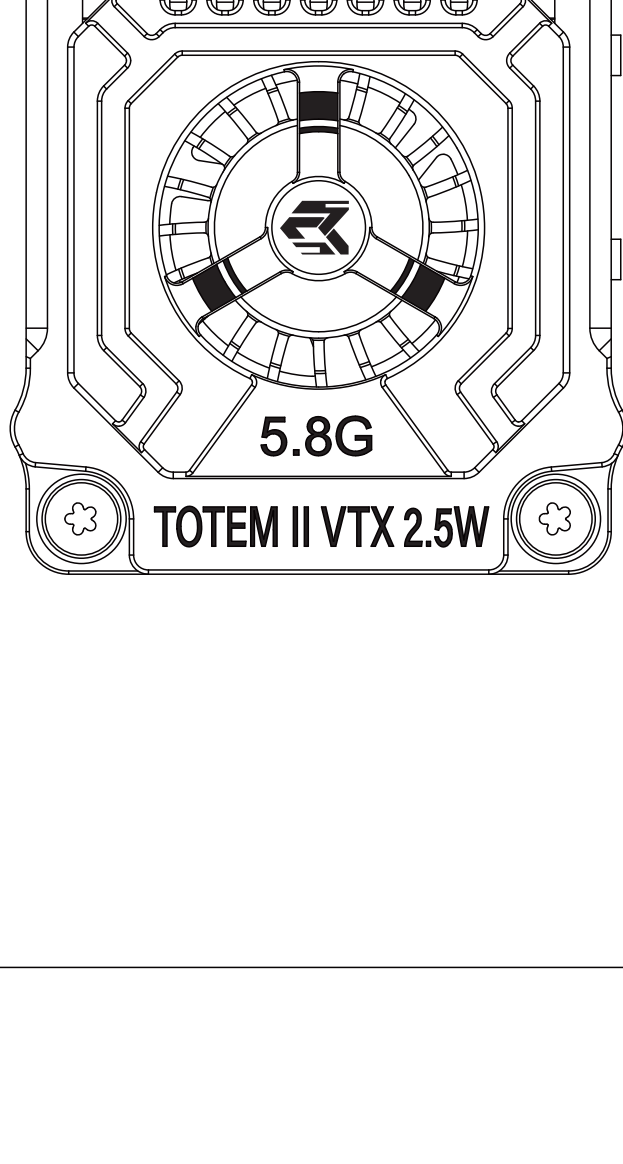


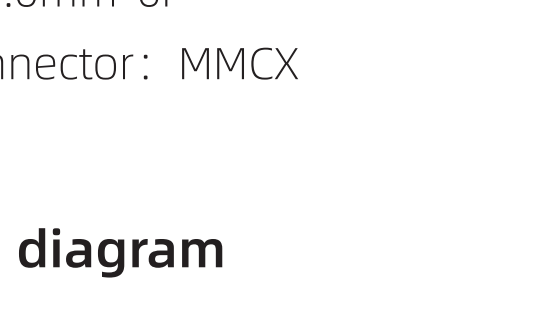
TOTEM II 5.8G 2.5W VTX Product description



Specifications

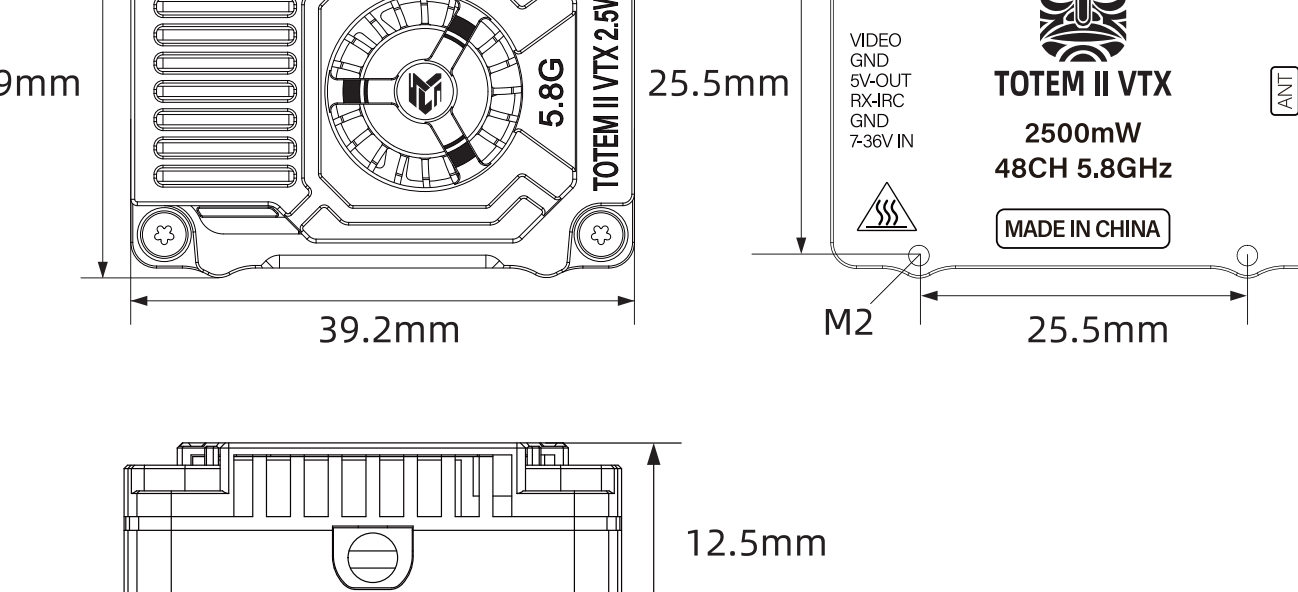
- 1: Input Voltage: DC 7-36V(2-8S)
- 2: Power Consumption: 120-860mA(12V/25mw-2500mw)
- 3: Operating temperature: -10~60°C
- 4: Impedance: 75Ω
- 5: Dimensions: 39.2×29×12.5mm
- 6: Connector: MMCX
- 7: Format: NTSC/PAL
- 8: Protocol: IRC Tramp
- 9: Weight: 15.8g
- 10: Mounting: 25.5*25.5mm/ M2
- 11: Power Output: 25mW/400mW/800mW/1500mW/2500mW/Pit

