

Smart IR&RF Universal Remote Control
Instruction Manual
GW-1337

Enjoy the Life

Gingerway Technologies Co.,Ltd

Description

Dear users, sincerely thank you for choosing our products. For your convenience of installing and using this product, please read this manual carefully before use.

Gingerway smart IR&RF universal remote control is a multifunction remote control that integrates IR and RF. It can control 7 groups of IR and 1 group of two-way RF device.

This universal remote control can be used independently, can also be used with Gingerway smart switch/socket/curtain controller, etc.

Keywords:

Terminal Node: The each gang light/socket/curtain and other devices, which can be controlled by Gingerway smart IR&RF universal remote control.

Binding: Establish a secure connection between gateway and the terminal nodes.

Scene: The on-off state combination of multiple remote-controlled terminal nodes. Eg: At the scene "Entertainment", the backlight in the living room can be set to state ON while the curtain OFF and the television ON, etc.



This smart universal remote control is mainly comprised of 7 types of keys:

- ① **Device Keys** (8 keys included, with 1 group RF device and 7 groups IR devices. Press the device key to select corresponding device which you want to control.)
- ② **Scene Keys** (6 keys included, a scene key controls the combinational on-off state of multiple terminal nodes and IR devices.)
- ③ **Dimmer Keys +&-** (When selected for RF device, it can adjust the brightness of terminal nodes; When selected for other IR devices, it can transmit the IR codes of these two keys have learnt.
- ④ **TV Area Keys** (When selected for RF device, it transmits the IR codes of TV device; When selected for other IR devices, it can transmit the IR codes they have learnt.)
- ⑤ **DVD Area Keys** (When selected for RF device, it transmits the IR codes of DVD device; When selected for other IR devices, it can transmit the IR codes they have learnt.)
- ⑥ **Single keys** (When selected for RF device, one key controls the on-off state of corresponding terminal node which bound with this key; When selected for other IR devices, it can transmit the IR codes they have learnt.)
- ⑦ **Setup Key** (Long press this key to enter setting status, long press it again to quit setting status.

Main Features

1. A smart universal remote control that supports IR devices and ZGinger smart RF devices.
2. Supports up to 7 groups of IR devices, 1 group of RF device and 6 scenes. Supports dimming devices.
3. New generation Z-Ginger® smart home control network, a really full digital two-way communication wireless network. It can penetrate the walls, with fast response speed, high reliability and strong anti-interference capability.
4. Bright and clear OLED display screen.
5. 40 user-defined physical keys.
6. With the function of vibration wake up.
7. With superstrong IR learning and emitting ability, can learn and transmit almost all the common infrared signals.
8. Own the continuous learning function, multiple IR device signals can be learnt into one control command.
9. Can learn the infrared code of air conditioning.
10. One scene can simultaneously control the RF and IR devices.
11. With built-in configuration function, no need other configuration tool or software.

Main Functions

A. IR devices controlling :

It can replace 7 groups of traditional IR remote controls, and to control kinds of IR devices.

B. ZGinger smart RF devices controlling :

It can control kinds of ZGinger smart RF devices(including dimmer), and the control results will be shown at the display screen.

C. ZGinger smart RF devices querying :

You can query the real-time working condition of kinds of ZGinger smart RF devices, and the control results will be shown at the display screen.

D. Scenes controlling :

Kinds of IR devices and ZGinger smart RF devices can be combined into one scene as you like. You can control the combinational states of them in different scenes.

E. Devices configuration functions :

IR control codes learning, ZGinger smart devices binding, custom scenes etc.

Scope of Application

1. The occasion with kinds of remote control. Such as home, hotel, meeting room, exhibition hall etc.
2. Be used as a RF remote control to control various Gingerway RF smart devices.

Installation - Battery

Battery Specification: Size AAA * 2 alkaline cells

Please install the batteries before use. Please replace the batteries in time if you found the universal remote control malfunction or automatically restart in use.

Setup

Before using this smart universal remote control, please learn the IR codes of your IR devices in it, and bind it with your RF terminal nodes.

Long press the "SETUP" key to enter the setting status. Under setting status, long press the "SETUP" key again, then can quit the setting status.

