

LTECH

Intelligent Touch Panel

[Bluetooth + DMX / Programmable]



UB1

UB2

UB4

UB5

Manual

www.ltech-led.com



FCC ID: 2AYCYUB5

Product Introduction

Intelligent Touch Panel is an American base wall switch, integrating Bluetooth 5.0 SIG Mesh and DMX signals. It is a simple but elegant design with CNC aviation aluminum frame and 2.5D tempered glass. The panel is suitable for multi-scene and multi-zone lighting control applications. Working with Bluetooth systems makes it more convenient and intelligent.

Package Contents



Intelligent Touch Panel × 1



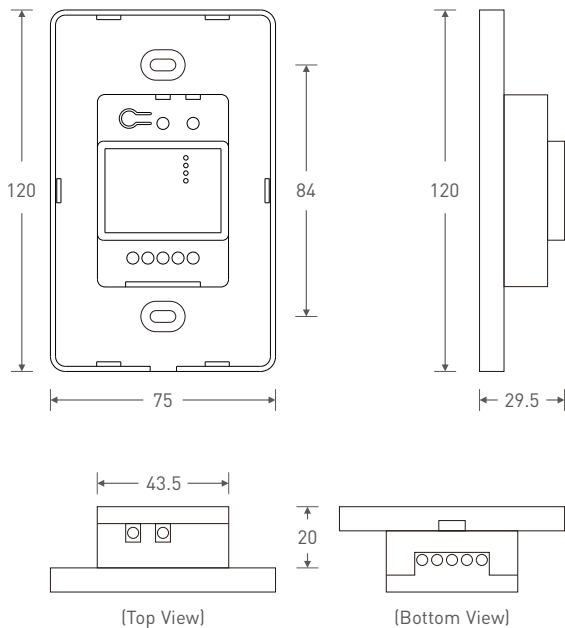
Manual × 1

Technical Specs

Model	UB1	UB2	UB4	UB5
Control mode	DIM	CT	RGBW	RGBWY
Input voltage	12-24VDC, Powered by Class 2			
Wireless protocol type	Bluetooth 5.0 SIG Mesh			
Output signal	DMX512			
Zones	4			
Working temperature	-20°C~55°C			
Dimensions(L×W×H)	120×75×30(mm)			
Package size(L×W×H)	158×113×62(mm)			
Weight(G.W.)	225g			

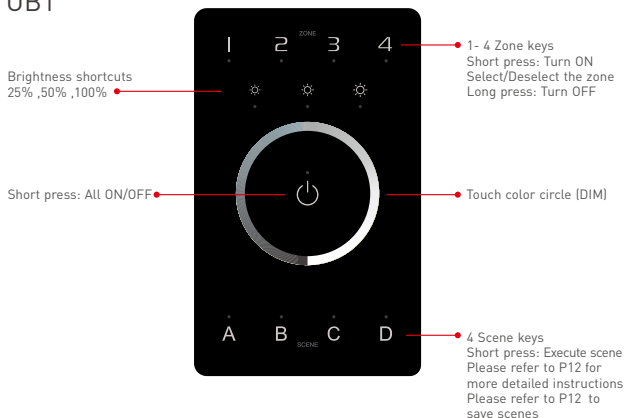
Product Size

Unit: mm



Key Functions

UB1



UB2



Key Functions

UB4

16 modes

Short press: Play mode

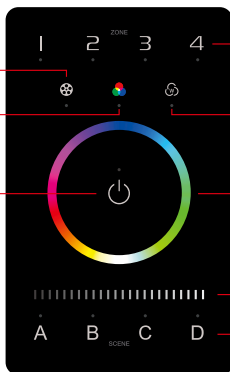
Long press: Adjust speed

Short press: ON/OFF RGB

Short press: All ON/OFF

16 modes (Press "⊗" to switch)

1. 3 color jumping
2. 7 color jumping
3. White strobe
4. 7 color strobe
5. Red green gradient
6. Red blue gradient
7. Green blue gradient
8. Red yellow gradient
9. Blue purple gradient
10. Green yellow gradient
11. Blue cyan gradient
12. Red purple gradient
13. Blue white gradient
14. Yellow purple cyan gradient
15. 3 color gradient
16. Full color gradient



1- 4 Zone keys

Short press: Turn ON

Select/Deselect the zone

Long press: Turn OFF

Short press: Turn ON/OFF white color

Long press: Adjust brightness of white color

Touch color circle (RGB)

Touch slider bar (BRT)

4 Scene keys

Short press: Execute scene

Please refer to P12 for

more detailed instructions

Please refer to P12 to

save scenes

UB5

16 modes

Short press: Play mode

Long press: Adjust speed

Short press: ON/OFF RGB

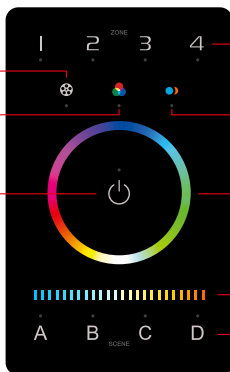
Long press: Adjust

RGB brightness

Short press: All ON/OFF

16 modes (Press "⊗" to switch)

