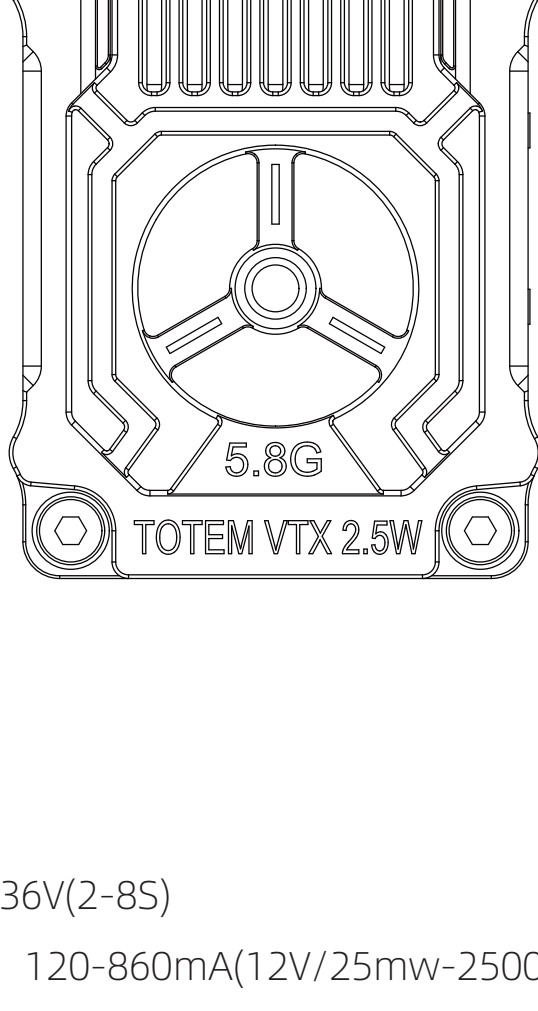


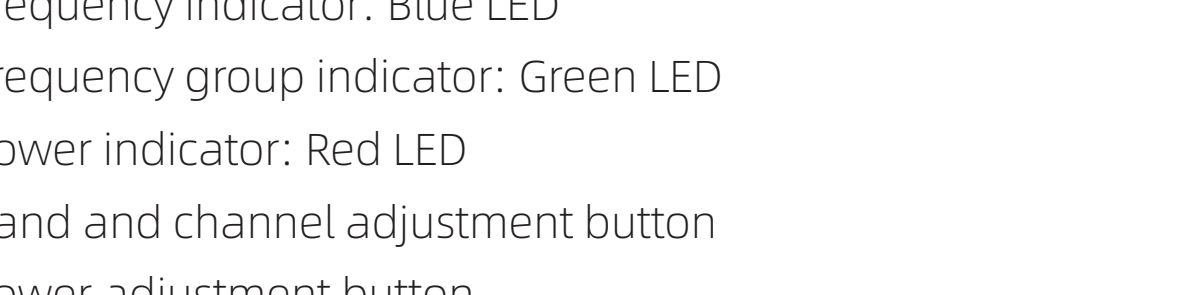
TOTEM 5.8G 2.5W VTX Product description



Specifications

- 1: Input Voltage: DC 7-36V(2-8S)
- 2: Power Consumption: 120-860mA(12V/25mw-2500mw)
- 3: Operating temperature: -10~60°C
- 4: Impedance: 75Ω
- 5: Dimensions: 39.2×29×12mm
- 6: Connector: MMCX
- 7: Format: NTSC/PAL
- 8: Protocol: IRC Tramp
- 9: Weight: 16.5g
- 10: Mounting: 25.5*25.5mm/ØM2
- 11: Power Output: 25mW/400mW/800mW/1600mW/2500mW/Pit
- 12: Built-in microphone

