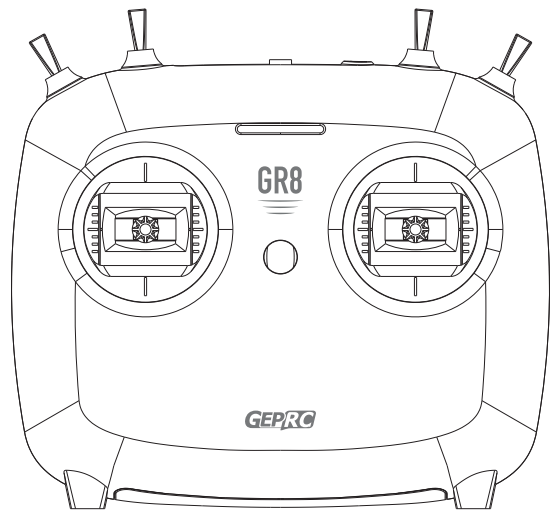




## TinyRadio GR8 Remote Controller

# Instruction Manual

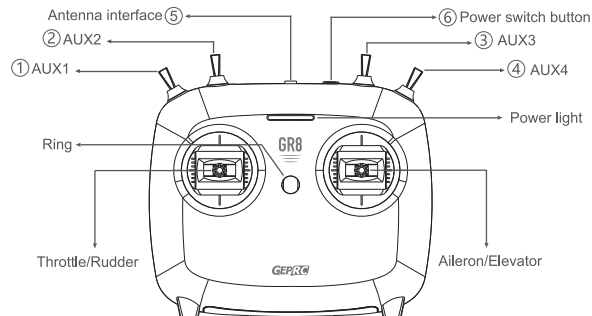


## TinyRadio GR8 remote controller introduction

### 1.Remote Control Introduction

The TinyRadio GR8 remote control has a two-way 2.4G communication protocol. Low delay, Fast response speed, Fastest speed is 7 millisecond. When the low signal, the remote control will vibrate as a warning sign. The receiver has many advantages such as Small size, High sensitivity, Long Range of receiver, SBUS serial output, etc. Vibration motors can give users a better experience, when the motor No vibrates. It indicates that the Signal and Data transmission both stable; when the motor vibrates, it means that the signal is weak and FPV should not continue to fly forward. When the battery voltage is lower than 7.4 V, it will enter the low-voltage alarm. The low-voltage alarm will be shown on the LED flashes at 1 Hz frequency.

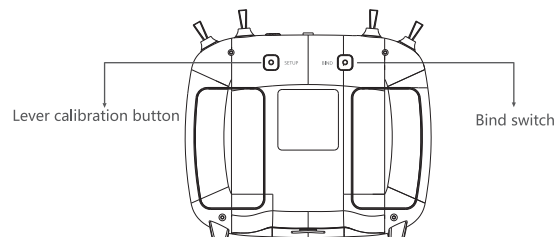
### 2. Function introduction



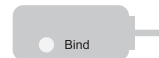
### Function Guide

- ① Unlock Switch: Switch to control FPV Disarm and Arm.
- ② DIY Switch: The AUX channel can be set by the user.
- ③ Function Switch: Normal/Buzzer/Crash flip.
- ④ Mode Switch: Switching three different flight Modes.
- ⑤ Antenna interface.
- ⑥ Power switch button.

## Back of controller button description



### Receiver



### How to bind

- ① Press and hold the receiver. Supply power to the receiver and the receiver's light flash quickly that means enter the frequency matching state.
- ② Press and hold the bind button of the remote control, and then turn on the remote control.
- ③ The remote control's light and receiver's light is on for a long time. Binding successful.

### The Rocker keep in the center and calibrated

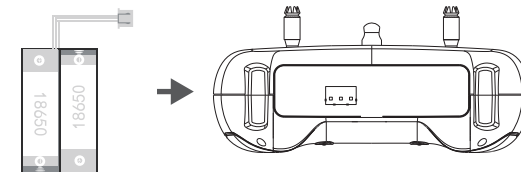
Keep the left and right rocker still, press and hold the SETUP button for more than 4 seconds until the buzzer rings three times continuously, and the center calibration is completed successfully.

## Status of Remote controller

- ① The remote control continuously vibrating, and the Indicator light flashes slowly (The signal is about to be lost and needs to return).

- ② Remote control rocker can't return to center position automatically (FPV yawed, need to calibrate remote control).
- ③ Low voltage alarm (Buzzer ringing and LED flash by 1 Hz frequency).

## Battery Assembling for Remote Control



Open the bottom battery cover and insert two 18650 batteries or a 2S battery. (not included)

### Notes:

1. Ensure the polarity symbols on the batteries match the symbols inside the battery compartment.
2. Do not mix new and old batteries.
3. Do not mix different types of batteries.

## Feature

|                              |                                          |
|------------------------------|------------------------------------------|
| Channels: 8                  | Battery: 18650 batteries or a 2S battery |
| Support model: FPV           | Low voltage alarm: < 6.6V                |
| Wireless frequency: 2.4 GHz  | Antenna interface:SMA                    |
| Transmitting power: < 20 dBm |                                          |
| Wireless protocol: FHSS      |                                          |
| Remote control range: > 100m |                                          |

## **FCC Statement**

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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 Information**

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