

LTECH EDT1 LED Touch Controller



# LTECH EDT1 LED Touch Controller User Manual

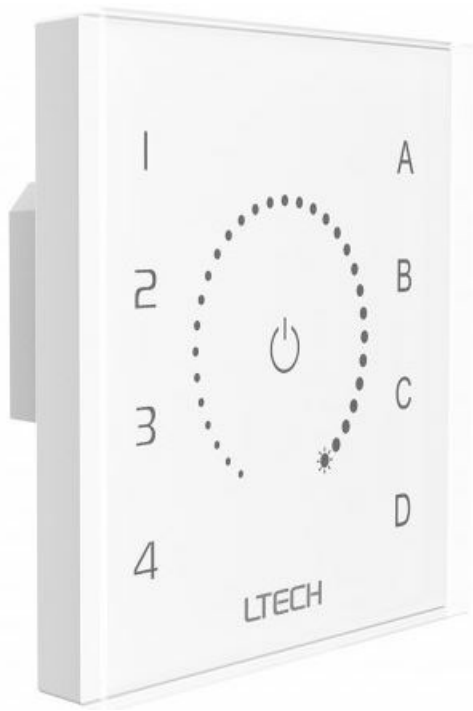
[Home](#) » [LTECH](#) » LTECH EDT1 LED Touch Controller User Manual 

## Contents

- [1 LTECH EDT1 LED Touch Controller](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 FAQ](#)
- [5 Product Features](#)
- [6 Dimensions](#)
- [7 Panel Key Description](#)
- [8 Terminals](#)
- [9 Installation Instructions](#)
- [10 Wiring Diagram](#)
- [11 DALI Address Settings](#)
- [12 Documents / Resources](#)
  - [12.1 References](#)

**LTECH**

**LTECH EDT1 LED Touch Controller**



## Product Information

### Specifications

- Power supply: DALI bus
- Control mode: EDT1 DIM, EDT2 CT, EDT3 RGB, EDT4 RGBW
- Signal: DALI
- Working temperature: Not specified
- Dimensions (LxWxH): 86mm x 48mm x 82mm
- Package size (LxWxH): Not specified
- Weight (G.W.): Not specified

## Product Usage Instructions

### Panel Key Description

Zone keys (unicast/group/broadcast):

- Short press: turn on the lamp or select the zones, the indicator light is on.
- Long press: turn off the lamp, the indicator light flashes then turns off.

### Dimming Circle (EDT1)

- Brightness adjustment: click , then slide the color circle after the key light is on.
- CT adjustment: click , then slide the color circle after the key light is on.

### Scene Keys

- Short press: play scene, the indicator light is on.

- Long press: save scene, the indicator light flashes.

## **Colour Circle**

- Brightness adjustment: click, then slide the colour circle after the key light is on.
- RGB adjustment: click, then slide the colour circle after the key light is on.
- Saturation adjustment: click, then slide the colour circle after the key light is on.

## **Terminals**

DA1: 78 BC DE BC DE 901 F F 23 A A 456 XY Z

## **Installation Instructions**

Panel plate Junction boxes are as follow:

- Panel: European style 86 type
- Junction box: Remove 05

## **Wiring Diagram**

- DALI bus power supply
- DALI touch panel
- DALI bus
- DALI driver
- Lamp
- Zone 1 Lamp
- Zone 2 Lamp
- Zone 3 Lamp
- Zone 4

## **DALI Address Settings**

Scene mode Z is for scene setting, corresponding keys on the panel are A, B, C and D.

- Z: scene setting (16 scenes, values from 0 to F)
- X: points to 0-6
- Y: points to 0-9
- 64 unicast addresses (0-63)
- X points to 7
- Y: address setting (16 group addresses, values from 0 to 15)

## **FAQ**

**Q: What is the power supply for the DALI touch panel?**

A: The DALI touch panel is powered by the DALI bus.

**Q: How do I adjust the brightness?**

A: To adjust the brightness, click on the brightness adjustment key and then slide the color circle after the key light is on.

**Q: How do I save a scene?**

A: To save a scene, long press the scene key until the indicator light flashes.