Buttons and LED indicator definition



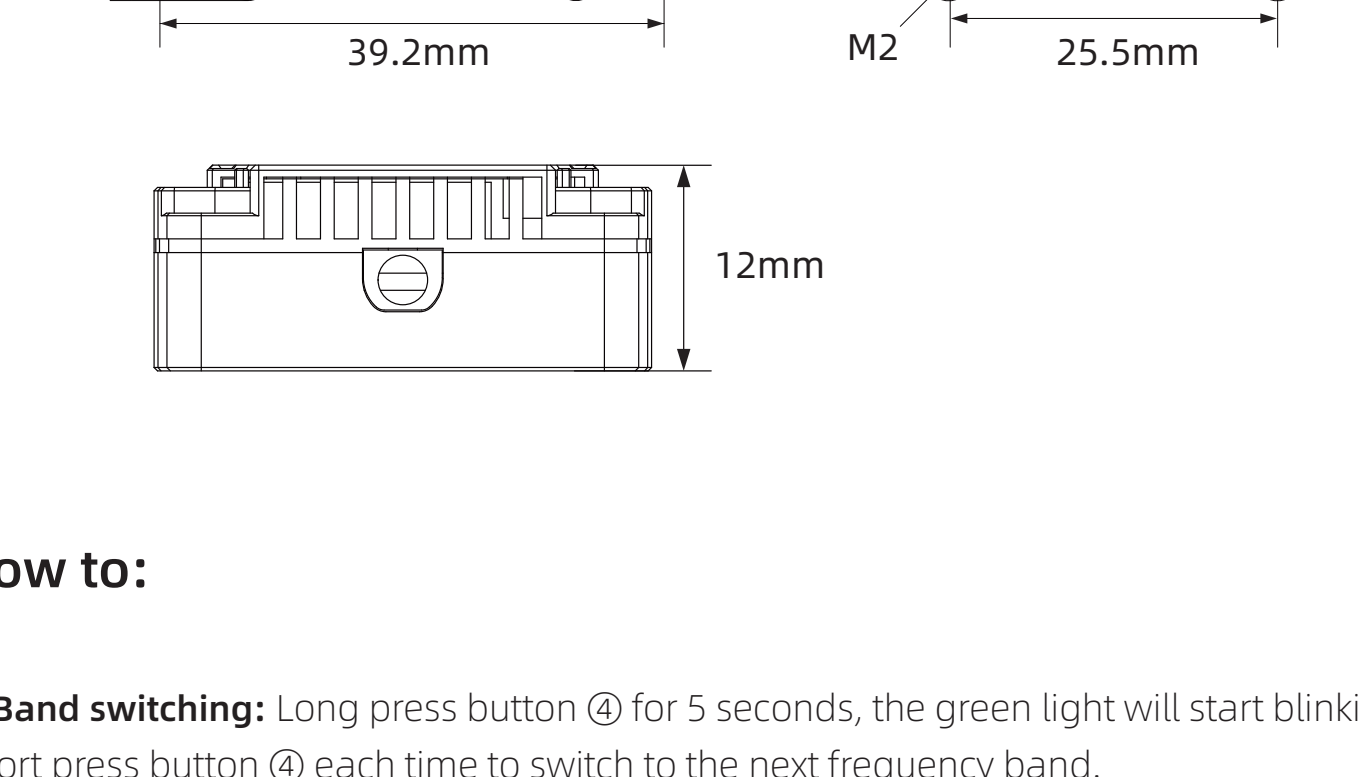
- ①: Frequency indicator: Blue LED
- ②: Frequency group indicator: Green LED
- ③: Power indicator: Red LED
- ④: Band and channel adjustment button
- ⑤: Power adjustment button
- ⑥: SH1.0mm-6P
- ⑦: Connector: MMCX

Wiring diagram



GND:GND VIDEO:VIDEO
7-36V IN:2-8S GND:GND
RX-IRC:IRC Tramp 5V-OUT:5V

Dimensions:



How to:

1. Band switching: Long press button ④ for 5 seconds, the green light will start blinking. Short press button ④ each time to switch to the next frequency band. The corresponding blue LED will flash, and the number of flashes represents the corresponding frequency band, A,B,EF,RL. See the picture below for details!

Blue LED	BAND A	BAND B	BAND E	BAND F	BAND R	BAND L
●●●	1 Flash	2 Flashes	3 Flashes	4 Flashes	5 Flashes	6 Flashes

2. Frequency channel switching: Short press button ④ to switch channels. The corresponding green LED will flash each time the button is short-pressed. The number of flashes represents the corresponding channels 1.2.3.4.5.6.7.8; see the picture below for details!

Short press the button ④ to switch channel								
Green LED	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
●●●	1 Flash	2 Flashes	3 Flashes	4 Flashes	5 Flashes	6 Flashes	7 Flashes	8 Flashes

3. Power output switching: Each short press of button ⑤ switches the power level once among 25mW, 400mW, 800mW, 1500mW, and 2500mW, cycling between these five settings. The number of flashes of the red LED corresponds to the power level, as shown in the diagram below.

