



# LTECH E Series Touch Panel User Manual

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# LTECH

## LTECH E Series Touch Panel User

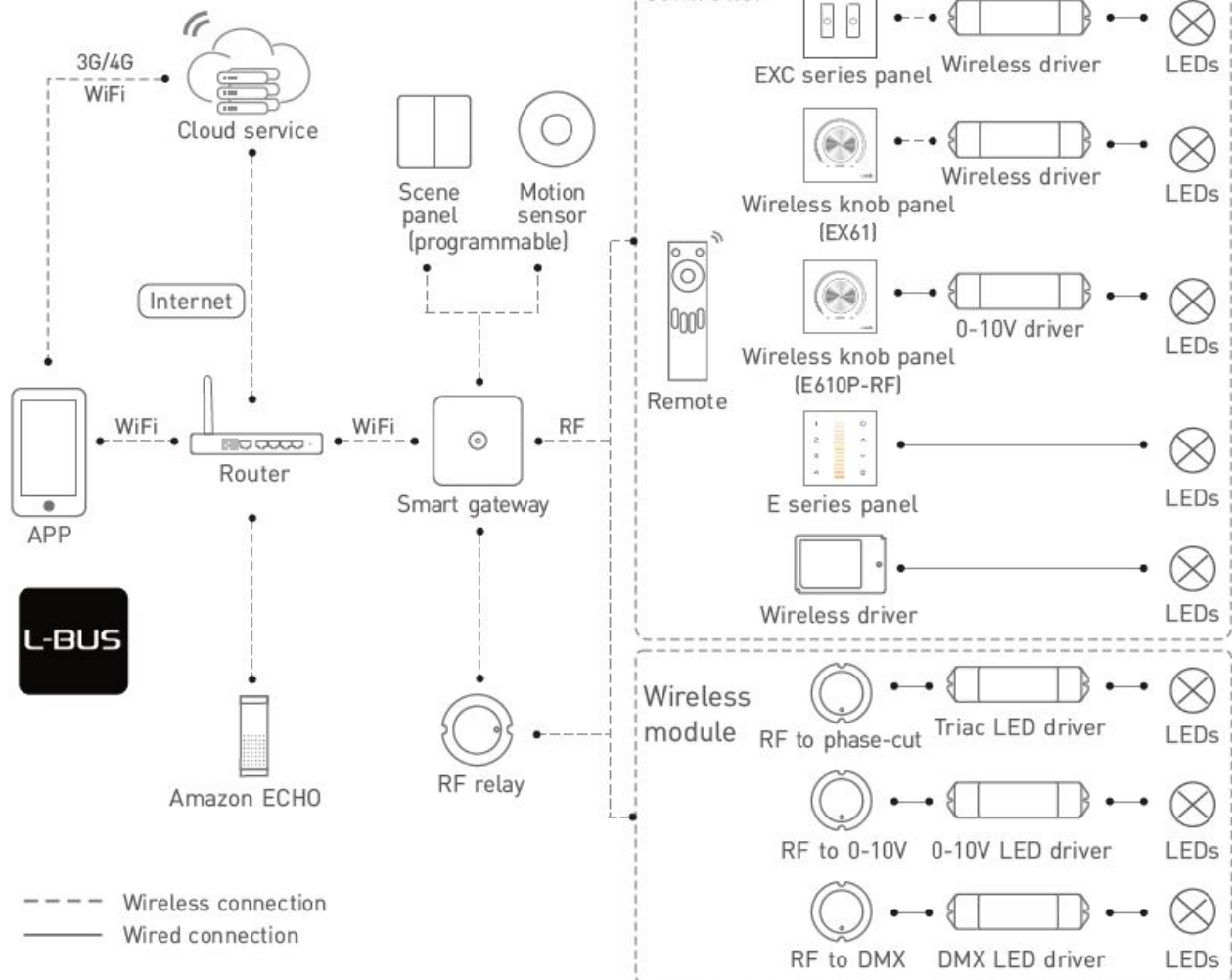


## OVERVIEW



## System Diagram

# L-BUS



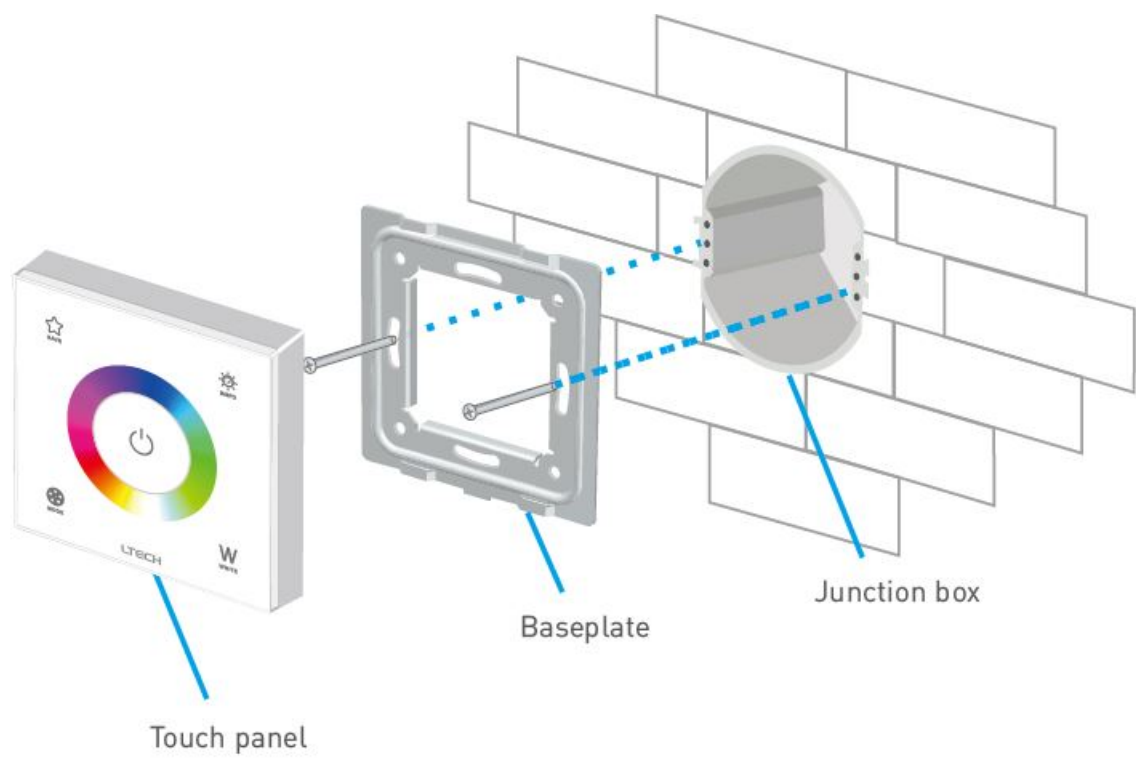
## Product Features

- 2 in 1 function: RF wireless control and PWM power output.
- Power output, lamps can be connected directly, easy and convenient.
- Touch keys with chord and LED indicator.
- Adopt capacitive touch control technology on the full color circle that makes LED dimming selection more user-friendly.
- Touch panel can be controlled by remote directly or smart phone if adding a gateway.

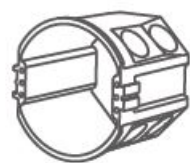
## Technical Specs

Model	E1	E2	E4 E4S	E5S
Control Type	Dimming	CT	RGBW	RGBWY
Input Voltage	12-24Vdc			
Wireless Frequency	RF 2.4GHz			
Current Load	4A×2CH Max. 8A	Max. 4A	3A×4CH Max. 12A	3A×5CH Max. 15A
Output Power	(0~48W ...96W)× 2CH  Max. 192 W	0~ 48  ... 96 W	(0~36W...72W)×4CH  Max. 288W	(0~36W...72W)×5CH  Max. 360W
Protection	Short circuit/Over current protection, auto recovery. Reverse connection protection.		Reverse connection protection.	Reverse connection protection.
Working Temp.	-20°C~55°C			
Dimensions	L86×W86×H36(mm)			
Package Size	L113×W112×H50(mm)			
Weight (G.W.)	235g	231g	221g	221g

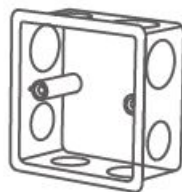
## Installation Instructions



Typical junction boxes are as follows:



