GT15 4CH 2.4GHzradio systeminstruction manual

Product introduction

GT15 is a multi-function 2.4GHz radio system. It contains a GT15T 4CH transmitter and a receiver. The receiver is optional. One is the standard 4-channel receiver GT15R, and the other is the 2+2 receiver GT15RD with built-in LED controller and winch motor controller.

The GT15 is a simple, easy-to-use radio system that is ideal for vehicle models and ship models.

Product specifications

Transmitter model：GT15

Channel number：2proportional channels +1 three-stage switch channel +1 two-stage-switch channel

Voltage ：DC 6V

Transmitter frequency：2.4G（FHSS）

Modulation：FSK

Transmit power：16dBm (Conducted)

Remote control distance：>120m

Power supply：4cell AA batteries

Knob：Knob

Configuration mode：160X84X220mm

Weight：230g（Without batteries）

Receiver Model：GT15R

Channel number：4 channels（standard PWM output）

Voltage range：4-6.5V

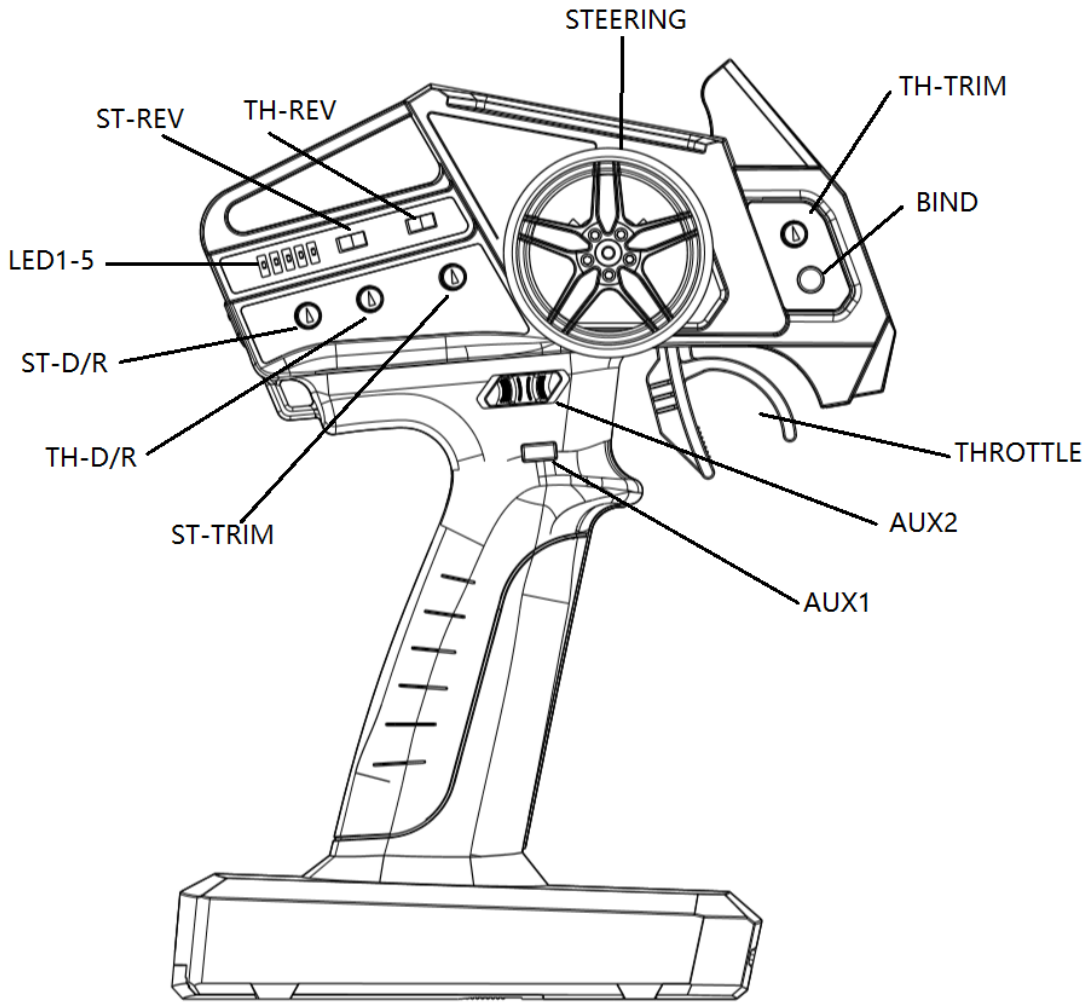
Waterproof level：IP67

Interface：Futaba，JR

Size：33 X 22 X 13mm

Weight：5g

GT15 transmitter



GT15T transmitter function

GT15T is a 4 channels transmitter which including steering channel, throttle channel, AUX1 button channel and AUX2 3-stage switch channel. The TH-TRIM, ST-TRIM, TH-DR, ST-DR, TH-REV, ST-REV, TH-EPA and ST-EPA functions can be set. The transmitter LED has power display and alarm function, and TRIM, DR, EPA adjustment status display function.

