LDT-PNL-RF-4Z-RGBW-AAA

AAA-Powered Four-Zone RF RGBW Panel

A 4-zone RGB / RGBW wireless control interface with glass touch slider and 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	4
Power supply	3 VDC; 2 x AAA batteries
Output signal	Compatible RF 2.4 GHz lighting-control protocol
Working current	<5 mA without tones; <20 mA with tones
Standby current	<20 µA
RF distance	Up to 30 m in unobstructed space
Operating temperature	-20 to +55 °C
Body dimensions	86 x 86 x 20.5 mm
User interface	Glass touch slider and zone buttons
IP rating	IP20
Typical standby time	1 year; actual battery life depends on use
Maximum case temperature	+65 °C

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 / RGB+DUO

Wall Mounted Touch Panel



Features

- Touch panel 4 zone 1-5 color RF remote.
- Each zone can remote control multiple RF 2.4G LED controllers.
- Ultra sensitive high strength glass touch panel with touch color slide in the middle.
- Smooth and accurate color adjustment by touching the color slide.
- Touch keys with chord tones and LED indicator.
- Free installation, no wiring, removable.
- AAA x 2 battery powered.
- White & Black glass panel available.

CE RoHS

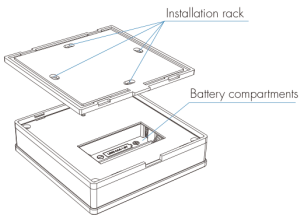
Technical Parameters

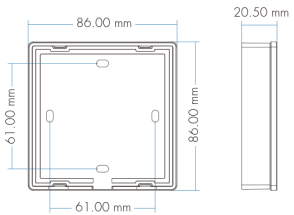
Input and Output	
Output signal	RF(2.4GHz)
Working voltage	3VDC(AAA x 2)
Working current	<5mA(Without tune) <20mA(With tune)
Standby current	<20μA
Standby time	1 year
Remote distance	30m(Barrier-free space)

Environment	
Operation temperature	Ta: -20℃ ~ +55℃
Case temperature (Max.)	Tc: +65℃
IP rating	IP20
Packing	
Size	L100 x W88 x H30mm
Gross weight	0.192kg

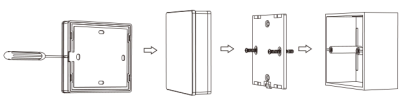
Safety and EMC	
EMC standard	EN IEC 55015/ EN IEC 61547 ETSI EN 301 489-1/-3
Safety standard	EN 61347-1/-2
Radio Equipment	ETSI EN 300 440
Certification	CE RoHS
Warranty	
Warranty	5 years

Mechanical Structures and Installations

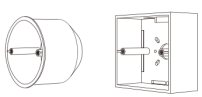




Installation diagram:



Typical base as below:



To fix the panel, two options are offered for selection:
Option 1: fix it on the wall with two screws.
Option 2: adhere it to the wall with paster.

Match with RF LED Controller (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 zone key of the touch panel.
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 of the receiver, then switch on power, repeat again.
Immediately short press zone key 3 times on the touch panel.
The light blinks 3 times means match is successful.

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

Key Function

DIM panel



Turn on/off all zone light.

Brightness slide.

1 2 3 Short press recall scene. Long press 2s to save the current state into 1/2/3.

1 2 3 4

Short press turn on zone light and select zone simultaneously, long press 2s turn off zone light.
Short press multiple zone key fastly, will select multiple zone synchronously.
4 zone control seperately or synchronously, each zone could control multiple receivers.

DUO panel



Turn on/off all zone light.

Color temperature.

Brightness +,10 levels.

Brightness -,10 levels.

S Short press recall scene. Long press 2s to save the current state into the scene.

1 2 3 4

Short press turn on zone light and select zone simultaneously, long press 2s turn off zone light.
Short press multiple zone key fastly, will select multiple zone synchronously.
4 zone control seperately or synchronously, each zone could control multiple receivers.

RGBW panel



Turn on/off all zone light.

Color slide.

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

Adjust dynamic mode speed or static color brightness,10 levels.

W Short press turn on/off W channel, long press adjust W channel brightness.

1 2 3 4

Short press turn on zone light and select zone simultaneously, long press 2s turn off zone light.
Short press multiple zone key fastly, will select multiple zone synchronously.
4 zone control seperately or synchronously, each zone could control multiple receivers.

RGB+DUO panel



Turn on/off all zone light.

RGB color / Color temperature slide.

Switch between RGB color / Color temperature slide.

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

Adjust dynamic mode speed or static color brightness,10 levels.

1 2 3 4

Short press turn on zone light and select zone simultaneously, long press 2s turn off zone light.
Short press multiple zone key fastly, will select multiple zone synchronously.
4 zone control seperately or synchronously, each zone could control multiple receivers.

Note: After touch power key to turn off light, long press power key for 10 seconds will turn on or turn off tone.

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.