LDT-RC-1Z-RGBW

Single-Zone RF RGB/RGBW Remote

A 1-zone RGB / RGBW wireless control interface with rgb touch wheel and channel/zone 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; 2 x AAA batteries
Output signal	Compatible RF 2.4 GHz lighting-control protocol
Working current	<5 mA
Standby current	<10 µA
RF distance	Up to 30 m in unobstructed space
Operating temperature	-30 to +55 °C
Body dimensions	141 x 50 x 17.5 mm
User interface	RGB touch wheel and channel/zone buttons
Typical standby time	1 year; actual battery life depends on use
White control	Independent W-channel control with a compatible RGBW receiver

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□RGB / RGBW

Multiple Zone RGB/RGBW RF Remote Controller



RGBW
1 Zone RGB/RGBW

RGBW
2 Zone RGB/RGBW

RGBW
4 Zone RGB/RGBW

RGBW
8 Zone RGB/RGBW

Features

- Apply to RGB or RGBW LED controller.
- Ultra sensitive color adjustment touch wheel.
- Independent dimming function of each R, G, B, W channel to achieve millions of colors.
- Each remote can match one or more receiver.
- AAAx2 battery powered.
- Operate with LED indicator light.
- Magnet on the back which can be stuck on back holder.

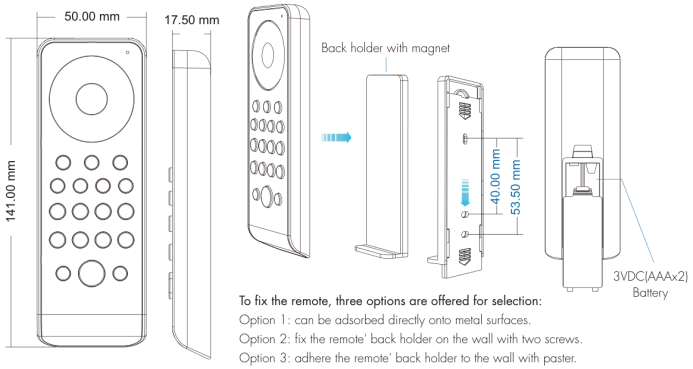
Technical Parameters

Input and Output	
Output signal	RF(2.4GHz)
Working voltage	3VDC(AAAx2)
Working current	<5mA
Standby current	<10μA
Standby time	1 year
Remote distance	30m(Barrier-free space)

Environment	
Operation temperature	Ta: -30°C ~ +55°C
Package	
Size	L156 x W52 x H28mm
Gross weight	0.110kg
Warranty	
Warranty	5 years

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
Certication	CE RoHS FCC

Mechanical Structures and Installations



To fix the remote, three options are offered for selection:

Option 1: can be adsorbed directly onto metal surfaces.
Option 2: fix the remote' back holder on the wall with two screws.
Option 3: adhere the remote' back holder to the wall with paster.

Operation

- When turn on light, the indicator display blue. when turn off light, the indicator display red.
- When touch the color wheel, the indicator will display the same color.
- When press or touch operation is invalid (If the light is off), the indicator display red.
- To extend battery life, no touch or press key operation after a few seconds, the touch wheel will enter sleep state, you need press any key to make touch wheel quit sleep state.

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 (single zone remote)
or zone key (multiple zone remote) 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 (single zone remote) or zone key (multiple zone remote) 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 (single zone remote) or zone key (multiple zone remote) 5 times on the remote.
The light blinks 5 times means all matched remotes were deleted.

Key Function

RGB / RGBW | 1-zone remote



Touch color wheel.

For dynamic mode, adjust speed, short press 10 levels, long press 2s get the slowest or fastest speed.
For static color, adjust saturation, namely change current static color to mixed white slowly,
short press 11 levels, long press 1-6s for continuous adjustment.

Adjust brightness, short press 10 levels, long press 1-6s for continuous adjustment.

8 dynamic mode.

Short press get red, green or blue color directly, long press 1-6s adjust R/G/B brightness continuously to achieve millions of colors.

Short press turn on/off white color, long press 1-6s adjust white brightness continuously.

Turn on/off light.

2 scene memory, short press recall the scene, long press 2s save current color into Scene1/2.
The LED indicator display green when save OK.

RGB / RGBW | 2-zone remote



Touch color wheel.

For dynamic mode, adjust speed, short press 10 levels, long press 2s get the slowest or fastest speed.
For static color, adjust saturation, namely change current static color to mixed white slowly,
short press 11 levels, long press 1-6s for continuous adjustment.

Adjust brightness, short press 10 levels, long press 1-6s for continuous adjustment.

8 dynamic mode.

Short press get red, green or blue color directly, long press 1-6s adjust R/G/B brightness continuously to achieve millions of colors.

Short press turn on/off white color, long press 1-6s adjust white brightness continuously.

Turn on/off all 2 zone light.

Zone 1/2 on/off.
Short press select and turn on zone light, long press 2s turn off zone light.
Short press 1/2 zone key fastly, will select two zone synchronously.

RGB / RGBW | 4-zone remote



Touch color wheel.

Short press play 10 built-in mode, long press 2s run mode-cycle.

For dynamic mode, adjust speed, short press 10 levels, long press 2s get the default speed.
For static color, adjust saturation, short press 11 levels, long press 1-6s for continuous adjustment.

Adjust brightness, short press 10 levels, long press 1-6s for continuous adjustment.

Short press get red, green or blue color directly, long press 1-6s adjust R/G/B brightness continuously to achieve millions of colors.

Short press turn on/off white color, long press 1-6s adjust white brightness continuously.

Turn on/off 1/2/3/4 zone light, at the same time, select current zone.
short press multiple zone on key fastly, will select multiple zone synchronously.

Turn on/off all 4 zone light.

2 scene memory, short press recall the scene, long press 2s save current color into **S1/RF**
The LED indicator display green when save OK. 4 zone recall or save synchronously.

RGB / RGBW | 8-zone remote



Touch color wheel.

Short press play 10 built-in mode, long press 2s run mode-cycle.

For dynamic mode, adjust speed, short press 10 levels, long press 2s get the default speed.
For static color, adjust saturation, short press 11 levels, long press 1-6s for continuous adjustment.

Adjust brightness, short press 10 levels, long press 1-6s for continuous adjustment.

Short press get red, green or blue color directly, long press 1-6s adjust R/G/B brightness continuously to achieve millions of colors.

Short press turn on/off white color, long press 1-6s adjust white brightness continuously.

Turn on/off 1/2/3/4/5/6/7/8 zone light.
Short press select and turn on zone light, long press 2s turn off zone light.
short press multiple zone key fastly, will select multiple zone synchronously.

Turn on/off all 8 zone light.

2 scene memory,short press recall the scene, long press 2s save current color into **S1/RF**
The LED indicator display green when save OK. 8 zone recall or save synchronously.

RGB color light + W white light settings:
When the remote control is used for RGBW light control, it can be operated by long pressing ⏻ and W key for 2s at the same time, to set both RGB color light and W white light can be turned on at the same time or can not be turned on at the same time two ways.
When the green indicator blinks twice, set the RGB color light and W white light can not be turned on at the same time,
That is, when the RGB color light is on, the white light automatically turn off,
and when the white light is on, the RGB color light automatically turn off.
When the green indicator blinks four times, set the RGB color light and W white light are turned on at the same time(factory default).

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.

Statement

FCC Statement:
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.
IC Statement: This Class B digital apparatus complies with Canadian ICES-003.
(Cet appareil numérique de la Classe B conforme à la norme NMB-003 du Canada).