**Q: How do I set the DALI addresses?**

A: The DALI addresses can be set using the corresponding keys on the panel. Please refer to the DALI Address Settings section for more details.

**Models**



**Product Features**

- Adopt DALI standard protocol IEC62386-102,207,209.
- Support switch, dimming and color adjustment function; zone control is available.
- DALI bus supply power.
- Easy to set addresses.
- Support scene, group, unicast and broadcast mode.
- Touch vibration.

**Technical Specs**

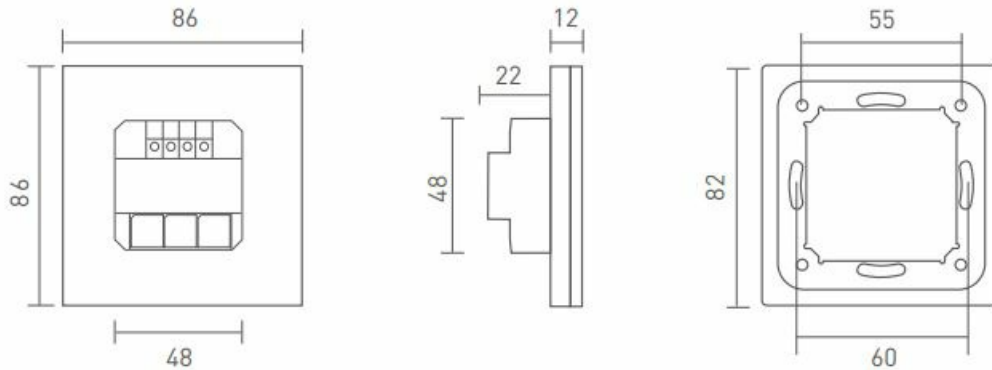
DALI touch panel

- Power supply: DALI power
- Control mode: EDT1 DIM
  - EDT2 CT
  - EDT3 RGB
  - EDT4 RGBW
- Signal: DALI

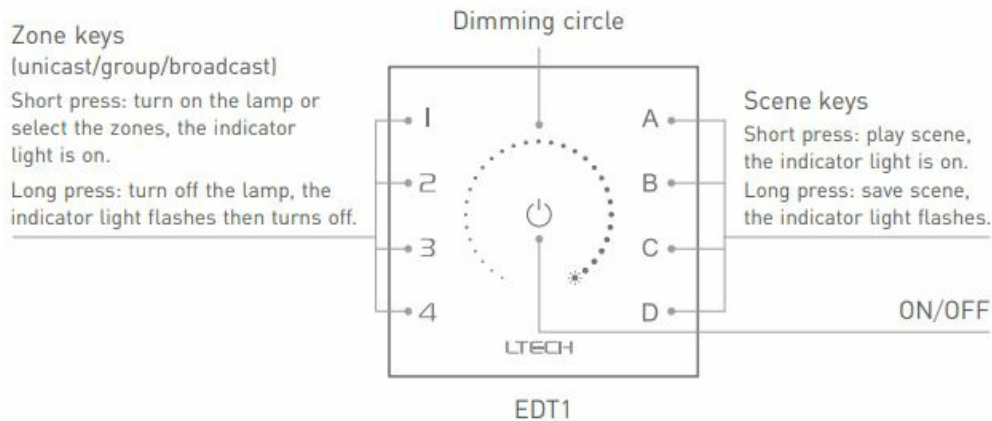
- Working temp.: -30°C~55°C
- Dimensions(LxWxH): 86×86×37mm
- Package size(LxWxH): 113×112×50mm
- Weight(G.W.): 240g