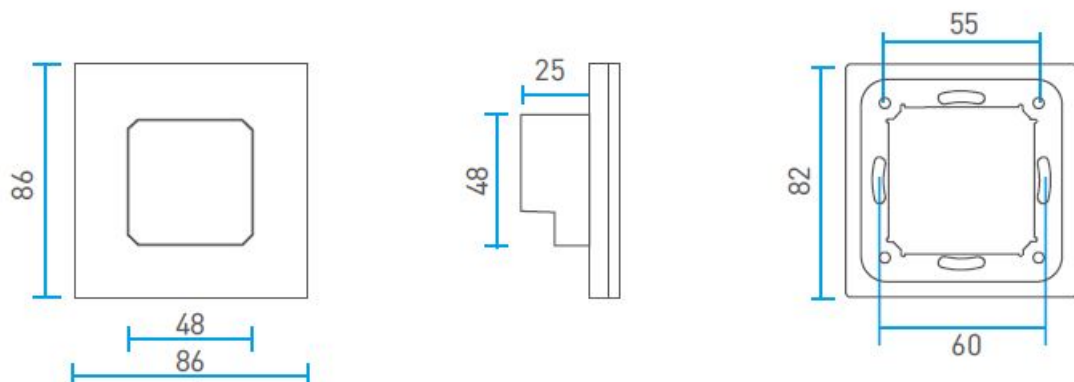
European style

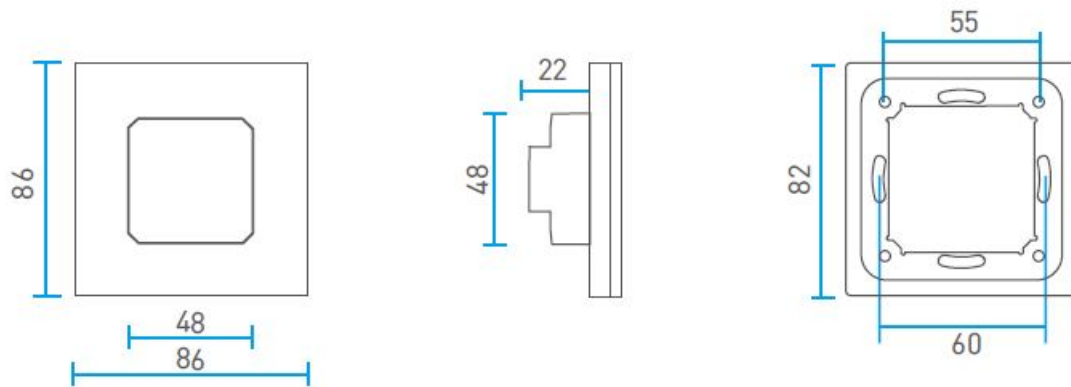


86 type



## Product Size

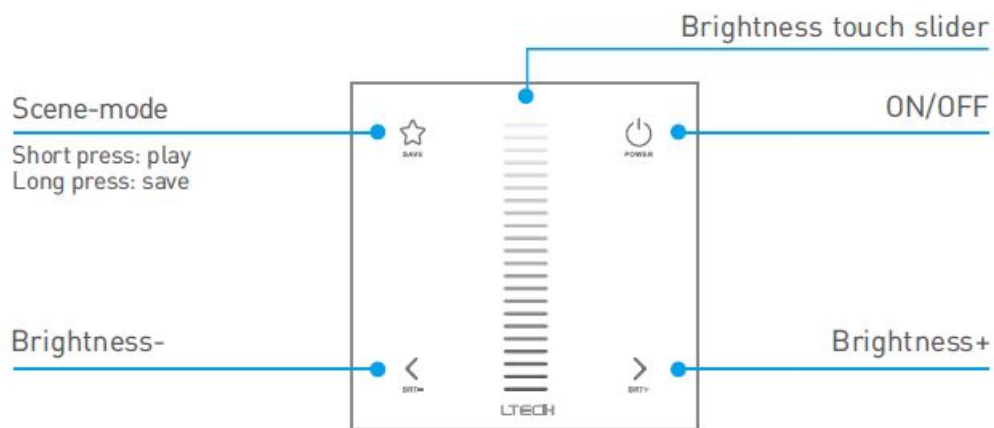




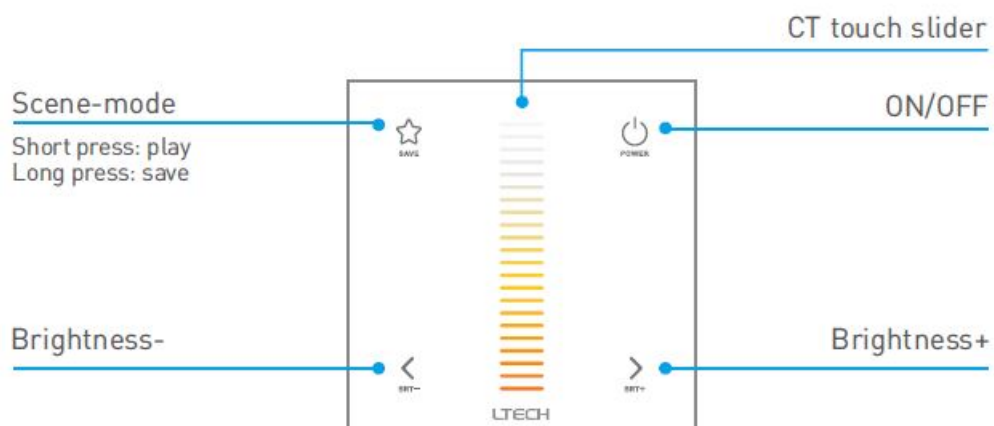
## Key Functions

When blue indicator light of the key is on, long press to turn on/off the buzzer. When the white indicator light of key is on, long press to match the code. E series touch panel's scene-mode keys are corresponding with WiFi gateway APP's scene-mode, the scenes of panel can be changed by APP or panel.