GT15R receiver function

The standard receiver GT15R has 4 channels standard PWM output, corresponding to ST, TH, AUX1, AUX2;

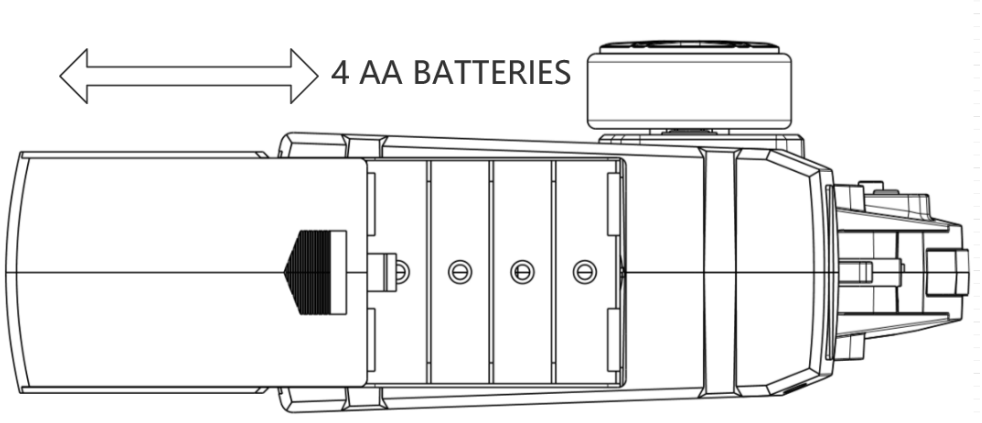
GT15R has FAILSAFE function.

GT15RD receiver function

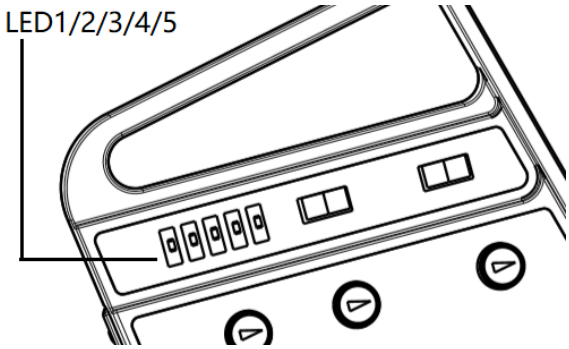
The 2+2 receiver GT15RD has 2 channels standard PWM output, 1 channel LED controller and 1 channel winch motor forward and reverse controller.

GT15RD has FAILSAFE function.

