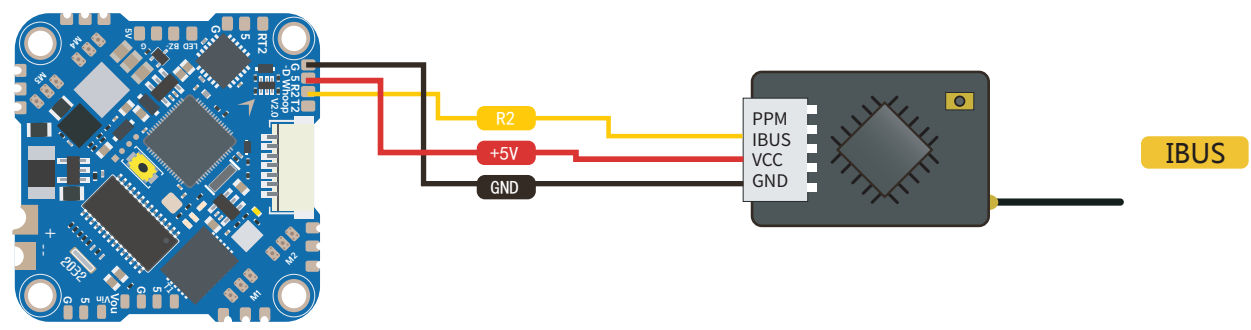
FrSKY R-XSR (R9Mini、R9MM) — SBUS

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

Identifier	Configuration/MSP	Serial Rx	Telemetry Output		Sensor Input		Peripherals	
USB VCP	115200	off	Disabled	AUTO	Disabled	AUTO	Disabled	AUTO
UART1	115200	off	Disabled	AUTO	Disabled	AUTO	VTX (IRC Tran	AUTO
UART2	115200	on	Disabled	AUTO	Disabled	AUTO	Disabled	AUTO

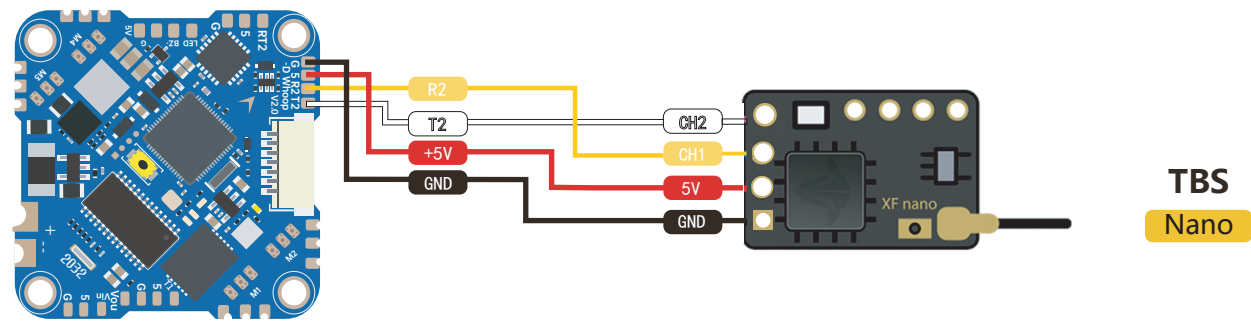R2 / +5V / GND
PPM / IBUS / VCC / GND — IBUS

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.
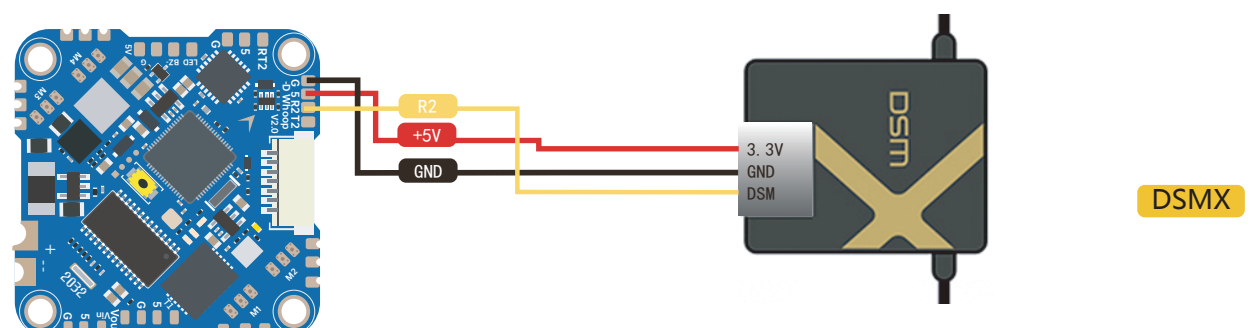
IBUS ▼ — Serial Receiver Provider

