Xiaolei

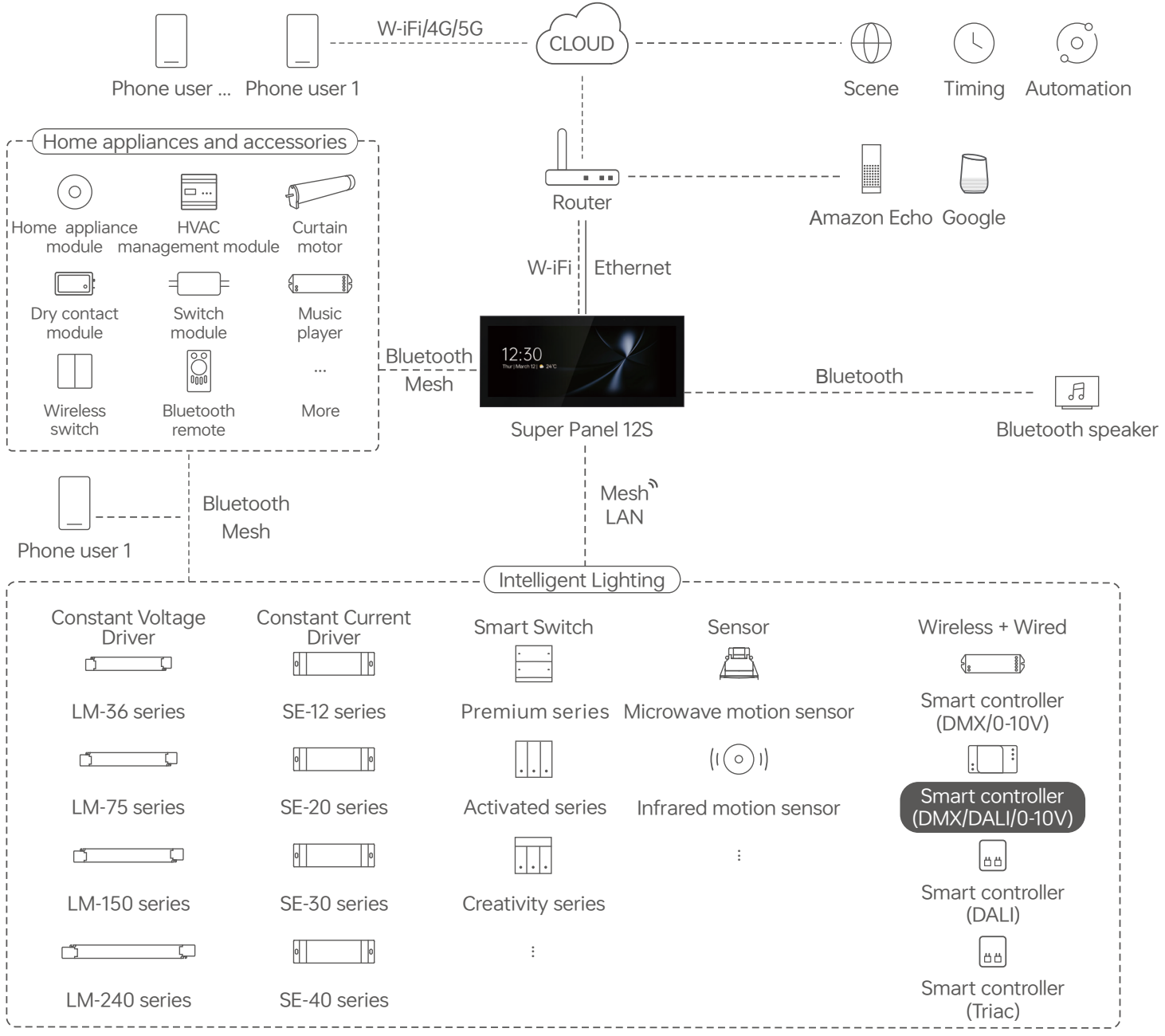
Smart Controller

Model: CG-DAM-PRO

Manual

www.xiaolei.com.cn

Application Diagram



Product Features

- Small size and light weight. Housing made from SAMSUNG/COVESTRO's V0 flame retardant PC materials.
- Bluetooth 5.0 SIG Mesh with high networking capacity provides reliable and stable performance.
- Combine DMX, DALI, 0-10V output into one output port.
- DALI bus power supply.
- DMX interface is compatible with DIM, CT, RGB, RGBW and RGBCW LED control outputs.DALI interface is compatible with DIM, CT and RGB outputs.0–10V interface supports DIM and CT outputs only.
- Support OTA update and remain ultra-low power consumption; continuously power it on and off to reset it to factory defaults.
- Set the fade time and lighting s tatus.
- CT lights suppor t circadian lighting. Mimic daylight changes, cus tomize the cir cadian lighting curve and execution time period to fit lighting needs under dif ferent environments.
- Support local scenes that can run without the Internet or a gateway. It is faster and more stable.
- Work with a smart gateway to achieve a variety of cloud scenes, cloud-based automation and local automation.
- Suitable for projects that need a large amount of light fixtures, like villas, hotels, supermarkets, etc.