## Dimensions

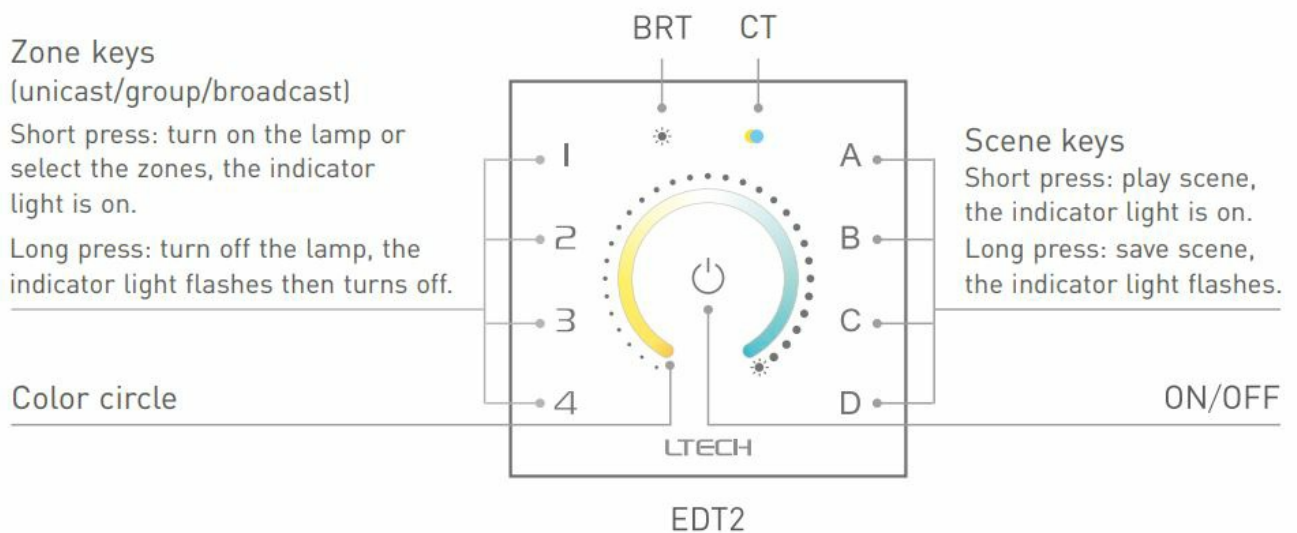
Unit: mm



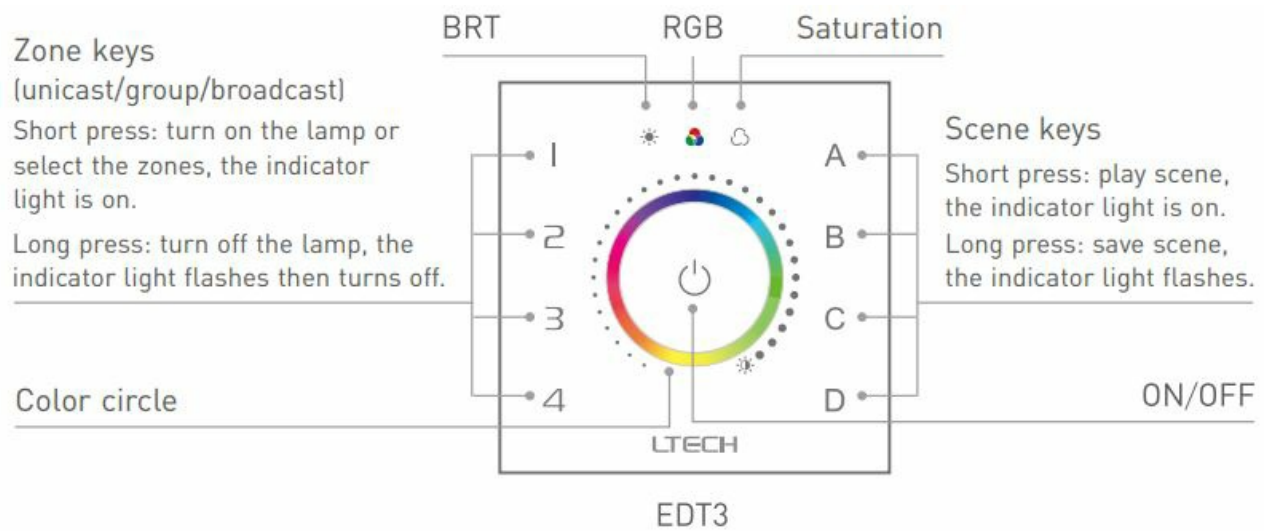
## Panel Key Description



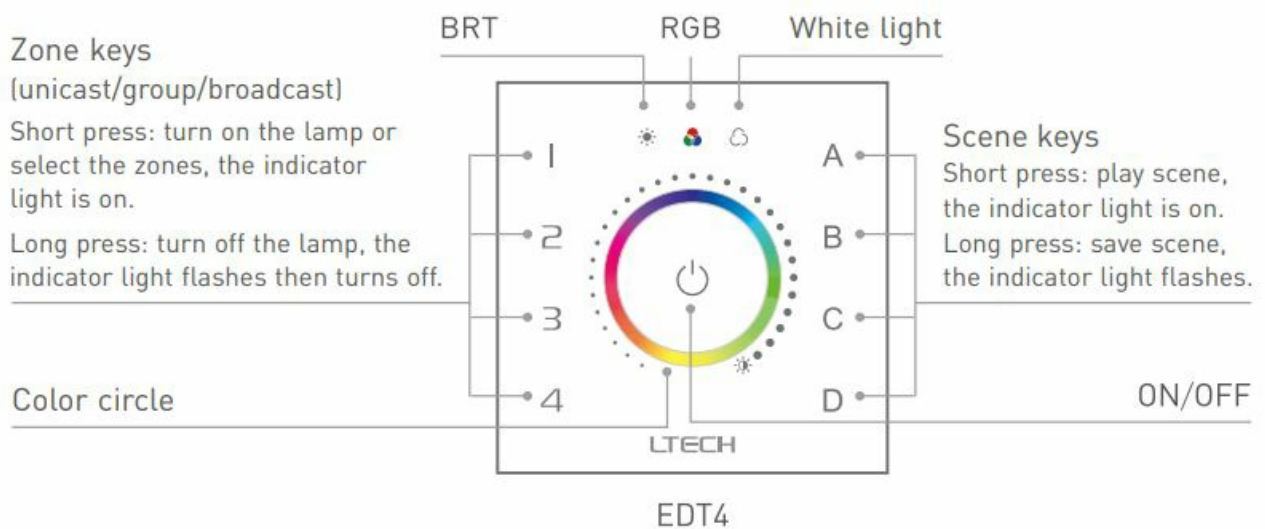
- Brightness adjustment: click  , then slide the colour circle after the key light is on.
- CT adjustment: click  , then slide the color circle after the key light is on



