

SMURFS V2 VTX MANUAL

Product Specifications >>>

Model: SMURFS V2 VTX

Channel: 5.8G Band, 6 Frequency Groups,

48 Transmission Channels

Power Level: 25/100/400/800/1600mW

Antenna Interface: MMCX Interface

Input Voltage: 7V~36V

Configuration Mode: Button Operation, OSD Control

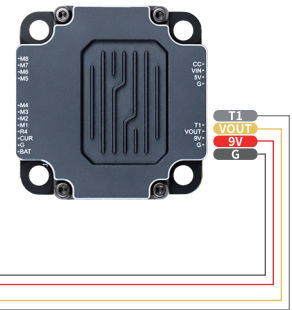
Product Dimensions: 30*30*9,5mm

Product Weight: 14,2g

Mounting Hole Positions: M2

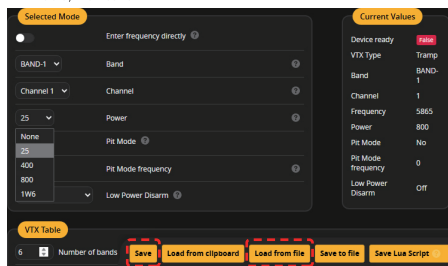
Mounting Hole Spacing: 20*20mm

VTX Protocol: IRC Tramp



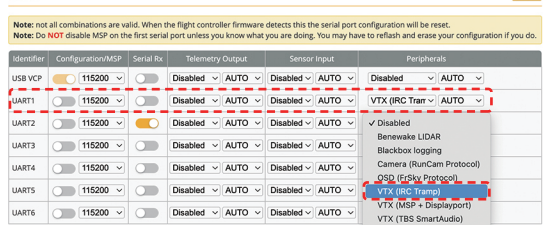
Basic Settings >>>

1. Open VTX settings, click "Load from File" and import the corresponding VTX table, then save.

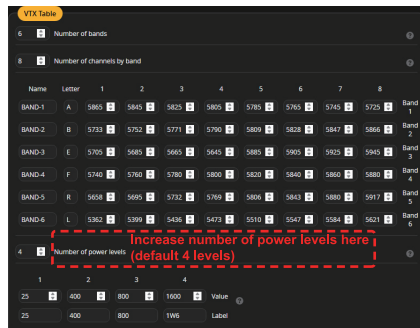
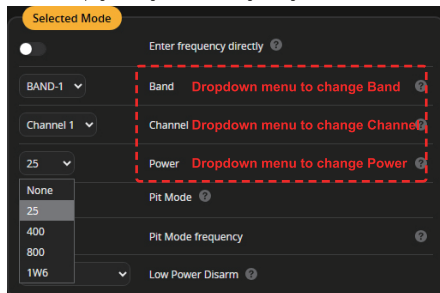


2. Open Ports tab, enable "Peripherals" → "VTX (IRC TRAMP)" for the corresponding UART port.

Ports



3. In the VTX page, configure the following settings.



Operating Instructions >>>

Use the Frequency/Band control button (button labeled BAND on VTX side) to adjust frequency channel and group: Short press (1 sec) changes channel, long press (3 sec) changes group.

Use the Power control button (button labeled PWR on VTX side) to adjust VTX power. Indicators: Green LED = Channel, Blue LED = Group, Red LED = Power.

Band/Group Setting:

Each short press (1 sec) of the Frequency/Band button lights the outer green LED

and cycles channel: CH1→CH2→CH3→CH4→CH5→CH6→CH7→CH8→CH1.

Status indication: CH1 blinks once, CH2 twice... CH8 eight times.

Each long press (3 sec) lights the adjacent blue LED and cycles group:

A→B→E→F→R→L→A, Status: A blinks once, B twice, E three times, F four times,

R five times, L six times.

Power Setting:

Short press Power button cycles power level: PIT→25mW→100mW→400mW→800mW→1600mW→PIT. Red LED indicates power: 25mW blinks once, 100mW twice, 400mW three times, 800mW four times, 1600mW five times.

Long press Power button enters Pit mode (red LED solid), Long press again exits Pit mode.

Usage Notes >>>

1. Mount VTX with sufficient airflow around it for cooling. Overheating triggers power reduction or shutdown.

2. Connect antenna to RF output before powering on to avoid damaging components and extend module life.

3. Verify correct voltage range and polarity before connecting power to prevent component damage.

4. Read manual before use for correct wiring and extended module lifespan.



For more details please access: www.axisflying.com