Technical Specs

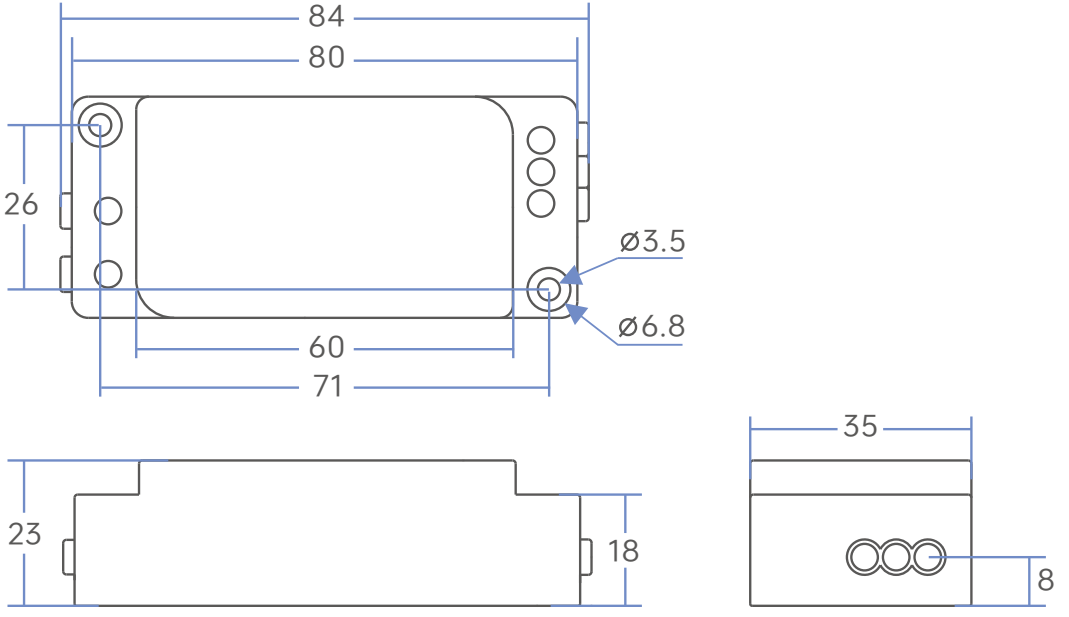
Model	CG-DAM-PRO
Wireless Protocol Type	Bluetooth 5.0 SIG Mesh
Output Signal	DMX / DALI / 0-10V
Working Voltage	100-240V~
DALI Output	12V⎓ (Max.220mA)
0-10V Output	10V⎓ (Max.15mA)
Working Temperature	-20°C~55°C
Product Size(L×W×H)	84×35×23(mm)
Package Size(L×W×H)	100×70×42(mm)
Weight (G.W.)	30g

