OPTONICA LED

Wall Mounted Touch Panel

Model No.: T11, T12, T13, T14

4 Zone/1-4 color/Glass touch panel/Color wheel/AC input/DMX 512 and RF 2.4G signal output

T11   T12   T13   T14

CE RoHS emc LVD RED

Features

● Touch panel 4 zone 1-4 color DMX512 master, can also be used as 4 zone 1-4 color 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 Skydance's 2.4G LED controllers.
● Ultra sensitive high strength glass touch panel with touch color wheel in the middle and backlighting.
● Smooth and accurate color adjustment by touching the color wheel.
● Touch keys with chord tones and LED indicator.

Technical Parameters

Model No.	T11	T12	T13	T14
Light type	Single color	Dual color	RGB	RGBW
Output DMX channel number	4	8	12	16

Input and Output

Input voltage	85-265VAC
Input current	Max 0.1A
Output signal	DMX512, RF 2.4GHz

Safety and EMC

EMC standard (EMC)	EN301 489,EN 62479
Safety standard(LVD)	EN60950
Radio Equipment(RED)	EN300 328
Certification	CE,EMC,LVD,RED

Warranty

Warranty	5 years

Dimming data

Input signal	Touch key + RF 2.4GHz
RF Control distance	30m
Dimming level	256 levels
Dimming range	0-100%

Environment

Operation temperature	Ta: -30℃ ~ +55℃
Case temperature (Max.)	Tc: +85℃
IP rating	IP20

Mechanical Structures and Installations

T11/ T12
T13/T14

DMX output +   AC input L
DMX output -   AC input N
DMX signal GND

86mm   11.5mm
86mm
45.5mm   Ø 62mm   35mm
59mm

Installation diagram:

Uninstall   Touch panel   Baseplate   Base
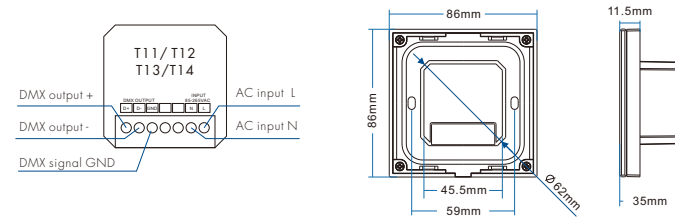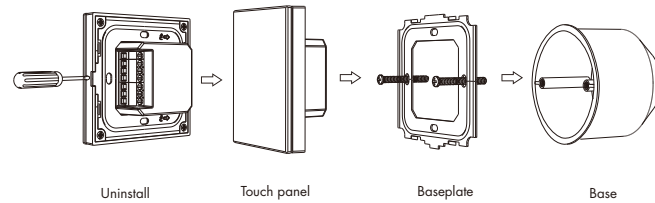
Typical base as below:
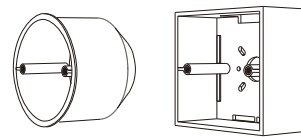
European style   86 size

Key function

T11   Single color panel
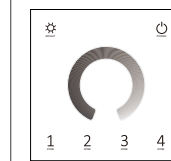
☀ POWER — Turn on/off all zone light.
☀ BRIGHT — Brightness,10 levels.
◯ — Brightness wheel.

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.
4 zone control seperately or synchronously, each zone could control multiple receivers.

T12   Dual color panel

☀ BRIGHT — Turn on/off all zone light.
☀ — Brightness,10 levels.
◯ — Color temperature wheel.

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.
4 zone control seperately or synchronously, each zone could control multiple receivers.
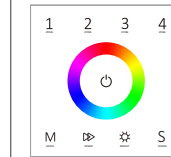
T13   RGB panel

⏻ — Turn on/off all zone light.
◯ — Color wheel.
M MODE — Short press play 10 built-in mode, long press 2s run mode-cycle.
▷ SPEED — Adjust dynamic mode speed or RGB color saturation, 10 levels.
☀ BRIGHT — Adjust brightness, 10 levels.
S SCENE — Short press replay scene. Long press 2s to save the current color into the scene.