A. Setting for IR devices :

1. Long press the "SETUP" key to enter setting status.
2. Press the device keys to select IR devices(the blue keys which exclude "RF"), be ready to learn the IR codes.
3. Aim your IR remote control(for TV/DVD/air-conditioning etc.) IR transmitting end at smart universal remote control's. Press a key which on smart universal remote control, then press your IR remote control corresponding key which this smart universal remote key need to learn, to let the universal remote control learn the infrared code. You will hear a short tone of "Di" if learning succeeded.
4. Repeat step 3 until entire infrared codes of the IR remote control (for TV/DVD/air-conditioning, etc.) have been learnt by the smart universal remote control.
5. Long press the "SETUP" key to quit setting status. Press the keys which on smart universal remote control to test the IR codes that they have learnt .



B. Setting for RF Devices:

1. Long press "SETUP" key to enter setting status.
2. Press the device key "RF" to bind RF terminal nodes; Press the scene keys to bind the scenes.
3. Please skip this step if the terminal nodes are bound with single keys. If bound with scene keys, the on-off state of the terminal nodes need to be set to your expected state. For example, if you want the backlight in the living room to be on-state at "Entertainment" scene, then the backlight should be turned on before binding.
4. Long press the on-off key of terminal node for 5 seconds, release your finger after hearing a long tone of "Di", the terminal node is going to send out a binding request.
5. Short press the scene key or single key on smart universal remote control, release your finger, and then the smart universal remote control is going to response to the binding request. If you hear a short tone of "Di", then this binding is successful; If you hear a long tone of "Di", then this binding is unsuccessful.
6. Repeat step 3 - 5 until all the RF devices have been bound.
7. Long press the "SETUP" key to quit setting status. Press the single keys or scene keys to control the RF terminal devices.

C. Unbinding:

1. Delete all the bindings of a certain device key:
Enter the setting status, long press the device key which need to be deleted, then all the IR or RF bindings of this device key will be deleted.
2. Delete all the bindings of a certain scene key:
Enter the setting status, long press the scene key which need to be deleted, then all the bindings of this scene key will be deleted. If the scene key had bound with nonexistent terminal nodes, then the nonexistent terminal nodes will be deleted firstly.

Usage

Press the device Key	To change and select 7 groups of IR devices and 1 group of RF device.
Press the scene key	To control the combintional on-off state of multiple terminal nodes and IR devices. And the control results will be shown at display screen.
Selected for IR device, press the single key	To transmit the infrared code of this key has learnt.
Selected for RF device, press the single key	Press it once, the on-off state of the terminal node will reverse once. And the control results will be shown at display screen.
Selected for RF device, long press the single key	To query the on-off state of the terminal node.
Selected for RF device 1.Press the corresponding single key of dimming node. 2.Then press the dimmer keys +&-	To control the brightness of the dimming terminal node.
Selected for RF device, press TV area key	To transmit the infrared code of this key has learnt from TV device.
Selected for RF device, press DVD area key	To transmit the infrared code of this key has learnt from DVD device.

Technical Parameters

Power Supply	3VDC, size AAA*2 alkaline cells
Standby Current	≤30uA
Maimum Operating Current	≤100mA
Wireless Operating Frequency	433MHz
Wireless Transmit Power	~10dbm
Wireless Receiving Sensitivity	≤-105dbm
RF Control Range	about 30m indoor, about 100m outdoor.
IR Control Range	~10m
IR Emission Angle	horizontal≤ 60° , perpendicular≤45°
IR Operating Wavelength Coverage	800~960nm
IR Carrier Frequency	23~100k Hz
Maximum Quantity of Controlable Devices	32
Maximum Quantity of Controlable Terminal Nodes	96
Operating Temperature	0-50°C
Relative Humidity	≤ 80% (Non-condensing)
Dimensions (L * W * H)	220mm * 52mm * 20mm
Weight	105g

Warranty Terms

Gingerway products are guaranteed for 2 years since the date of purchase. During the warranty period, if Gingerway products malfunction(not contain artificial damages) under normal circumstances, they can be free repaired or exchanged at local dealer with the purchase invoice.

1. If due to quality failure during the warranty period, the maintenance is free in first year, only the component cost will be charged in the second year.
2. Disassembling Gingerway product components without the permission of our company or the local client center, our company will no longer bear the free warranty responsibility .

Note: Shenzhen Gingerway Technologies Co., Ltd reserves the right of final explanation for above terms.



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