1. 3 color jumping
2. 7 color jumping
3. White strobe
4. 7 color strobe
5. Red green gradient
6. Red blue gradient
7. Green blue gradient
8. Red yellow gradient
9. Blue purple gradient
10. Green yellow gradient
11. Blue cyan gradient
12. Red purple gradient
13. Blue white gradient
14. Yellow purple cyan gradient
15. 3 color gradient
16. Full color gradient



1- 4 Zone keys

Short press: Turn ON

Select/Deselect the zone

Long press: Turn OFF

Short press: Turn ON/OFF WY

Long press: Adjust

brightness of WY

Touch color circle (RGB)

Touch slider bar (WY)

4 Scene keys

Short press: Execute scene

Please refer to P12 for

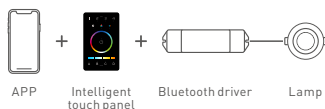
more detailed instructions

Please refer to P12 to

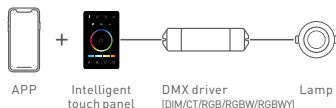
save scenes

Recommended Applications

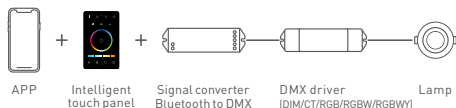
1. Wireless Control.



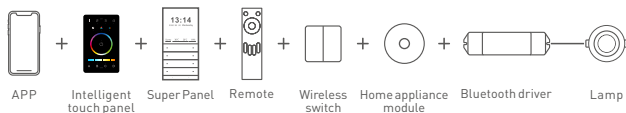
2. Wireless+Wired control (With reliable and stable signals).



3. Wireless+Wired control (Enriching different lighting applications).

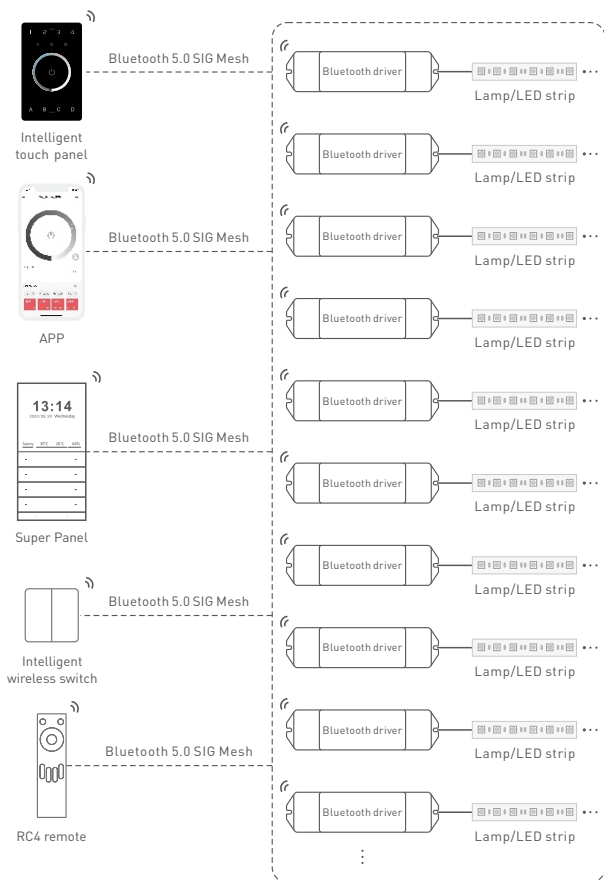


4. Visual control+Remote control of traditional panels.

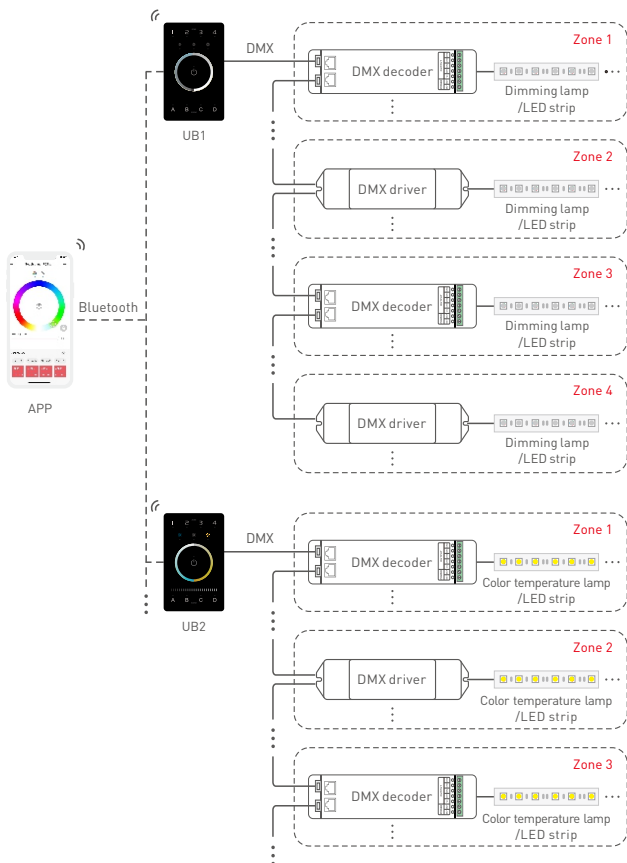


5. More applications of intelligent control are waiting for you to set up.

Bluetooth Application Diagram



DMX Application Diagram



Each zone can be installed with multiple decoders. When the total number of decoders in 4 zones exceeds 32, please add DMX signal amplifiers.