R2 / T2 / +5V / GND
CH2 / CH1 / 5V / +5V / GND
TBS Nano (XF 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.
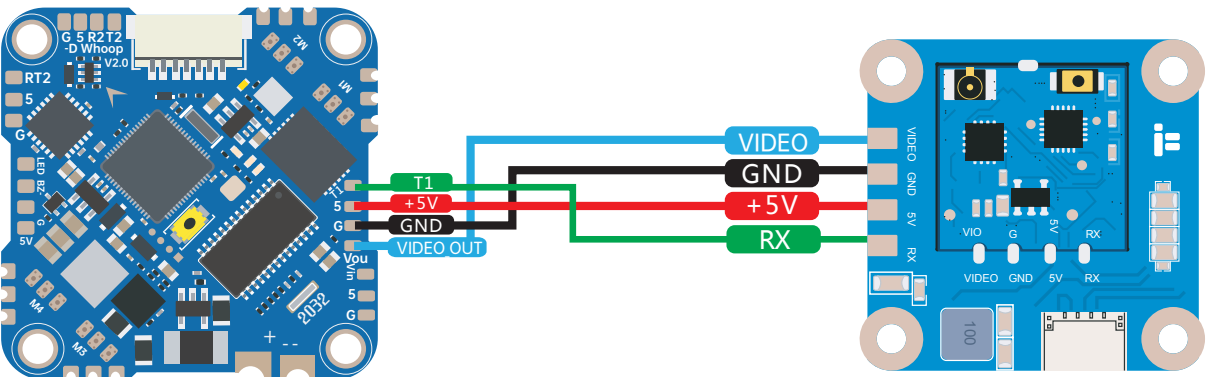
CRSF ▼ — Serial Receiver Provider

R2 / +5V / GND
3.3V / GND / DSM — 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.
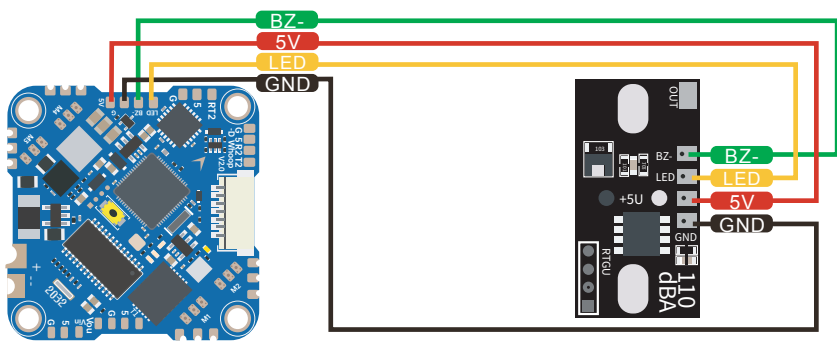
SPEKTRUM2048 ▼ — Serial Receiver Provider

Analog

Identifier	Configuration/MSP	Serial Rx	Telemetry Output		Sensor Input		Peripherals	
USB VCP	115200	off	Disabled	AUTO	Disabled	AUTO	Disabled	AUTO
UART1	115200	off	Disabled	AUTO	Disabled	AUTO	VTX (IRC Tran	AUTO
UART2	115200	on	Disabled	AUTO	Disabled	AUTO	Disabled	AUTO

T1 / +5V / GND / VIDEO OUT

VIDEO / GND / +5V / RX

LED/BUZZER

BZ / 5V / LED / GND

CAM

VIDEO / GND / +5V

CAMERA — VIDEO / GND 5-40V