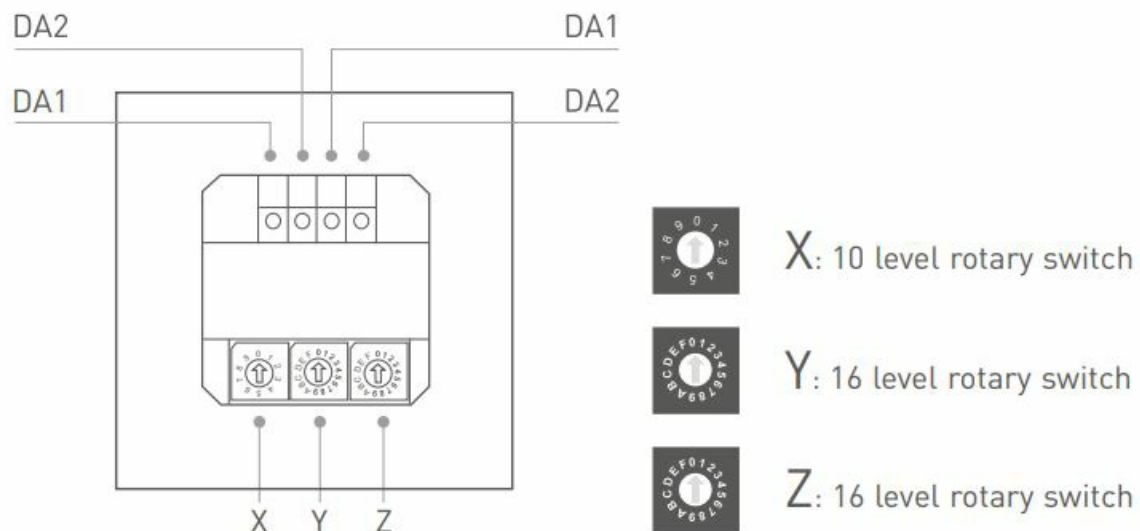
- Brightness adjustment: click ☀️, then slide the color circle after the key light is on.
- RGB adjustment: click 🌈, then slide the color circle after the key light is on.
- Saturation adjustment: click ☁️, then slide the color circle after the key light is on.