Buttons and LED indicator definition



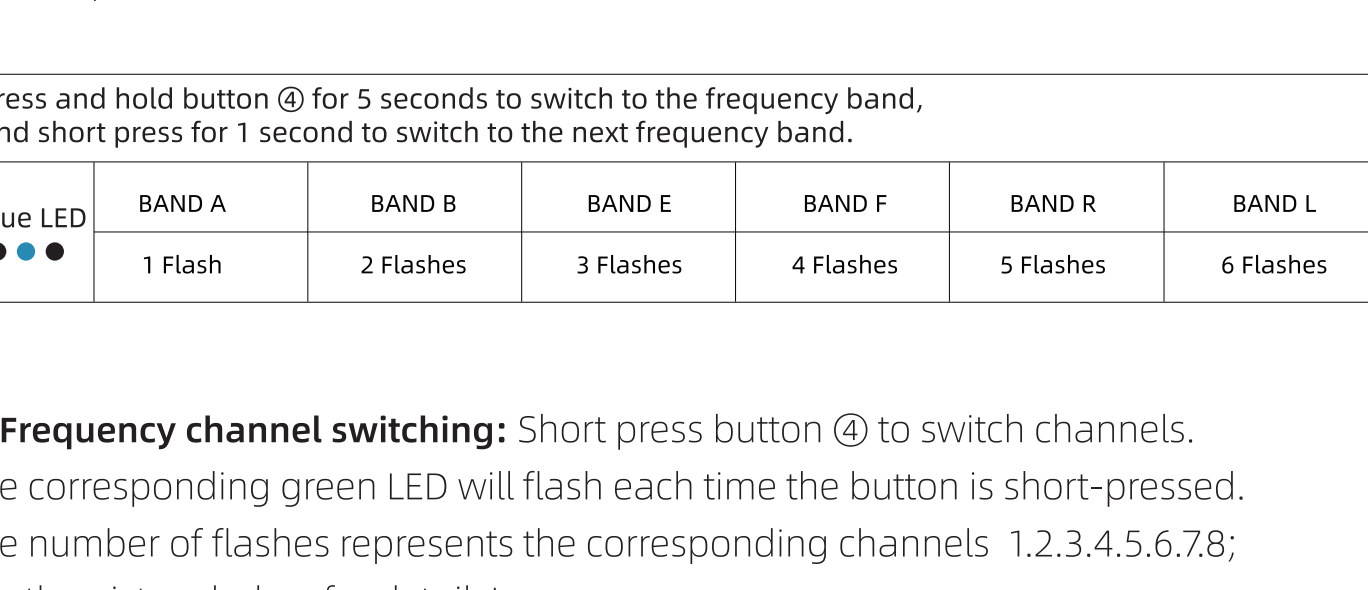
- ①: Frequency indicator: Green LED
- ②: Frequency group indicator: Blue LED
- ③: Power indicator: Red LED
- ④: Band and channel adjustment button
- ⑤: Power adjustment button
- ⑥: SH1.0mm-6P
- ⑦: Connector: MMCX

Wiring diagram



GND:GND
7-36V IN:2-8S
RX-IRC:IRC Tramp
VIDEO:VIDEO
GND:GND
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.E.F.R.L. See the picture below for details!

Press and hold button ④ for 5 seconds to switch to the frequency band, and short press for 1 second to switch to the next frequency band.						
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
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	1500mW
Continuous	1 Flash	2 Flashes	3 Flashes	4 Flashes	5 Flashes

Band and frequency table

CH	CH1	CH2	CH3	CH4	CH5	CH6	CH7
BAND A	5865	5845	5825	5805	5785	5765	5745
BAND B		5752	5771	5790	5809	5828	5847
BAND F			5780	5800	5820	5840	5860
BAND R			5732	5769	5806	5843	

UNIT:MHZ

Frequency of VTX complies with FCC Certification Standard

UART

1. Connection to Betaflight-Configurator

2. Open the port page

3. Open the peripheral at the appropriate mapping port and select the IRC protocol

4. Click Save and Reboot

5. Click on the Video Transmitter(VTX)page after reboot the Betaflight Configurator

6. Click to load from file

7. Find the corresponding .json suffix map transfer profile file

8. Click to open

9. Click Save after loading the image transfer profile.

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 image transmission installation location to ensure air 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.
8. When utilizing IRC Tramp for video transmission, adjustments to the frequency band, channel, or power settings cannot be made via buttons. These changes must be configured through the Betaflight Configurator or by using the OSD interface with the remote control.

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.

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.