LDT-RC-1Z-RGBW-4B

Single-Zone Four-Button RF RGB/RGBW Remote

A 1-zone RGB / RGBW wireless control interface with four push buttons. Pair each zone with compatible receivers configured for the required lighting mode.

Model specifications

Product function	RF control transmitter
Lighting modes	RGB / RGBW
Independent zones	1
Power supply	3 VDC; CR2032 battery
Output signal	Compatible RF 2.4 GHz lighting-control protocol
Working current	<5 mA
Standby current	<5 µA
RF distance	Up to 30 m in unobstructed space
Operating temperature	-30 to +55 °C
Body dimensions	75 x 75 mm face; 18 mm body depth
User interface	Four push buttons
Typical standby time	2 years; actual battery life depends on use
Mounting	Magnetic back holder; screws or adhesive attachment

The following technical-reference pages retain the complete diagrams, dimensions, settings and installation instructions. Select the lighting variant stated on this cover; family diagrams may also illustrate other variants.

RF | DIM / DUO / RGB / RGBW

4-Button RF Remote Controller



DUO
1 Zone Dimming



DUO
1 Zone DUO



DUO
1 Zone RGB/RGBW



DUO
4 Scenes /4 Zones

- Apply to single color or dual color(warm white + cool white) or RGB/RGBW LED controller.
- Each remote can match one or more receiver.
- CR2032 battery powered.
- Operate with LED indicator light.
- Magnet on the back which can be stuck on back holder.

CE RoHS

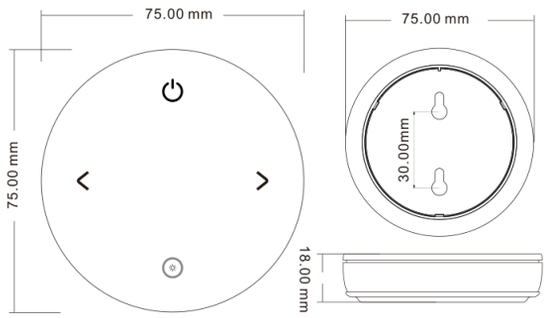
Technical Parameters

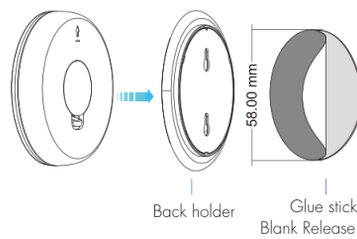
Input and Output	
Output signal	RF(2.4GHz)
Working voltage	3VDC(CR2032)
Working current	<5mA
Standby current	<5μA
Standby time	2 year
Remote distance	30m(Barrier-free space)

Safety and EMC	
EMC standard	EN IEC 55015/EN IEC 61547 ETSI EN 301 489-1/-3
Safety standard	EN 61347-1/-2 EN 62493
Radio Equipment	ETSI EN 300 440
Certification	CE RoHS

Environment	
Operation temperature	Ta: -30 °C ~ +55 °C
Package	
Size	L80 x W80 x H30mm
Gross weight	0.097kg
Warranty	
Warranty	5 years

Mechanical Structures and Installations





To fix the remote back holder, two options are offered for selection:
Option 1: Fix the remote' back holder on the wall with two screws.
Option 2: Adhere the remote' back holder to the wall with glue sticker.

Note:
1. Screw holes need to be installed according to the product diagram using the upper and lower holes installation method.
2. When using with the backrest, you need to follow the product diagram to place the switch keycorresponding to the direction of the upper hole of the backrest, otherwise the remote control can't be attached to the backrest, which will easily cause the remote control to slip off.
3. If the LED indicator is not on when press button, it is due to dead battery or bad contact caused by multiple plugging, please replace the battery, or raise the battery shrapnel with a screwdriver.

Match Remote Control (two match ways)

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 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.

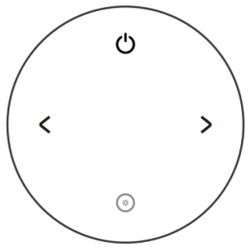
Use Power Restart

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.

Button Function

• DUO 1 zone Dimming remote



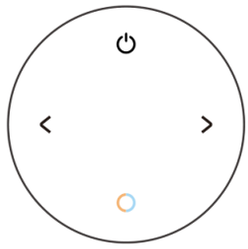
: Turn on/off light.

: Brightness decrease, short press 10 levels, long press brightness decreases continuously.

: Brightness increase, short press 10 levels, long press brightness increases continuously.

: Switch between 10% and 100% brightness.

• DUO 1 zone DUO remote



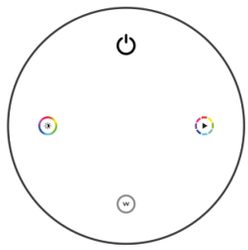
: Turn on/off light.

: Brightness decrease, short press 10 levels, long press brightness decreases continuously.

: Brightness increase, short press 10 levels, long press brightness increases continuously.

: Short press to switch five color temperatures in sequence;
long press to increase or decrease the color temperature continuously.

RGB / RGBW | 1-zone remote



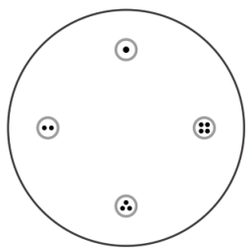
: Turn on/off light.

: Short press to sequentially switch 24 static colors; long press to adjust brightness.

: Short press sequence to toggle dynamic mode; long press for 2 seconds to adjust speed.

: Short press for white light; long press to adjust white light brightness.

• DUO 4 scenes/4 zones remote



: Scene 1 / Zone 1

: Scene 3 / Zone 3

: Scene 2 / Zone 2

: Scene 4 / Zone 4

+ : Press and hold for 5 seconds to set to four scenes, the indicator blinks 2 times.

+ : Press and hold for 5 seconds to set to four zones, the indicator blinks 4 times.

Four scenes: short press to call up the scene, short press again to turn off the scene light.
Four zones: short press to turn on/off the zone light, long press to adjust the brightness of the zone light.
The factory default is four zones function.

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.