

User Manual

01 Specifications

Model	5.8GHz Video Transmitter
Frequency	5.7GHz-5.8GHz
VTx Port	SMA Female Connector
Antenna Port	SMA Male Connector
Supply Voltage	7-30V
Size	36*36mm
Pitch-row	30.5*30.5mm

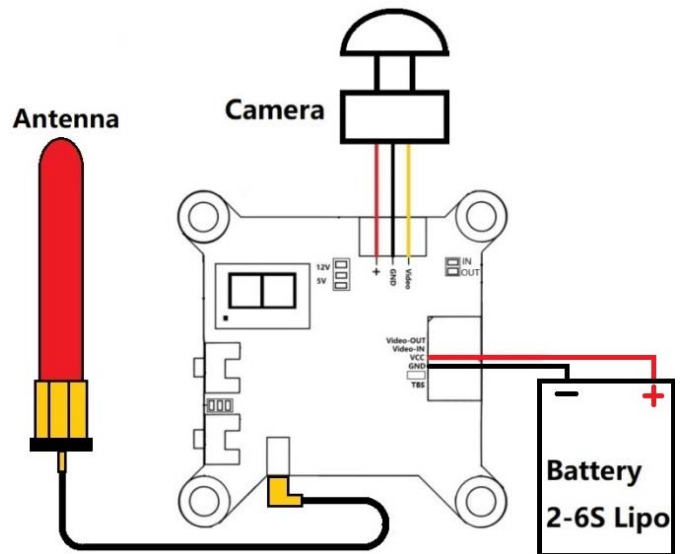
02 Installation

- 1) Use the 3pin connector wire(red black and yellow) connect the camera and VTx .(as the picture shown beside) .
- 2) Connect the VTx“VCC” port to the battery “+” , and “GND” port to the battery “-“(battery voltage must be 7-30V (2-6S Lipo)) .
- 3) The module leaves the factory with the antenna permanently attached/glued.
- 4) Antenna manufacturer: HOBBYWING TECHNOLOGY Co., LTD.

Antenna brand: not applicable

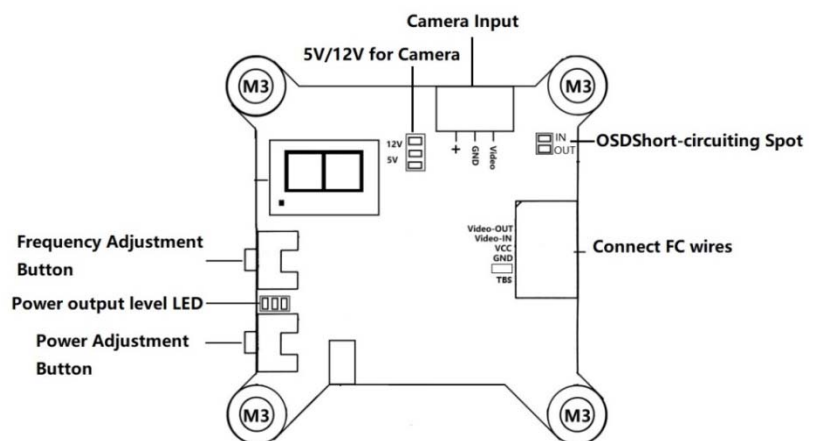
Antenna model name:5.8GHz antenna ;

Antenna gain:2.5dbi



03 Layout & Ports of the Video Transmitter (VTx)

- Short circuit the two OSD soldering points when using the VTX separately , and do not short circuit the two points when pairing the VTX with the HobbywingF4 flight controller and XRotor Micro 45A 4-in-1 ESC .
- Short circuit the corresponding two soldering points to select the supply voltage of 5V/12V. If short circuit the upper two points, then the VTX will provide the voltage of 12V to the camera; if short circuit the lower two points, then the VTX will provide the voltage of 5V to the camera.



