

VANQUISH[®]

PRODUCTS

VT-1

2.4GHz 4CH RADIO SYSTEM

INSTRUCTION MANUAL

IMPORTANT!

Please read this manual carefully prior to using. We are not responsible for any intentional damage or improper use. If you require any additional information or have any questions about the product or its use, please contact us at: www.vanquishproducts.com

This product is not a toy! (14+) Recommended for ages 14 and up. Adult supervision required for ages under 18 years old. Contains small parts, keep out of reach of children 3 years of age and younger.



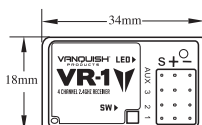
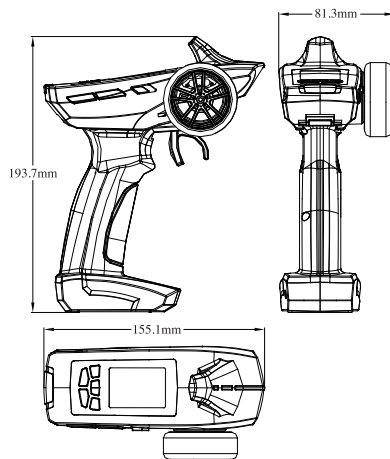
MADE IN CHINA

Congratulations on your purchase of Vanquish Products VT-1 4-Channel Radio System. Designed using advanced wireless technology, Vanquish Products VT-1 will advance and simplify control of your surface model and minimize interference while providing many years of enjoyment.

Before installing and operating your new radio system, please take a few minutes to familiarize yourself with the various features of the system by reading this instruction manual thoroughly.

SPECIFICATIONS

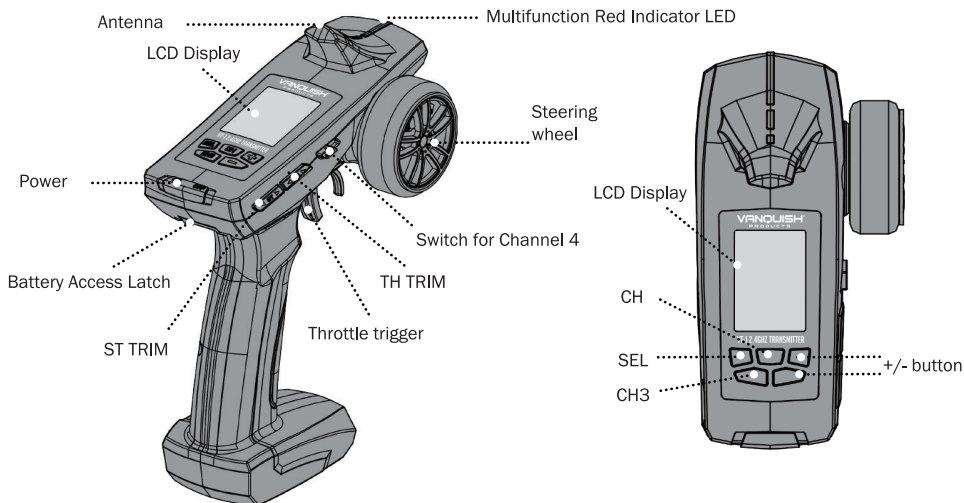
Model	VT-1	
Part #	VPS20001	
Configuration	Pistol grip	
Frequency Band	2.4 GHz	
Channels	4CH	
Input voltage	AA x4	
Dimensions	Length (mm)	155.10
	Height (mm)	193.70
	Width (mm)	81.30



WARRANTY

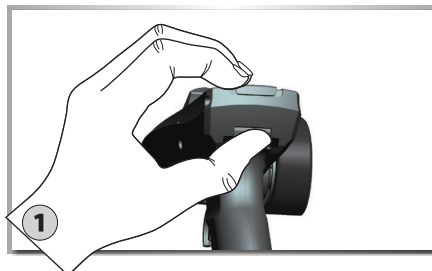
Vanquish Products VT-1 4-Channel Radio System is warranted to the original purchaser for 30 days from the date of purchase, verified by the sales receipt, against defects in material and workmanship. Product that has been mishandled, abused, used incorrectly, used for an application other than intended or damaged by the user is not covered under warranty. Vanquish Products is not liable for any loss or damage, whether direct or indirect, incidental or consequential, or from any special situation, arising from the use, misuse, or abuse of this product.

