# LDT-RC-4Z-MULTI

## Four-Zone Universal RF Lighting Remote

A 4-zone DIM / DUO / RGB / RGBW / RGB+DUO wireless control interface with touch wheel and function/zone buttons. Pair each zone with compatible receivers configured for the required lighting mode.

### Model specifications

| | |
|---|---|
| Product function | RF control transmitter |
| Lighting modes | DIM / DUO / RGB / RGBW / RGB+DUO |
| Independent zones | 4 |
| 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 | 122 x 53 x 17.5 mm |
| User interface | Touch wheel and function/zone buttons |
| Typical standby time | 1 year; actual battery life depends on use |

Configure each zone for DIM, DUO, RGB, RGBW or RGB+DUO before pairing. Different zones may be set to different lighting types.

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+DUO**

# RGB+DUO Touch Wheel RF Remote Controller

- Apply to **RGB+DUO** ED controller.
- Ultra sensitive color adjustment touch wheel.
- Each remote can match one or more receiver.
- AAAx2 battery powered.
- Operate with LED indicator light.

c UL us LISTED (LED CONTROLLER) E543518 FC CE RoHS

The certification icon represents undergoing cetification applications only, and final certification qualification subject to actual product.



RGB+DUO
1 Zone **RGB+DUO**



DIM
4 Zone **RGB+DUO**

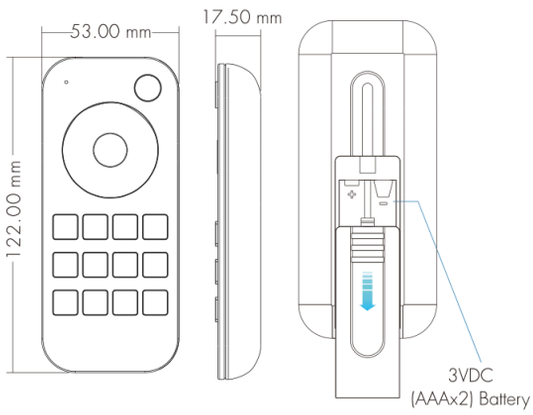
## Technical Parameters

| 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) |

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

| Environment | |
|---|---|
| Operation temperature | Ta: -30 °C ~ +55 °C |
| **Package** | |
| Size | L140 x W60 x H26mm |
| Gross weight | 0.088kg |
| **Warranty** | |
| Warranty | 5 years |

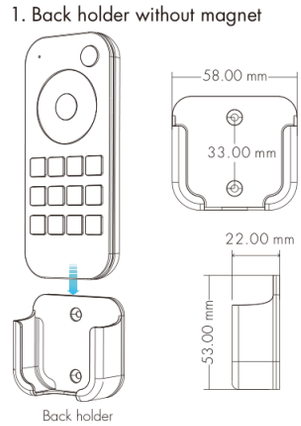
## Mechanical Structures and Installations



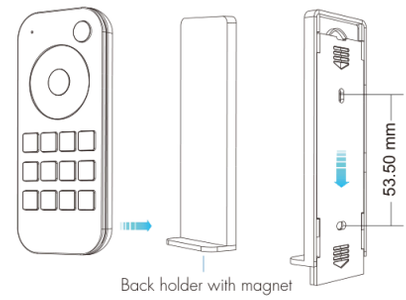

## Back Holder

Two options are offered for selection, please fix the back holder on the wall with two screws, or adhere the back holder to the wall with paster.

1. Back holder without magnet




2. Back holder with magnet
(The remote with built-in magnet)




## 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+DUO | 1-zone remote**




: Turn on/off light.

: Touch to change RGB color or color temperature.
Press RGB or **DUO** key to switch between RGB wheel and **DUO** wheel.

: Adjust RGB or color temperature brightness, short press 10 levels,
long press 1-6s for continuous 256 levels adjustment.

