

- CE RoHS  LVD

|                           |                           |                         |     |                     |                     |                         |
|---------------------------|---------------------------|-------------------------|-----|---------------------|---------------------|-------------------------|
| Model No.                 | T11                       | T12                     | T13 | T14                 | Input and Output    |                         |
| Light type                | Single color              | Dual color              | RGB | RGBW                | Input voltage       | 100-240VAC              |
| Output dmx channel number | 4                         | 8                       | 12  | 16                  | Input current       | Max 0.1A                |
|                           |                           |                         |     |                     | Output signal       | DMX512, RF 2.4GHz       |
| Safety and EMC            |                           | Environment             |     |                     | Dimming data        |                         |
| EMC standard (EMC)        | ETSI EN 301 489-1 V2.2.3  | Operation temperature   |     | Ta: -30℃ ~ +55℃     | Input signal        | Touch key, RF 2.4GHz    |
|                           | ETSI EN 301 489-17 V3.2.4 | Case temperature (Max.) |     | Tc: +65℃            | RF Control distance | 10m(Barrier-free space) |
| Safety standard           | EN 62368-1:2020+A11:2020  | IP rating               |     | IP20                | Dimming level       | 256 levels              |
| Radio Equipment(RED)      | ETSI EN 300 328 V2.2.2    | Package                 |     |                     | Dimming range       | 0-100%                  |
| Certification             | CE,EMC,RED                | Size                    |     | L112 x W112 x H50mm | Warranty            |                         |
|                           |                           | Gross weight            |     | 0.234kg             | Warranty            | 5 years                 |

Technical drawing of the T11/T12/T13/T14 lighting fixture, showing front and side views with dimensions.

**Front View Dimensions:**

- Overall width: 86.00 mm
- Overall height: 86.00 mm
- Inner width (DMX output area): 60.00 mm
- Inner height (DMX output area): 52.00 mm
- Mounting hole diameter: 5.00 mm
- DMX output terminal pitch: 2.54 mm

**Side View Dimensions:**

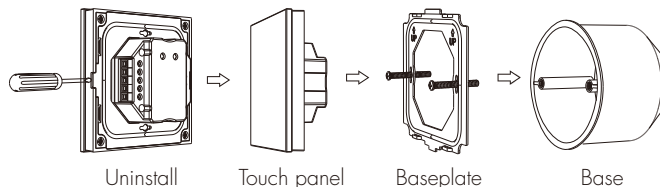
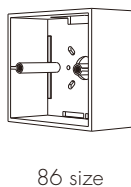
- Overall height: 33.00 mm
- Mounting flange thickness: 11.50 mm

**Labels and Connections:**

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

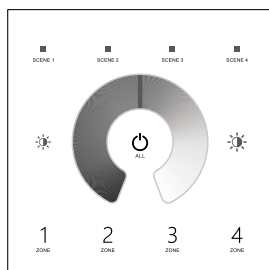


European style



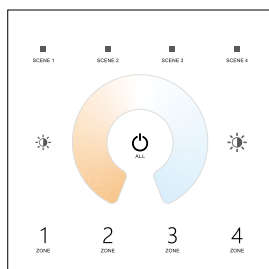
## Key function

### • T11 Single color panel



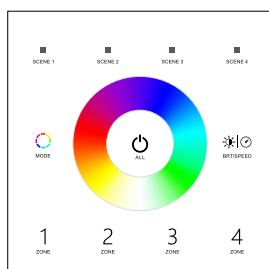
- Turn on/off all zone light.
  - Brightness+, 10 levels.
  - Brightness-, 10 levels.
  - Brightness wheel.
  - 4 scenes, short press recall the scene, long press 5s save current brightness into scene 1/2/3/4.
  - 1 2 3 4  
ZONE ZONE ZONE ZONE
- Short press turn on zone light and select zone simultaneously, long press 2s turn off zone light.  
Short press multiple zone key fastly, will select multiple zone synchronously.  
4 zone control separately or synchronously, each zone could control multiple receivers.