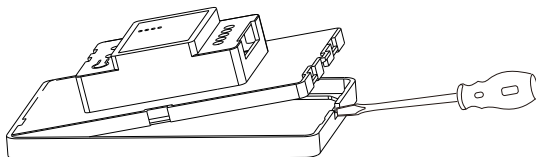
DMX Channel Output Sheet

Address \ Type Zone	DIM	CT	CT2	RGBW	RGBWY
1	DIM1	C1	BRT1	R1	R1
2	DIM2	W1	CT1	G1	G1
3	DIM3	C2	BRT2	B1	B1
4	DIM4	W2	CT2	W1	W1
5	DIM1	C3	BRT3	R2	Y1
6	DIM2	W3	CT3	G2	R2
7	DIM3	C4	BRT4	B2	G2
8	DIM4	W4	CT4	W2	B2
9	DIM1	C1	BRT1	R3	W2
10	DIM2	W1	CT1	G3	Y2
11	DIM3	C2	BRT2	B3	R3
12	DIM4	W2	CT2	W3	G3
13	DIM1	C3	BRT3	R4	B3
14	DIM2	W3	CT3	G4	W3
15	DIM3	C4	BRT4	B4	Y3
16	DIM4	W4	CT4	W4	R4
17	DIM1	C1	BRT1	R1	G4
18	DIM2	W1	CT1	G1	B4
19	DIM3	C2	BRT2	B1	W4
20	DIM4	W2	CT2	W1	Y4
⋮	⋮	⋮	⋮	⋮	⋮
500	DIM4	W2	CT2	W1	Y4
⋮	⋮	⋮	⋮	⋮	/
512	DIM4	W4	CT4	W4	/

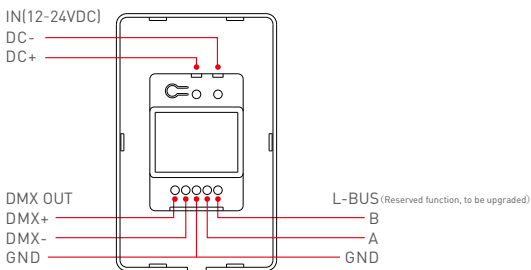
* As shown in the sheet above, every 4 DIM addresses are circulated in 4 zones, every 8 addresses of CT1 and CT2 are circulated in 4 zones, every 16 RGBW addresses are circulated in 4 zones, every 20 RGBWY addresses are circulated in 4 zones.

Installation Instructions

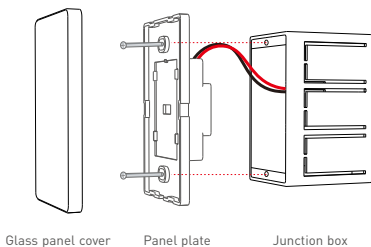
Step 1: Remove the panel plate with a flathead screwdriver, as shown below.



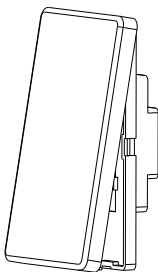
Step 2: Attach the wires to the panel, as shown in the diagram below . Please be sure to turn off the power to the circuit at the circuit breaker or fuse box before attaching the wires.



Step 3: Install the panel plate. Once the wires are attached correctly, you can gently fold any excess wire and compress the panel into the junction box. Tighten the screws to secure the panel plate to the box.



Step 4: Put the panel cover in place. Gently snap the panel cover onto the plate.



Attentions

- Please use in spacious and open space. Avoid metal obstructions above and in front of products.
- Please use in a cool and dry environment.
- No disassembly of products so as not to affect the warranty.
- Avoid direct contact with light and heat.
- Please do not open, modify, repair or maintain products without authorization , otherwise warranties are not allowed.

App Operating Instructions

1.Register an account

- 1.1 Scan the QR code below with your mobile phone and follow the prompts to complete the app installation.
- 1.2 Open the App and log in or register an account.

