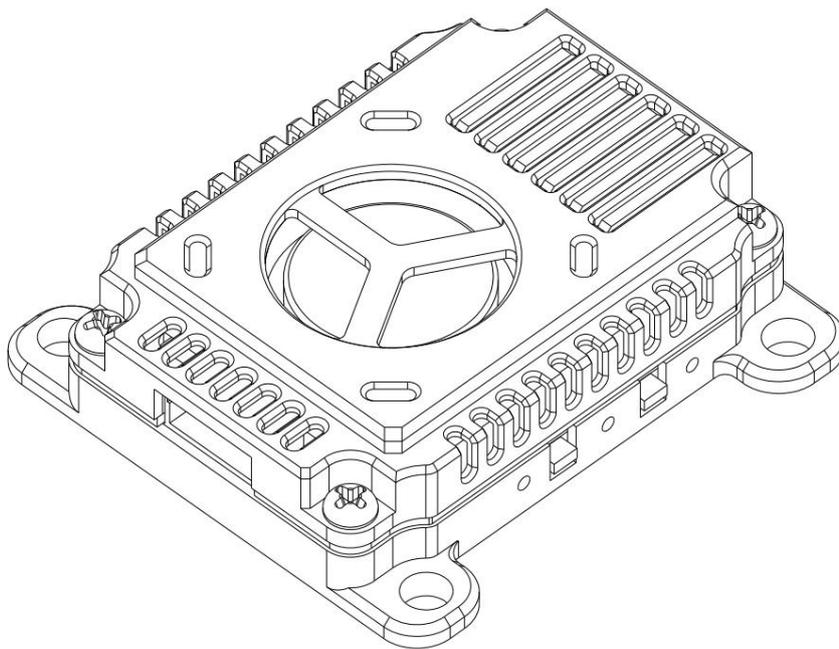
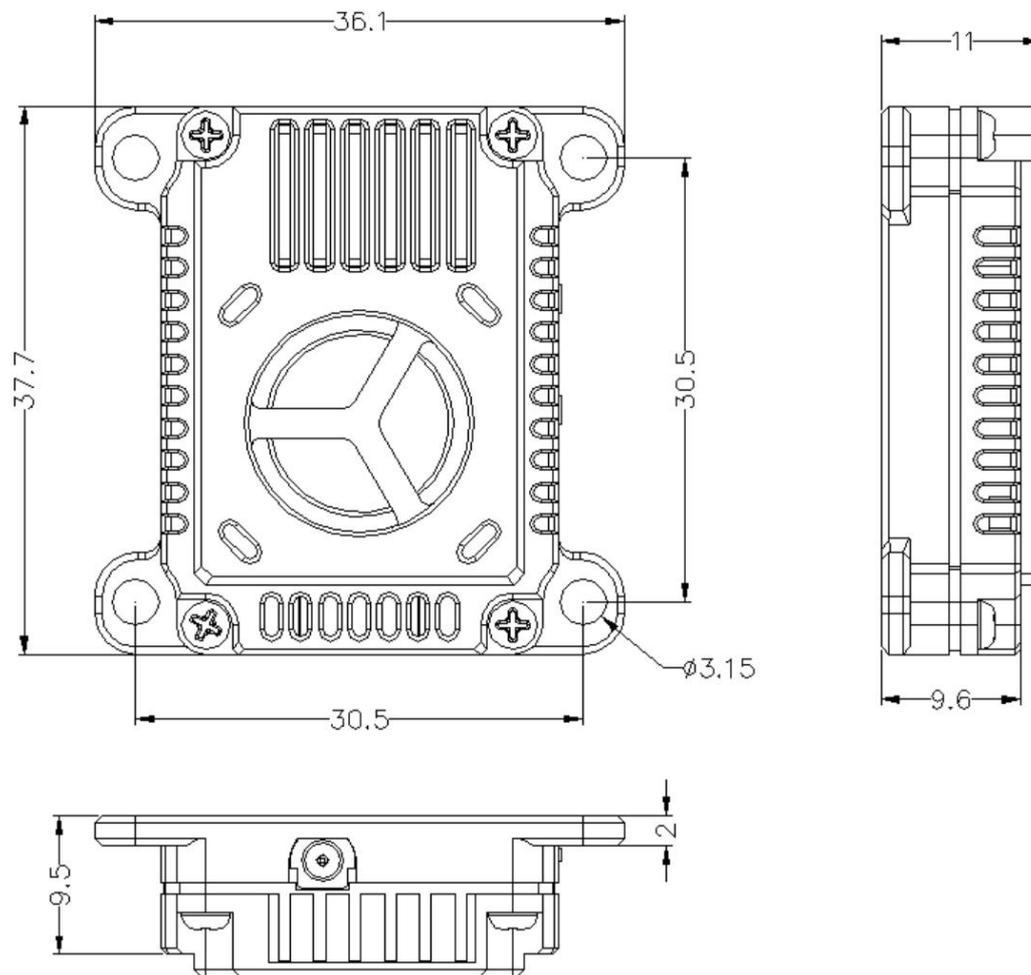