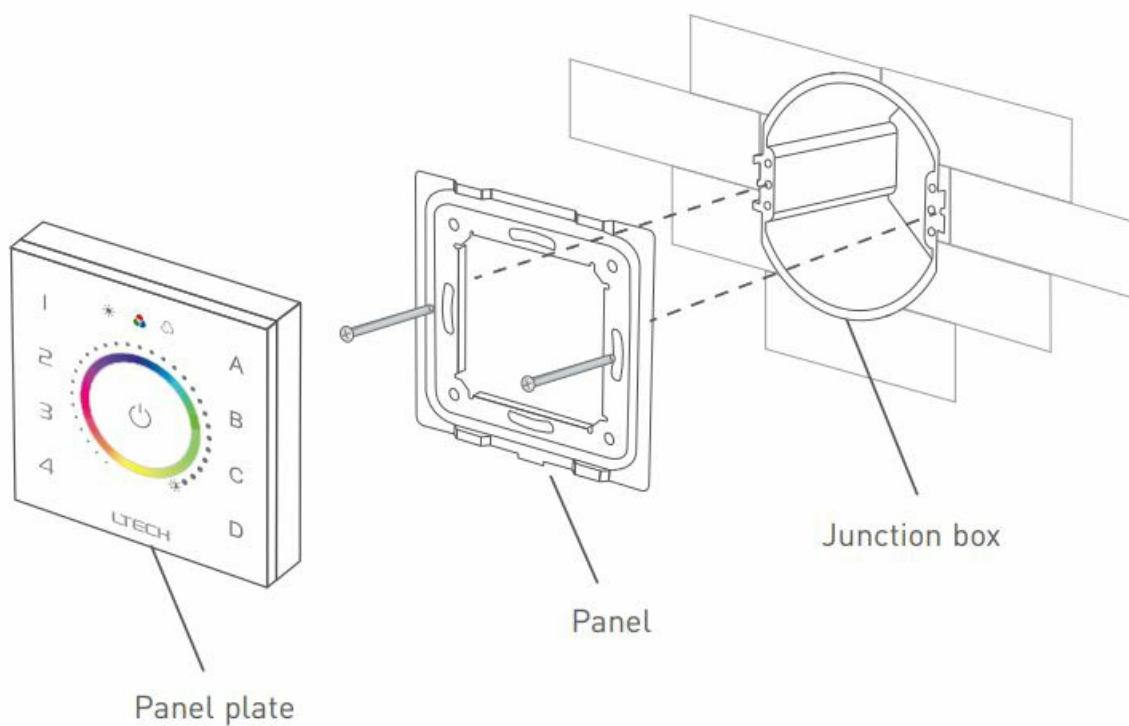
- Brightness adjustment: click ☀️, then slide the color circle after the key light is on.
- RGB adjustment: click 🌈, then slide the colour circle after the key light is on.
- White light adjustment: click ☁️, then slide the colour circle after the key light is on.