Bluetooth® CE RoHS DALI

Product Images

Product Size

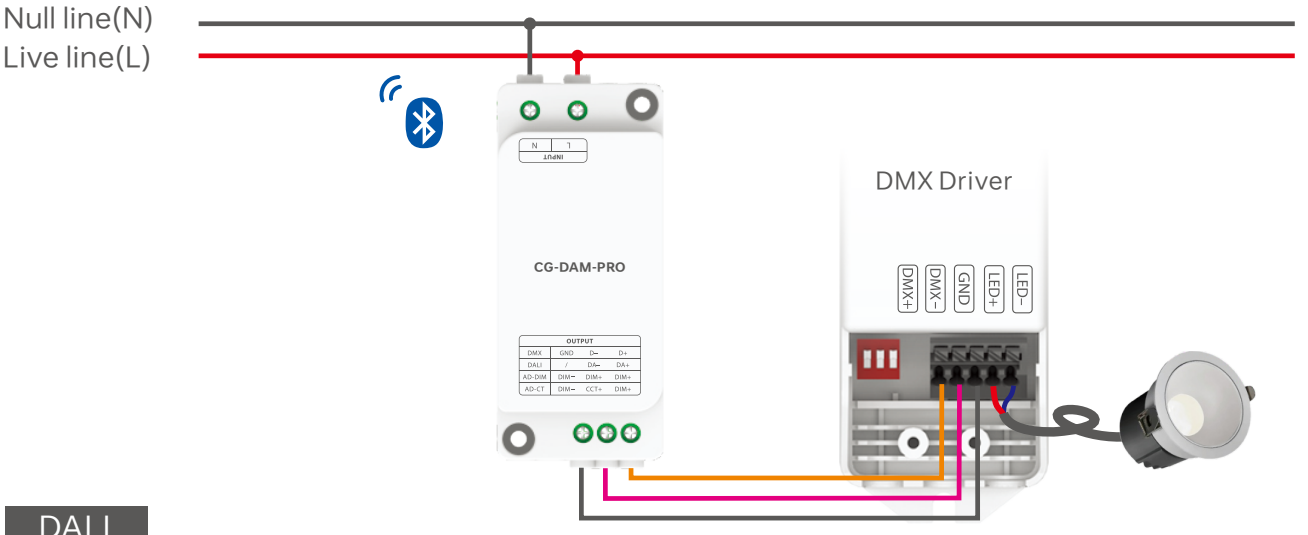
Unit: mm



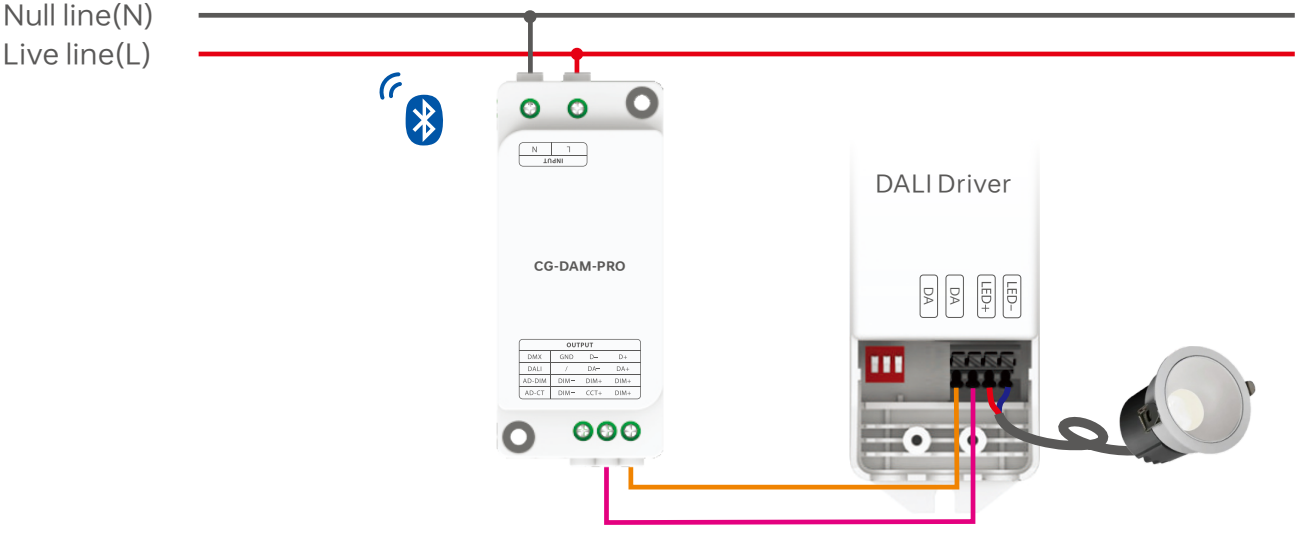
Wiring Diagram

Please confirm the output signal before you begin wiring(Default output signal is DMX). If you need to change the output signal type, please connect the device to the network first using the APP, then switch to the desired output signal (refer to Page 7 for details), and finally start your wire connection.

