RL1, RL2, RL3
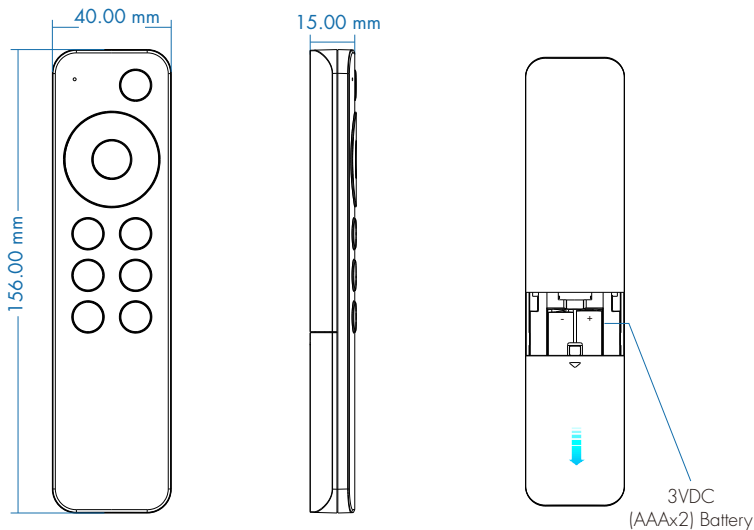## 12-Key RF Remote Controller

DIM/CCT/RGB

Features

- Apply to RF single color, dual color or RGB/RGBW/RGB+CCT LED controller.
- Each remote can match one or more receiver.
- 4-zone or 4-scene modes are available.
- AAAx2 battery powered.
- Operate with LED indicator light.

$C\epsilon$ **RoHS**

Technical Parameters

Input and Output		Safety and EMC		Environment	
Output signal	RF 2.4GHz	EMC standard	EN IEC 55015/ EN IEC 61547 ETSI EN 301 489-1/-3	Operation temperature	Ta: -30°C ~ +50°C
Working voltage	3VDC(AAA×2)			Package	
Working current	＜5mA	Safety standard	EN 61347-1/-2 EN 62493	Size	L170 x W45 x H28mm
Standby current	＜5μA			Gross weight	0.083kg
Standby time	1 year	Radio equipment	ETSI EN 300 440	Warranty	
Remote distance	30m(Barrier-free space)	Certification	CE RoHS	Warranty	5 years

Mechanical Structures and Installations

40.00 mm

15.00 mm

156.00 mm

3VDC (AAAx2) Battery

Key Function

● RL1 dimming remote

RL1 remote can be set as single zone remote (default) or 4-zone remote.

1. Long press ⏻ and ● key at the same time for 5s, set the remote to single zone remote, and the red LED flash 1 time.

2. Long press ⏻ and ⠿ key at the same time for 5s, set the remote to 4-zone remote, and the red LED flash 2 times.

⏻ : Turn on/off light.

◗ ◖ ◒ ◓ ◯ : Five shortcut brightness keys to set 10%, 25%, 50%, 75%, 100% brightness.

☀ ☀ : Brightness +/-, short press 20 levels, long press 1-6s to adjust brightness continuously.

● ⠶ ⠿ ⠿ : In single zone mode, recall or memorise scenes.
 Short press: Recall scene 1/2/3/4.
 Long press for 5s: Save the current light effect to scene 1/2/3/4.

 In 4-zone mode, turn on/off zone light.
 Short press: Select and turn on zone light.
 Long press for 2s: Turn off zone light.
 Short press on multiple zone keys in quick succession to select multiple zones at the same time.

● RL2 CCT remote

RL2 remote can be set as single zone remote (default) or 4-zone remote.

1. Long press ⏻ and ● key at the same time for 5s, set the remote to single zone remote, and the red LED flash 1 time.

2. Long press ⏻ and ⠿ key at the same time for 5s, set the remote to 4-zone remote, and the red LED flash 2 times.

⏻ : Turn on/off light.

WW : Warm white light.

CW : Cool white light.

NW : Neutral white light.

CT- CT+ : Colour temperature +/-, short press 11 levels, long press 1-6s to adjust the color temperature continuously.

☀ ☀ : Brightness +/-, short press 10 levels, long press 1-6s to adjust brightness continuously.

● ⠶ ⠿ ⠿ : In single zone mode, call up or memorise scenes.
 Short press: Recall scene 1/2/3/4.
 Long press 5s: Save the current light effect into the scene 1/2/3/4.

 In 4-zone mode, turn on/off zone light.
 Short press: Select and turn on zone light.
 Long press for 2s: Turn off zone light.
 Short press on multiple zone keys in quick succession to select multiple zones at the same time.