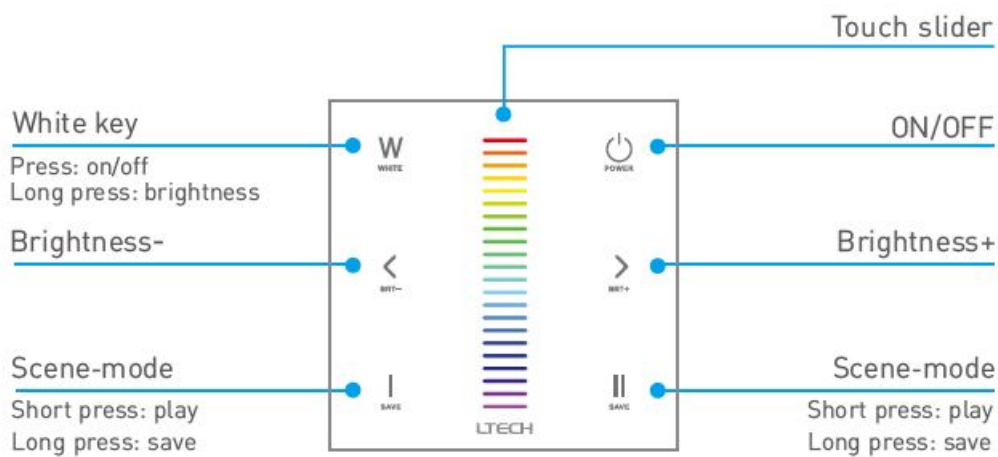
### E1



### E2



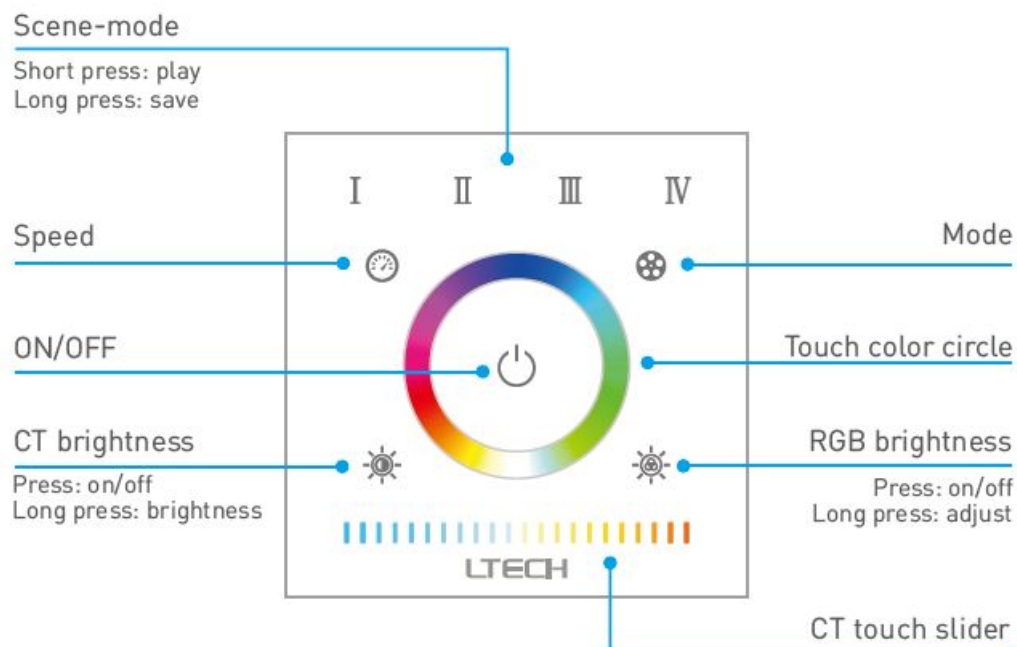
### E4



## E4S



## E5S

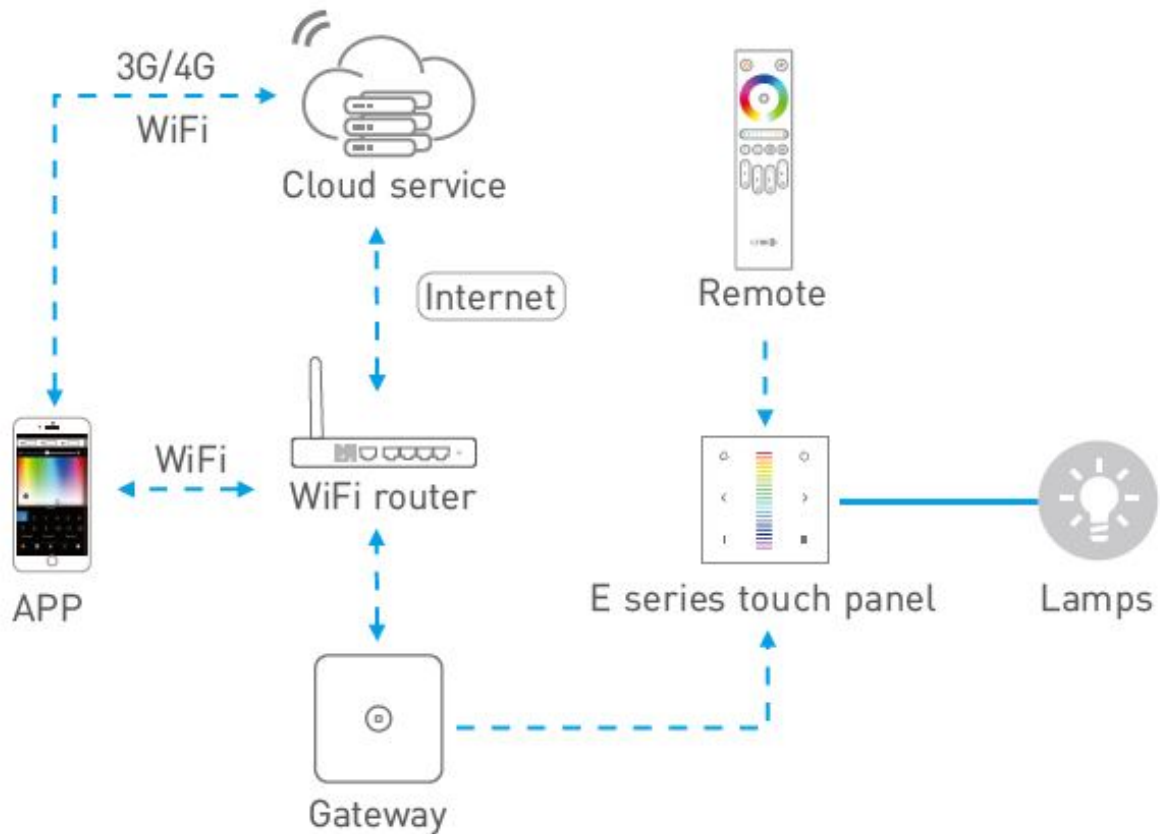


## Mode













- Red green jumping
- Green blue jumping
- Red blue jumping
- RGB jumping

- 7 color jumping
- Red green gradient
- Green blue gradient
- Red blue gradient
- RGB gradient
- 7 color gradient
- 

