



91803G-VT  
2.4GHz 3CH RADIO SYSTEM

## INSTRUCTIONS MANUAL

### INSTRUCTIONS MANUAL

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.blqhobby.com](http://www.blqhobby.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.



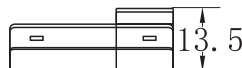
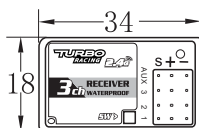
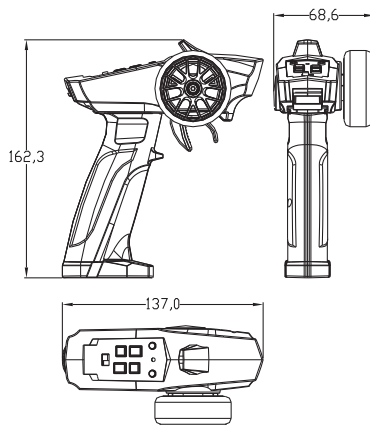
MADE IN CHINA

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.**

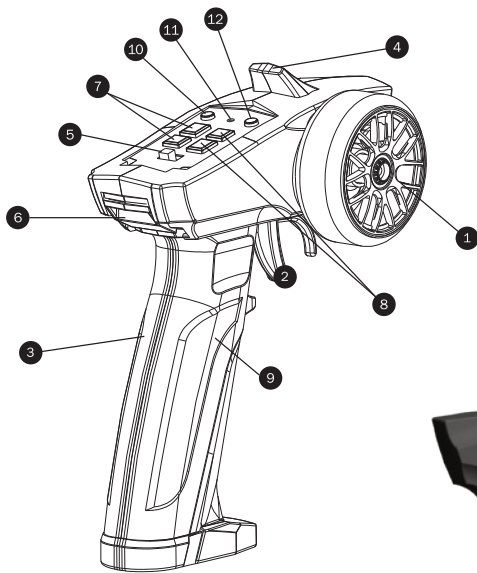
### SPECIFICATIONS

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.



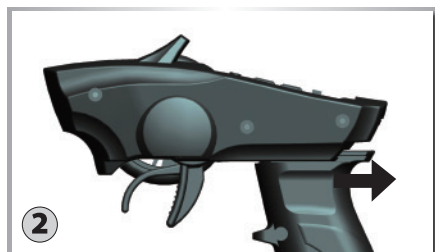
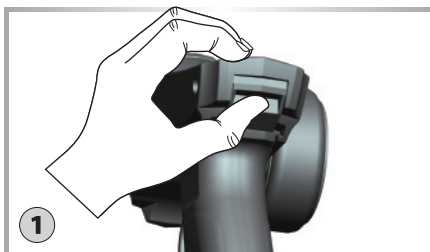
1. Steering Wheel: Controls left / right motion (note that the wheel can be re-positioned and / or configured for left-hand use (see full online manual for details).
2. Throttle Trigger: Controls forward / reverse / brake motion (designed to be operated with index finger).
3. Hand Grip: For holding the 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
9. Battery compartment: Houses [4] AAA batteries or a NiMH
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 bererse



## Disassemble Handle & Install

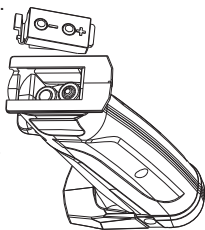
1. Press the button
2. take away the handle
3. press the button, install the handle



## 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 RESERVE 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.

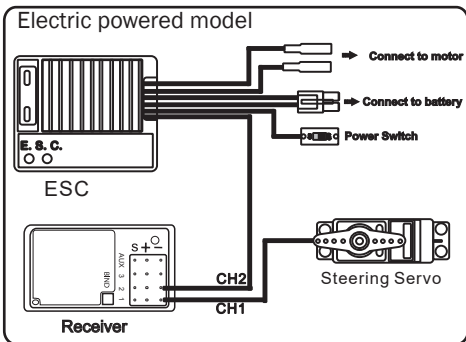
**CAUTION: NEVER CONNECT A BATTERY WITH VOLTAGE HIGHER THAN 6.0V TO THE RECEIVER, DOING SO COULD DAMAGE THE ELECTRONICS.**

## Receiver Installation & Connection

### Installation

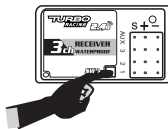
To achieve full operating range with your radio system it is critical that the receiver antenna be undamaged and installed properly. It should be installed with as much of the antenna as possible in a vertical position. The end of the antenna should be contained inside an antenna tube. When installing:

- 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.

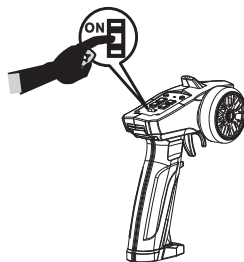


## Pairing The Transmitter & Receiver

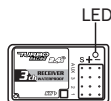
1. After connecting the receiver to a power source (receiver battery or ESC) and turning it on, connect the SW connector to the "Pair" Pins on the receiver. The LED on the receiver will flash rapidly.



2. Switch on the transmitter, and then remove the Bind connector from the receiver.



3. The LED on the receiver will now remain solid to indicate successful binding of the transmitter and receiver



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

## Failsafe Function Setting

After successful binding of the transmitter and receiver, the fail-safe setting can be saved. If the connection between the transmitter and receiver is interrupted, the vehicle will revert to a preset throttle position.

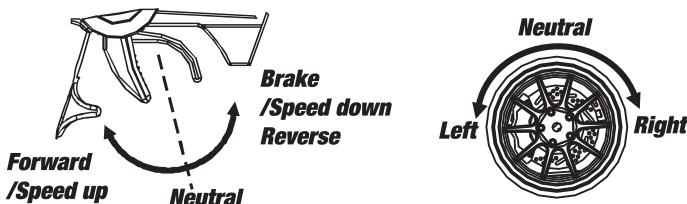
To set this position, place the vehicle on a suitable stand so that the wheels do not touch the ground, then turn the transmitter and vehicle on and install the Bind connector into the "F/S" pins on the receiver. The LED on the receiver will flash rapidly. Now move the throttle trigger to the position that you would like to establish as the fail-safe setting (neutral is recommended) and while maintaining that position, remove the Bind connector from the receiver and immediately plug it back in. The receiver LED should now be solid and the failsafe position set.

## Operation

### Caution:

- Always power ON your transmitter before the ESC and power OFF the ESC before your transmitter.
- Maintain a distance of 40cm (15 ¾") between the transmitter and vehicle when operating.

*Note: When using the Turbo Racing 91803G-VT in electric powered vehicles, the throttle trim should always remain in the neutral position (arrow to arrow). Otherwise the vehicle may experience erratic operation of the throttle/brakes/reverse functions.*



## 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.

## General Care

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

**TURBO  
RACING**