LDT-PNL-DMXRF-4Z-RGBCCT

Four-Zone DMX512 & RF RGB+DUO Panel

A four-zone glass control panel for RGB+DUO lighting. Send wired DMX512 signals to compatible decoders or use the RF interface with suitable five-channel lighting receivers.

Model specifications

Product function	Four-zone RGB+DUO DMX512 master and RF remote
Lighting type	RGB + warm white + cool white
Power supply	100-240 VAC
Maximum input current	0.1 A
Output signals	DMX512 + compatible RF 2.4 GHz
Independent zones	4
RF distance	Up to 10 m in unobstructed space
Dimming	0-100%; 256 levels
Operating temperature	-30 to +55 °C
Maximum case temperature	+65 °C
IP rating	IP20
Panel dimensions	86 x 86 x 33 mm
User interface	Glass colour wheel and zone buttons

This panel sends control signals; it is not a direct LED power driver.

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.

DMX512

Wall Mounted Touch Panel

- Touch panel 4 zone RGB+DUO DMX512 master, can also be used as 4 zone RGB+DUO RF remote.
- DMX signal output, comply to standard DMX512 protocol, compatible with DMX decoder from any supplier.
- When used as RF remote, each zone can remote control multiple RF 2.4G LED controllers.
- Ultra sensitive high strength glass touch panel with touch color wheel in the middle.
- Smooth and accurate color adjustment by touching the color wheel.
- Touch keys with LED indicator.
- White & Black glass panel available.





CE RoHS emc RED

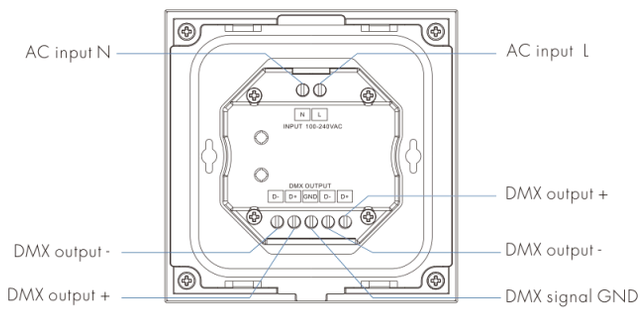
Technical Parameters

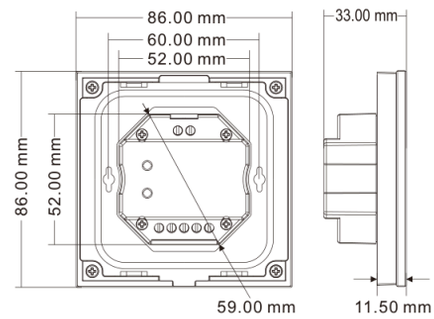
Input and Output	
Input voltage	100-240VAC
Input current	Max 0.1A
Output signal	DMX512, RF 2.4GHz
Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +65°C
IP rating	IP20

Dimming data	
Input signal	Touch key + RF 2.4GHz
RF Control distance	10m(Barrier-free space)
Dimming level	256 levels
Dimming range	0-100%
Package	
Size	L112 x W112 x H50mm
Gross weight	0.234kg

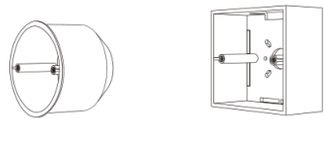
Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard	EN 61348-1:2015+A1:2021 EN 61348-2-13:2014+A1:2017
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,RED
Warranty	
Warranty	5 years

Mechanical Structures and Installations



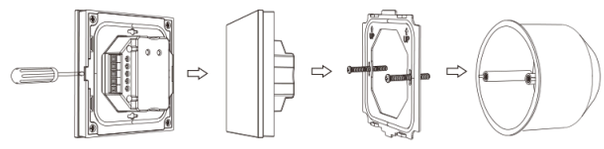


Typical base as below:



European style　　86 size

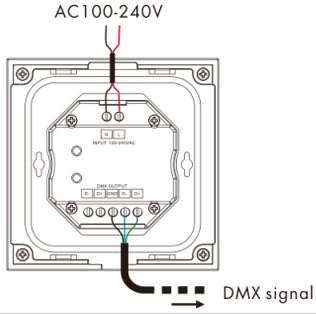
Installation diagram:



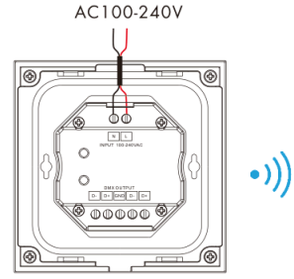
Uninstall　Touch panel　Baseplate　Base

Wiring Diagram

- Touch panel work as DMX512 master



- Touch panel work as RF remote



Key function



ALL —— Turn on/off all zone light.

—— Color wheel.

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

BRT/SPEED —— Adjust dynamic mode speed or static color brightness, 10 levels.

WARM /COLD —— Adjust color temperature, 11 levels.

SCENE 1 SCENE 2 SCENE 3 —— 3 scenes, short press recall the scene, long press 5s save current brightness into scene 1/2/3.

1 ZONE 2 ZONE 3 ZONE 4 ZONE —— 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.

Turn on key tone: Long press power key for 5s when all zone light is off, will turn on or turn off key tone.

Scene locking:

- Scene keys can be set to locked state, cancel long press for 5 seconds to save the scene function (default scene is not locked).
- Short press the panel on/off key, turn on the light first, then turn off the light, immediately long press the panel on/off key for 5 seconds, then immediately long press any one scene key for 5 seconds to set all scene keys to locked state.
- Short press the panel on/off key, turn on the light first, then turn off the light, immediately long press the panel on/off key for 5 seconds, then immediately long press any one scene key for 10 seconds to restore all scene keys to unlocked state.

Touch Panel work as DMX512 Master

After connect with DMX decoders, please set the DMX decoders address as below:

DMX address	Light color channel				
	R	G	B	WW	CW
Zone 1 DMX decoder's address	1	2	3	4	5
Zone 2 DMX decoder's address	6	7	8	9	10
Zone 3 DMX decoder's address	11	12	13	14	15
Zone 4 DMX decoder's address	16	17	18	19	20

Touch Panel work as RF remote

Touch panel 4 zone remote can match with **RGB+DUO** or single color, dual color, RGB) light type RF controller.
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.

Dynamic mode list

No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Color temperature smooth	10	White fade in and out