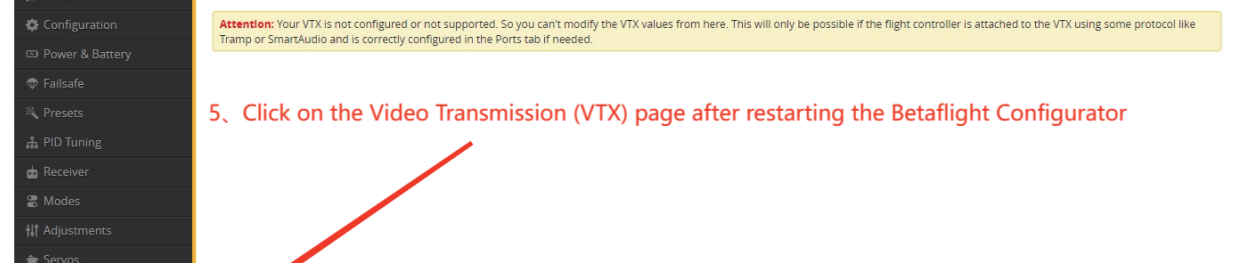
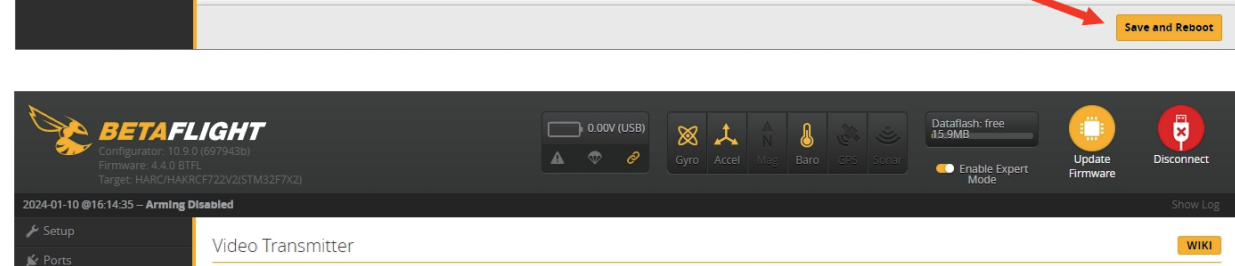
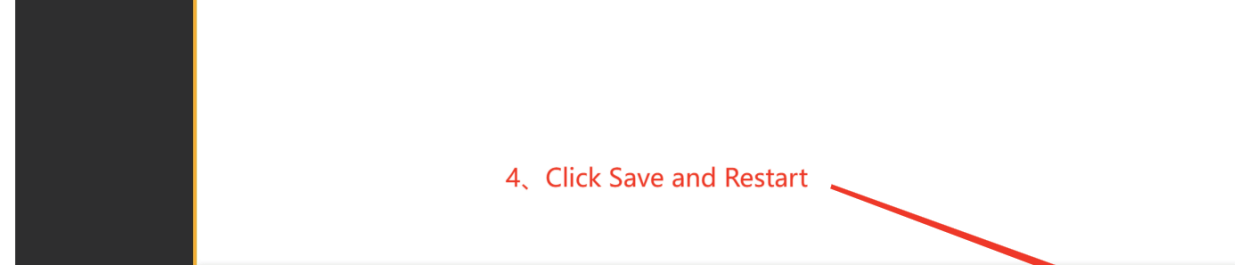
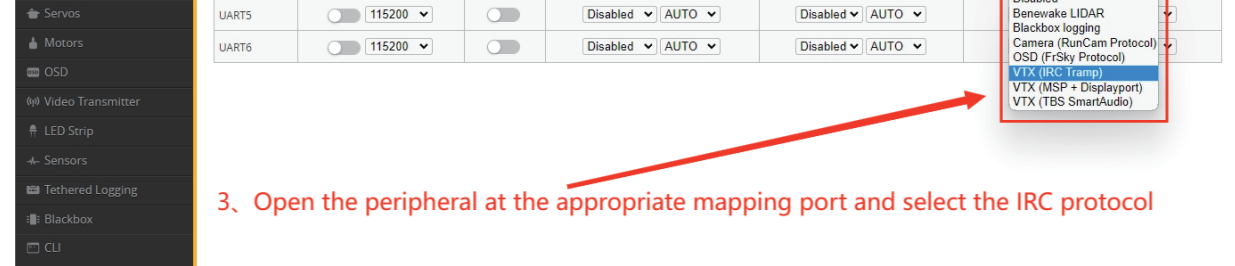
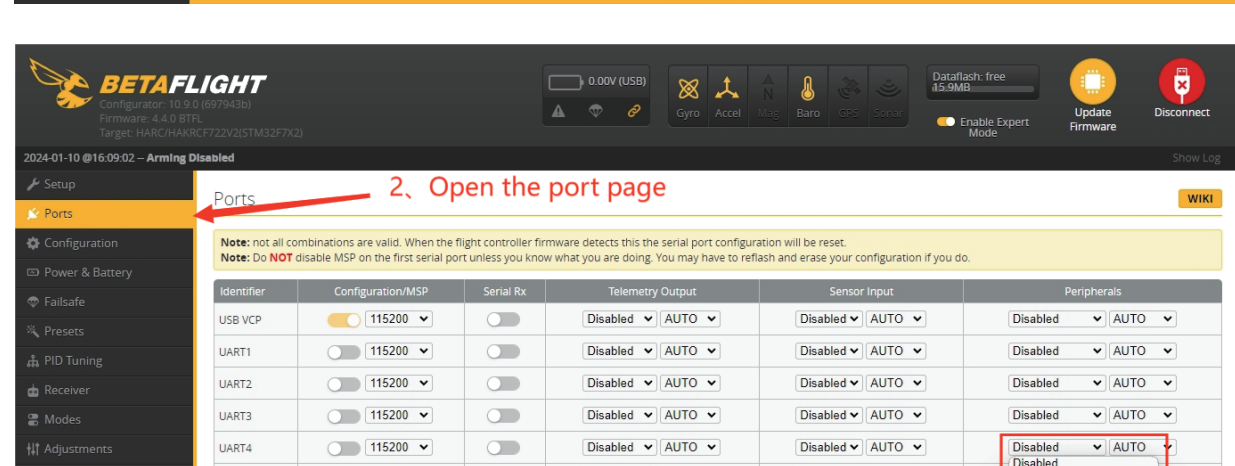
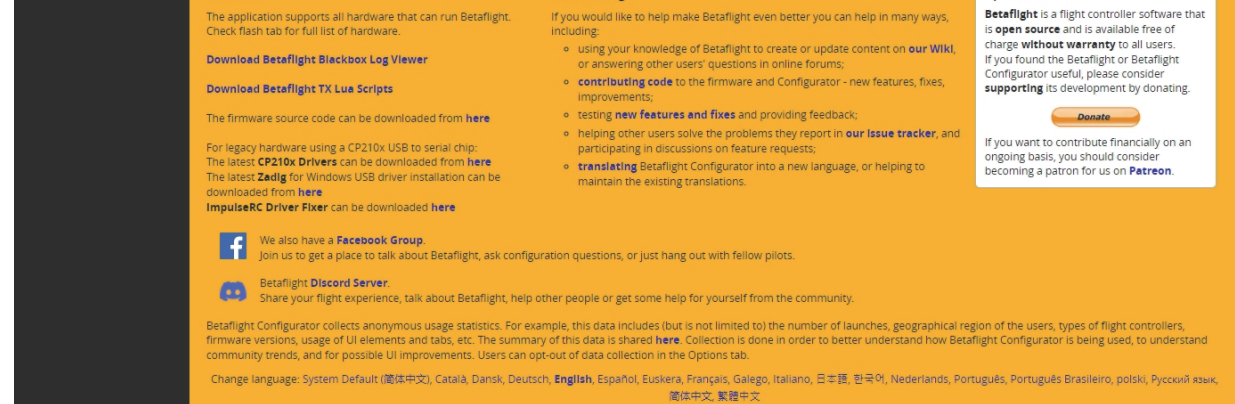
Long-pressing button ⑤ for 5 seconds enters or exits Pit mode; when Pit mode is activated, the red light remains on continuously. Refer to the diagram below for further details!

