# Wall Mounted Touch Panel

## Model No.: T11-1, T12-1, T13-1, T14-1, T15-1

4 Zone/1-5 color/Glass touch panel/Color slide/AC input/DMX 512 and RF 2.4G signal output



T11-1    T12-1    T13-1    T14-1    T15-1
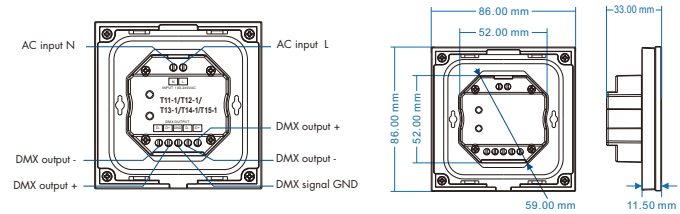
CE  RoHS  emc  LVD  RED

## Features

● Touch panel 4 zone 1-5 color DMX512 master, can also be used as 4 zone 1-5 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 RF 2.4G LED controllers.
● Ultra sensitive high strength glass touch panel with touch color slide in the middle and backlighting.
● Smooth and accurate color adjustment by touching the color slide.
● Touch keys with LED indicator.
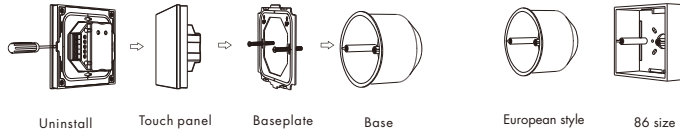● White & Black glass panel available.

## Technical Parameters

| Model No. | T11-1 | T12-1 | T13-1 | T14-1 | T15-1 |
|---|---|---|---|---|---|
| Light type | Single color | Dual color | RGB | RGBW | RGB+CCT |
| Output DMX channel number | 4 | 8 | 12 | 16 | 20 |

| Input and Output | |
|---|---|
| Input voltage | 100-240VAC |
| Input current | Max 0.1A |
| Output signal | DMX512, RF 2.4GHz |

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

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

| Environment | |
|---|---|
| Operation temperature | Ta: -30°C ~ +55°C |
| Case temperature (Max.) | Tc: +65°C |
| IP rating | IP20 |

| Weight | |
|---|---|
| Net weight | 0.176kg |
| Gross weight | 0.230kg |

| Warranty | |
|---|---|
| Warranty | 5 years |

## Mechanical Structures and Installations



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

86.00 mm
52.00 mm
86.00 mm
52.00 mm
33.00 mm
59.00 mm    11.50 mm

Installation diagram:



Uninstall    Touch panel    Baseplate    Base

Typical base as below:



European style    86 size

## Key function

### T11-1    Single color panel
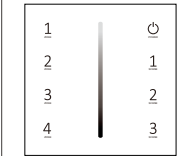


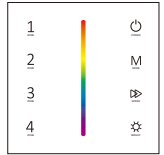⏻ —— Turn on/off all zone light.
▌ —— Brightness slide.
1 2 3 —— Short press recall scene. Long press 2s to save the current state into 1/2/3.
1 2 3 4
Short press turn on zone light and select zone simultaneously, long press 2s turn off zone light.
4 zone control seperately or synchronously, each zone could control multiple receivers.

### T12-1    Dual color 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.
4 zone control seperately or synchronously, each zone could control multiple receivers.

### T13-1    RGB panel



⏻ —— Turn on/off all zone light.
▌ —— Color slide.
M —— Short press play 10 built-in dynamic mode, long press 2s run mode-cycle.
▷ —— Adjust dynamic mode speed or RGB color saturation, 10 levels.
☼ —— Adjust brightness, 10 levels.
1 2 3 4
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.

### T14-1    RGBW panel
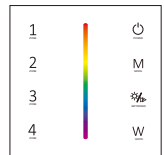


⏻ —— Turn on/off all zone light.
▌ —— Color slide.
M —— Short press play 10 built-in dynamic mode, long press 2s run mode-cycle.
%▷ —— Adjust dynamic mode speed or static color brightness,10 levels.
W —— Short press turn on/off W channel, long press adjust W channel brightness.
1 2 3 4
Short press turn on zone light and select zone simultaneously, long press 2s turn off zone light.
4 zone control seperately or synchronously, each zone could control multiple receivers.

