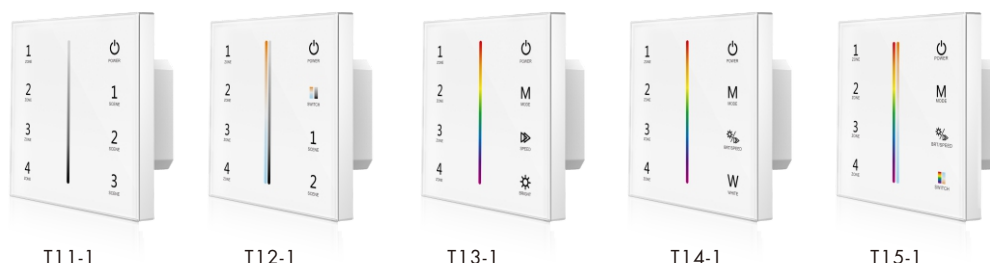# Wall Mounted Touch Panel

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

**SKYDANCE**

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 receivers, including Skydance's 2.4G LED controller, dimming driver or smart lamp.
- 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 chord tones and LED indicator.

## 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

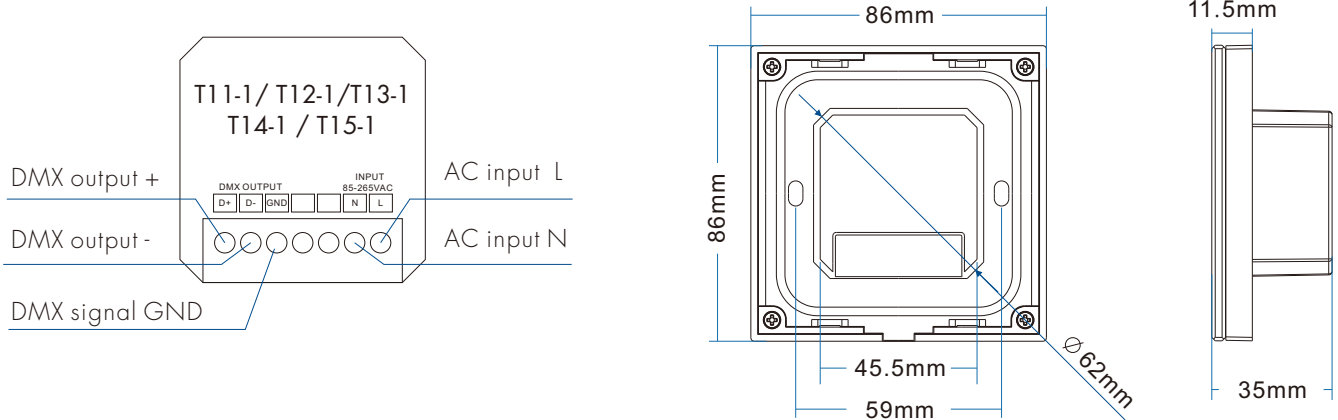| | |
|---|---|
| Input voltage | 85-265VAC |
| Input current | Max 0.1A |
| Output signal | DMX512, RF 2.4GHz |

### 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

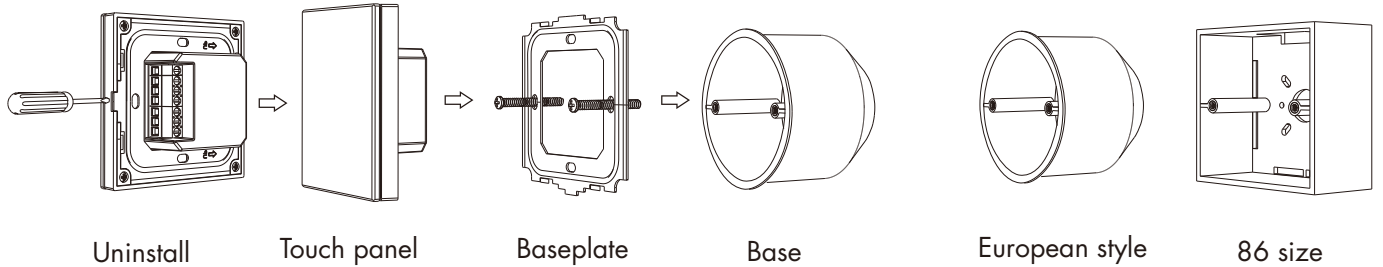| | |
|---|---|
| Input signal | Touch key + RF 2.4GHz |
| RF Control distance | 30m |
| Dimming level | 256 levels |
| Dimming range | 0-100% |