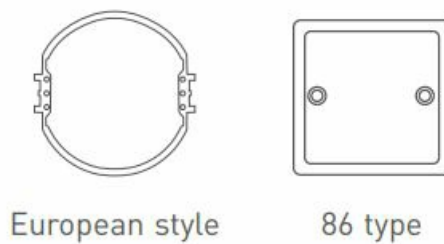
## Terminals

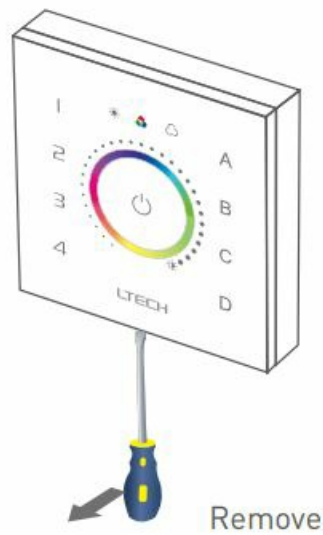


## Installation Instructions



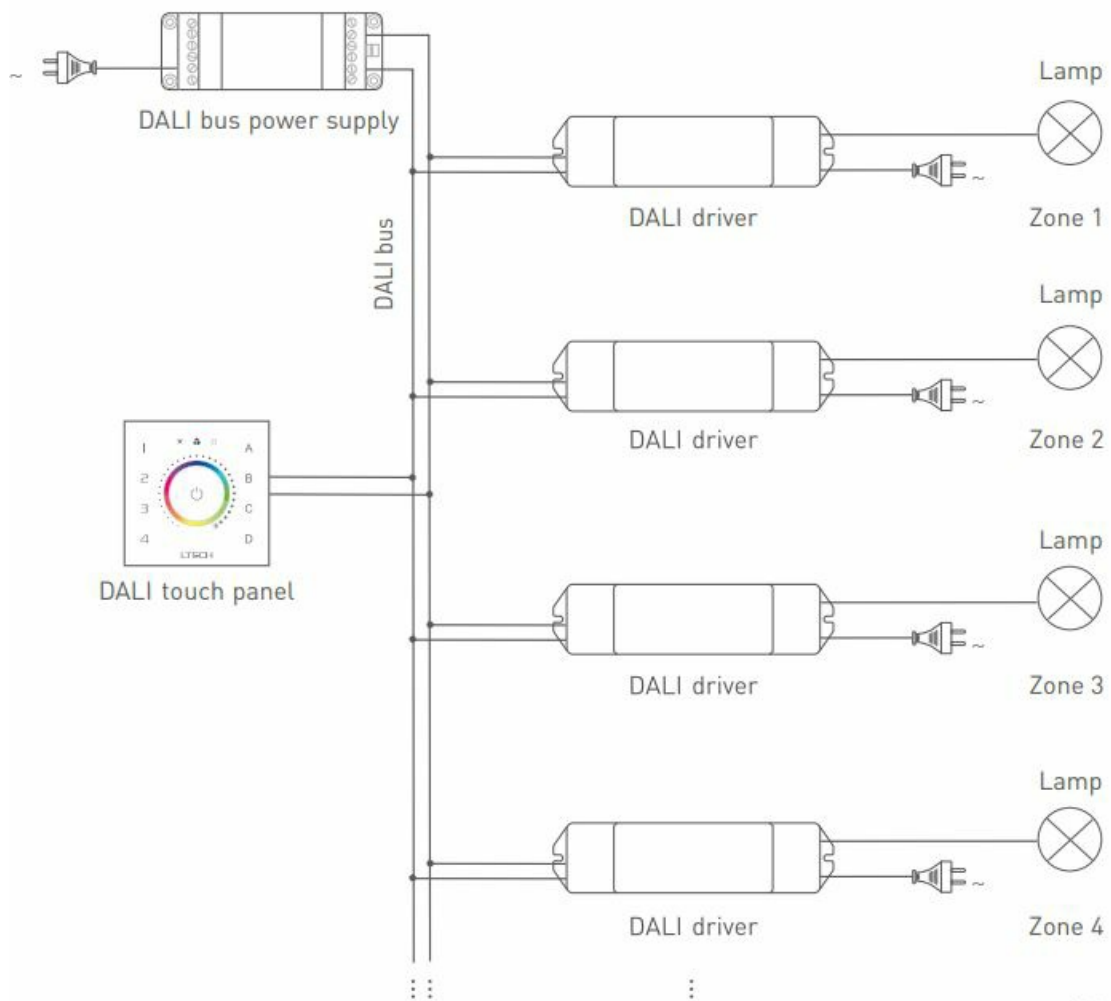
Junction boxes are as follow:





Remove

## Wiring Diagram



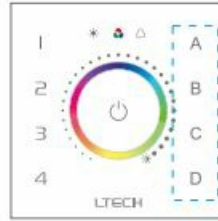
## DALI Address Settings

### Scene mode

Z is for scene setting, corresponding keys on the panel are A, B, C and D.