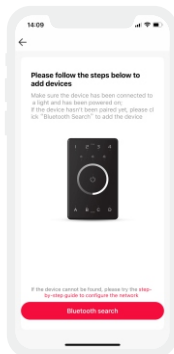
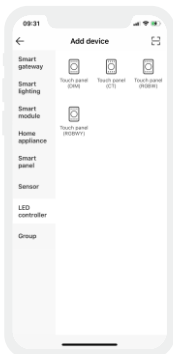
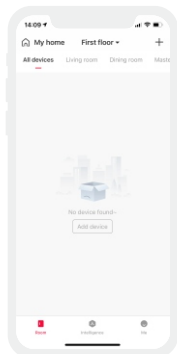


Scan and download the App

2.Paring instructions

Create a home if you are a new user. Click "+" icon in the upper right corner and access the "Add device" list. Follow the prompts to add a LED driver first, then pick "LED controller-Touch panel" from the device list. Follow the prompts to activate the device, then click "Bluetooth search" to add the device.

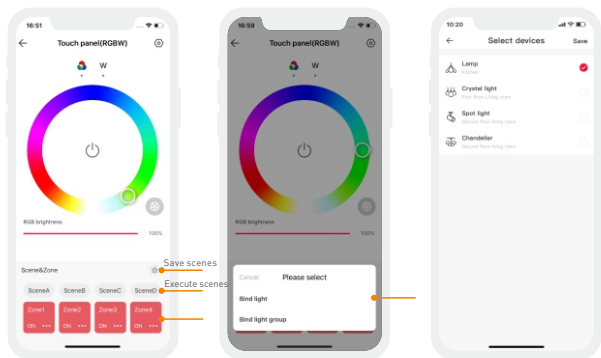
How to reset the device to factory defaults: When the panel is powered on (the indicator light is white), long press Key A and Key D for 6s. If all the indicator lights of the panel flash several times, it means the device has been reset to factory defaults.



3.How to bind lights /light groups and save scenes

After pairing, get access to the control interface and choose the button for the zone lighting you are going to edit. You can bind lights and light groups to the buttons.

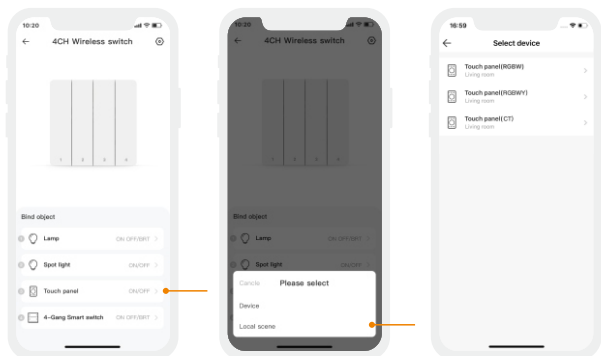
Local scenes: After adjusting the zone lighting to appropriate status, click "Save" and follow the prompts to save zone lighting status in the scene. After saving, click the corresponding scene button to execute the current local lighting scene (Supporting 16 scenes currently).



4.How to bind a bluetooth remote/bluetooth intelligent wireless switch

Please refer to the manual of a bluetooth remote / bluetooth intelligent wireless switch.

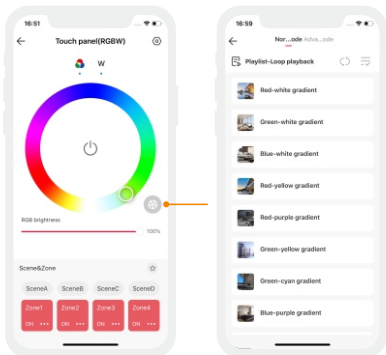
After adding the device, access the control interface and bind the corresponding intelligent touch panels.



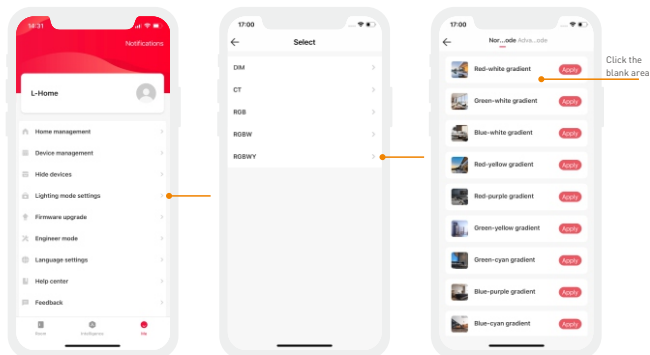
5.Normal modes and advanced modes

Normal modes: Click “Mode”icon and access the mode interface. Click the blank area of the mode and it can be executed. There are 12 editable normal modes in total which satisfy the general needs of customers(Currently, only RGBW & RGBWY support normal modes).

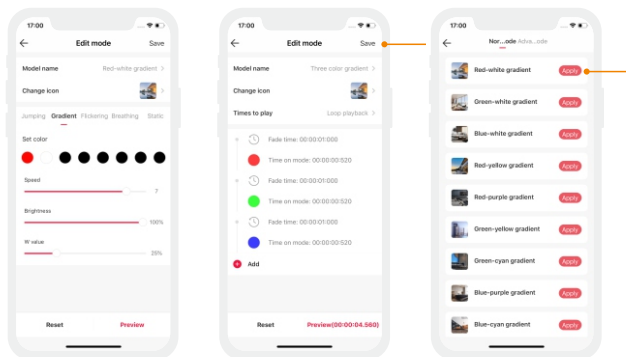
Advanced modes: Click the blank area of the mode and it can be executed. There are 8 editable advanced modes in total which satisfy the general needs of customers.