DMX

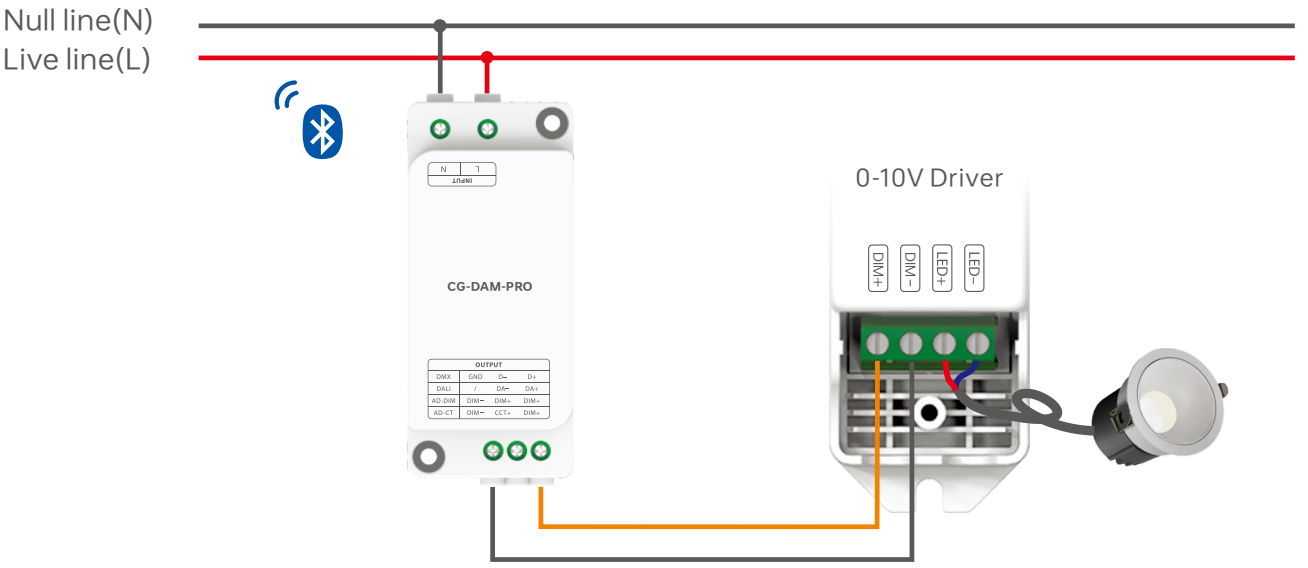


DALI

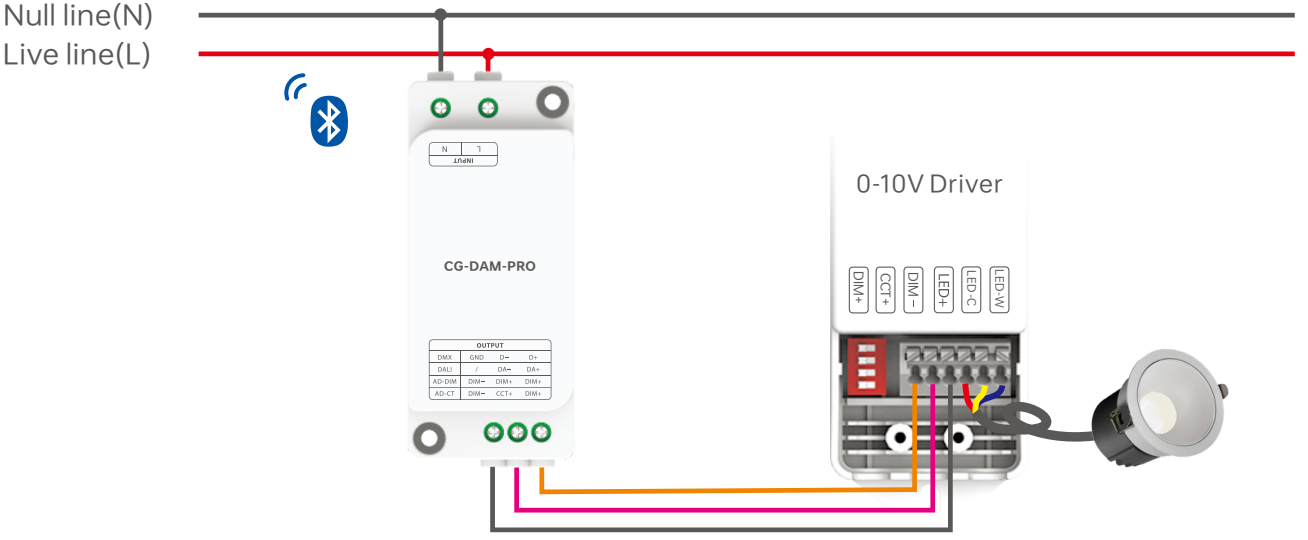


* This module has the integrated DALI bus power supply.

0-10V(DIM)

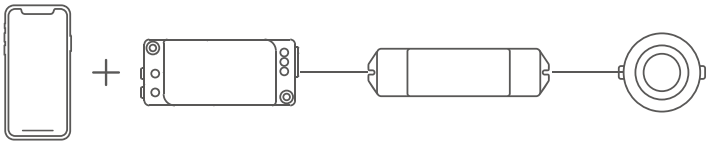


0-10V(CT)



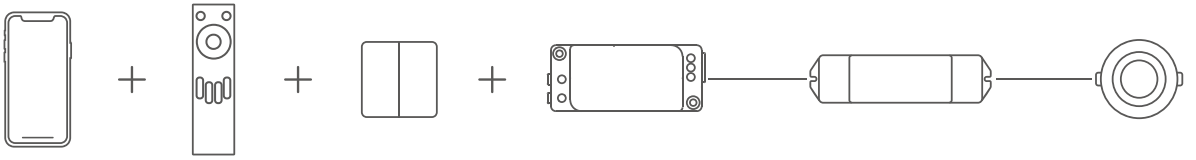
Applications

1.Wireless lamp control.



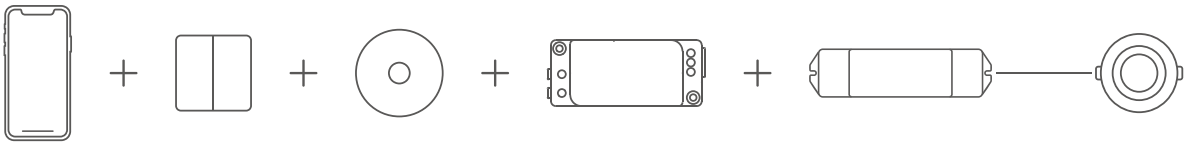
APP Smart controller DMX/DALI/0-10V driver Lamp

2.After linking the remote controller with the Smart controller via the App, you can control the device using the remote controller or App.



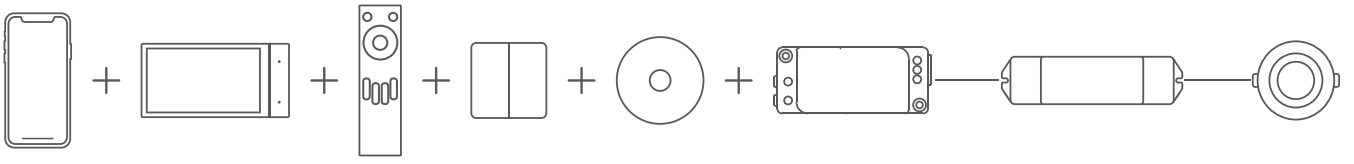
APP Remote controller Wireless switch Smart controller DMX/DALI/0-10V driver Lamp

3.Support local scenes that can run without the Internet or a gateway.