### • T12 Dual color panel



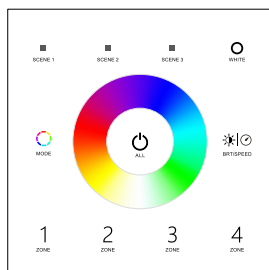
- Turn on/off all zone light.
  - Brightness+, 10 levels.
  - Brightness-, 10 levels.
  - Color temperature wheel.
  - 4 scenes, short press recall the scene, long press 5s save current brightness into scene 1/2/3/4.
  - 1 2 3 4  
ZONE ZONE ZONE ZONE
- Short press turn on zone light and select zone simultaneously, long press 2s turn off zone light.  
Short press multiple zone key fastly, will select multiple zone synchronously.  
4 zone control separately or synchronously, each zone could control multiple receivers.

### • T13 RGB panel



- Turn on/off all zone light.
  - Color wheel.
  - Short press play 10 built-in dynamic mode, long press 2s run mode-cycle.
  - Adjust dynamic mode speed or static color brightness, 10 levels.
  - 4 scenes, short press recall the scene, long press 5s save current brightness into scene 1/2/3/4.
  - 1 2 3 4  
ZONE ZONE ZONE 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 separately or synchronously, each zone could control multiple receivers.

### • T14 RGBW panel



- Turn on/off all zone light.
  - Color wheel.
  - Short press play 10 built-in dynamic mode, long press 2s run mode-cycle.
  - Adjust dynamic mode speed or static color brightness, 10 levels.
  - Short press get white color, long press adjust white brightness.
  - 3 scenes, short press recall the scene, long press 5s save current brightness into scene 1/2/3.
  - 1 2 3 4  
ZONE ZONE ZONE 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 separately 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 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, repeat again.  
Immediately short press any zone key 3 times on the remote.  
The LED indicator fast flash 3 timesmeans match is successful.

Delete:  
Switch off the power of the panel, then switch on power, repeat 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, repeat again.  
Immediately short press zone key 3 times on the touch panel.  
The light blinks 3 times means match is successful.

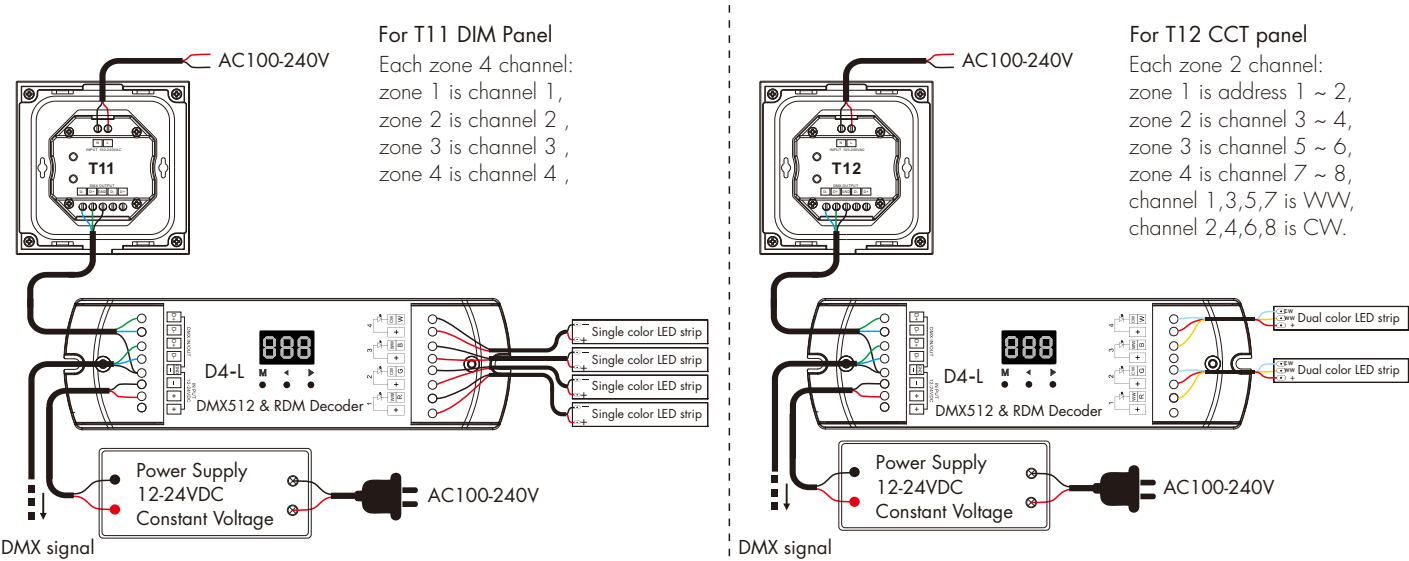
Delete:  
Switch off the power of the receiver, then switch on power, repeat again.  
Immediately short press zone key 5 times on the touch panel.  
The light blinks 5 times means all matched remotes were deleted.

