

LTECH

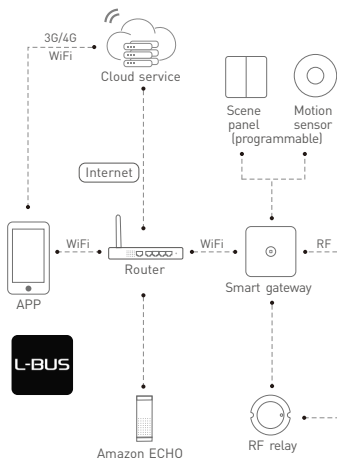
E Series Touch Panel



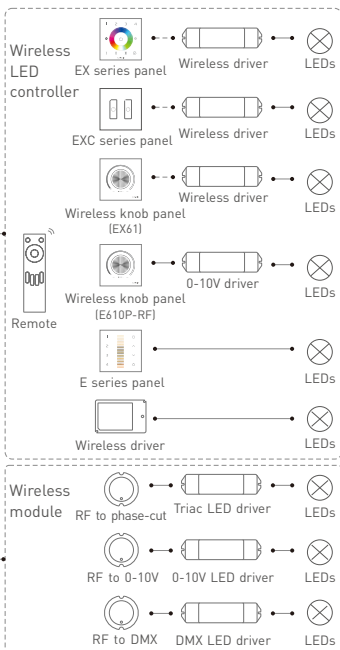
Manual

www.ltech-led.com

L-BUS



--- Wireless connection
— Wired connection



Product Features

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- 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

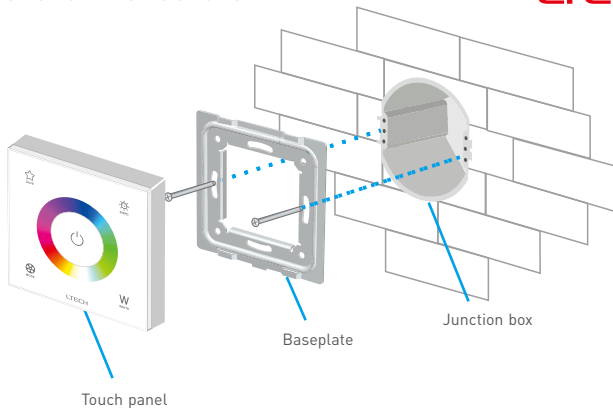
Model	E1	E2	E4 / E4S	E5S
Control Type	Dimming	CT	RGBW	RGBWY
Input Voltage	12-24Vdc			
Wireless Frequency	RF 2.4GHz			
Current Load	4A×2CH Max. 8A	Max. 4A	3A×4CH Max. 12A	3A×5CH Max. 15A
Output Power	(0~48W...96W)×2CH Max. 192W	0~48...96W	(0~36W...72W)×4CH Max. 288W	(0~36W...72W)×5CH Max. 360W
Protection	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

* Product with **L-BUS** logo, supports the function of WIFI-108 advanced mode.
Advance Mode

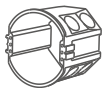
**RoHS**

Installation Instructions

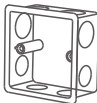
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Typical junction boxes are as follows:



European style



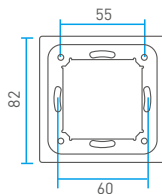
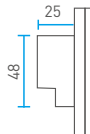
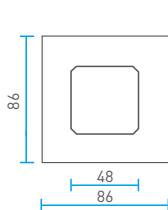
86 type



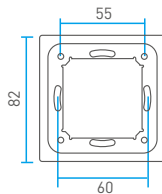
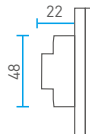
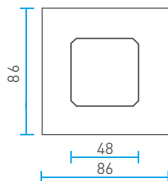
Product Size