## System Diagram



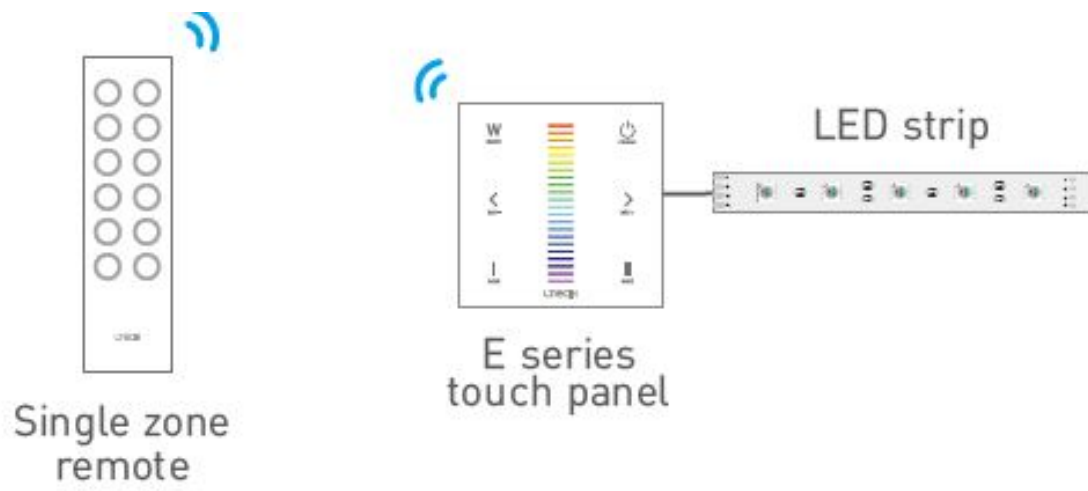
## Applications

1.  +   
E series touch panel      Lamps
2.  +  +   
E series touch panel      Remote      Lamps
3.  +  +   
E series touch panel      WiFi master controller      Lamps
4.  +  +  +   
E series touch panel      WiFi master controller      Remote      Lamps