Installingthe transmitter batteries



Power display



LED1/2/3/4/5 : 100% Power

LED1/2/3/4: 80% Power

LED1/2/3: 60% Power

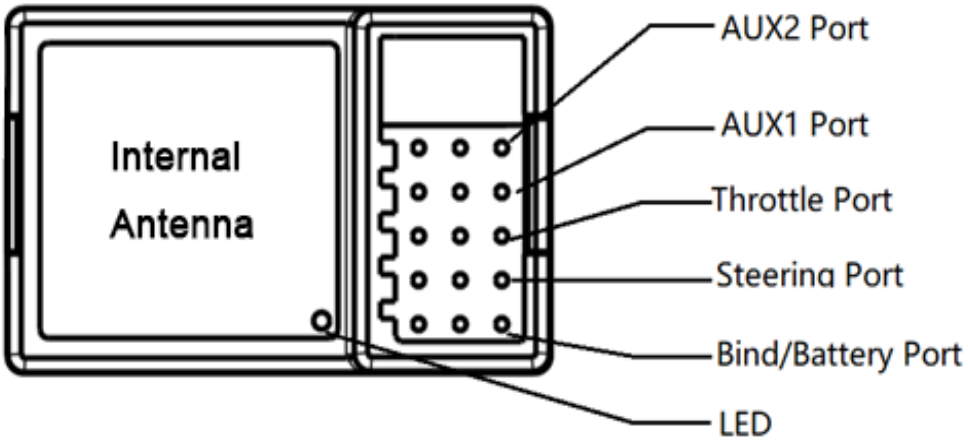
LED1/2: 40% Power

LED1: 20% Power

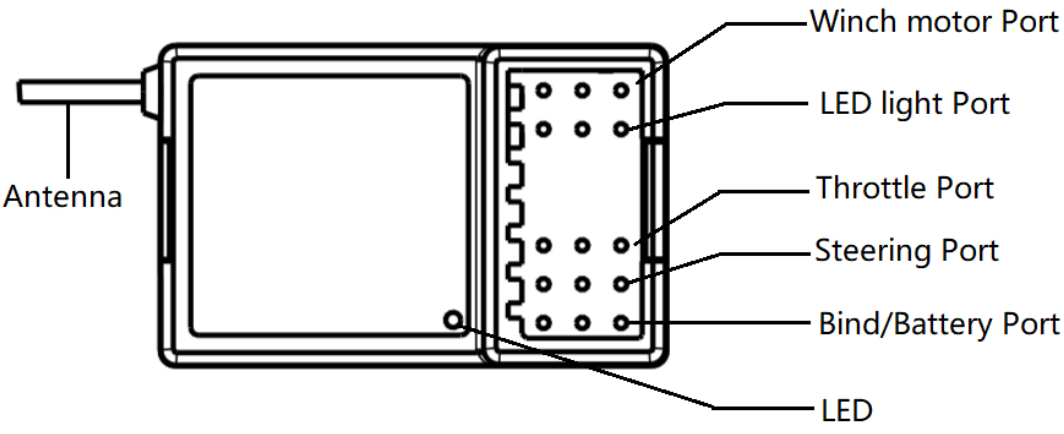
Low voltage alarm

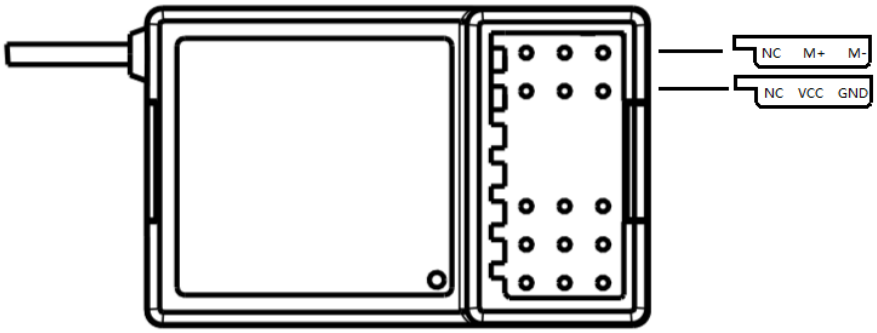
LED1/2/3/4/5 -→LED1/2/3/4-→LED1/2/3-→LED1/2-→LED1-→LED1-5 FLASH, cycle loop!

GT15R receiver



GT15RD receiver





Remarks (Justfor GT15RD)

LED Light Port :

The AUX1 channel can directly control the Light Port. The VCC pin integrates a 200-ohm current limiting resistor to prevent the LED light from being burned when the external LED is directly connected.

Winch motor Port:

The AUX2 channel directly controls the output of thewinch motor port, where M+M- is connected to the positive and negative terminals of the winch motor. Users control the forward and reverse rotation of the motor through the three-stage switch of AUX2. The built-in motor driver has a maximum current of 3A.

Binding :

STEP1: Plug in the binding wire , then power on. The LED of the receiver will flash rapidly, indicating that it enters the binding mode and waits for the binding.

STEP2: Press the BIND key of the transmitter, then power on the transmitter. The

transmitter will enter the binding mode. LED1-5 will cycle in turn.

STEP3: After the binding is successful, the receiver LED is always on. The transmitter exits the binding mode after 5 seconds, and the LEDs display the battery level.

Receiver LED status：

1、When the receiver receives the correct transmitter data, the LED light is always on.

2、After the receiver is turned on, the LED will be off after 1 second, indicating that the receiver has not received the data of the transmitter. Please check whether the transmitter is turned on, or whether it has been bound.

3、The LED flash rapidly, indicating the receiver enters the binding mode.

4、The slow flashing of the receiver LED indicates that the receiver is in the disconnected state.

FAILSAFE：

The ST and TH channels of the receiver have FAILSAFE function.

The FAILSAFE output of ST and TH can be set as follows:

1、Turn on the transmitter and receiver to let them in normal communication.