# Operation Instruction of 4.9GHz 2.5W Transmitter (TX)

## I. Product appearance



## II. Product dimension

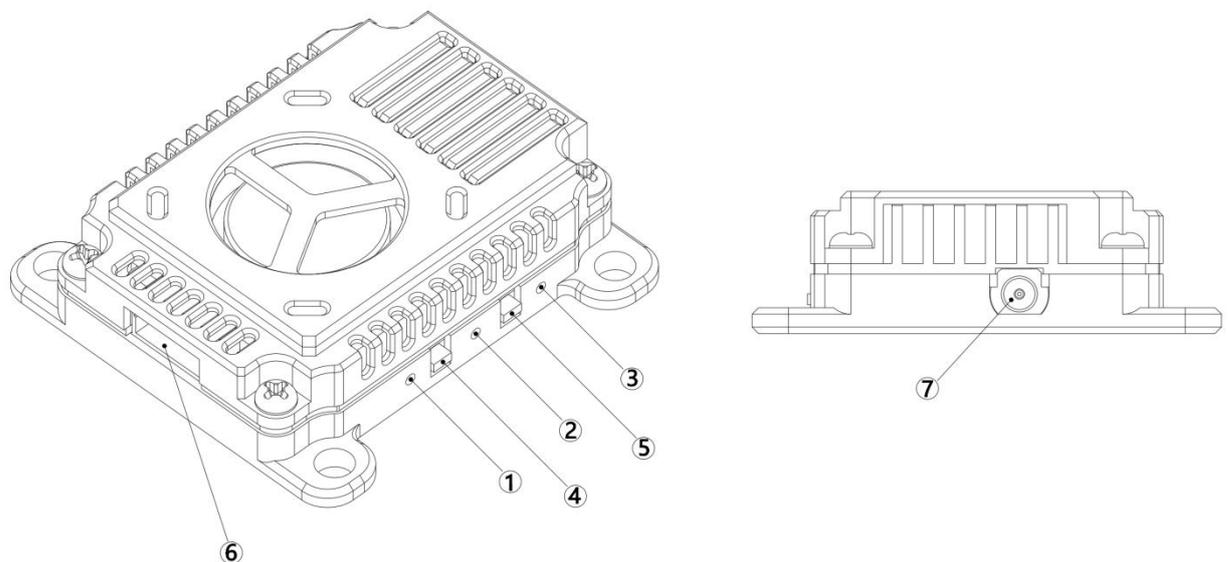


## III. Specifications:

1. 8CH 4.9G frequency range: ( 4990MHz-5200MHz);
2. Max power: 2.5W (25mW/1000mW/2000mW/2500mW adjustable);
3. Input voltage: DC 7V-36V, supporting 2-8S battery input
4. Antenna connector: MMCX

5. Smart audio: IRC Tramp
6. Heat-dissipating method: aluminum alloy heat sink&fan
7. Hole spacing: 30.5mm\*30.5mm /ø3.15mm
8. Dimension: 37.7mm\*36.1mm\*11mm
9. Weight: 16g

#### IV. Function introduction:



1. Channel indicator: Red LED
2. Band indicator: Blue LED
3. Power level indicator: Green LED
4. Band and channel changer button
5. Power changer button
6. 1.0 6P Power connector
7. MMCX antenna connector

## V. Control method and LED indicator

1. Button ④ is for switching channels; every time when button ④ is pressed for a short time to switch to the next channel, the red LED ① will flash, 1.2.3.4.5.6.7.8 in turn. The operation can be cyclic; see the following diagram for details!