Edit modes: Switch to “Me” menu and click “Lighting mode settings”. After selecting the light fixture type, click the blank area of mode to get access to the editable mode interface and edit it.

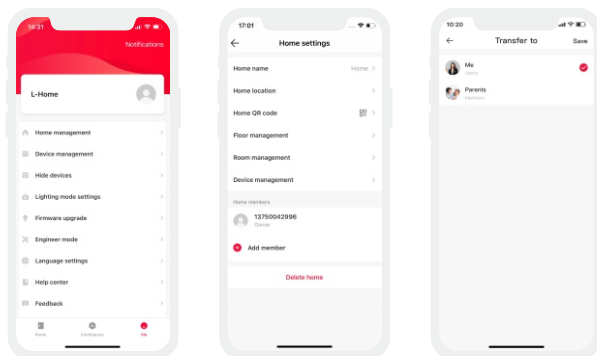


After complete editing, click “Apply” and the mode can be applied to the device.



6.How to share control of your home

The home sharing mode adopted is able to share the home or transfer the home founder to other home members. Switch to “Me” menu and choose “Home management”. Click the home that you want to share and click “Add member”, then follow the prompts to complete the home sharing.



Warning

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).

* 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: 2 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.

LTECH

智能触摸面板

(蓝牙 + DMX/可编程)



UB1

UB2

UB4

UB5

使用说明书

www.ltech.cn



FCC ID: 2AYCYUB5

产品介绍

智能触摸面板是一款采用蓝牙 5.0 SIG Mesh无线协议以及DMX信号的美式墙壁开关。采用CNC航空铝边框，2.5D钢化玻璃，外观简约时尚。应用于多场景操控的环境，可以快速的调出预设灯光场景，来满足当前环境的需要。本产品可以很好的弥补了面板没有很多场景操作的空缺，丰富了产品类型，搭配蓝牙系统使用，更加方便智能。

包装内容



智能触摸面板×1个



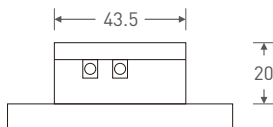
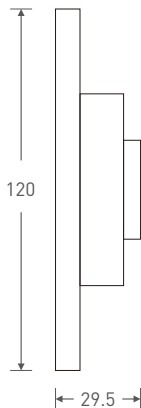
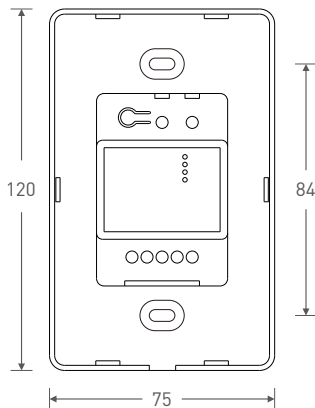
说明书×1本

性能参数

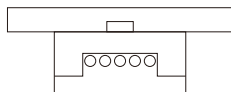
型号	UB1	UB2	UB4	UB5
调光类型	DIM	CT	RGBW	RGBWY
输入电压	12-24VDC, Class2 电源供电			
无线类型	蓝牙5.0 SIG Mesh			
输出信号	DMX 512			
分区数量	4			
工作温度	-20°C~55°C			
产品尺寸	L120×W75×H30(mm)			
包装尺寸	L158×W113×H62(mm)			
重量(毛重)	225g			

产品尺寸

单位: mm



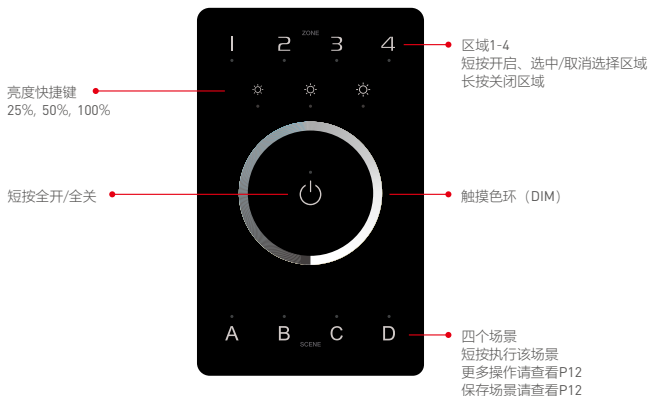
(俯视图)



