

# Tx2501 VTX User Manual

The TX2501 is powerful VTX which have 2.5W output, the heat sink dispath the heat quickly from VTX, LED segment make the VTX easy to set and check the BAND/CH/POWER, its also support X Band(5G Hz) and Low Band.

## Features:

- 1, Support X Band(5G Hz) and Low Band
- 2,Heat Sink to dispath heat
- 3, 25/800/1600/2500mW adjustable power output
- 4, 7-26V Wide Range Voltage input
- 5, LED Segment Display, easy to check status of the VTX
- 6, Button/IRC control, fast to change the CH and Power

**Notice!** :You can only choose one of the Button mode and the IRC mode. If you use the button mode, you need to turn off the IRC protocol in BF. The LED segment displays the BAND/CH and power in sequence in the button mode, and the frequency and power at IRC mode.

## Power Output at X Band

X	4990M	5020M	5050M	5080M	5110M	5140M	5170M	5200M
Power	1W	1.2W	1.4W	1.5W	2W	2.2W	2.4w	2.5W

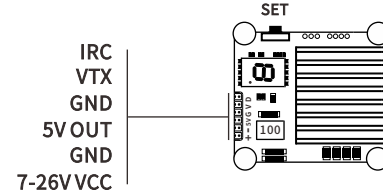
## Power Level



## Frequency Table

Band	CH 1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
A	5865M	5845M	5825M	5805M	5785M	5765M	5745M	5725M
B	5733M	5752M	5771M	5790M	5809M	5828M	5847M	5866M
E	5705M	5685M	5665M	5645M	5885M	5905M	5925M	5945M
F	5740M	5760M	5780M	5800M	5820M	5840M	5860M	5880M
R	5658M	5695M	5732M	5769M	5806M	5843M	5880M	5917M
L	5362M	5399M	5436M	5473M	5510M	5547M	5584M	5621M
X	4990M	5020M	5050M	5080M	5110M	5140M	5170M	5200M

## Wiring Diagram



## How to manually set the VTX

Disable the IRC protocol on betaflight UART tab

**Step 1:** hold button for 3 seconds into BAND setting mode.

**Step 2:** Under BAND setting mode, short press the button to change BAND , long press button 3s to enter CH setting mode.

**Step 3:** Under CH setting mode, short press the button to change CH, hold button 3s to enter the Power setting mode.

**Step 4:** Under Power setting mode , short press to adjust the power, and long press for 3 seconds to save.