● RL3 RGB/RGBW/RGB+CCT remote

RL3 remote can be set as single zone remote (default) or 4-zone remote.

1. Long press ⏻ and ● key at the same time for 5s, set the remote to single zone remote, and the red LED flash 5 times.

2. Long press ⏻ and ⠿ key at the same time for 5s, set the remote to 4-zone remote, and the red LED flash 6 times.

RL3 remote can be set to four light modes RGB/RGB+W/RGBW/RGB+CCT.

1. Long press w and ● key at the same time for 5s, switch to RGB light mode and the red LED flash 1 time.

2. Long press w and ⠿ key at the same time for 5s, switch to RGB+W light mode (RGB and W can be on at the same time) and the red LED flash 2 times.

3. Long press w and ⠿ key at the same time for 5s, switch to RGBW light mode (RGB and W are not on at the same time, factory default) and the red LED flash 3 times.

4. Long press w and ⠿ key at the same time for 5s, switch to RGB+CCT light mode and the red LED flash 4 times.

⏻ : Turn on/off light.

◎ ◎ : Static color adjustment.
Short press: Switch 24 static colors in sequence.
Long press > 1s: 96 colors adjustment.

◎ ◎ : Dynamic mode adjustment.
Short press: Run the previous/next dynamic mode.
Long press for 2s: 10 levels speed adjustment.

w : In RGB light mode:
Short press: Switch 5 levels of color saturation (75%, 50%, 25%, 0%, 100%) in sequence.
Long press for 1-6s: Continuous color saturation adjustment.

In RGB+W light mode:
Short press: Switch 5 levels of white light brightness (100%, 75%, 50%, 25%, 0%) in sequence.
Long press for 1-6s: Continuous white light brightness adjustment.

In RGBW light mode:
Short press: Switch 5 levels of white light brightness (100%, 75%, 50%, 25%, 10%) in sequence.
Long press for 1-6s: Continuous white light brightness adjustment.

In RGB+CCT light mode:
Short press: Switch 5 color temperatures (Warm White - Neutral White - Cool White) in sequence.
Long press for 1-6s: Continuous color temperature adjustment.

✳ ✳ : Brightness +/-, short press 10 levels, long press 1-6s to adjust the brightness continuously.

• •• ⠿ ⠿ : In single zone mode, recall or memorise scenes.
Short press: Recall scene 1/2/3/4.
Long press for 5s: Save the current light effect to scene 1/2/3/4.

In 4-zone mode, turn on/off zone light.
Short press: Select and turn on zone light.
Long press for 2s: Turn off zone light.
Short press on multiple zone keys in quick succession to select multiple zones at the same time.

Match RF Remote Control

End user can choose the suitable match/delete ways. Two options are offered for selection:

Use the controller's Match key

Match:
Short press match key,
immediately press on/off key of the remote.
The LED indicator fast flash a few times
means match is successful.

Delete:
Press and hold match key for 5s to delete all match,
The LED indicator fast flash a few times means all matched remotes were deleted.

Use Power Restart

Match:
Switch off the power, then switch on power, repeat again.
Immediately short press on/off key 3 times on the remote.
The light blinks 3 times means match is successful.

Delete:
Switch off the power, then switch on power, repeat again.
Immediately short press on/off key 5 times on the remote.
The light blinks 5 times means all matched remotes were deleted.

Note: When set as 4-zone remote control, you need to use the zone key on the remote control for matching or deleting.

Safety Information

1. Read all instructions carefully before you begin this installation.
2. A long time without using the remote control, remove the battery.
   When remote distance becomes smaller and insensitive, replace the battery.
3. If the receiver does not respond, re-match the remote control.
4. Gently handle remote, beware of falling.
5. For indoor and dry location use only.
6. Remove and immediately recycle or dispose of used batteries
   according to local regulations and keep away from children.
   Do not dispose of batteries in household trash or incinerate.
7. Even used batteries can cause serious injury or death.
8. In the event of an accidental poisoning, call your local poison control centre for treatment information.
9. Do not charge the battery.
10. Do not forcibly discharge, charge, disassemble, heat above 55 ℃ or incinerate.
    Failure to do so may result in injury due to venting, leakage or explosion leading to chemical burns.
11. Install the battery correctly according to the polarity (+ and -).
12. Do not mix old and new batteries, different brands or types of batteries such as alkaline,
    carbon zinc or rechargeable batteries.
13. Remove and immediately recycle or dispose of batteries from equipment
    that has not been used for a long period of time according to local regulations.
14. Please secure the battery compartment completely. If the battery compartment is not securely closed,
    stop using the product, remove the batteries, and keep the batteries away from children.