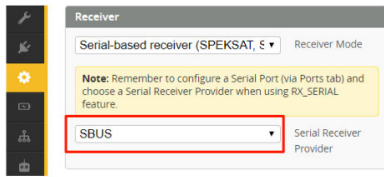
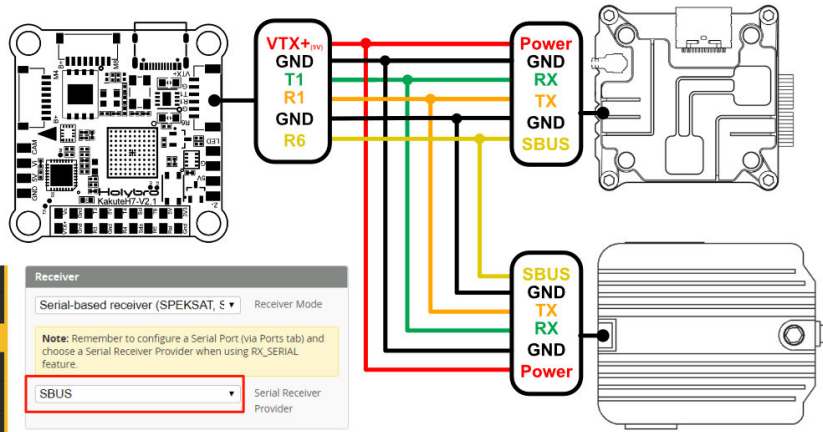


Holybro Docs

Wiring Diagram

Wiring Diagram

Using DJI/Caddx Digital FPV System with DJI Remote Controller

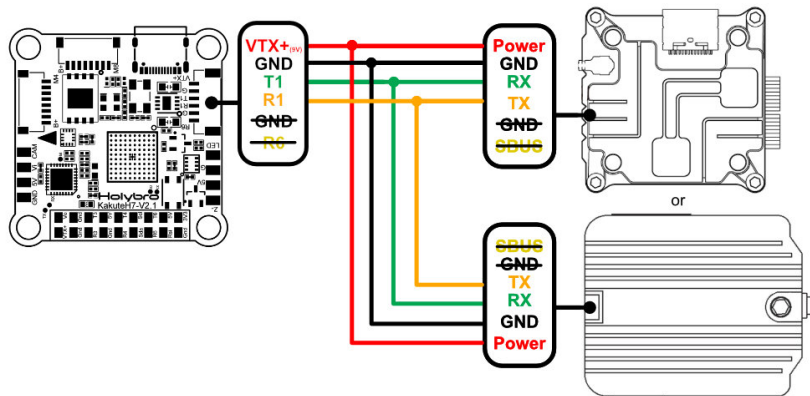


Note:
In order for the flight controller to send OSD information to the Air Unit/Vista, UART1 needs to be set to MSP. If you are using DJI Remote Controller, set Serial Rx on for UART 6.

Ensure your Receiver Protocol is set to SBUS.

Identifier	Configuration/MSP	Serial Rx
USB VCP	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART1	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART2	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART6	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>
UART7	<input type="checkbox"/> 115200	<input type="checkbox"/>