LTECH

Unit: mm



E1 / E2



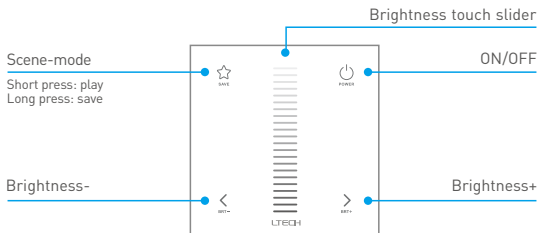
E4 / E4S / E5S

Key Functions

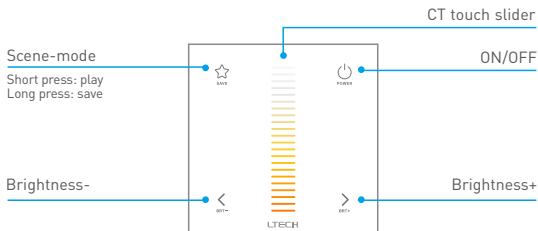
When blue indicator light of  key is on, long press  to turn on/off buzzer.

When white indicator light of  key is on, long press  to match code.

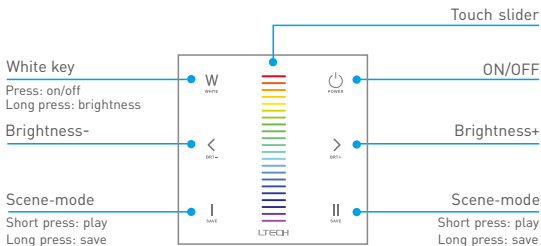
E series touch panel's scene-mode keys are corresponding with WiFi gateway APP's scene-mode, the scenes of panel can be changed by APP or panel.



E1



E2



E4



E4S

E4S Mode

- Static red
- Static green
- Static blue
- Static yellow
- Static purple
- Static cyan
- Static white
- RGB jumping
- 7 color jumping
- RGB gradient
- 7 color gradient
- Static black
- Close RGB only

Scene-mode

Short press: play

Long press: save

Speed

ON/OFF

CT brightness

Press: on/off

Long press: brightness

Mode

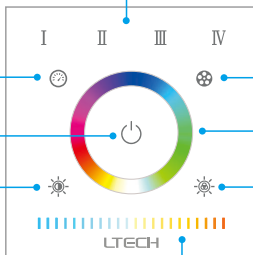
Touch color circle

RGB brightness

Press: on/off

Long press: adjust

CT touch slider



E5S

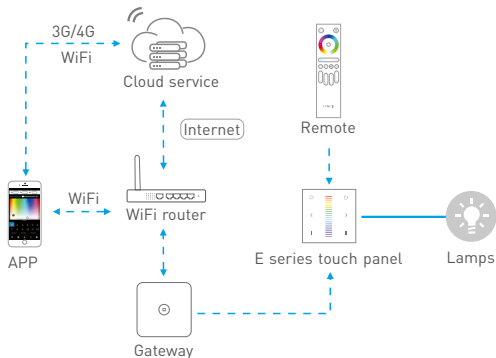
Mode

- 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

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PS: No WiFi router is needed when gateway work with phones directly.



Applications

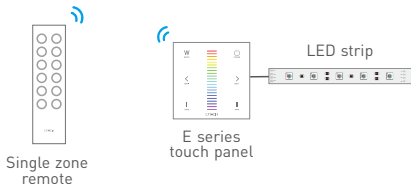
1.  + 
E series touch panel Lamps

2.  +  + 
E series touch panel Remote Lamps

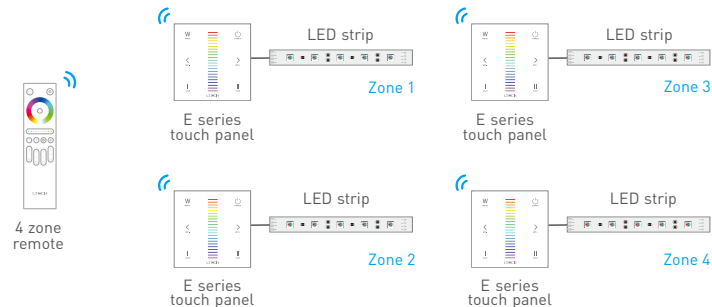
3.  +  + 
E series touch panel WiFi master controller Lamps