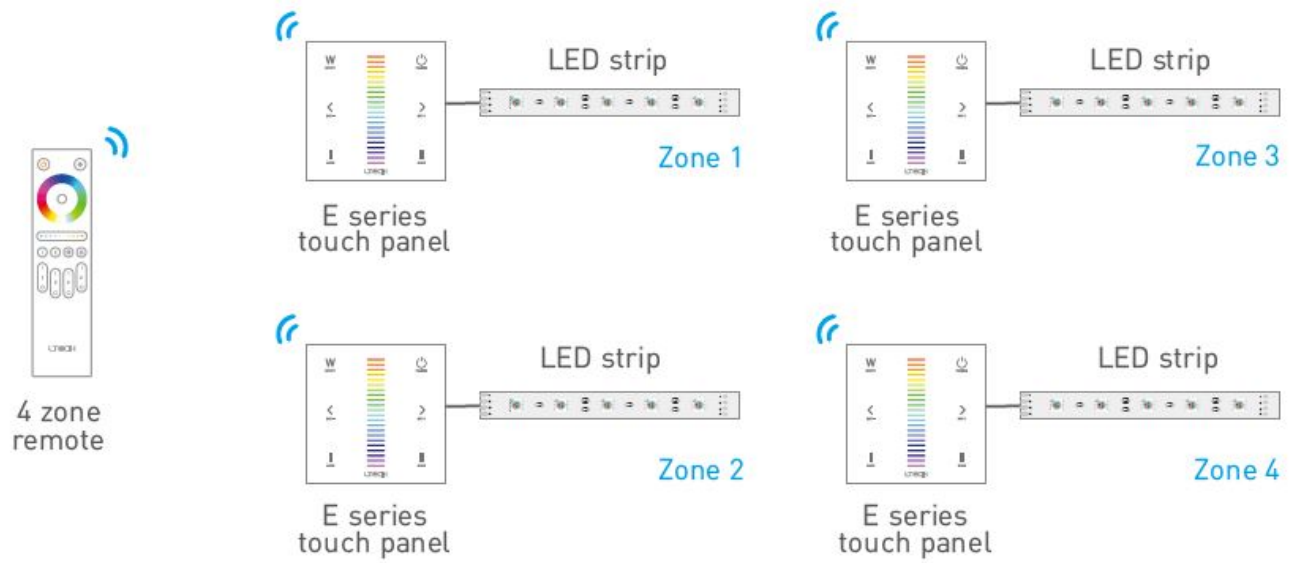
## RF Wireless Wiring

### Single Zone Control





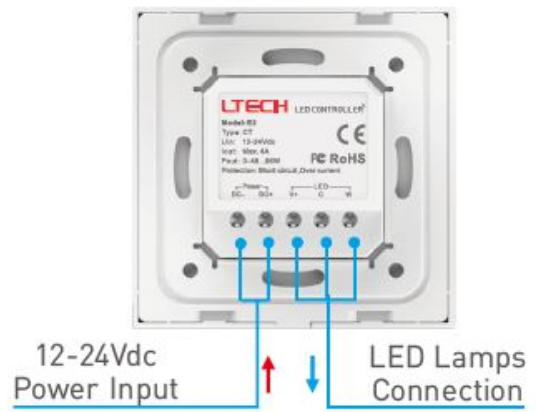
## Multiple Zone Control



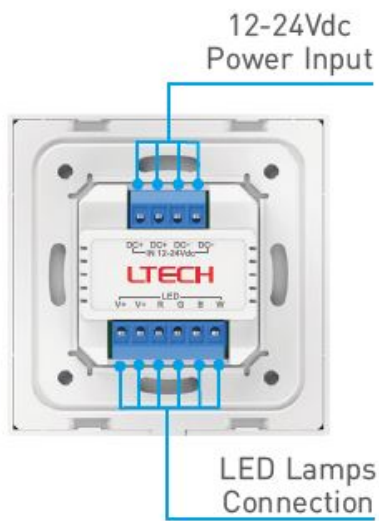
## Terminals



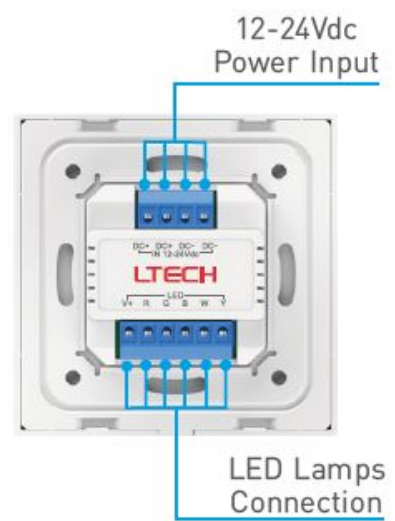
E1



E2



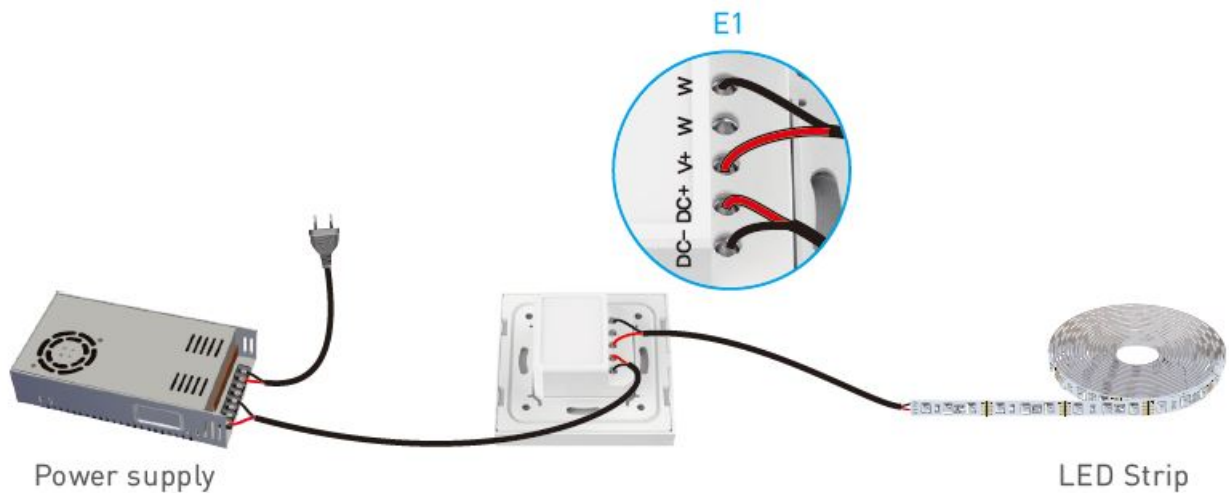
E4/E4S



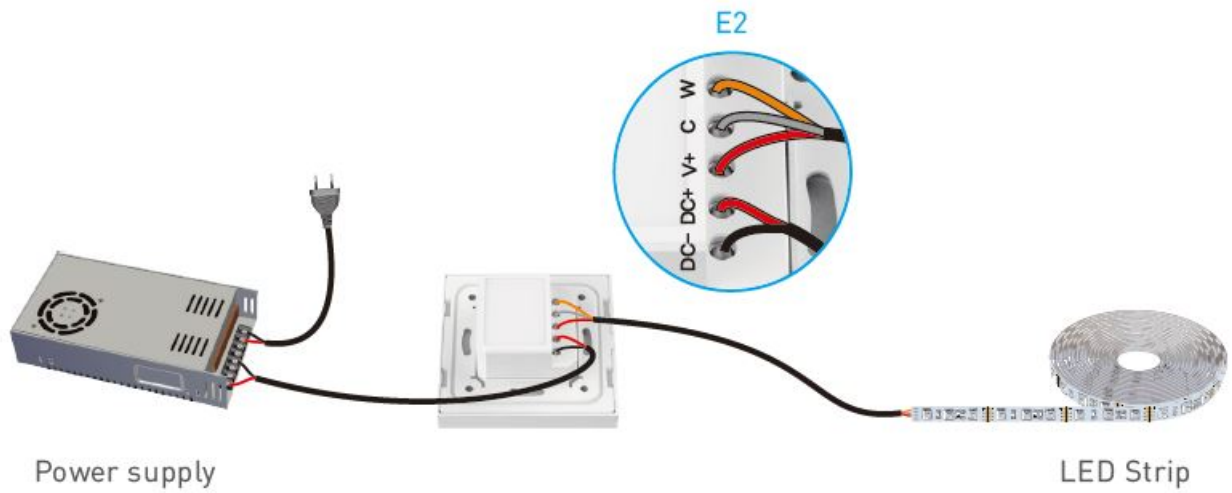