APP Wireless switch Home appliance module Smart controller DMX/DALI/0-10V driver Lamp

4.Work with a smart gateway to achieve a variety of cloud scenes, cloud-based automation and local automation.



APP Super panel 6S Remote controller Wireless switch Home appliance module Smart controller DMX/DALI/0-10V driver Lamp

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

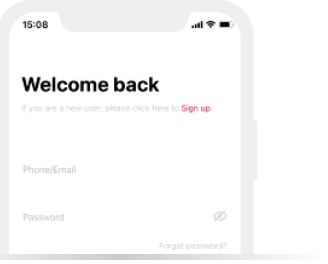
App Operating Instructions

1. Register an account

1.1 Scan the QR code below with you mobile phone and follow the prompts to complete the app installation.

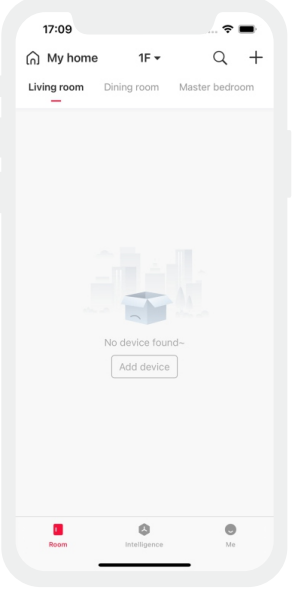
1.2 Open the App and log in or register an account.

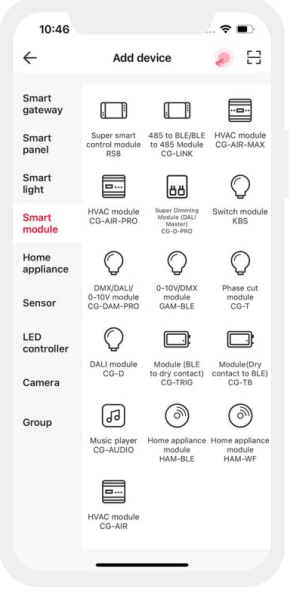
Scan and download the L-Home App

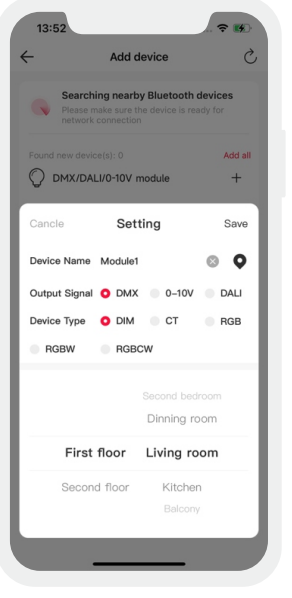


2. Pairing instructions

Create a home if you are a new user. Click“+”icon in the upper right corner to access the “Add device”page. Select “DMX/DALI/0-10V module” and follow the prompts to click “Search via Bluetooth”. After the device is found, you can set the output signal (Default is DMX signal) and the light fixture type, then save your settings.