### Environment

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

# Mechanical Structures and Installations

T11-1 / T12-1/T13-1
T14-1 / T15-1

DMX output +

DMX output -

DMX signal GND

DMX OUTPUT
D+  D-  GND

INPUT
85-265VAC
N  L

AC input  L

AC input N

86mm

11.5mm

86mm

45.5mm

59mm

Ø 62mm

35mm

**Installation diagram:**

Uninstall

Touch panel

Baseplate

Base

**Typical base as below:**

European style

86 size

# Key function

## T11-1    Single color panel

| 1 Zone | | Power |
| 2 Zone | | 1 Scene |
| 3 Zone | | 2 Scene |
| 4 Zone | | 3 Scene |
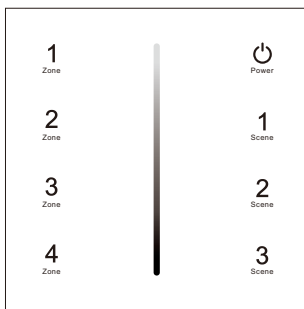
⏻ Power —— Turn on/off all zone light.

▮ —— Brightness slide.

1 Scene  2 Scene  3 Scene —— Short press recall scene. Long press 2s to save the current state into 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.
4 zone control seperately or synchronously, each zone could control multiple receivers.

## T12-1    Dual color panel

| 1 Zone | | Power |
| 2 Zone | | Switch |
| 3 Zone | | 1 Scene |
| 4 Zone | | 2 Scene |
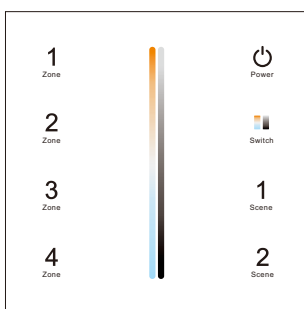
⏻ Power —— Turn on/off all zone light.

▮ —— Color temperature / Brightness slide.

▮ Switch —— Switch between color temperature / brightness slide

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

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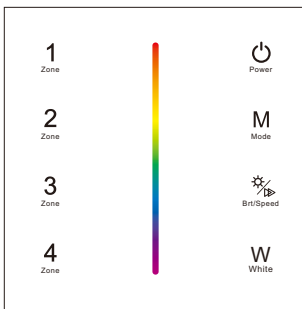4 zone control seperately or synchronously, each zone could control multiple receivers.

## T13-1  RGB panel
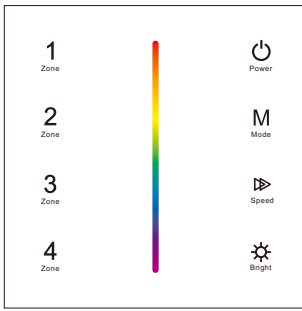
⏻ Power —— Turn on/off all zone light.

▮ —— Color slide.

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

▷▷ Speed —— Adjust dynamic mode speed or RGB color saturation, 10 levels.

☼ Bright —— Adjust brightness, 10 levels.

**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.
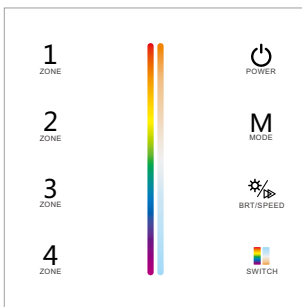
## T14-1  RGBW panel

⏻ Power —— Turn on/off all zone light.

▮ —— Color slide.

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

☼/▷▷ Brt/Speed —— Adjust dynamic mode speed or static color brightness, 10 levels.

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

## T15-1  RGB+CCT panel

⏻ POWER —— Turn on/off all zone light.

▮ —— RGB color / Color temperature slide.

▦ SWITCH —— Switch between RGB color / Color temperature slide.

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

☼/▷▷ Brt/Speed —— Adjust dynamic mode speed or static color brightness, 10 levels.

