Instructions for GT16 2.4GHz remote controller

DESCRIPTION

Gt16 is a set of multifunctional 2.4 GHz remote control, which includes four channel transmitter. It is very suitable for vehicle model.

SPECIFICATIONS

- Transmitter Model：GT16
- Voltage Range：4.4V-8.4V
- Transmitter Frequency：2.4G （FHSS）
- FHSS Output Power：<100Mw
- Remote control distance: >120m
- Power Supply：4 Cell AA Batteries
- Configuration mode: Knob
- Weight：205g （Without batteries）

- Receiver Model：FSH9206
- Voltage Range：5.0V-8.4V
- Transmitter Frequency：2.4G （FHSS）
- Voltage Range：2S Lipo or 5-9S NiMH
- Receiver frequency: 2.4G (FHSS)
- Size / Weight: 37*30*17mm / 40g

Appearance of GT16 remote control system

Functions of GT16 transmitter:

4-channel transmitter, accelerator channel, direction channel, AUX2 key channel and aux1 three-stage switch; st-trim, th-dr, st-dr,st-rev, th-epa and st-epa can be set;

EPA setting function

Trigger conditions:

Start + back + turn right

Function Description:

Take setting forward EPA as an example.

After the EPA setting function is triggered, the red LED light flashes quickly, At this time, pull the accelerator rocker to make it in the forward position. At this time, Rotate the th trim knob to adjust the set EPA value. After setting, return the throttle rocker to the center, and the red LED off, indicating that the setting parameters are completed. The same is true for other EPA settings.

ST EPA parameter setting range:0% ~ 120%.

TH EPA parameter setting range:0% ~ 150%.

All EPA = 100% by default

Calibration function

Trigger conditions:

Turn on + front + turn right

Function Description:

After the function is triggered, red LED lights flash slowly at the same time. The indicator enters the calibration state.

Then push and pull the accelerator rocker and select the steering wheel for front, rear, left and right calibration. The front, rear, left and right calibrations are in no order. After completing the front, rear, left and right calibration, center the accelerator rocker and runner, and toggle the st rev switch four times to calibrate the neutral point. After the calibration is successful, the red LED lights are on in turn, indicating that the machine is turned on normally and enters the normal working state.

Binding function

Trigger conditions:

Power off + press and hold the power button over 3s.

Function Description:

When the red LED flashes rapidly, it indicates that the transmitter has entered the frequency matching mode.

Functions of GT16 2in1

Appearance of GT16 2in1

Frequency matching mode:

Step1: after the receiver is powered on for 3S, the indicator light of the receiver flashes quickly, indicating that it enters the frequency matching mode;
Step2: When transmitter power off,press and hold the power button over 3s.
Step3: after the frequency matching is successful, the indicator light of the receiver exits the flash state. When the transmitter automatically exits the frequency matching mode, the indicator light of the receiver is always on, indicating that the frequency matching is successful.

Receiver LED status:

1) The receiver receives normal transmitter data, and the LED light is always on, which can work normally;
2) The receiver enters the frequency matching mode, and the LED status flashes rapidly;
3) The receiver LED short on and long off, and the receiver is in the state of loss of connection;

Runaway protection

The receiver has out of control protection function, and the setting method is as follows:
When the transmitter and receiver are powered on and in normal communication state, adjust the th and st of the transmitter to the position where you want to lose control and keep them. At this time, insert the jumper cap into the F/B of the receiver once, and then pull out the jumper cap after the LED light of the receiver flashes to complete the loss of control protection setting.

Set the Parameters

Using the jumper cap to set running mode and battery type.
Battery Type: LiPo/NiMH， the “LiPo” is the default option。
Running Mode： F/B/R and F/R. The “F/B/R” is the default option.

F=Forward, B=Brake, RReverse

The“F/B/R” mode indicates the vehicle can go forward, backward and brake. This mode uses “Double-click” method to make the vehicle reverse. When moving the throttle stick from the neutral zone to backward zone for the 1st time, the ESC begins to brake the motor and the motor slows down and stop, so the backward action is NOT performed immediately. When the throttle stick is moved to the backward zone again, the backward action will happen.

The “F/R” mode uses “Single-click” method to make the vehicle reverse, when moving the throttle stick from neutral zone to backward zone, the vehicle reverses immediately, so this mode is usually used for rock crawler.

Beep Meaning

1 Short beep: The battery is NiMH.

2 short beeps: The battery is 2S Lipo.

1 long beep: the ESC is ready to run.

Low Voltage Warning

Low voltage warning feature build in receiver.

If the voltage of battery is lower than 3.3V per series(LiPo) or 5.2V total(NiMH), the ESC will enter the protection mode, so the motor max speed will be limited to 50%.

If the voltage of battery is lower than 3 V per series(LiPo) or 5V total(NiMH), the car will stop.

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.

FCC warning:
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can b e used in portable exposure condition without restriction.