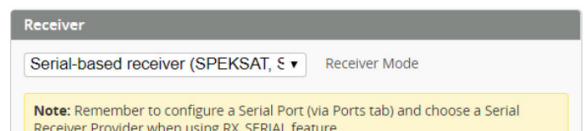
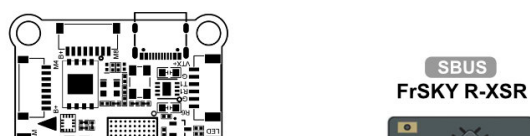
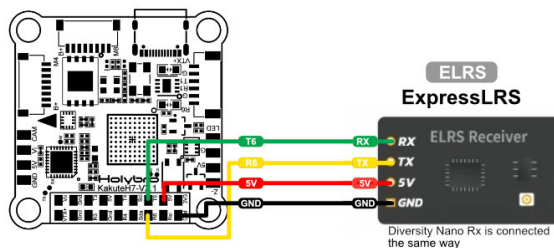
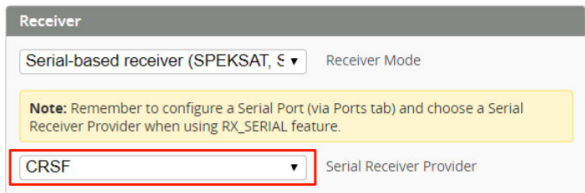
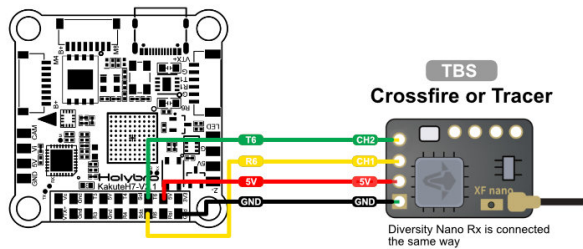
Installing a Receiver (If you are not using the DJI Remote Controller)

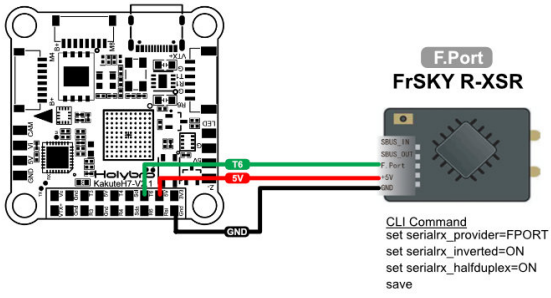
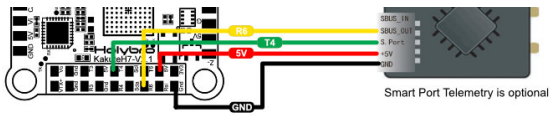


Note:
If you are not using the DJI Remote Controller, do not connect the **SBUS** and **GND** wires. (See Diagram on the left)

Follow the diagrams & instructions below to set up your own Receiver.

Identifier	Configuration/MSP	Serial Rx
USB VCP	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART1	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART2	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART4	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART6	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>
UART7	<input type="checkbox"/> 115200	<input type="checkbox"/>





SBUS Serial Receiver Provider

UART4 115200

Receiver

Serial-based receiver (SPEKSAT,  ) Receiver Mode

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

Serial Receiver Provider

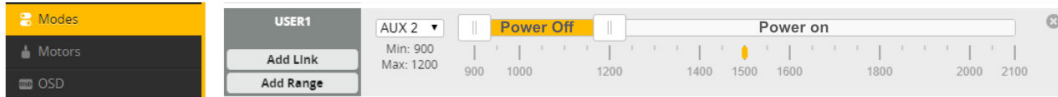
Part 1

Setting up the VTX ON/OFF Pit Switch (Kakute H7 V2 Only)

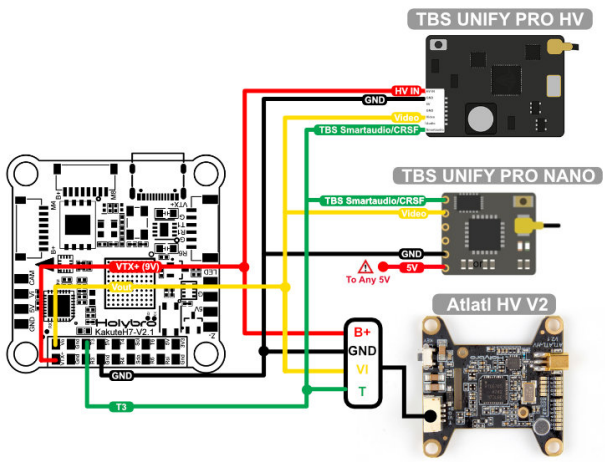
Warning: If using **DJI FPV Remote Controller** with Air Unit or Caddx Vista is power by VTX+, **DO NOT** enable this ON/OFF Pit Switch, Keep it ON by default.