2、Adjust the transmitter's TH and ST to the position of the output when the communication is failed and keep it.

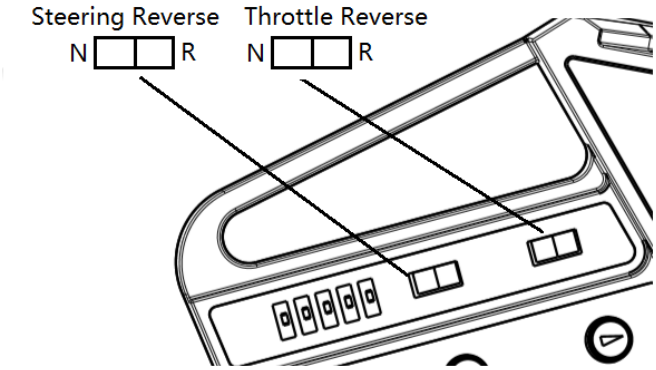
3、Plug in the bindingwire into the bind port of the receiver. After the receiver LED flashes 2 times, unplug the bindingwire to finish the FAILSAFE setting.

CHANNEL REVERSING:

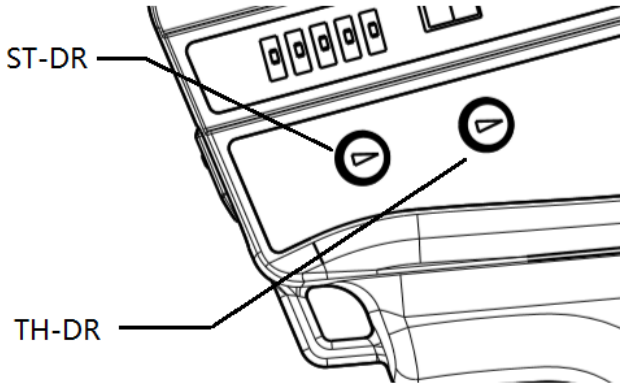
If the steering command causes the wheel to be in the opposite direction, the steering channel need to bereversed.

If the throttle command causes the vehicle to travel in the opposite direction, the throttle channel need to be reversed.

To reverse a channel, switch the correlating reverse switch. “N” is for normal, “R” is for reverse.



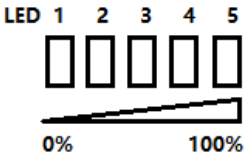
DR SETTINGS



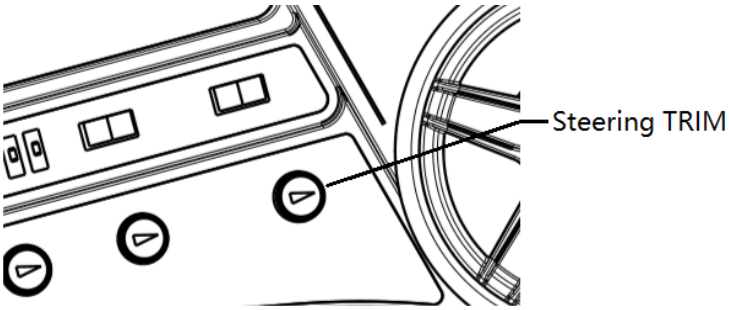
The ST-DR knob is able to symmetrically adjust the direction travel.

The TH-DR knob is able to symmetrically adjust the throttle travel.

When adjusting DR, the LED light will show the value of the adjusted potentiometer. 5 seconds after the adjustment, the LED light will change back to the state of indicating power. As shown in figure:



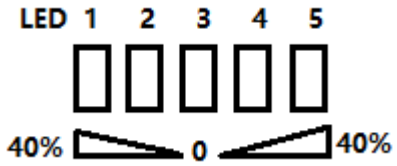
STEERING TRIM



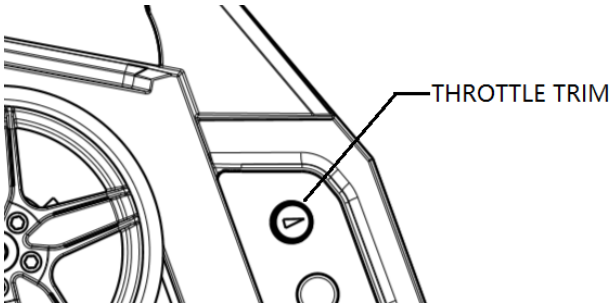
The ST-TRIM knob is used to adjust the trim of the steering so that the wheel is centered and the vehicle tracks straight.

