



91803G-VT

2.4GHz 3CH RADIO SYSTEM

INSTRUCTIONS MANUAL

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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 via www.turboracinghobby.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.



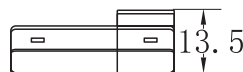
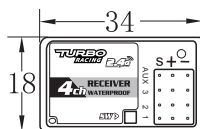
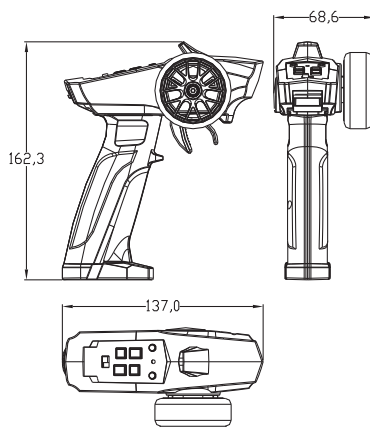
MADE IN CHINA

Congratulations on your purchase of Turbo Racing 91803G-VT 3-Channel Radio System. Designed using advanced wireless technology, Turbo Racing 91803G-VT 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.

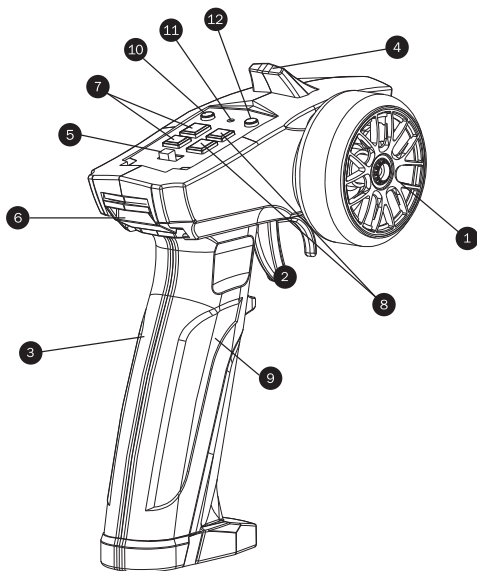
SPECIFICATIONS

Model	TX		
Part #	91803G-VT		
Configuration	Pistol grip		
Frequency Band	2.4 GHz		
Channels	3CH		
Input voltage	AAA x4		
Dimensions	Length (mm)	137.00	
	Height (mm)	162.30	
	Width (mm)	68.60	



WARRANTY

Turbo Racing 91803G-VT 3-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. Turbo Racing 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.



1. Steering Wheel: Controls left / right motion (note that the wheel can be re-positioned and / or configured for left-hand use (see full online manual for details).
2. Throttle Trigger: Controls forward / reverse / brake motion (designed to be operated with index finger).
3. Hand Grip: For holding the transmitter.
4. Antenna: Transmits signal to the receiver located in the vehicle.
5. Power switch: Turns the transmitter ON / OFF.
6. Disassemble key: Handle is removable.

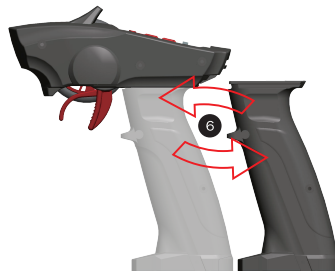
7. ST DR/ST TRIM: Please turn the wheel to left or right with Max angle, and press ST-TRIM+ or ST-TRIM-, then adjust the angle of ST
8. TH DR/TH TRIM: Please pull the throttle or push the throttle to Max position, and press TH-TRIM+ or TH-TRIM-, then adjust the angle of TH

When you adjust TRIM +/-, you can sound "Di", when the trim is on centre, you can sound "Di-Di"; when the sound is stopped , then means TRIM is Max/Min

When you adjust DR +/-, you can sound "Di", when the sound is stopped, then means DR is Max/Min
9. Battery compartment: Houses [4] AAA batteries
10. Channel 3 key.
11. Multifunction Red Indicator LED:
12. REV:
 - (1). Please turn the wheel to left or right with Max angle , and press REV for 2 seconds, then ST will be reverse.
 - (2). Please pull the throttle or push the throttle to Max position , and press REC for 2 seconds, then REV will be reverse.