“VTX ON/OFF Pit Switch” allows you to completely power off the video transmitter using a switch on your RC transmitter. Great if you are working on your drone, waiting for the GPS to get a fix, getting ready for a race while preventing it from overheating or interfering with others flying. This VTX+ ON/OFF switch can be enable using USER1 in Mode tab in Betaflight, configure the AUX # & Range to your liking.

If USER1 not in Mode tab, type the following in the CLI:
 set pinio_box=40,255,255,255
 save

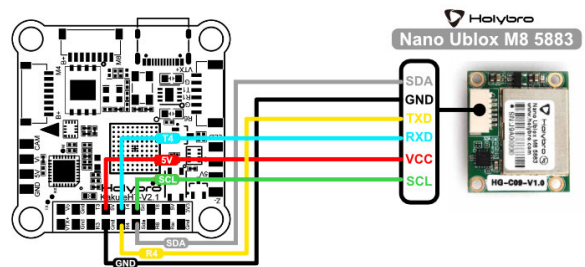


Video Transmitter (Vtx) If you are not Using DJI/Caddx Digital System Vtx



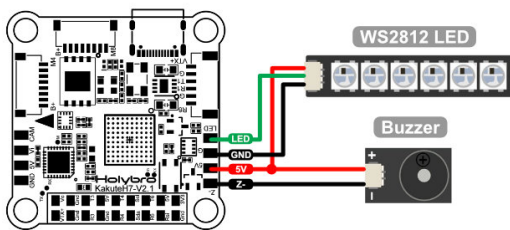
Identifier	Configuration/MSP	Serial Bx	Telemetry Output	Sensor Input	Peripherals
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART1	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART2	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	Disabled / AUTO	VTX (TBS Sm) / AUTO

GPS

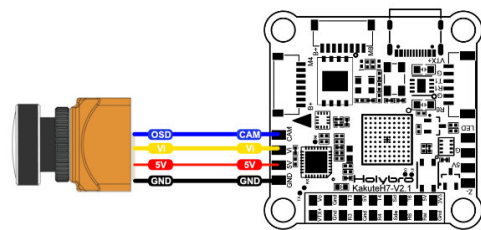


Identifier	Configuration/MSP	Serial Bx	Telemetry Output	Sensor Input
GPS	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled / AUTO	GPS / 57600

Buzzer/LED

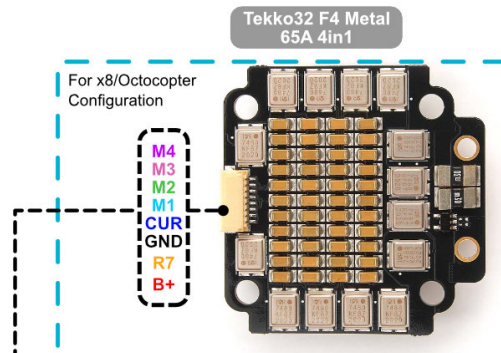
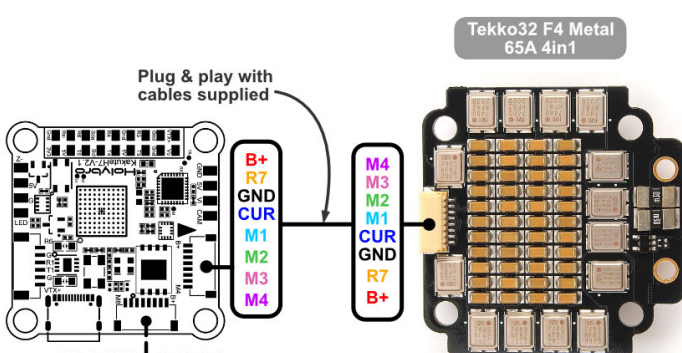


Analog FPV Camera



ESCs

Dual Plug-and-Play 4in1 ESC Ports



B+
R7
GND
CUR
M5
M6
M7
M8

Plug & play with
cables supplied

Note:

For **x8 Cinelifter/Octocopter** configuration, go to Amperate Meter [1/10th mV/A] and change the scale to half of your ESC scale.

Part 2