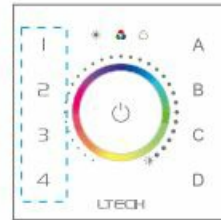
- E.g. Z points to 2, the first scene value is 2. The scene value of A, B, C, D is 2, 3, 4, 5.
- E.g. Z points to E, the first scene value is 14. the scene values of A, B, C, D is 14, 15, 0, 1.





Z: scene setting  
16 scenes (0-F)

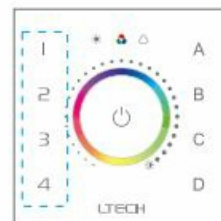
## Unicast mode



X points to 0-6    Y points to 0-9  
64 unicast addresses (0-63)

- For unicast mode, please point X to 0-6. 1, 2, 3, 4 of the panel are unicast keys, 1 address value =  $X \times 10 + Y$ , 2,3,4 address value are incremented by 1 in order.
- E.g. how to set 1 address value = 40?
  - 1 address value =  $X \times 10 + Y = 4 \times 10 + 0 = 40$  that X points to 4, Y points to 0, now 1,2,3,4 unicast value are 40, 41, 42, 43.

## Group mode



X points to 7    Y: address setting  
16 group addresses (0-15)

- For group mode, please point X to 7. 1, 2, 3, 4 of the panel are group keys.
- E.g. Y points to 5, then the first group value is 5, 1,2,3,4 group address value are 5, 6, 7, 8.
- E.g. Y points to E, then the first group value is 14, 1,2,3,4 group address value are 14,15, 0, 1.

## Broadcast mode



For broadcast mode, please point X to 8 or 9. 1, 2, 3, 4 of the panel are broadcast keys, touch any one of them is workable.

## Attentions

- This product must be installed and adjusted by a qualified professional.
- This product is non-waterproof (special models excepted). Please avoid the sun and rain.
- When installed outdoors, please ensure it is mounted in a waterproof enclosure.
- Good heat dissipation will extend the life the product. Please install the product in an environ-ment with good ventilation.
- When you install this product, please avoid being near a large area of metal objects or stacking them to prevent signal interference.
- Please keep the product away from a intense magnetic field, a high pressure area or a place where lightning is easy to occur.
- Please check whether the working voltage used complies with the parameter requirements of the product.
- Before you power on the product, please make sure all the wiring is correct in case of incorrect connection that may cause a short circuit and damage the components, or trigger a accident. If a fault occurs, please do not attempt to fix the product by yourself. If you have any question, please contact the supplier.
- This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.


## Warranty Agreement

Warranty periods from the date of delivery: 5 years. Free repair or replacement services for quality problems are provided within warranty periods. Warranty exclusions below:

- Beyond warranty periods.
  - Any artificial damage caused by high voltage, overload, or improper operations. Products with severe physical damage.
  - Damage caused by natural disasters and force majeure.
  - Warranty labels and barcodes have been damaged.
  - No any contract was signed by LTECH.
1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
  2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

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## Documents / Resources

 The image shows a small, square, white touch panel with a circular display area. Above it, the text 'LTECH' is in red and 'DALI touch panel' is in blue. Below the panel, there are four small circular icons labeled EDT1, EDT2, EDT3, and EDT4. At the bottom, it says 'Manual' and 'www.ltech.com'.	<p><a href="#">LTECH EDT1 LED Touch Controller</a> [pdf] User Manual</p> <p>EDT1 LED Touch Controller, EDT1, LED Touch Controller, Touch Controller, Controller</p>
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## References

- [🌐 LED Controller | LED Dimmable Driver | LED Intelligent Lighting | Intelligent Home -LTECH](#)
- [User Manual](#)

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