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

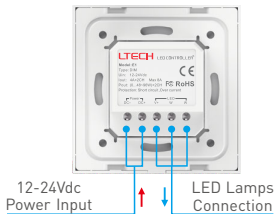
Single Zone Control



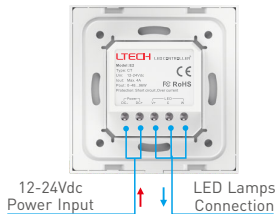
Multiple Zone Control



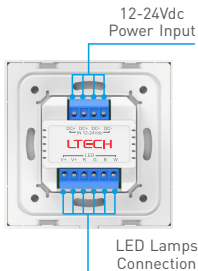
* Touch panels can be sync controlled by multi remotes, please refer to the manual of remote's usage.



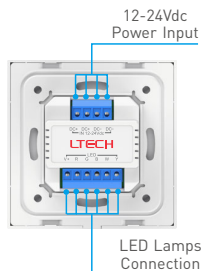
E1



E2



E4/E4S



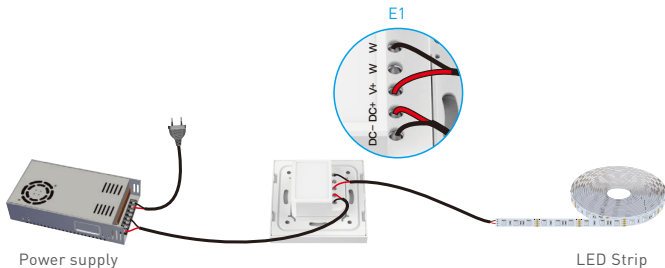
E5S

Wiring Diagram

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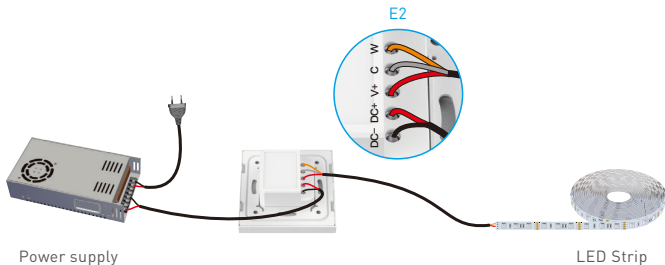
E1: Connect with 12V strip. Max 48W/CH

Connect with 24V strip. Max 96W/CH

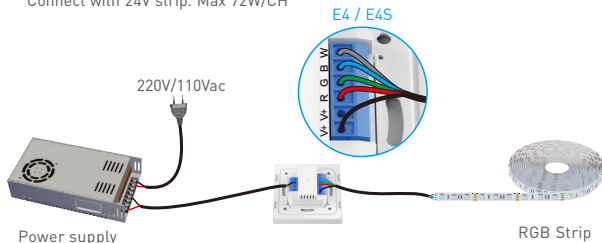


E2: Connect with 12V strip. Max 48W for two routes.

Connect with 24V strip. Max 96W for two routes.

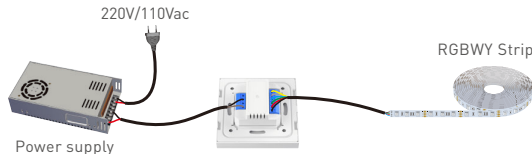
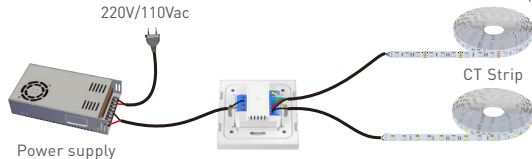


E4/E4S: Connect with 12V strip. Max 36W/CH
Connect with 24V strip. Max 72W/CH



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

RGB Strip E5S RGB/CT Strip



Match Code between Touch Panel & Remote

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Please match/clear code when panel indicator light of On/Off is white.

