

## 5.8GHz Video Transmitter SPMVT025•SPMVT200•SPMVT600

Instruction Manual

EN

### NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of Horizon Hobby, LLC. For up-to-date product literature, visit horizonhobby.com and click on the support tab for this product.

### Meaning of Special Language

The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product:

**NOTICE:** Procedures, which if not properly followed, create a possibility of physical property damage AND a little or no possibility of injury.

**CAUTION:** Procedures, which if not properly followed, create the probability of physical property damage AND a possibility of serious injury.

**WARNING:** Procedures, which if not properly followed, create the probability of property damage, collateral damage, and serious injury OR create a high probability of superficial injury.

**WARNING:** Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.

This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision, use with incompatible components or augment product in any way without the approval of Horizon Hobby, LLC. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

**Age Recommendation: Not for children under 14 years. This is not a toy.**

**NOTICE:** This product is only intended for use with unmanned, hobby-grade, remote-controlled vehicles and aircraft. Horizon Hobby disclaims all liability outside of the intended purpose and will not provide warranty service related thereto.

### WARRANTY REGISTRATION

Visit [www.spektrumrc.com/registration](http://www.spektrumrc.com/registration) today to register your product.

**IMPORTANT:** Amateur radio license required for use in North America. Please consult the ARRL for more information about your local amateur radio club and getting your HAM license. [www.ARRL.org](http://www.ARRL.org)

### Frequency Chart\*

	BAND	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
1.	Band A	5865	5845	5825	5805	5785	5765	5745	5725
2.	Band B	5733	5725	5771	5790	5809	5828	5847	5866
3.	Band E**	5705	5685	5665	----	5885	5905	----	----
4.	FS/IRC	5740	5760	5780	5800	5820	5840	5860	5880
5.	RaceBand	5658	5695	5732	5769	5806	5843	5880	5917

\*HAM license required for use in North America

\*\* E band Channels 4, 7 and 8 have been removed to prevent transmitting outside of designated Amateur radio frequencies

### Specifications

MODEL	VT025	VT200	VT600
Transmitter Frequency (MHz)	Wideband FM Modulate		
Video Format	NTSC/PAL		
Output Impedance	50 Ohm		
Output Power	13 dB	22 dB	28 dB
Input Voltage	DC 7-24V		
Output Voltage	DC 5V		
Operating Temperature	-10~85°C		
Video Bandwidth	0~8.0MHz		
Audio Carrier Frequency	6.5MHz		
Video Input Level	0.8~1.2Vp-p		
Audio Input Level	0.5~2.0Vp-p		
Audio Input Impedance	10K Ohm		
Weight	6.7g	10g	10g
Antenna Connector	SMA/RPSMA		

At power up the digital display will flash 2 numbers repeatedly indicating it is locked. The number with the "dot" is the selected BAND (1.-5.), the second number is the channel (1-8).

### Channel Selection

1. The Channel Select button is marked with "PRESS" on the front of the VT025 and the backs of the VT200/VT600.
2. To unlock the display push and hold the Channel Select button for 2 seconds.
3. Press the button to cycle through the channels (1-8).

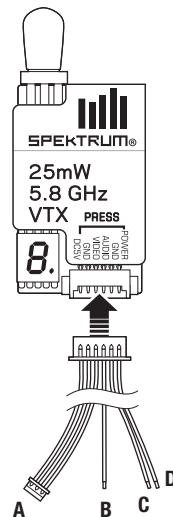
### Band Selection

1. Press the button for 2 seconds to switch from Channel Select to Band select.
2. Press the button to cycle through the Bands (1.-5.).
3. Once finished, press the button for 2 seconds to lock the display.

### Wiring Harness

- A. Micro JST— Connects video transmitter to the OSD board or camera.
  - DC 5V out (Red)
  - Ground wire (Black)
  - Video in (Yellow)
- B. Audio\* in (Green)
- C. Ground wire (Blue)
- D. Power in (White)

\*audio input needs to be grounded.



### 1-YEAR LIMITED WARRANTY

What this Warranty Covers - Horizon Hobby, LLC (Horizon) warrants to the original purchaser that the product purchased (the "Product") will be free from defects in materials and workmanship for a period of 1 year from the date of purchase.

**What is Not Covered** - This warranty is not transferable and does not cover (i) cosmetic damage, (ii) damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or due to improper use, installation, operation or maintenance, (iii) modification of or to any part of the Product, (iv) attempted service by anyone other than a Horizon Hobby authorized service center, (v) Product not purchased from an authorized Horizon dealer, (vi) Product not compliant with applicable technical regulations, or (vii) use that violates any applicable laws, rules, or regulations.