1. Short press button ⑤ to switch power levels 2. Long press button ⑤ for 5 seconds to enter or exit Pit mode.						
Red LED	Pit Mode	25mW	400mW	800mW	1600mW	2500mW
●●●	Continuous	1 Flash	2 Flashes	3 Flashes	4 Flashes	5 Flashes

Band and frequency table

Letter	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	
A	5865M	5845M	5825M	5805M	5785M	5765M	5745M	5725M	Band 1
B	5733M	5722M	5711M	5700M	5689M	5678M	5667M	5656M	Band 2
E	5705M	5685M	5665M	5645M	5625M	5605M	5925M	5945M	Band 3
F	5740M	5760M	5780M	5800M	5820M	5840M	5860M	5880M	Band 3
R	5658M	5695M	5732M	5769M	5806M	5843M	5881M	5917M	Band 5
L	5362M	5399M	5436M	5473M	5510M	5547M	5584M	5621M	Band 4

UART



Precautions

1. Before turning on the power, you must make sure that an antenna has been plugged in, otherwise the components will be damaged!
2. While in operation, VTX may generate high temperatures. Please do not touch it directly with your hands to avoid burns.
3. There should be space at the antenna transmission installation location to ensure proper heat convection around the module and ensure proper heat dissipation of the module.
4. When using this product, please comply with local radio laws and regulations and use locally allowed channel frequencies.
5. Before turning on the power, make sure the voltage range is 7-36V and the positive and negative poles are correct to avoid damaging the components.
6. Use high-quality antennas to ensure effective output of image transmission performance.
7. If the image transmitter is in a static state for a long time after being powered on, set the power to the minimum to avoid overheating.

Disclaimer

1. Before using this product, please carefully read and follow all safety and compliance guidelines provided in this document and related to this product.
2. The video transmission is set to a default power of 25mW. Operating at power levels beyond 25mW requires an HAM license or approval from local authorities. Please ensure you are using legal frequencies and refer to the Betaflight VTX chart provided for your specific region.