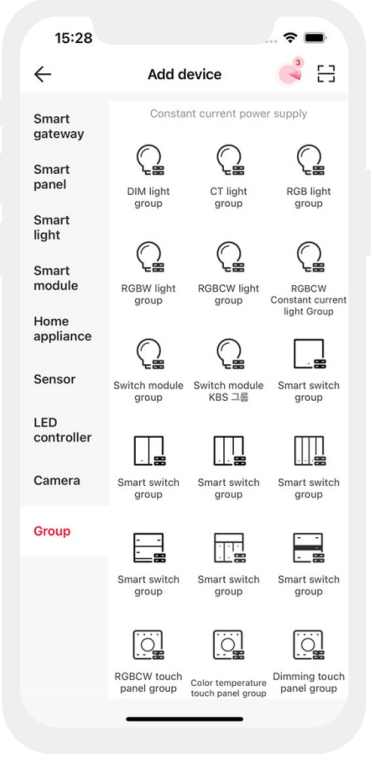


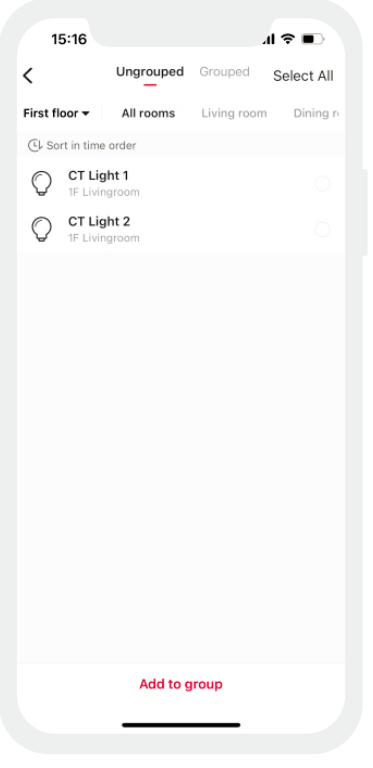


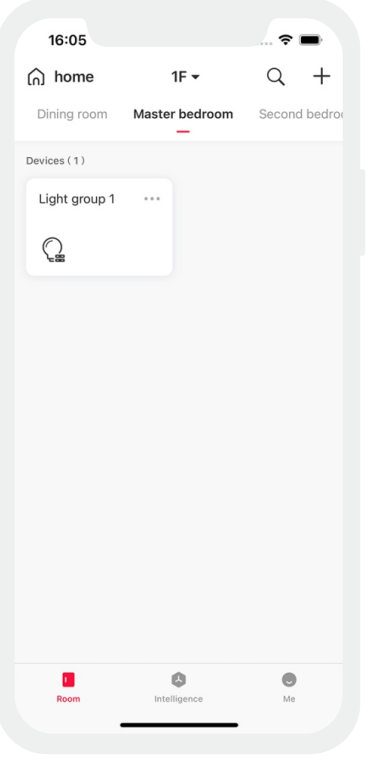


3. Light groups

To ensure the consistency of dynamic effects, you can group together the lights that output the same signal. Once you create the group, you can set the dim level and adjust color temperature, and color of lights more easily. Tap “Group” from the list and follow the prompts to rename the group. Then click “Next” to pick the lights you are going to group together and click “Save”.

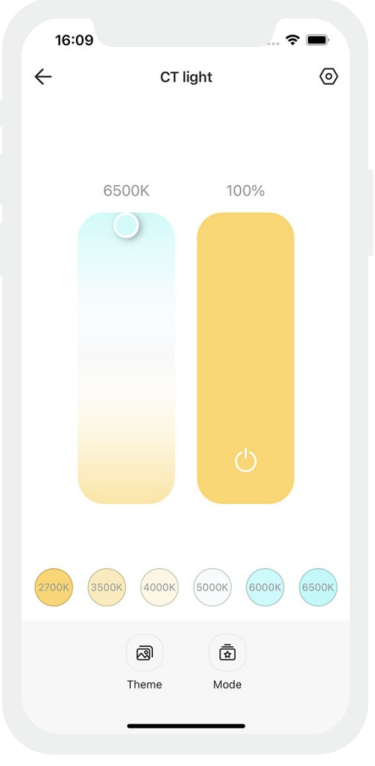


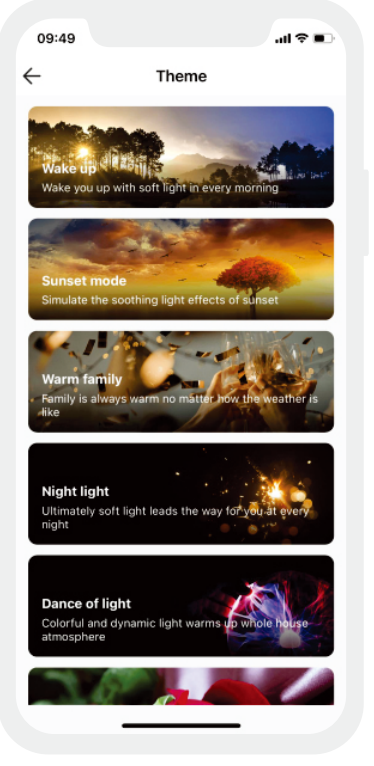


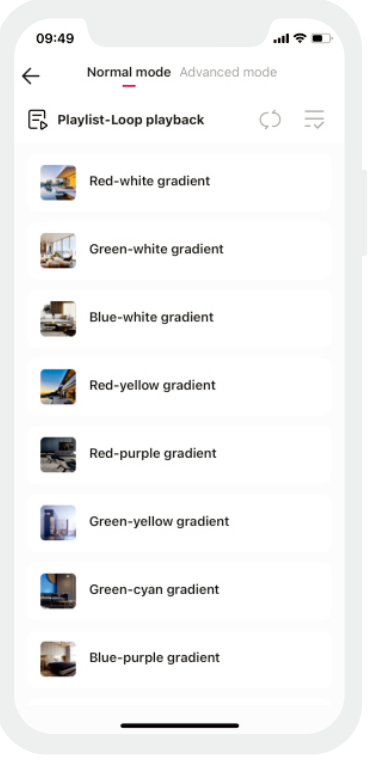


4. Control interface settings

After pairing your device, go to the control interface. You'll be able to achieve your desired lighting effects by changing brightness, colors and color temperature. Click “Theme”and you’ll easily switch between various theme lighting effects with one tap.Click“Mode”and the App provides you editable editable advanced modes. Customize dynamic modes to put you into a more colorful life.







5. Advanced functions

5.1 Control the Wireless module locally by linking it with a local scene.

5.2 Add a smart gateway like Super Panel 12S to achieve a variety of cloud scenes, cloud-based automation and local automation. For details, please view the instructions in the APP.