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



E1



E2



E4



E4S



E5S

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.

Multi-zone remote: long press the matching zone's ON & OFF keys simultaneously, the indicator light stops flashing, match code successfully.



F1
(Dim)



F2
(CT)



F3
(RGB)



F4
(RGBW)



F5
(Dim)



F6
(CT)



F7
(RGB)



F8
(RGBW)

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.



Q1



Q2



Q4



Q5

E5S touch panel match with Q5 remote.

Match Code between Touch Panel & Gateway

LTECH

Please match/clear code when panel indicator light of On/Off is white.

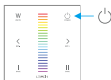
1. Long press  on touch panel until indicator lights flash.



E1



E2



E4



E4S



E5S

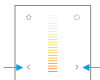
2. Turn on APP, enter “zone set” interface, click the right top “MATCH” key, then operate the following prompts.



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 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 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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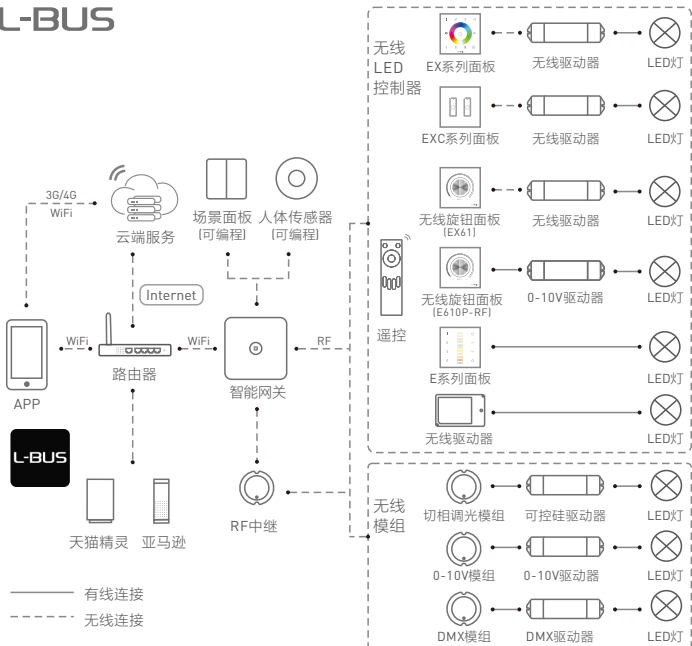
E 系列触摸面板



使用说明书

www.ltech.cn

L-BUS



- RF无线控制与PWM功率驱动二合一功能；
- 功率输出，可直接接灯具使用，简单快捷；
- 触摸按键带和弦音和LED夜光指示灯；
- 面板采用电容式全彩触控方式，LED色彩选择更人性化；
- 面板可用遥控控制，配网关可手机控制。