FUNCTIONS LCD



Disassemble Handle & Install

1. Press the button
2. take away the handle
3. press the button, install the handle



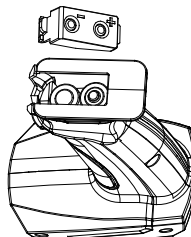
Battery Installation

Using the AA batteries or NIMH batteries, when the voltage is lower than $4.5V \pm 0.2$, the buzzer sounds continuously, and the LED should start flashing.

1. Remove the battery cover from the transmitter.
2. Insert four new AA batteries according to the polarity markings on the battery holder.
3. Reinstall the battery cover.

WARNING: DO NOT ATTEMPT TO CHARGE NON-RECHARGEABLE BATTERIES, YOU MAY CAUSE AN EXPLOSION!

WARNING: PLEASE DON'T REVERSE THE BATTERY, OR IT WILL BURN OUT THE PCB!



Receiver Installation & Connection

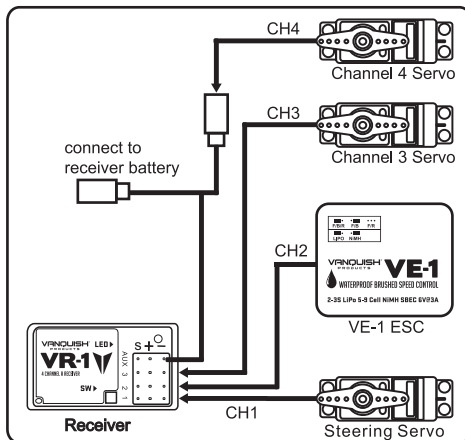
Installation

To achieve full operating range with your radio system it is critical that the receiver antenna be undamaged and installed properly. It should be installed with as much of the antenna as possible in a vertical position. The end of the antenna should be contained inside an antenna tube. When installing:

- Ensure there are no kinks in the antenna or antenna tube.
- Never fold the end of the antenna over the tube, this will reduce the operating range of the system and damage the antenna.
- Ensure the receiver is mounted securely or padded against hard impacts.

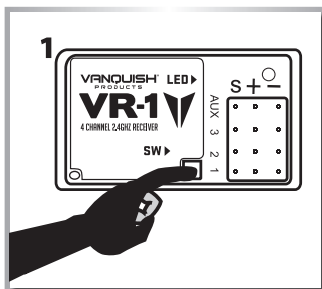
Connection

- Channel 1: Controlled by the wheel, connect to a servo for steering.
- Channel 2: Controlled by the trigger, connect to the ESC or a servo for throttle/brake.
- Channel 3: Controlled by a signal momentary switch (0-100%) for optional use. This port can also be used to connect a transponder device used in racing.
- AUX (Channel 4): Controlled by 3 position switch (-100%/Off/100%) for optional use. This port is most commonly used for LED light kits. Use this port to connect an external battery for use with gas powered vehicles.

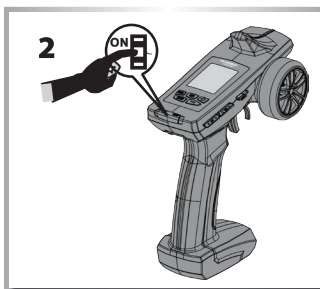


CAUTION: NEVER CONNECT A BATTERY WITH VOLTAGE HIGHER THAN 8.0V TO THE RECEIVER, DOING SO COULD DAMAGE THE ELECTRONICS.

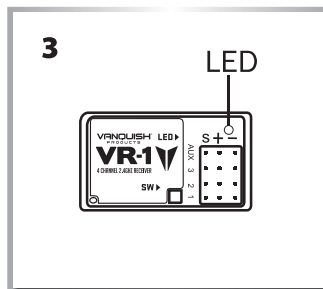
Binding The Transmitter & Receiver



1. Turn on the receiver power. Press the SW switch. The receiver's LED should start flashing.



2. Turn on the transmitter.

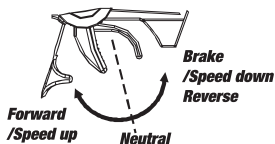


3. When the LED on the receiver becomes solid, the binding process is completed.

Note: Radio systems installed in RTRs have already been bound. Only when installing a new transmitter or receiver is the above process necessary.