FAQs

1. What should I do if I fail to search the device via APP?

Please check below:

1.1 Please make sure the device is powered on normally and is in the activated state.

1.2 Please keep you mobile phone and device as close as possible. The recommended distance between them is no more than 15 meters.

1.3 Please make sure the device hasn't been added yet. If it has, please reset the device to factory defaults manually.

2.How to reset the device to factory defaults?

Make sure the smart controller is connected to a lamp and the lamp remains on.Use the switch to power it off. After 10s, power it on. After 5s, power it off again. Repeat the same operation 6 times. When the lamp flashes 5 times , reset the controller to factory defaults successfully.

Attentions

- Product installation and commissioning should be done by a qualified professional.
- LTECH products are and not lightningproof non-waterproof (special models excepted).
- Please avoid the sun and rain. When installed outdoors, please ensure they are mounted in a water proof enclosure or in an area equipped with lightning protection devices .
- Good heat dissipation will prolong the working life of products. Please ensure good ventilation.
- Please check if the working voltage used complies with the parameter requirements of products.
- The diameter of wire used must be able to load the light fixtures you connect and ensure the firm wiring.
- Before you power on products, please make sure all the wiring is correct in case of incorrect connection that causes damage to light fixtures.
- If a fault occurs, please do not attempt to fix products by yourself. If you have any question, please contact your suppliers.

Warranty Agreement

Warranty periods from the date of manufacture: 5 years.
Free repair or replacement services for quality problems are provided within warranty periods. Following conditions are not within the guarantee range of free repairing or replacement services:

- 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 or invoice 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. The warranty that issues in writting shall prevail.

✻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.

