

## RM1, RM2, RM3

### 6-Key RF Remote Controller

#### Features

- Apply to single color, dual color or RGB/RGBWW LED controller.
- Each remote can match one or more receiver.
- CR2032 battery powered.
- Operate with LED indicator light.
- White & Black available.

CE RoHS

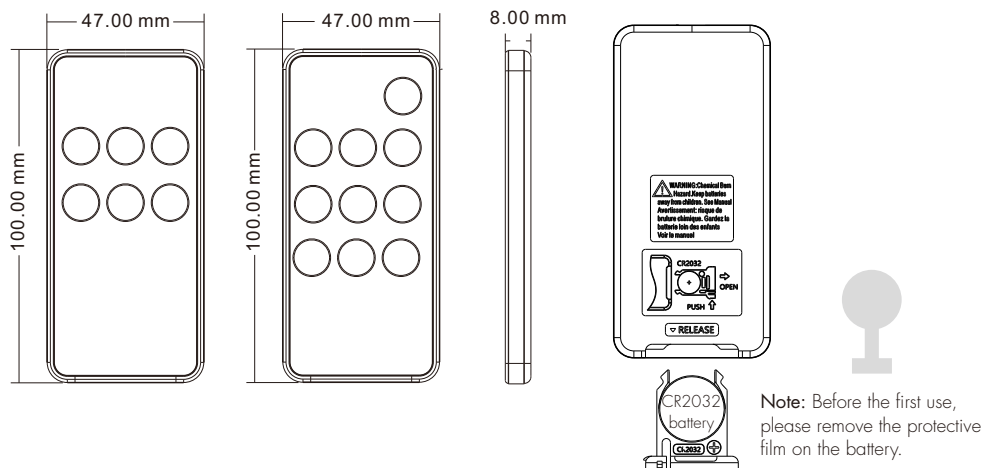
## RF DIM/CCT/RGB/RGBW



#### Technical Parameters

| Input and Output |                         | Environment           |                                       | Safety and EMC  |   |
|------------------|-------------------------|-----------------------|---------------------------------------|-----------------|---|
| Output signal    | RF(2.4GHz)              | Operation temperature | Ta: -30°C ~ +55°C                     | EMC standard    | EN IEC 55015/<br>EN IEC 61547<br>ETSI EN 301 489-1/-3 |
| Working voltage  | 3VDC(CR2032)            | IP rating             | IP20                                  | Safety standard | EN 61347-1/-2<br>EN 62493                             |
| Working current  | <5mA                    | Packing               | Size of the box<br>L104 x W50 x H12mm | Radio Equipment | ETSI EN 300 440                                       |
| Standby current  | <2μA                    |                       |                                       | Certification   | CE RoHS   |
| Standby time     | 2 years                 |                       |                                       | Warranty        | 5 years   |
| Remote distance  | 30m(Barrier-free space) | Gross weight          | 0.040kg                               |                 |   |

#### Dmension



## Match Remote Control (two match ways)

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

#### Use the controller's Match key

Match:

Short press match key, immediately press on/off key on 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:

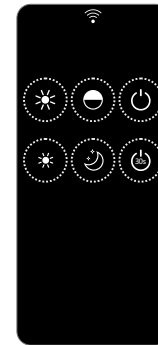
Switch off the power, then switch on power, repeat again. Immediately short press on/off key 3 times on the remote. The light blinks 3 times means match is successful.

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.

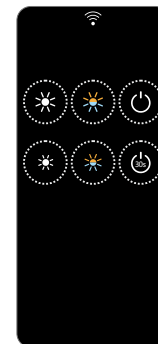
## Key Function

#### • RM1 1 zone dimming remote



- On/Off
- Turn off light after 30s, long press 2s will turn off light after 60s.
- 50% brightness
- 10% brightness for small night light
- Brightness+/-: Short press 10 levels, long press 1-6s for continuous 256 levels adjustment.

#### • RM2 1 zone CCT remote



- On/Off
- Turn off light after 30s, long press 2s will turn off light after 60s.
- Color temperature +/Color temperature -: Short press 11 levels, long press 1-6s for continuous 256 levels adjustment.
- Brightness+/Brightness-: Short press 10 levels, long press 1-6s for continuous 256 levels adjustment.



- On/Off:** Turn on/off light.
- Color:** Short press get 24 kinds static RGB color, long press for continuous static color adjustment.
- |        |        |        |        |
|--------|--------|--------|--------|
|        |        |        |        |
| 1      | 9      | 17     | 25(1)  |
| R 100% | G 100% | B 100% | R 100% |
| 5      | 13     | 21     |        |
| R 100% | G 100% | R 100% |        |
| G 100% | B 100% | B 100% |        |
- Mode+:** Short press run the next dynamic mode, long press 2s run mode cycle.
- Mode -:** Short press run the previous dynamic mode, long press 2s run the first mode.
- Bright/Speed+:** For static RGB color, increase brightness, short press 10 levels, long press 1-6s for continuous 256 levels adjustment.  
For dynamic mode, increase speed, short press 10 levels, long press get the fastest speed.
- Bright/Speed -:** For static RGB color, decrease brightness, short press 10 levels, long press 1-6s for continuous 256 levels adjustment.  
For dynamic mode, decrease speed, short press 10 levels, long press get the slowest speed.
- R/G/B:** Short press get red green or blue color directly, long press 1-6s adjust R/G/B brightness continuously to achieve millions of colors.
- White light:** In RGB color light and W white light can be lit at the same time mode, For RGB light, short press to turn on/off white light (RGB mixed), long press for 1-6s to adjust the color saturation continuously. That is, the current static RGB color slowly changes to RGB mixed white. For RGBW light, short press to turn on/off white light, long press 1-6s to adjust white light brightness by 256 levels continuously. In RGB color light and W white light cannot be lit at the same time mode, For RGB light, short press to get white light (RGB mixed). For RGBW light, short press to turn on white light (RGB color light auto off), long press 1-6s to adjust white light brightness by 256 levels continuously.

**Note:** The RGBW remote control can be set to two working modes:

1. RGB color light and W white light can be lit at the same time;
2. RGB color light and W white light cannot be lit at the same time (factory default).

Long press the key and the key at the same time for 2 seconds, switch two working modes.

When the indicator light blinks 2 times, it is set to the mode that RGB color light and W white light can be lit at the same time;

when the indicator light blinks 4 times, it is set to the mode that RGB color light and W white light cannot be lit at the same time.

## Safety Information

1. Read all instructions carefully before you begin this installation.
2. When installing battery, pay attention to the battery positive and negative polarity.  
A long time without the remote control, remove the battery.  
When remote distance becomes smaller and insensitive, replace the battery.
3. If no response from the receiver, please re-match the remote.
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 may cause severe injury or death.
8. Call a local poison control center for treatment information.
9. Compatible battery type is CR2032 and the nominal battery voltage is 3V.
10. Non-rechargeable batteries are not to be recharged.
11. Do not force discharge, recharge, disassemble, heat above 55°C or incinerate.  
Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
12. Ensure the batteries are installed correctly according to polarity (+ and -).
13. Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
14. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
15. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

### **WARNING**

#### • **INGESTION HAZARD:**

This product contains a button cell or coin battery.



- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.

• **Keep** new and used batteries **OUT OF REACH of CHILDREN**

- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.