E5S

## Wiring Diagram

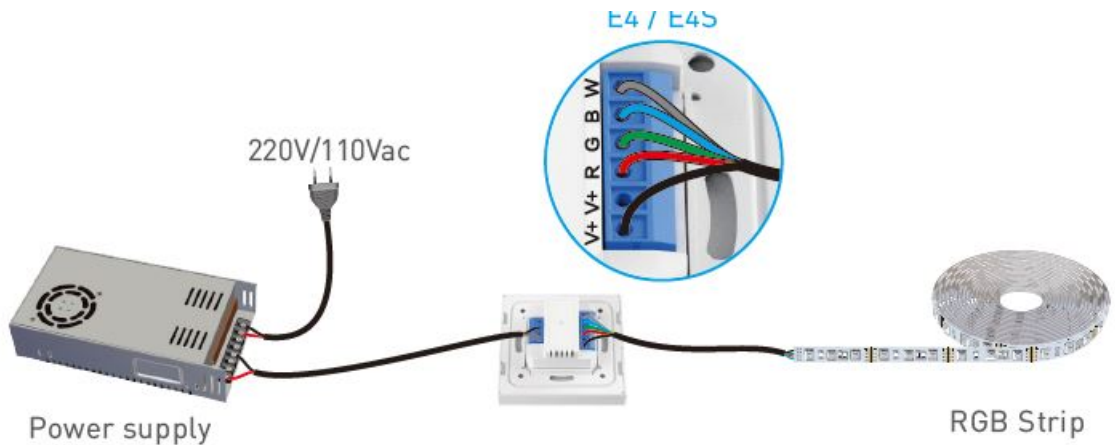
1. E1: Connect with 12V strip. Max 48W/CH Connect with 24V strip. Max 96W/CH



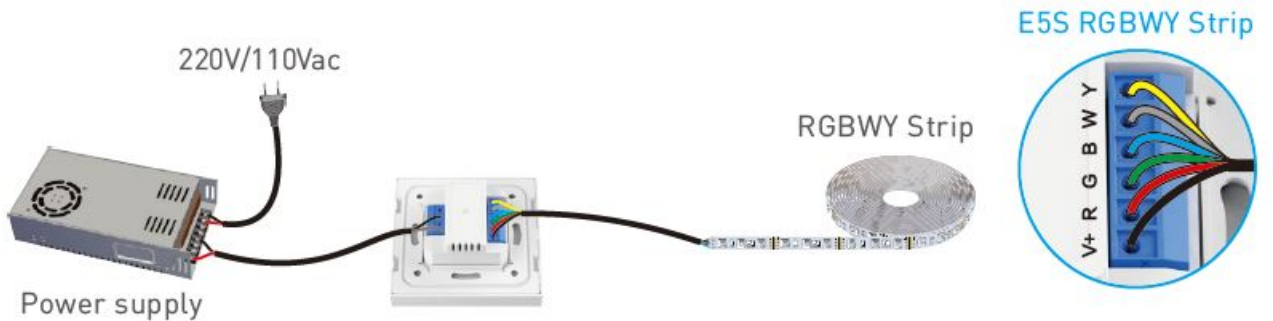
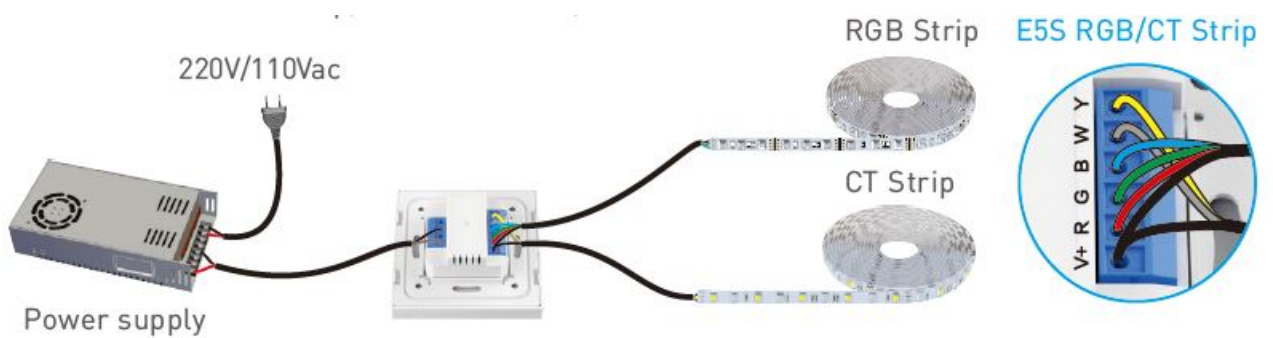
2. E2: Connect with 12V strip. Max 48W for two routes. Connect with 24V strip. Max 96W for two routes.