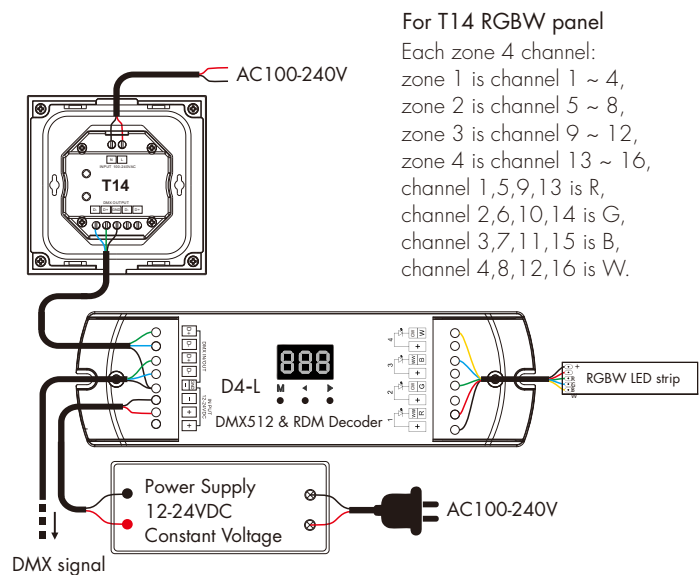
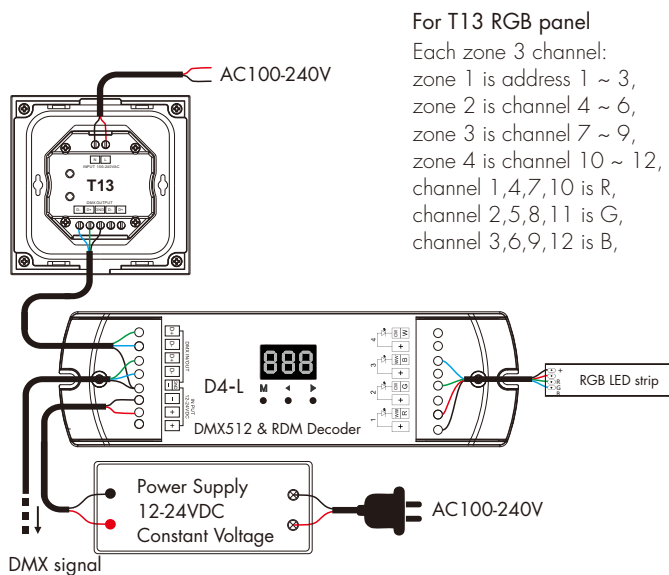
The address assignment of touch panel work as DMX512 master

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

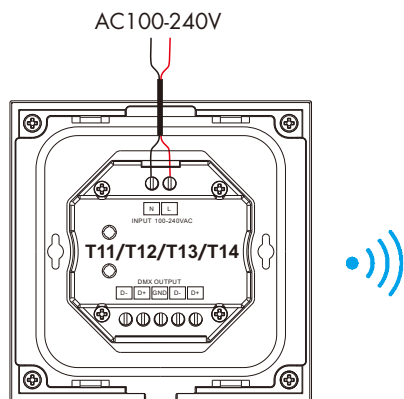
| Model No.                    | T11 | T12 |    | T13 |    |    | T14 |    |    |    |
|------------------------------|-----|-----|----|-----|----|----|-----|----|----|----|
|                              |     | WW  | CW | R   | G  | B  | R   | G  | B  | W  |
| Zone 1 DMX decoder’s address | 1   | 1   | 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





## Wiring diagram for touch panel work as RF remote



## RGB/RGBW dynamic mode list (only for T13 / T14)

| 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 |

## 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. |