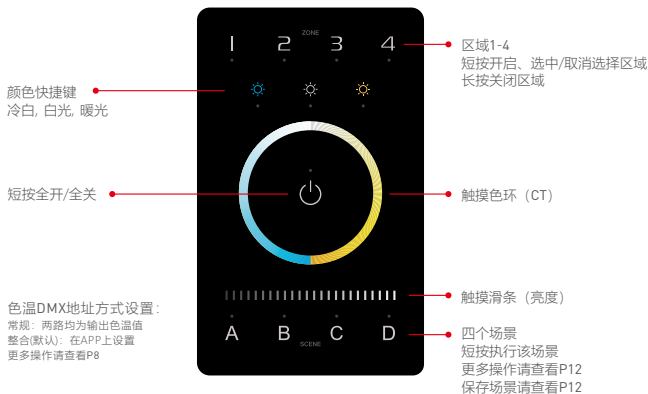
(底视图)

功能说明

UB1



UB2



功能说明

UB4

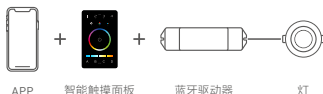


UB5

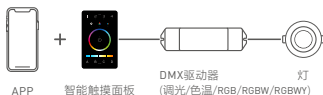


推荐应用搭配

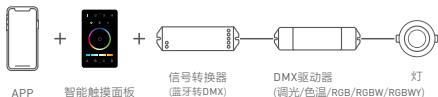
1. 无线控制灯具。



2. 无线+有线控制，信号稳定可靠。



3. 无线+有线控制，丰富不同灯光应用。

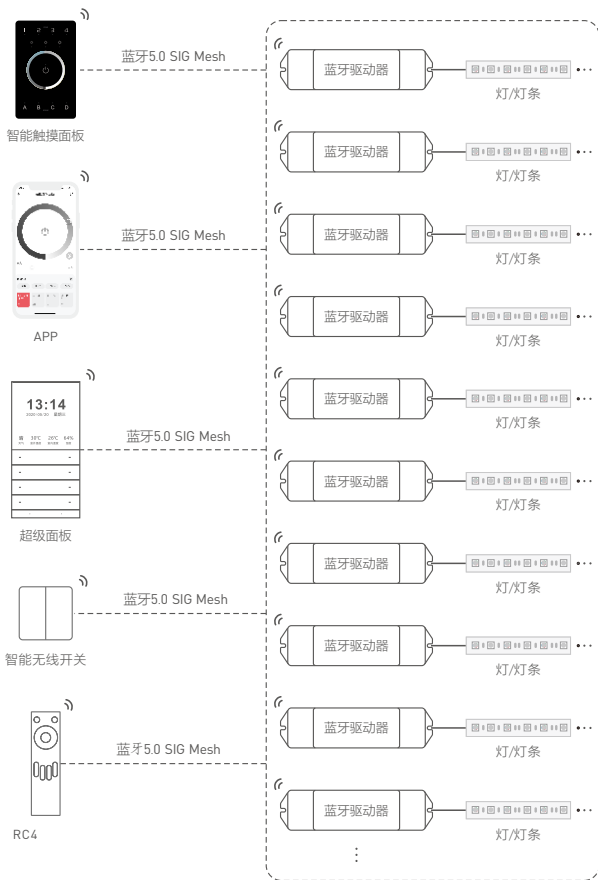


4. 可视化控制+传统调光面板遥控控制。

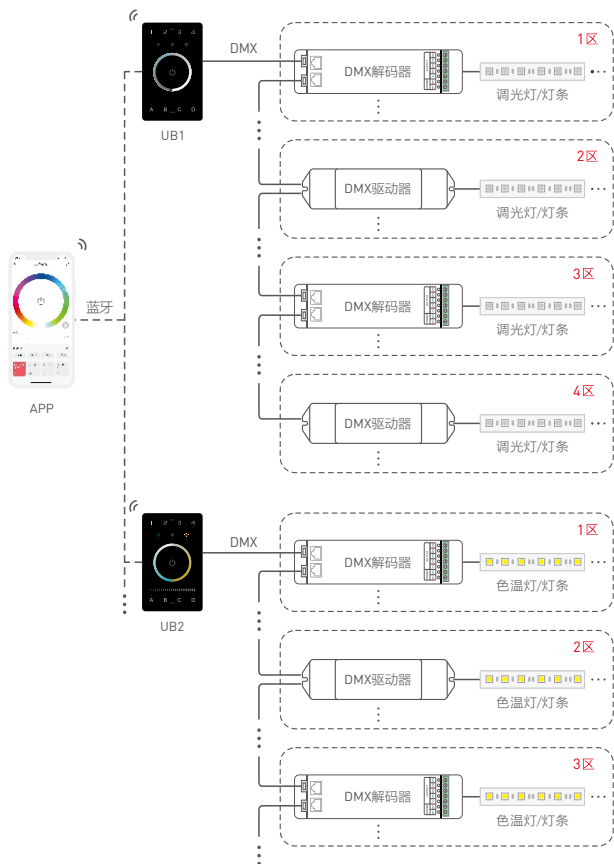


5. ...智能控制，更多应用搭配等您来设置。

蓝牙应用示意图



DMX应用示意图



每个区可安装多台解码器，4个区总数每超过32台，请增加DMX信号放大器。

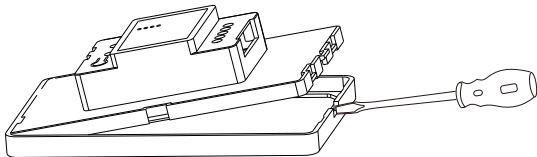
DMX通道输出表

地址 \ 类型 分区	DIM	CT	CT2	RGBW	RGBWY
1	DIM1	C1	BRT1	R1	R1
2	DIM2	W1	CT1	G1	G1
3	DIM3	C2	BRT2	B1	B1
4	DIM4	W2	CT2	W1	W1
5	DIM1	C3	BRT3	R2	Y1
6	DIM2	W3	CT3	G2	R2
7	DIM3	C4	BRT4	B2	G2
8	DIM4	W4	CT4	W2	B2
9	DIM1	C1	BRT1	R3	W2
10	DIM2	W1	CT1	G3	Y2
11	DIM3	C2	BRT2	B3	R3
12	DIM4	W2	CT2	W3	G3
13	DIM1	C3	BRT3	R4	B3
14	DIM2	W3	CT3	G4	W3
15	DIM3	C4	BRT4	B4	Y3
16	DIM4	W4	CT4	W4	R4
17	DIM1	C1	BRT1	R1	G4
18	DIM2	W1	CT1	G1	B4
19	DIM3	C2	BRT2	B1	W4
20	DIM4	W2	CT2	W1	Y4