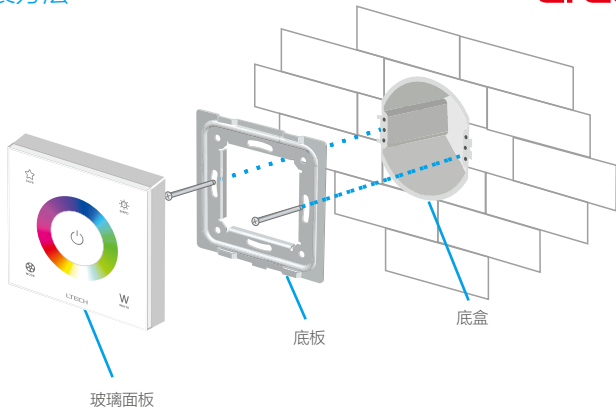
技术参数

型号	E1	E2	E4 / E4S	E5S
控制类型	调光	色温	RGBW	RGBWY
电压输入	12-24Vdc			
无线频率	RF 2.4GHz			
负载电流	4A×2CH Max. 8A	Max. 4A	3A×4CH Max. 12A	3A×5CH Max. 15A
负载功率	[0~48W...96W]×2CH Max. 192W	0~48...96W	[0~36W...72W]×4CH Max. 288W	[0~36W...72W]×5CH Max. 360W
保护	短路/过流保护, 可自动恢复; 防反接保护		防反接保护	防反接保护
工作温度	-20℃~55℃			
产品尺寸	L86×W86×H36(mm)			
包装尺寸	L113×W112×H50(mm)			
重量(毛重)	235g	231g	221g	221g

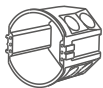
* 产品实物上带有 **L-BUS** Advance Mode 标志的产品，支持WIFI-108高级模式功能。

拆装方法

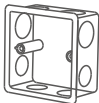
LTECH



适用底盒如下：



欧式



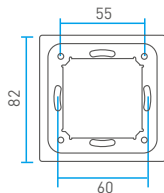
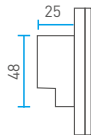
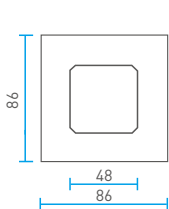
86盒



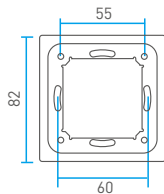
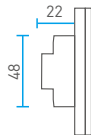
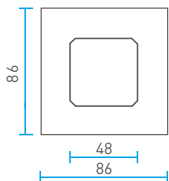
产品尺寸

LTECH

单位: mm



E1 / E2



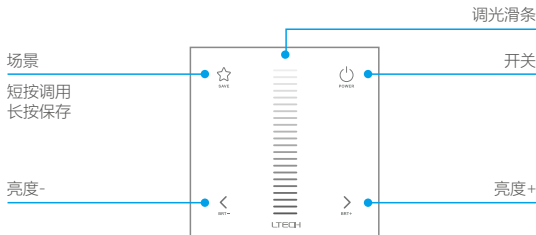
E4 / E4S / E5S

面板按键说明

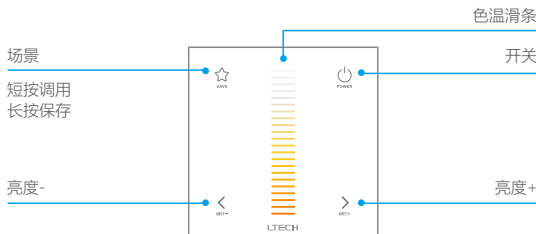
LTECH

开关指示灯蓝色时，长按  键可开关按键声音；开关指示灯白色时，长按  键进行配对。

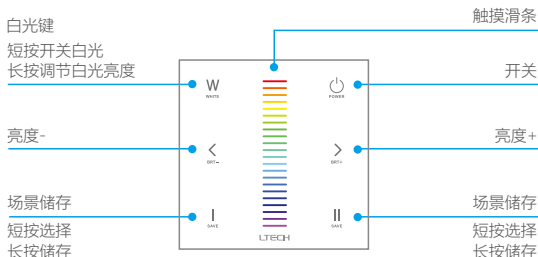
E系列触摸面板的场景键对应于WiFi网关APP的场景，手机或面板的任何一方修改，均会改变面板场景。



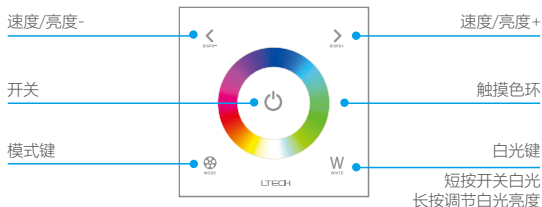
E1



E2



E4



E4S

E4S变化模式

- 静态红色
- 静态绿色
- 静态蓝色
- 静态黄色
- 静态紫色
- 静态青色
- 静态白色
- 三色跳变
- 七彩跳变
- 三色渐变
- 七彩渐变
- 静态黑色
- 只关闭RGB