Operation

A. THROTTLE TRIGGER



B. STEERING WHEEL



1. Push the trigger forward to slow down or brake.
2. Pull the trigger backward to accelerate.

LED FUNCTION DISPLAY

VOLTAGE:

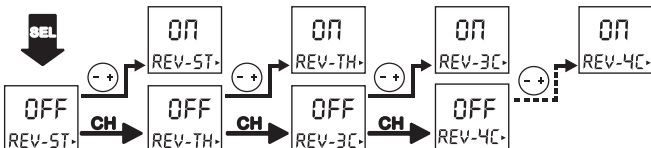
6.0 v



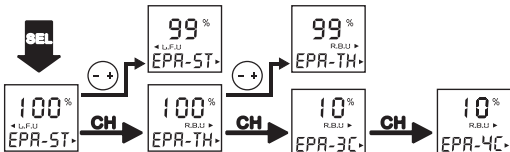
MODEL SELECT:



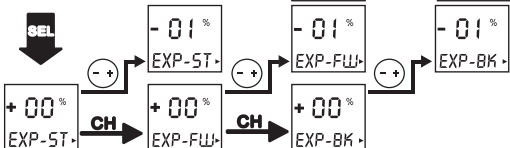
REV:



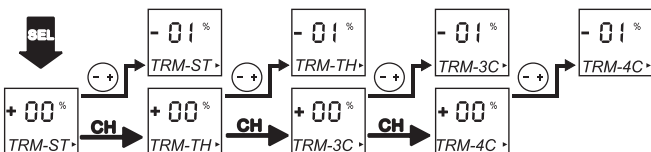
EPA:



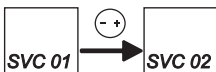
EXP:



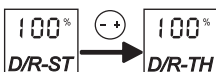
TRIM:



SVC:

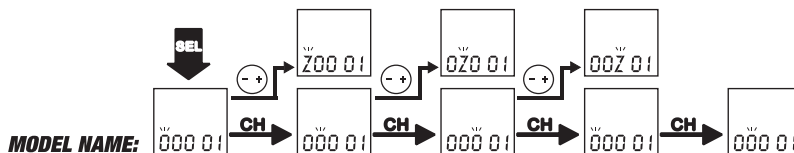


D/R:



ABBREVIATION GLOSSARY

Rev - Servo Reversing
 EPA - End Point Adjustments
 EXP - Expo
 TRM - Trim
 SVC - Gyro Function (not used)
 D/R - Dual Rate
 Last Function is Model Memory Name



Fail safe function setting

Please turn on the TX, then pull the TH trigger anywhere you want to and hold it, press the SW button of the receiver about 2sec, the LED should start flashing for 5sec, then release SW button and TH trigger, turn off the TX.

Using Caution While Operating

- Do not operate the model or use the radio in the rain, in the presence of lightning, or at night.
- Do not operate the model or use the radio if you have been drinking alcohol or are under the influence of any other substance that will affect your skills.
- Always confirm that the radio has sufficient battery power before operating.
- Keep out of reach of children.
- Do not store the radio in temperatures below -10° C (14° F) or above 40° C (104° F) or in humid, dusty, or in high-vibration environments. Keep the radio away from direct sunlight.
- To prevent corrosion, remove the batteries from the radio if it will be stored for more than one week.

Safety Precautions

This product is a sophisticated hobby product and not a toy. 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 property. This product is not intended to be used by children without direct adult supervision. It is essential to read and follow all instructions and warnings found in this manual prior to installation, set up, and use, in order for the product to operate properly and to avoid damage or injury.

Fault Handling

When there is no backward function and can't find center bit, please check the TRIM on center or not.

General Care

1. Always use clean, dry cloth or soft bristle brush to clean your equipment.
2. Never use chemical cleansers, as these could damage the sensitive electronics and plastics.