Short press button ④ for switching channels								
Red LED	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
	Flash once	Flash twice	Flash for 3 times	Flash for 4 times	Flash for 5 times	Flash for 6 times	Flash for 7 times	Flash for 8 times

2. Button ⑤ is for switching RF power; every time when button ⑤ is pressed for a short time to switch to the next RF power level, RF power cycling between 25mW, 1000mW, 2000mW and 2500mW. Green LED is the RF power level indicator and its status is shown in the following diagram. 25mW LED will flash once, 1000mW twice, 2000mW for 3 times and 2500mW for 4 times. When the button is pressed and held for more than 3 seconds, the Transmitter will enter pit mode, the green LED will remain permanently on. See the following diagram for details!

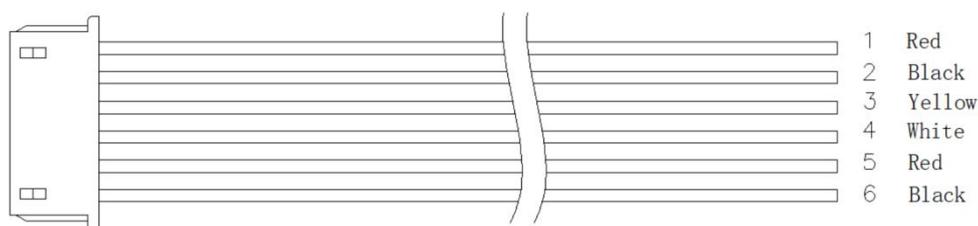
1. Short press button ⑤ for switching RF power level; long press to enter Pit mode					
Green LED	Pit mode	25mW	1000mW	2000mW	2500mW
	Turned on	Flash once	Flash twice	Flash for 3 times	Flash for 4 times

**Notice: The transmitter is equipped with temperature protection function. When the temperature of transmitter is higher than 100°C, the RF power of the Transmitter will be lowered for one level. If the temperature is still greater than 100°C, the power can be lowered for another level until the lowest power (25mW) is reached; at this time, the temperature of the Transmitter module will drop. When the temperature is lower than 95°C, the Transmitter power will return to the originally power level.**

## VI. Frequency Table

Frequency Table										
Channel		1	2	3	4	5	6	7	8	
1	Band A	4990	5020	5050	5080	5110	5140	5170	5200	MHz

## VII. Illustrate of 6P 1.0 Wiring



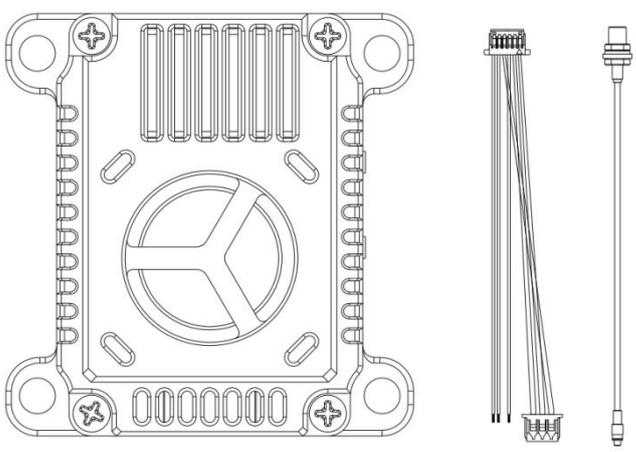
Wiring Table:

NO	1	2	3	4	5	6
FUN	7-36V	GND	Video	IRC	5VOut	GND
Color	Red	Black	Yellow	White	Red	Black

## VIII. Notice for Use:

1. A certain space shall be reserved when the transmitter is installed to ensure the air convection around the module and module cooling; otherwise, if the overheating protection of the module is started, the power emission will be lowered and even closed.
2. We suggested to ensure correct voltage scope and correct positive and negative anodes before powering-on to avoid element burning-out.
3. We suggested to confirm antenna has been installed at the RF output terminal before powering-on to extend the service life of transmitter.
4. Please read the Instruction before use to ensure correct wiring and extend the service life of transmitter.

## **IX. Packing list:**



**1. 1 \* 4.9GHz VTX**

**2. 1 \* MMCX interface antenna connection cable**

**3. 1 \* 6P 1.0 connecting wiring**