场景键

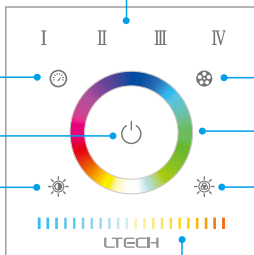
短按调出
长按储存

速度

开关

色温亮度

短按开关
长按调光



模式

触摸色环

RGB亮度

短按开关
长按调节

色温滑条

E5S

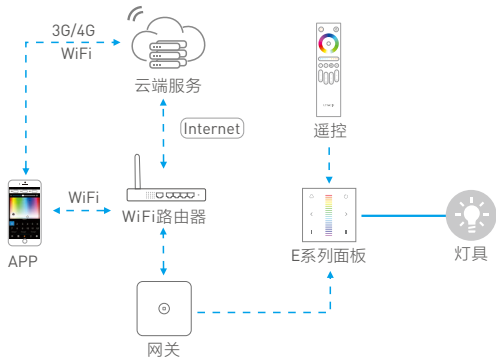
变化模式

- 红绿跳变
- 绿蓝跳变
- 红蓝跳变
- 三色跳变
- 七彩跳变
- 红绿渐变
- 绿蓝渐变
- 红蓝渐变
- 三色渐变
- 七彩渐变

应用示意图

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网关与手机直连工作时无需WiFi路由器。



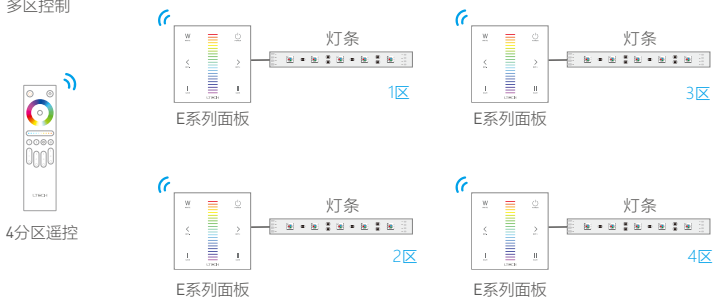
应用组合



单区控制



多区控制



* 可使用多个遥控同时控制触摸面板，遥控的使用方法请参看说明书。



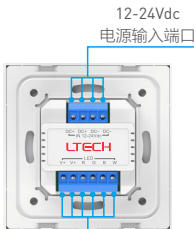
12-24Vdc电源输入 ↑ ↓ 连接LED灯具

E1



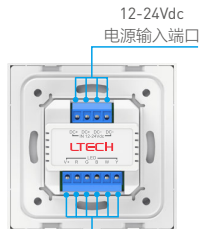
12-24Vdc电源输入 ↑ ↓ 连接LED灯具

E2



连接LED灯具

E4/E4S



连接LED灯具

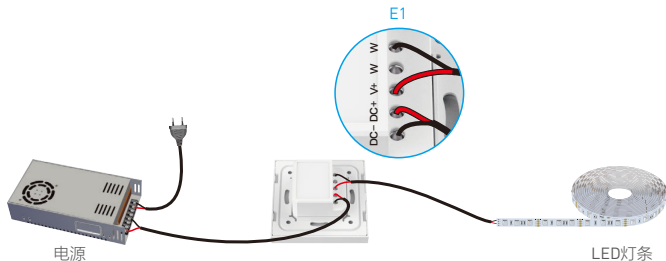
E5S

连接LED灯具

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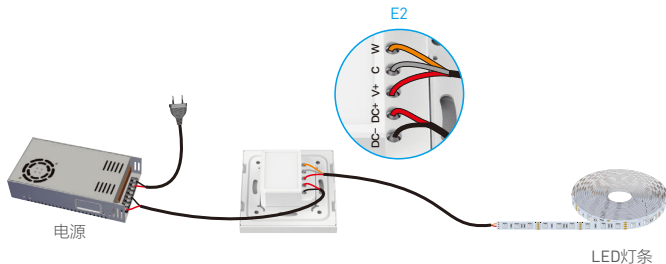
E1: 连接12V灯条, 最大48W/CH