⋮	⋮	⋮	⋮	⋮	⋮
500	DIM4	W2	CT2	W1	Y4
⋮	⋮	⋮	⋮	⋮	/
512	DIM4	W4	CT4	W4	/

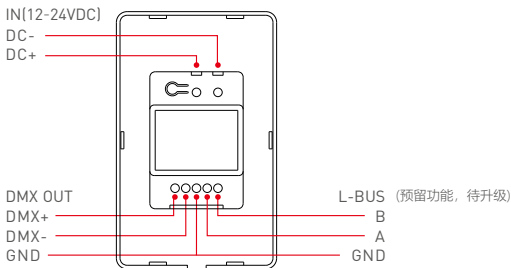
* DIM每4个地址循环4个分区，CT1和CT2每8个地址循环4个分区，RGBW每16个地址循环4个分区，RGBWY每20个地址循环4个分区。按上图表示意，如此类推。

安装方法

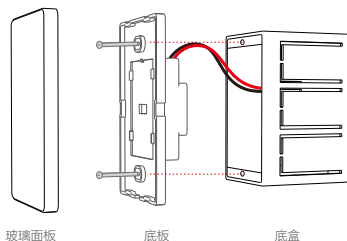
第一步：拆卸底板。请使用一字螺丝刀撬开面板，如图所示。



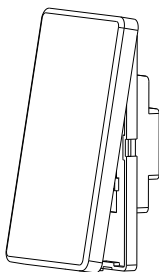
第二步：线路连接。请先切断安装面板开关处的电源后，按图示进行线路连接。



第三步：安装底板。确认接线正确后，将安装的电线有序地理进底盒，安放好底板，并用螺丝固定好。



第四步：扣上面板。将玻璃面板的上部卡入底板，然后轻按下方，压入卡位。



注意事项

- 请尽量在空间开阔的环境中使用本产品，产品上方和前方避免有金属遮挡物。
- 不能在潮湿环境中使用。
- 禁止私自拆卸产品，以免影响保修。
- 禁止灼烧，远离热源。
- 请勿打开、改动、修理或维护本产品，否则不予保修。

APP操作说明

1. 账号注册

1.1 通过手机扫描下方二维码，按提示完成APP安装。

1.2 打开APP进行登录/注册操作。



扫码下载APP

2. 配对操作

新用户创建家庭后，点击右上角“+”进入添加设备列表，先将驱动器按照提示添加完成后，在添加设备列表选择“LED控制器-智能触摸面板”后，点击“蓝牙搜索”后，按照提示完成添加设备。



3. 如何绑定灯/灯组和保存场景

配对完成后，进入控制界面，选择要编辑的按键。按键可以绑定灯具、灯组等设备。

本地场景：将区域状态调整至目标效果后，点击保存按钮，按照提示将区域保存到场景。

保存完成后，点击即可执行当前本地灯光场景（当前支持16个场景）。



4. 如何绑定蓝牙遥控器/蓝牙智能无线开关

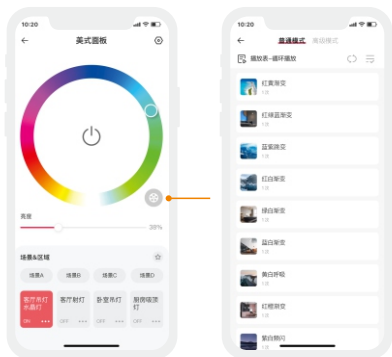
请参照蓝牙遥控器/蓝牙智能无线开关说明书，添加完成设备后，进入控制界面绑定对应的智能触摸面板即可。