DUO : Adjust color temperature by WW/CW channel, short press 11 levels,
long press adjust WW+CW brightness continuously.

RGB : Short press get 24 kinds static RGB color.

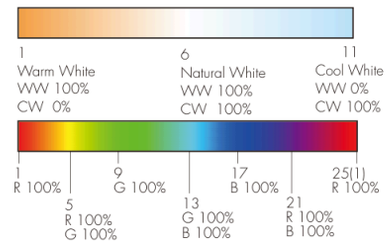
: Short press run next dynamic mode, long press 2s run mode-cycle.

: For dynamic RGB mode, adjust speed, short press 10 levels, long press 2s get the default speed.
For static RGB color, adjust saturation, namely change current static RGB color to mixed white slowly,
short press 11 levels, long press 1-6s for continuous 256 levels adjustment.

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

W : Short press turn on/off white(WW/CW), long press 1-6s to adjust white(WW+CW) brightness continuously,
namely change saturation by adding white color slowly.

DIM/RF : Short press recall the scene, long press 2s save current color into **S1/RF**
the LED indicator display green when save OK.




**RGB+DUO | 4-zone remote**




Each zone can match single color, dual color(WW/CW), RGB, RGBW, or **RGB+DUO(WW/CW)** controller or lamp.

1 2 3 4 + : Single color

1 2 3 4 + : Dual color(WW/CW)

1 2 3 4 + RGB : RGB

1 2 3 4 + : RGBW

1 2 3 4 + : **RGB+DUO**

For example, long press 1 + RGB key for 2s will set zone 1 as RGB light type.
When remote type change OK, the green indicator go on a long time.

: Short press turn on/off all zone light.

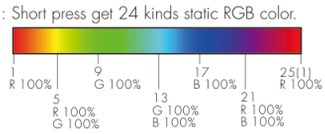
: Touch to change current zone RGB color or color temperature.
Press RGB or **DUO** key to switch between RGB wheel and **DUO** wheel.

1 2 3 4 : Short press select and turn on zone light, long press 2s turn off zone light.

: Adjust RGB or color temperature brightness, short press 10 levels, long press 2s get min or max brightness.

DUO: For dual color or **RGB+DUO(WW/CW),** adjust color temperature by WW/CW channel,
short press 11 levels, long press adjust WW+CW brightness continuously.
For RGB, adjust color temperature by mix R/G/B channel,11 levels.
For RGBW, adjust color temperature by adjust W channel brightness,11 levels.

RGB : Short press get 24 kinds static RGB color.




| | 1<br>Warm White | 6<br>Natural White | 11<br>Cool White |
|---|---|---|---|
| DUO: | WW 100%<br>CW 0% | WW 100%<br>CW 100% | WW 0%<br>CW 100% |
| RGB: | R 100%<br>G 50%<br>B 0% | R 100%<br>G 100%<br>B 100% | R 0%<br>G 50%<br>B 100% |
| RGBW: | W 0% | W 50% | W 100% |

: Short press run next dynamic mode, long press 2s run mode-cycle.

: For dynamic RGB mode, adjust speed, short press 10 levels, long press 2s get the default speed.
For static RGB color, adjust saturation, namely change current static RGB color to mixed white slowly,
short press 11 levels, long press 1-6s for continuous 256 levels adjustment.

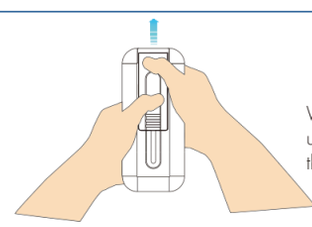
DIM/RF : Short press recall the scene, long press 2s save current state into **S1/RF** the LED indicator display green when save OK.
4 zone recall or save synchronously.

## Statement

FCC ID Statement:
Mobile
RF Exposure Information
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.
IC ID Statement:
Mobile
This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.
Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

## 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.



When replacing the batteries,
use both hands to remove
the back cover of the remote control.