When ST-TRIM is adjusted, the LED light will show the adjustment. 5 seconds after the adjustment, the LED light will change back to the state of indicating power.

As shown in figure:



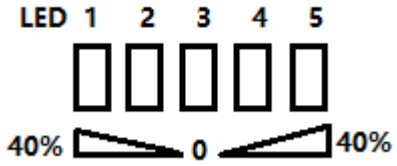
THROTTLE TRIM



The TH-TRIM knob is used to adjust the throttle trim when the throttle stick is at neutral position. It is typically used to adjust the brakes.

When TH-TRIM is adjusted, the LED light will show the adjustment. 5 seconds after the adjustment, the LED light will change back to the state of indicating power.

As shown in figure:



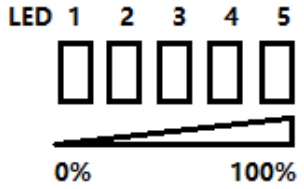
EPA SETTINGS

The EPA function can adjust the travel of the ST and TH channels in each direction precisely.

1. Hold the throttle trigger in the full brake position and press the AUX1 button while powering on the transmitter. The middle LED(LED3) will flash, indicating the transmitter enters the EPA settings mode.
2. Throttle EPA: Hold the throttle trigger in full throttle position. Rotate the TH TRIM knob to adjust the full throttle end point,LED1-5 will display the value of the current Throttle EPA. Return the throttle trigger to the center position to exit and save the throttle EPA setting,led3 will be blink and set Throttle EPA to complete.
3. Brake EPA: Hold the throttle trigger in full brake position. Rotate the TH TRIM knob to adjust the full brake end point.LED1-5 will display the value of the currentBrake EPA.Return the throttle trigger to the center position to exit and save the brake EPA setting.led3 will be blink and set Brake EPA to complete.
4. Left steering EPA: Hold the steering wheel in full left position. Rotate the ST TRIM knob to adjust the left end point.LED1-5 will display the value of the currentLeft steering EPA.Return the steering wheel to the center position to exit and save the left steering EPA setting.led3 will be blink and set Left steering EPA to complete.
5. Right steering EPA: Hold the steering wheel in full right position. Rotate the ST TRIM knob to adjust the right end point.LED1-5 will display the value of the currentRight steering EPA.Return the steering wheel to the center position to exit and save the right steering EPA setting.led3 will be blink and set Right steering EPA to complete.

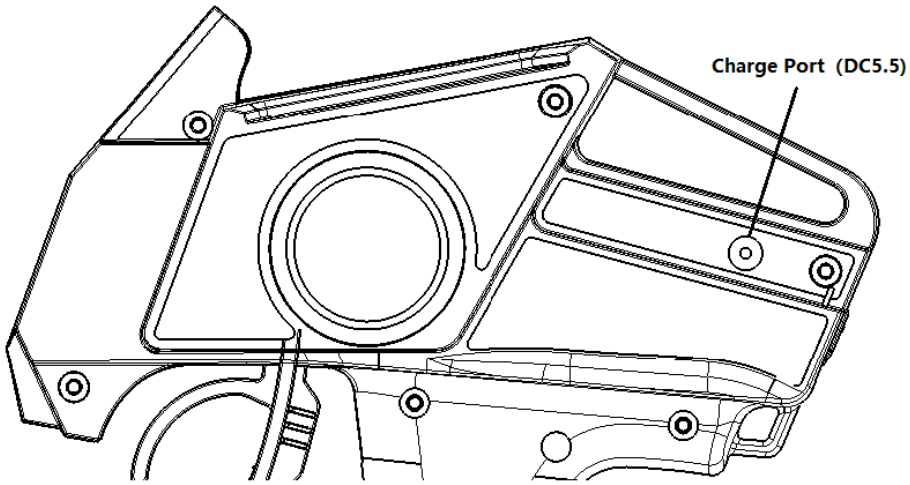
6. When the EPA Setting is completed,it needs to be turned off to exit EPA Setting Mode.

Note: in EPA mode, when adjusting TH TRIM and ST TRIM, led1-5 indicates the value of these two potentiometers



Power charge interface

GT15T has a charging interface. When the power switch is off, the charging interface is connected to the battery case for external charger to charge the battery. The charging interface adopts DC5.5 connector.In the process of using the rechargeable battery, the user needs to match the corresponding charger to charge.



FCC Statement:
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

RF exposure statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment ,this device has been evaluated to meet general RF exposure requirment,The device can be used in portable exposure condition without restriction.
The distance close to the finger usually should be 26mm.