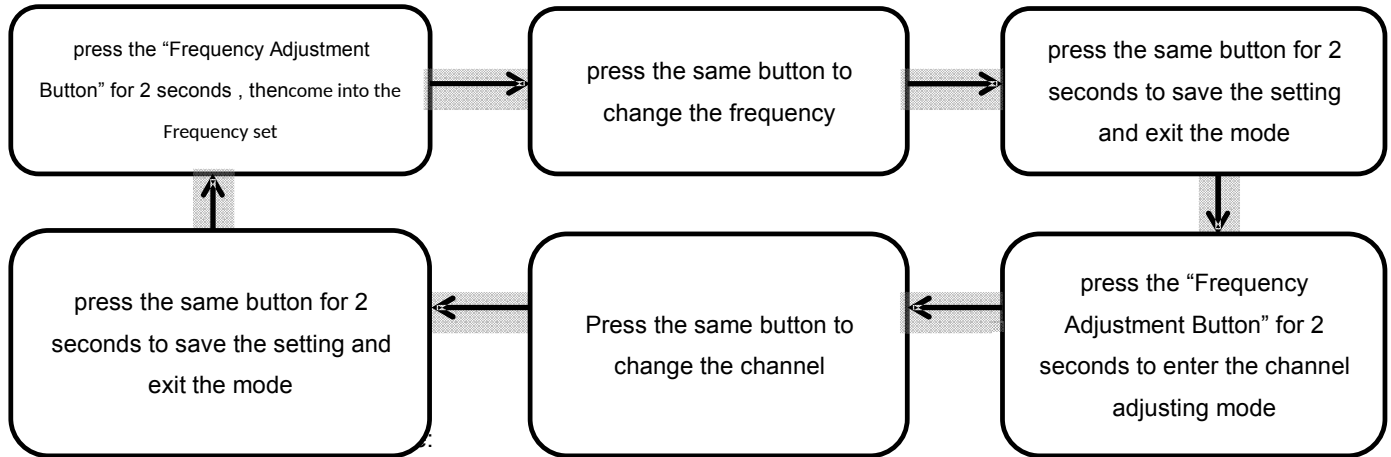
04 Parameter Adjustment

Frequency Point Adjustment (Frequency Set-Channel forms Frequency Point)

- 1) Display: If the LED segment display on the VTX displays “A2”, then it means the corresponding frequency is 5845MHz (as shown in the form below).
- 2) Frequency Set Adjustment: press the “Frequency Adjustment Button” for 2 seconds to enter the frequency adjusting mode, and the LED segment display starts to flash; press the same button to change the frequency, the frequencies are circularly displayed (from A to F); and press the same button for 2 seconds to save the setting and exit the mode after selecting the corresponding frequency.

Channel Adjustment: press the “Frequency Adjustment Button” for 2 seconds to enter the channel adjusting mode, and the LED

segment display starts to flash; press the same button to change the channel, the channels are circularly displayed (from 1 to 8); and press the same button for 2 seconds to save the setting and exit the mode after selecting the corresponding channel.that's to adjust the channel after adjusting the frequency or adjust the frequency after adjusting the channel



Channel Frequency	1	2	3	4	5	6	7	8
A		5845MHz	5825MHz	5805MHz	5785MHz	5765MHz	5745MHz	
B	5733MHz	5752MHz	5771MHz	5790MHz	5809MHz	5828MHz	5847MHz	
F	5740MHz	5760MHz	5780MHz	5800MHz	5820MHz	5840MHz		
R			5732MHz	5769MHz	5806MHz	5843MHz		

Federal Communication Commission Statement (FCC, U.S.)

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 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.

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.

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTES

OEM integration instructions:

This module is intended only for OEM integrators under the following conditions:

This module is for professional installation only.

This module must be restricted to battery powered host devices only.

This module may not be co-located with any other transmitter or antenna.

This module shall only be used with the external antenna(s) as originally tested and certified with this module.

The OEM integrator is still responsible for testing their end-product for any additional compliance requirements for this module when installed, for example the 15C parameters of the RF module inside final host shall be evaluated and confirm that the module's intentional emissions are compliant (fundamental/out of band band), wherea also the 15B digital device emissions shall be tested with the module installed and operating.

Validity of using the module certification:

In the event that these conditions cannot be met, then the FCC authorization for this module in combination with the host equipment is no longer considered valid and the FCC ID of the module cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End product labeling:

The final end product must be labeled in a visible area with the following:

"Contains FCC ID: 2AIWP-VTX5G8".