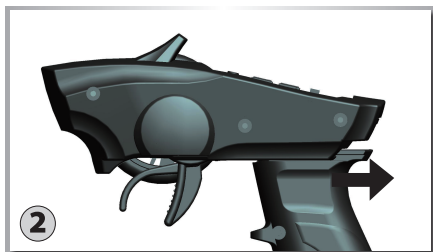
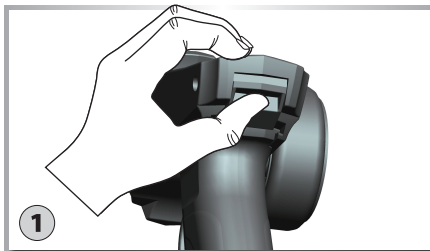
CH3 Locked mode: In normal boot mode, press and hold the REV button for 0.5 seconds, a long buzzer bees for once, indicate that you have successful switch to locked mode.

CH3 Unlocked mode: In normal boot mode, press and hold the REV button for 0.5 seconds, a short buzzer bees for once, indicate that you have successful switch to unlocked mode.



Disassemble Handle & Install

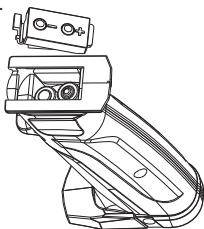
1. Press the button
2. take away the handle
3. press the button, install the handle



Battery Installation

Using the AAA 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 AAA 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 REMOVE THE BATTERY, OR IT WILL BURN OUT THE PCB

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 the adjustment knob (0-100%) for optional use. This port can also be used to connect a transponder device used in racing.
- AUX (Channel 4): Controlled by button (ON/OFF) 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.

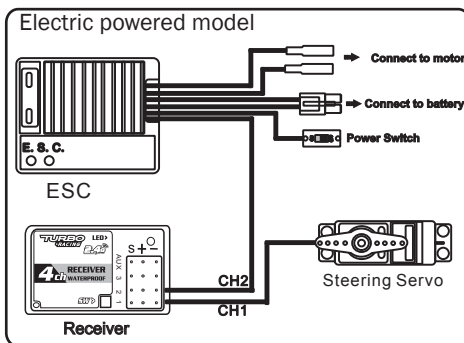
CAUTION: NEVER CONNECT A BATTERY WITH VOLTAGE HIGHER THAN 6.0V TO THE RECEIVER, DOING SO COULD DAMAGE THE ELECTRONICS.

Receiver Installation & Connection

Installation

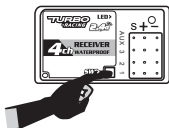
To achieve full operating range with your radio system it is critical that the receiver antenna be undamaged and installed properly. It should be installed with as much of the antenna as possible in a vertical position. The end of the antenna should be contained inside an antenna tube. When installing:

- 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.



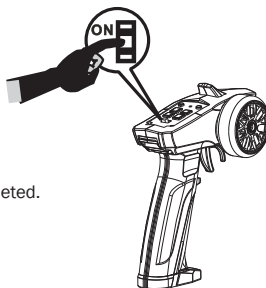
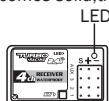
Pairing The Transmitter & Receiver

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



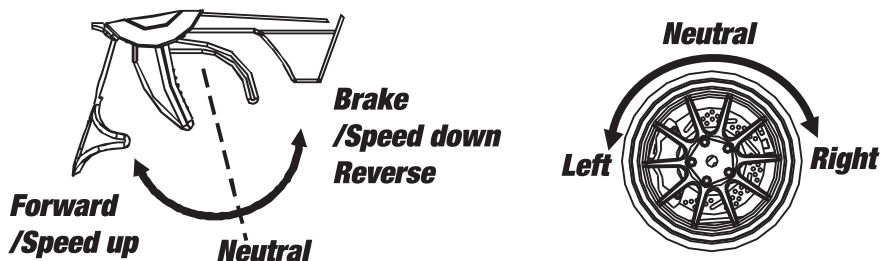
2. Turn on the transmitter.

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



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.

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.