连接24V灯条, 最大96W/CH



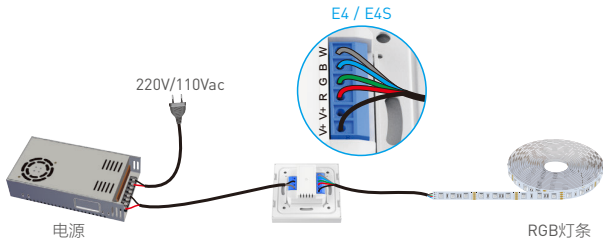
E2: 连接12V灯条, 两路最大48W

连接24V灯条, 两路最大96W

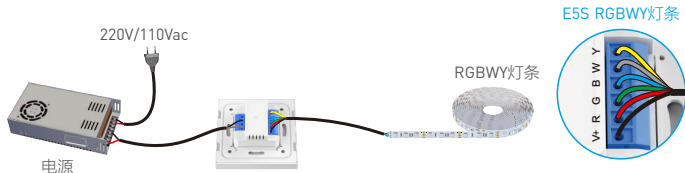
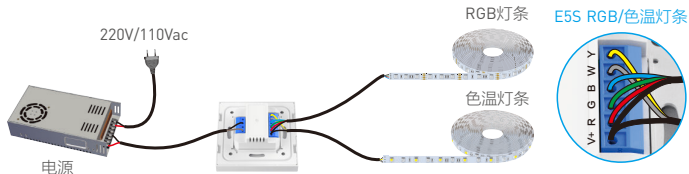


E4/E4S: 连接12V灯条, 最大36W/CH 连接24V灯条, 最大72W/CH

LTECH



E5S: 连接12V灯条, RGB最大108W/CH, CT最大36W/CH 连接24V灯条, RGB最大216W/CH, CT最大72W/CH



1. 触摸面板指示灯为白色时，长按面板的  键，直至指示灯闪烁。



E1



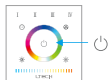
E2



E4



E4S



E5S

2. 对码F系列遥控。

单区遥控：长按遥控器上开关键，面板指示灯停止闪烁，对码成功。

多区遥控：同时长按所需分区的ON、OFF键，面板指示灯停止闪烁，对码成功。



F1
(调光)



F2
(色温)



F3
(RGB)



F4
(RGBW)



F5
(调光)



F6
(色温)



F7
(RGB)



F8
(RGBW)

触摸面板E1可与遥控F1/F5配对使用，E2与F2/F6配对使用，E4/E4S与F4/F8配对使用。

对码Q系列遥控：长按遥控器上需对码分区的开键，面板指示灯停止闪烁，对码成功。



Q1



Q2



Q4



Q5

触摸面板E5S可与Q5配对使用。

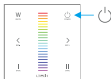
1. 触摸面板指示灯为白色时，长按面板的  键，直至指示灯闪烁。



E1



E2



E4



E4S



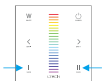
E5S

2. 打开APP，进入分区设置界面，点击右上角的 "MATCH" 按键，按照APP上的提示进行操作。



清码

- 同时按面板最下面两个键约6秒，指示灯闪烁几次，清码成功。



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- 已经超出保修服务期;
- 过高电压、超负载、操作不当等人为造成的损坏;
- 产品外形严重损坏或变形;
- 自然灾害以及人力不可抗拒原因造成的损坏;
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