3. E4/E4S: Connect with 12V strip. Max 36W/CH Connect with 24V strip. Max 72W/CH



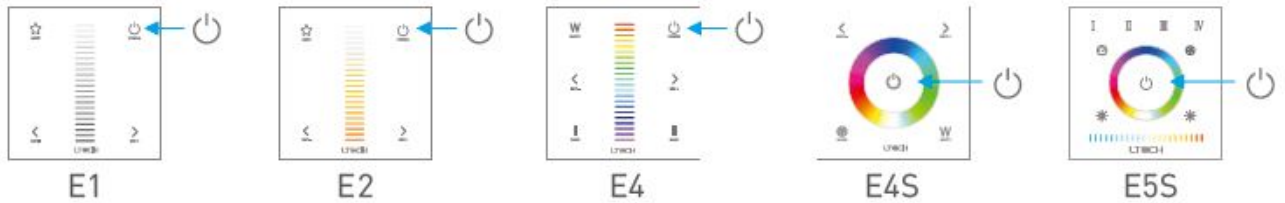
4. E5S: Connect with 12V strip, RGB Max. 108W, CT Max. 36W Connect with 24V strip, RGB Max. 216W, CT Max. 72W



### Match Code between Touch Panel & Remote

1. Long press on touch panel until indicator lights flash.

1. Long press  on touch panel until indicator lights flash.



2. Match code with F series remote: Single zone remote: long press ON/OFF key on remote, the indicator light stops flashing, match code successfully

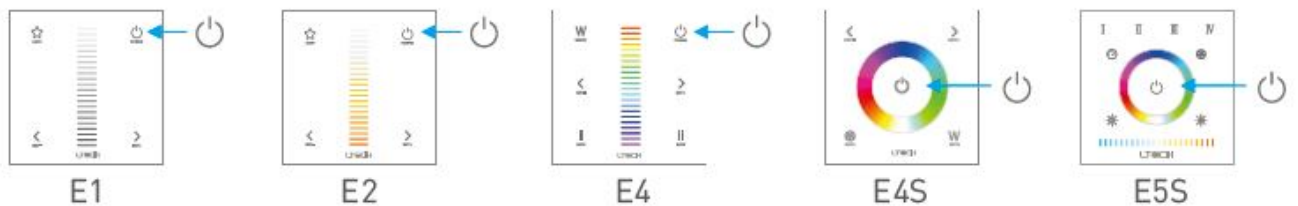


3. . E1 touch panel match with F1/F5 remote, E2 match with F2/F6, E4/E4S match with F4/F8. Match code with Q series remote: long press the matching zone's “ON” key on remote, the indicator lights of touch panel stop flicking, match successfully. E5S touch panel match with Q5 remote.



## Match Code between Touch Panel & Gateway

1. Long press on touch panel until indicator lights flash.

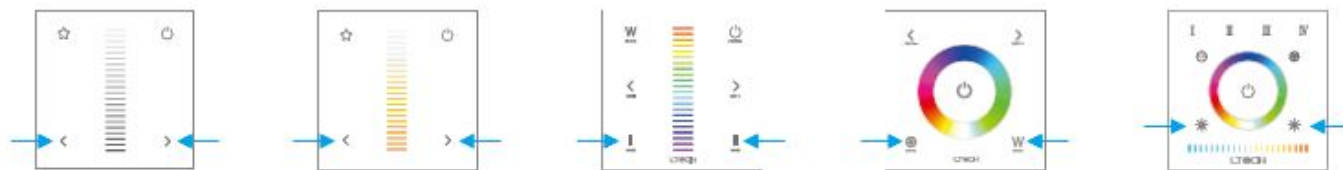


2. Turn on APP, enter “zone set” interface, click the right top “MATCH” key, then operate the following prompts.



## Clear Code

Please match/clear code when panel indicator light of On/Off is white Press the bottom two keys on touch panel simultaneously for 6 seconds, the indicator light flashes several times, clear code successfully.  
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.
- 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 signed by LTECH.
- 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.
- LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

## Sales & Technical Support:

Bright Green Connect Limited Unit 3, Oyster Park Byfleet Surrey KT14 7AX +44 (0) 1932 497992

[contact@brightgreenconnect.com](mailto:contact@brightgreenconnect.com) [brightgreenconnect.com](http://brightgreenconnect.com)

## Documents / Resources

	<p><a href="#">LTECH E Series Touch Panel</a> [pdf] User Manual E Series, Touch Panel, E Series Touch Panel, FB-E4H-301-A0, E1, E2, E4, E4S, E5S, Q Series, F Series</p>
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## References

- [LED drivers and lighting control with expert support](#)
- [LED Controller | LED Dimmable Driver | LED Intelligent Lighting | Intelligent Home -LTECH](#)