

VTX

5.8G 1.6W FPV Transmitter

User Manual



rev: 260318
Made in Taiwan

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INTRODUCTION

The **VTX 5.8G 1.6W FPV Transmitter** is a powerful device designed specifically for wireless video signal transmission, featuring high power output. It is ideal for use in FPV (First-Person View) systems such as drones, remote-controlled vehicles, or wireless monitoring systems. Its 1.6W output power ensures stable signal transmission and a wide range, significantly enhancing the user experience even in complex environments.

- **Powerful Transmission Power:** With an output power of up to 1.6W, it provides stable long-distance signal transmission, reducing interference issues.
- **Supports Multiple Frequency Bands:** Operating in the 5.8 GHz frequency band, it offers optimal compatibility for FPV systems, making it adaptable to a variety of devices.

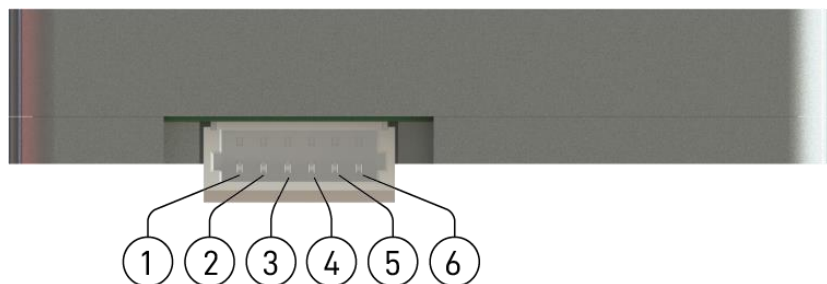
PACKAGE CONTENTS

- 1x VTX
- 1x FPV antenna 5.8G
- 1x MMCX interface antenna connection cable
- 1x Video signal cable

FEATURES

- 48CH 5.8G frequency range: (A.B.E.F.R.L; 5362MHz-5945MHz)
- Max power: 1.6W (five power level can be adjusted 100mW/ 200mW/ 400mW/ 800mW/ 1600mW)
- Input voltage: DC 4V-36V, supporting 2-8S battery input
- Antenna connector: MMCX
- Protocol : IRC Tramp / Smart audio
- Heat-dissipating method: heat sink
- Dimension: 32mm*32mm*6mm
- Weight: 17g

PIN DESCRIPTION



Pin #	Name	Description
1	VBAT	Connect directly to Battery voltage, 2S to 6S LIPO
2	GND	Ground
3	DATA	Smart audio VTX remote control input.
4	VIDEO	Video input(CVBS NTSC/PAL). Make sure video cable is short and not routed near any noisy source like ESC, motor cables or RX Receiver which has a back channel (this causes video distortion).
5	GND	Ground
6	5Vout	Supply for your camera. Never connect to Battery or it will permanently damage your VTX!

FREQUENCY TABLE

Channel	1	2	3	4	5	6	7	8
Band A	5865 MHz	5845 MHz	5825 MHz	5805 MHz	5785 MHz	5765 MHz	5745 MHz	5725 MHz
Band B	5733 MHz	5752 MHz	5771 MHz	5790 MHz	5809 MHz	5828 MHz	5847 MHz	5866 MHz
Band E	5705 MHz	5685 MHz	5665 MHz	5645 MHz	5885 MHz	5905 MHz	5925 MHz	5945 MHz
Airwave	5740 MHz	5760 MHz	5780 MHz	5800 MHz	5820 MHz	5840 MHz	5860 MHz	5880 MHz
Race Band	5658 MHz	5695 MHz	5732 MHz	5769 MHz	5806 MHz	5843 MHz	5880 MHz	5917 MHz
Low Race Band	5621 MHz	5584 MHz	5547 MHz	5510 MHz	5473 MHz	5436 MHz	5399 MHz	5362 MHz
Power Level*	100 mW	200 mW	400 mW	800 mW	1600 mW			

The gray selections require a HAM license to operate legally.

* Power level is set by the flight control.

INSTALLATION

When installing the VTX, make sure there is adequate airflow and, most importantly, proper heat transfer. This means mounting the VTX with slight pressure against a flat piece of carbon will give you the best results. Proper mounting will allow the video transmitter to operate for extended periods while sitting on the ground, both at 100mW and 200mW power levels. For 400mW/800mW/1600mW power levels, we recommend starting to fly after no more than 1 minute to allow airflow to provide adequate cooling.

WARRANTY

The SELLER warrants the **VTX 5.8G 1.6W FPV Transmitter** to be free from defects in the material and workmanship for 1 year from the date of purchase from the SELLER or an authorized dealer. Should this product fail to be in good working order within 1 year warranty period, The SELLER, at its option, repair or replace the unit, provided that the unit has not been subjected to accident, disaster, abuse or any unauthorized modifications including static discharge and power surges.

Unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number.

The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed.

Proof of sale may be required in order to claim warranty. Customers outside Taiwan are responsible for shipping charges to and from the SELLER. Cables are limited to a 30 day warranty and cable must be free from any markings, scratches, and neatly coiled.

The content of this manual has been carefully checked and is believed to be accurate. However, The SELLER assumes no responsibility for any inaccuracies that may be contained in this manual. The SELLER will NOT be liable for direct, indirect, incidental, special, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. **Also, the technical information contained herein regarding the VTX features and specifications is subject to change without further notice.**