**OTHER THAN THE EXPRESS WARRANTY ABOVE, HORIZON MAKES NO OTHER WARRANTY OR REPRESENTATION, AND HEREBY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER'S INTENDED USE.**

**Purchaser's Remedy** - Horizon's sole obligation and purchaser's sole and exclusive remedy shall be that Horizon will, at its option, either (i) service, or (ii) replace, any Product determined by Horizon to be defective. Horizon reserves the right to inspect any and all Product(s) involved in a warranty claim. Service or replacement decisions are at the sole discretion of Horizon. Proof of purchase is required for all warranty claims. SERVICE OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY.

Limitation of Liability - HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY REGARDLESS OF WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY EVEN IF HORIZON HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Further, in no event shall the liability of Horizon exceed the individual price of the Product on which liability is asserted. As Horizon has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability, if you as the purchaser or user are not prepared to accept the liability associated with the use of the Product, purchaser is advised to return the Product immediately in new and unused condition to the place of purchase.

**Law** - These terms are governed by Illinois law (without regard to conflict of law principals). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Horizon reserves the right to change or modify this warranty at any time without notice.

#### WARRANTY SERVICES

Questions, Assistance, and Services - Your local hobby store and/or place of purchase cannot provide warranty support or service. Once assembly, setup or use of the Product has been started, you must contact your local distributor or Horizon directly. This will enable Horizon to better answer your questions and service you in the event that you may need any assistance. For questions or assistance please visit our website at [horizonhobby.com](http://horizonhobby.com), submit an inquiry to

[productsupport@horizonhobby.com](mailto:productsupport@horizonhobby.com) or call the toll-free telephone number referenced in the Warranty and Service Contact Information section to speak with a Product Support representative.

**Inspection or Services** - If this Product needs to be inspected or serviced and is compliant in the country you live and use the Product in, please use the Horizon Online Service Request submission process found on our website or call Horizon to obtain a Return Merchandise Authorization (RMA) number. Pack the Product securely using a shipping carton. Please note that original boxes may be included, but are not designed to withstand the rigors of shipping without additional protection. Ship via a carrier that provides tracking and insurance for lost or damaged parcels, as Horizon is not responsible for merchandise until it arrives and is accepted at our facility. An Online Service Request is available at [http://www.horizonhobby.com/content/service-center\\_renderer](http://www.horizonhobby.com/content/service-center_renderer). If you do not have internet access, please contact service-center. Horizon Product Support to obtain a RMA number along with instructions for submitting your product for service. When calling Horizon, you will be asked to provide your complete name, street address, email address and phone number where you can be reached during business hours. When sending product into Horizon, please include your RMA number, a list of the included items, and a brief summary of the problem. A copy of your original sales receipt must be included for warranty consideration. Be sure your name, address, and RMA number are clearly written on the outside of the shipping carton.

Provided warranty conditions have been met, your Product will be serviced or replaced free of charge. Service or replacement decisions are at the sole discretion of Horizon.

**NOTICE: Do not ship LiPo batteries to Horizon. If you have any issue with a LiPo battery, please contact the appropriate Horizon Product Support office. Warranty Requirements - For Warranty consideration, you must include your original sales receipt verifying the proof-of-purchase date.**

**Non-Warranty Service** - Should your service not be covered by warranty, service will be completed and payment will be required without notification or estimate of the expense unless the expense exceeds 50% of the retail purchase cost. By submitting the item for service you are agreeing to payment of the service without notification. Service estimates are available upon request. You must include this request with your item submitted for service. Non-warranty service estimates will be billed a minimum of ½ hour of labor. In addition you will be billed for return freight. Horizon accepts money orders and cashier's checks, as well as Visa, MasterCard, American Express, and Discover cards. By submitting any item to Horizon for service, you are agreeing to Horizon's terms and Conditions found on our website [http://www.horizonhobby.com/content/service-center\\_renderer](http://www.horizonhobby.com/content/service-center_renderer).

**ATTENTION: Horizon service is limited to Product compliant in the country of use and ownership. If received, a non-compliant Product will not be serviced. Further, the sender will be responsible for arranging return shipment of the un-serviced Product, through a carrier of the sender's choice and at the sender's expense. Horizon will hold non-compliant Product for a period of 60 days from notification, after which it will be discarded.**

### WARRANTY AND SERVICE CONTACT INFORMATION

Country of Purchase	Horizon Hobby	Contact Information	Address
United States of America	Horizon Service Center (Repairs and Repair Requests)	<a href="mailto:servicecenter@horizonhobby.com">servicecenter@horizonhobby.com/</a> RequestForm/	4105 Fieldstone Rd Champaign, Illinois, 61822 USA
	Horizon Product Support (Product Technical Assistance)	<a href="mailto:productsupport@horizonhobby.com">productsupport@horizonhobby.com</a> .	
	Sales	877-504-0233 <a href="mailto:websales@horizonhobby.com">websales@horizonhobby.com</a> 800-338-4639	