### T15-1    RGB+CCT panel



⏻ —— Turn on/off all zone light.
▌ —— RGB color / Color temperature slide.
SWITCH —— Switch between RGB color / Color temperature slide.
M —— Short press play 10 built-in dynamic mode, long press 2s 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.
4 zone control seperately or synchronously, each zone could control multiple receivers.
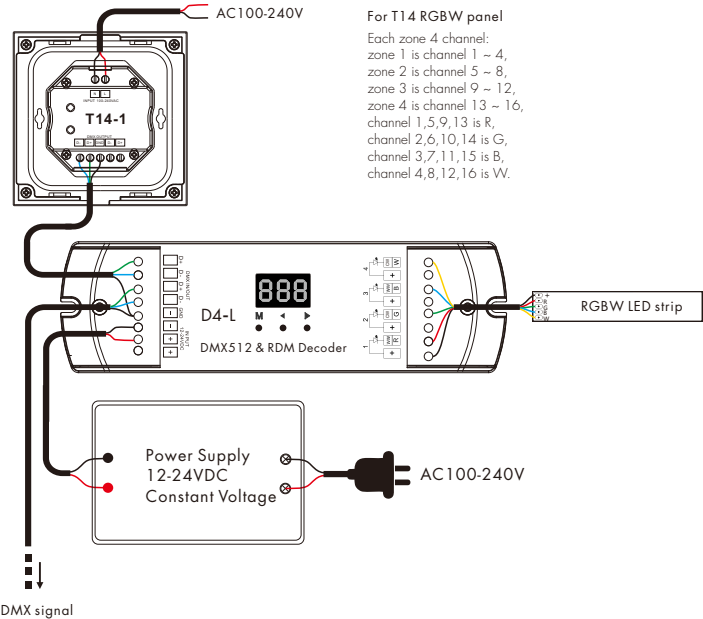
**Turn on key tone:** Long press power key for 5s when all zone light is off, will turn on or turn off key tone.

## Touch Panel work as DMX512 Master

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

| Model No. | T11-1 | T12-1 | | T13-1 | | | T14-1 | | | | T15-1 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | WW | CW | R | G | B | R | G | B | W | R | G | B | WW | CW |
| Zone 1 DMX decoder's address | 1 | 1 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 5 |
| Zone 2 DMX decoder's address | 2 | 3 | 4 | 4 | 5 | 6 | 5 | 6 | 7 | 8 | 6 | 7 | 8 | 9 | 10 |
| Zone 3 DMX decoder's address | 3 | 5 | 6 | 7 | 8 | 9 | 9 | 10 | 11 | 12 | 11 | 12 | 13 | 14 | 15 |
| Zone 4 DMX decoder's address | 4 | 7 | 8 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 16 | 17 | 18 | 19 | 20 |

## Wiring Diagram for touch panel work as DMX512 master

AC100-240V

**T14-1**

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.

**888**

D4-L
DMX512 & RDM Decoder

RGBW LED strip

Power Supply
12-24VDC
Constant Voltage

AC100-240V

DMX signal

## Touch Panel work as DMX512 master match RF remote

Touch panel 4 zone DMX512 master can also match with 4 zone RF remote (Optional).
End user can choose the suitable match/delete ways. Two options are offered for selection:

### Use On/Off key

Match:
Turn on light, turn off, immediately press the On/Off key of the panel for 5s,
then press any zone key of the RF remote within 5s.
The LED indicator fast flash 3 times
means match is successful.

Delete:
Turn on light, turn off, immediately press the On/Off key of the panel for 10s to delete all match,
The LED indicator fast flash 6 times
means all matched remotes were deleted.

### Use Power Restart

Match:
Switch off the power of the panel, then switch on power again, immediately short press any zone key 3 times on the remote.
The LED indicator fast flash 3 times
means match is successful.

Delete:
Switch off the power of the panel, then switch on power again, immediately short press any zone key 5 times on the remote.
The LED indicator fast flash 6 times
means all matched remotes were deleted.

## Touch Panel work as RF remote

Touch panel 4 zone remote can match with RF controller for the corresponding light type.
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 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

AC100-240V

T11-1/T12-1/
T13-1/T14-1/T15-1
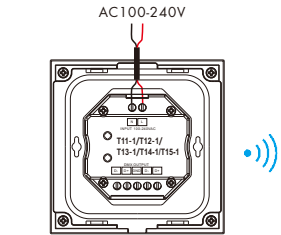
## RGB/RGBW dynamic mode list (only for T13-1 / T14-1)

| 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 | Yellow cyan purple smooth | 10 | White fade in and out |

## RGB+CCT dynamic mode list (only for T15-1)

| 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 |

## Malfunctions analysis & troubleshooting

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