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.
4 zone control seperately or synchronously, each zone could control multiple receivers.
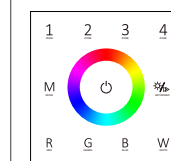
T14   RGBW panel

⏻ — Turn on/off all zone light.
◯ — Color wheel.
M MODE — Short press play 10 built-in mode, long press 2s run mode-cycle.
◈ BRIT/SPEED — Adjust dynamic mode speed or static color brightness,10 levels.
R RED G GREEN B BLUE W WHITE — Short press get red,green,blue,white color,
long press adjust each color brightness.

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.
4 zone control seperately or synchronously, each zone could control multiple receivers.
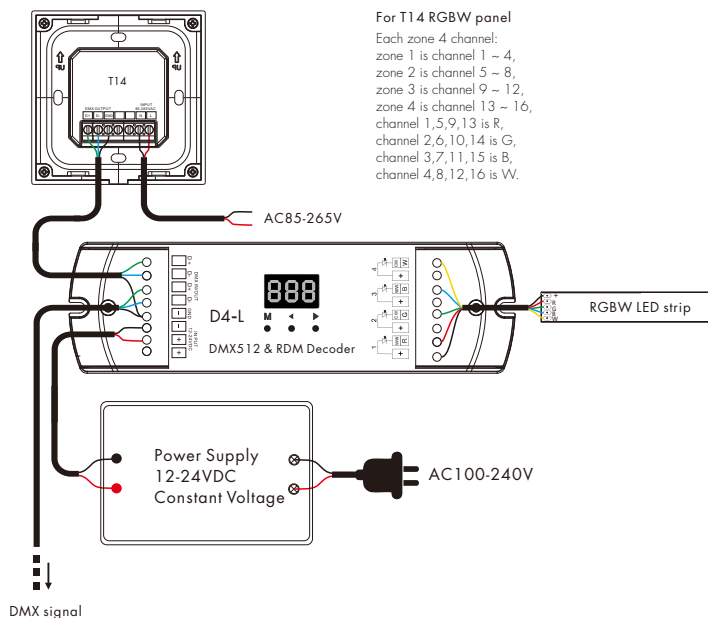
Note: After touch power key to turn off light, long press power key for 5 seconds will turn on or turn off tone.

Touch Panel work as DMX512 Master

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

Model No.	T11	T12		T13			T14			
		WW	CW	R	G	B	R	G	B	W
Zone 1 DMX decoder's address	1	1	2	1	2	3	1	2	3	4
Zone 2 DMX decoder's address	2	3	4	4	5	6	5	6	7	8
Zone 3 DMX decoder's address	3	5	6	7	8	9	9	10	11	12
Zone 4 DMX decoder's address	4	7	8	10	11	12	13	14	15	16

Wiring Diagram for touch panel work as DMX512 master

For T14 RGBW panel
Each zone 4 channel:
zone 1 is channel 1 ~ 4,
zone 2 is channel 5 ~ 8,
zone 3 is channel 9 ~ 12,
zone 4 is channel 13 ~ 16,
channel 1,5,9,13 is R,
channel 2,6,10,14 is G,
channel 3,7,11,15 is B,
channel 4,8,12,16 is W.

Touch Panel work as RF remote (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.

Delete:
Press and hold match key for 5s to delete all match, The light blinks 5 times means all matched remotes were deleted.

Use Power Restart

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

Wiring Diagram for touch panel work as RF remote

AC85-265V
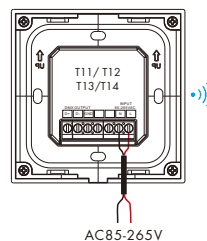
Malfunctions analysis & troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power. 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
Wrong color	1. DMX decoder first address error. 2. Wrong connection of output wires.	1. Check the DMX first address. 2. Reconnect output wires.

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