**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.
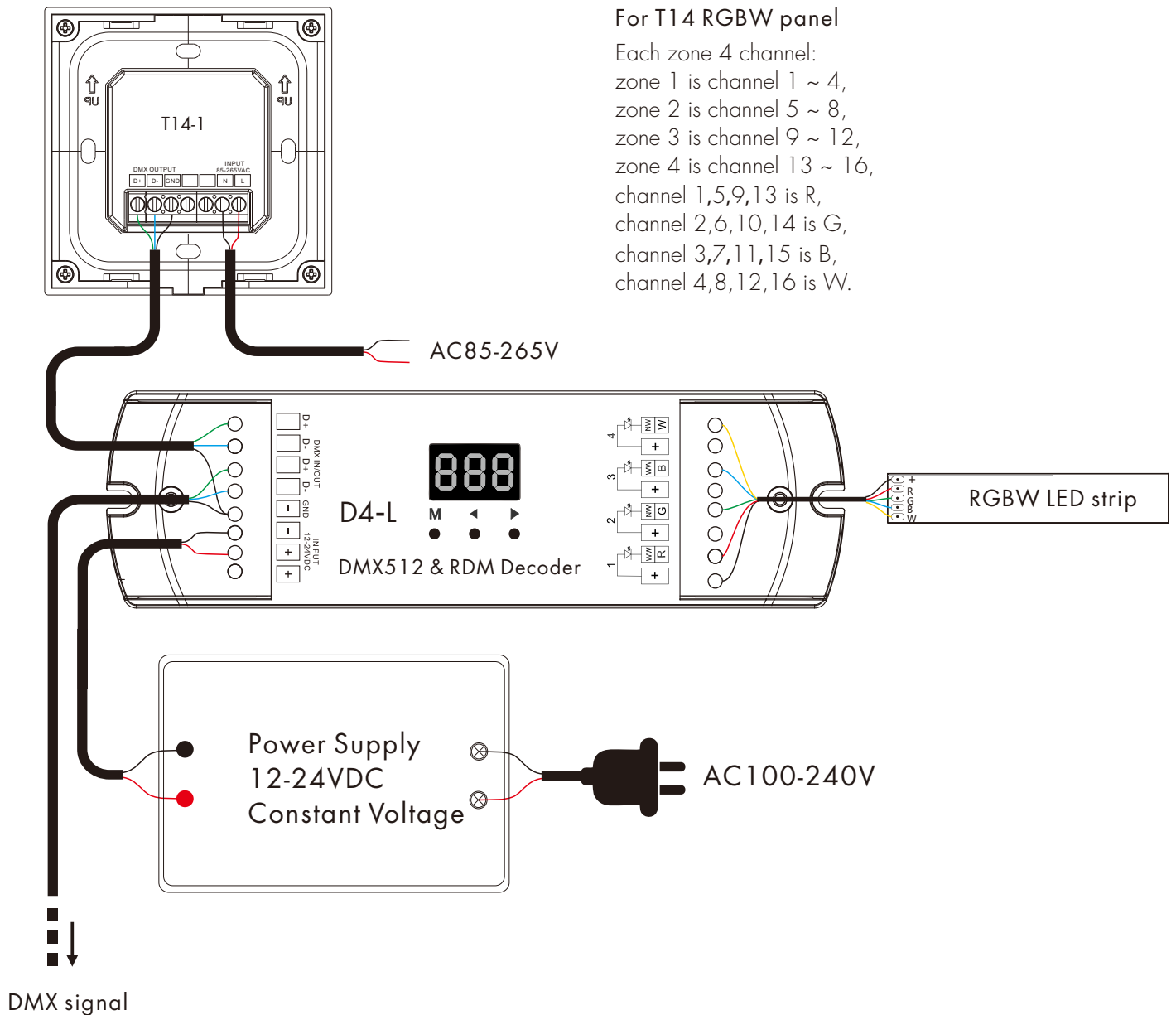
**Note:** After touch power key to turn off light, long press power key for 5 seconds will turn on or turn off tone.

## Touch Panel work as DMX512 Master

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

| Model No. | T11-1 | T12-1 | T13-1 | T14-1 | T15-1 |
|---|---|---|---|---|---|
| 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



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
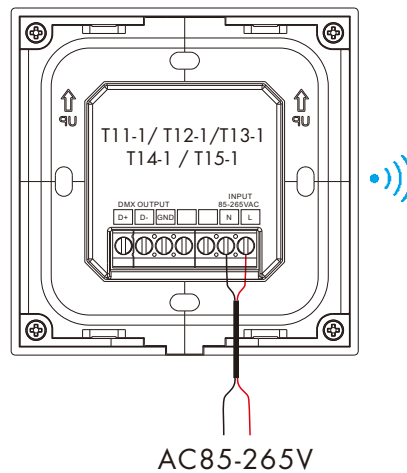
## Malfunctions analysis & troubleshooting

| Malfunctions | Causes | Troubleshooting |
|---|---|---|
| No light | 1. No power.<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. |