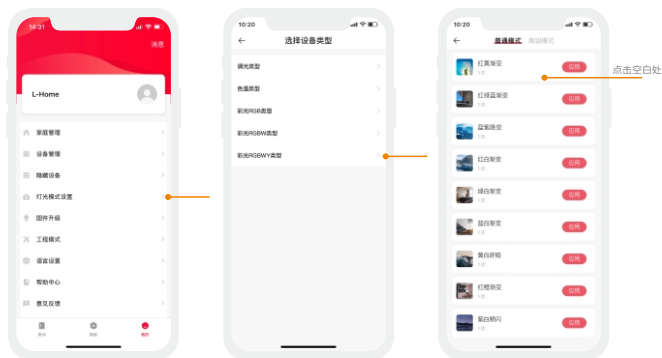
5. 普通模式和高级模式

普通模式：点击模式图标进入模式界面，点击空白即可执行该模式。共有十二个可编辑普通模式满足广大客户的需求。（当前仅RGBW/RGBWY类型支持普通模式）

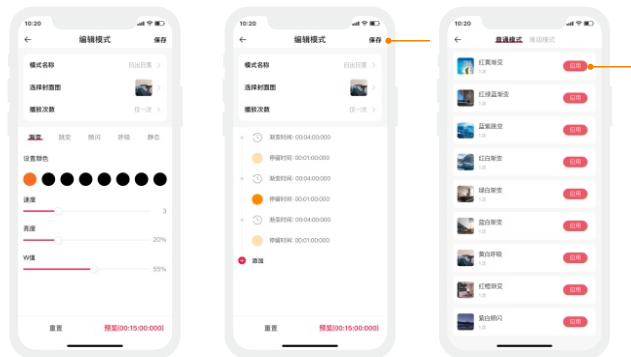
高级模式：点击空白即可执行该模式。共有八个可编辑高级模式满足广大客户的需求。



编辑模式：切换到“我的”菜单，选择“灯光模式设置”选项，选择对应的类型后，点击空白处即可进入编辑模式界面。



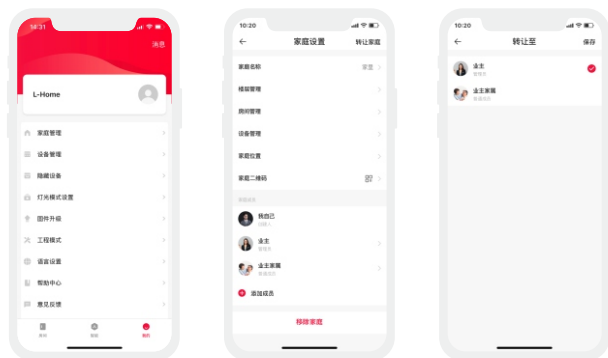
进入编辑模式界面，编辑完成后，点击“应用”即可应用到该设备。



6. 如何分享设备

采用家庭式的分享方式，快捷简单的分享家庭给家庭成员/转让家庭创建人。

切换到“我的”菜单，选择“家庭管理”。点击需要分享的家庭后，选择“添加成员”按照提示操作完成家庭分享。



常见问题及回答

1. 配网失败怎么办？

- 1.1. 确保设备正常通电，并且处于激活状态；
- 1.2. 需要添加的设备未被其他账号添加过，如被添加过，请手动恢复出厂；
- 1.3. 确保手机与设备两者尽量靠近，建议不超过15米；
- 1.4. 如设备已被强制删除，请手动恢复出厂，然后重新添加设备；

2. 如何远程控制/云场景设置？

如需远程控制/添加云场景设置，需搭配本司超级面板方可使用。

3. 设备如何恢复出厂设置？

在面板开机状态下（开关指示灯为白色），同时长按“A”“D”两个键6秒，面板全部指示灯闪烁几次，即表示设备已恢复到出厂设置状态。

* 本说明书的内容如有变更，恕不另行通知。若内容与您使用的功能有所不同，则以实物为准。如有疑问，欢迎向我司授权的经销商咨询。

保修条例

- 自出厂之日起保修服务期为2年。
- 在保修服务期内出现产品质量问题雷特将给予免费修理或更换服务。

非保修条例：

属下列情况不在免费保修或更换服务范围之内：

- 已经超出保修期限的；
- 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；
- 产品保修标签和产品唯一条形码损坏。
- 无雷特签订的合同或发票凭证。

1. 修理或更换是雷特对客户的唯一补救措施。雷特不承担任何附带引起的损害赔偿，除非在适用法律范围之内。

2. 雷特享有修正或调整本保修条款的权利，并以书面形式发布为准。

警告：未经合规责任方明确批准的对本单元的更改或修改可能使用户操作设备的权力无效。
这个装置符合 fcc规定的第15部分。

操作受以下两个条件制约：

- (1) 本装置不能引起有害干扰；
- (2) 本装置必须接受所接收的任何干扰，包括可能引起不希望操作的干扰。