Xiaolei

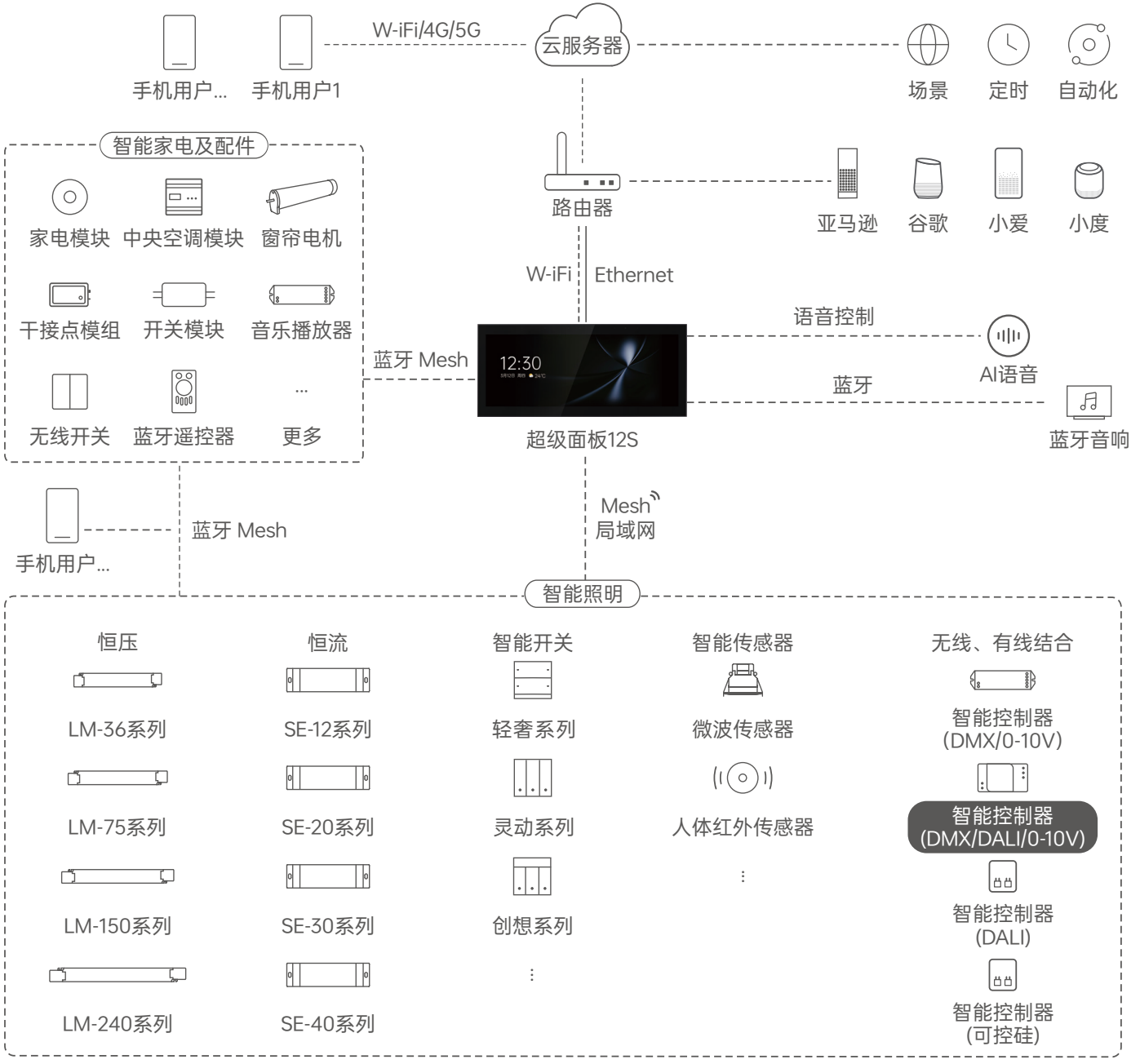
智 能 控 制 器

型号: CG-DAM-PRO

使 用 说 明 书

www.xiaolei.cn

系统图


手机用户...
手机用户1
W-iFi/4G/5G
云服务器
场景
定时
自动化
智能家电及配件
家电模块
中央空调模块
窗帘电机
干接点模组
开关模块
音乐播放器
无线开关
蓝牙遥控器
...
更多
路由器
亚马逊
谷歌
小爱
小度
W-iFi
Ethernet
蓝牙 Mesh
12:30
语音控制
AI语音
蓝牙
蓝牙音响
超级面板12S
手机用户...
蓝牙 Mesh
Mesh
局域网
智能照明
恒压
LM-36系列
LM-75系列
LM-150系列
LM-240系列
恒流
SE-12系列
SE-20系列
SE-30系列
SE-40系列
智能开关
轻奢系列
灵动系列
创想系列
智能传感器
微波传感器
人体红外传感器
无线、有线结合
智能控制器
(DMX/0-10V)
智能控制器
(DMX/DALI/0-10V)
智能控制器
(DALI)
智能控制器
(可控硅)

产品介绍

- 体积小、重量轻，外壳采用科思创/三星PC阻燃V0级原料；
- Bluetooth 5.0 SIG Mesh 通信协议，组网能力强，可靠稳定；
- 集成DMX、DALI、0-10V输出于一个输出端口；
- DALI带总线电源设计；
- DMX信号兼容DIM、CT、RGB、RGBW、RGBCW类型LED调光控制输出；DALI信号兼容DIM、CT、RGB类型输出；0-10V只支持DIM、CT类型输出；
- 支持OTA在线升级功能，具有超低功耗功能，可连续断上电恢复出厂设置；
- 可设置缓启动渐变时间、通电后灯光状态等，赋予灯光设计高端品质；
- 色温灯支持节律照明。根据不同环境的照明需求，模拟光线变化，自定义节律光曲线及执行周期，打造全环境节律光；
- 支持本地场景，去网关，断网可控，更快更稳定；
- 可搭配智能网关实现丰富的云场景、云自动化、本地自动化控制；
- 适用于灯具数量较多的项目，如别墅，酒店，商超等场所。

技术参数

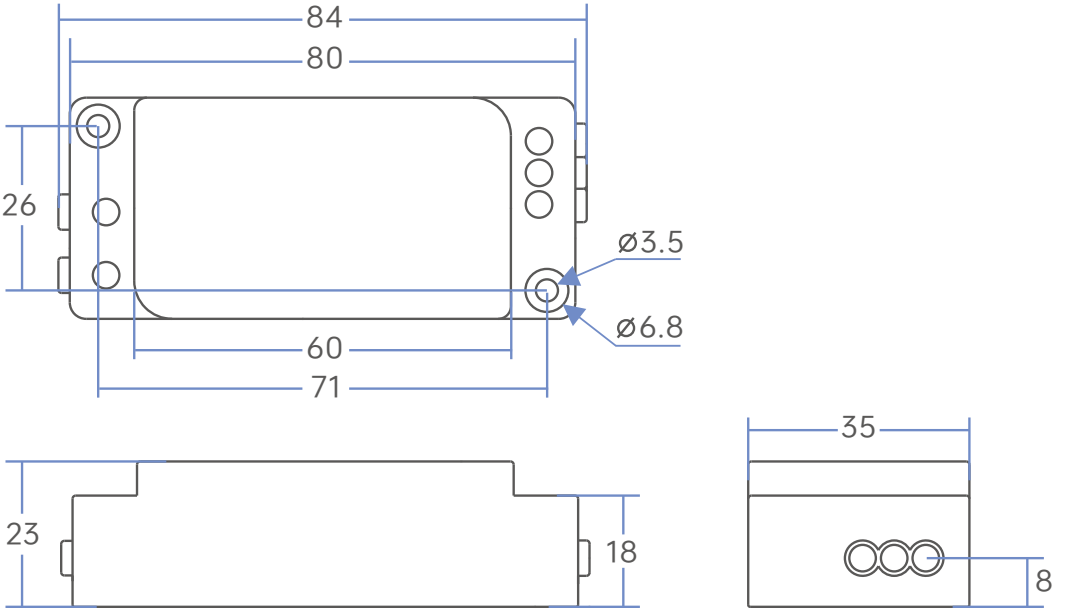
产品型号	CG-DAM-PRO
无线类型	Bluetooth 5.0 SIG Mesh
输出信号	DMX / DALI /0-10V
工作电压	100-240V~
DALI输出	12V⎓(Max.220mA)
0-10V输出	10V⎓(Max.15mA)
工作温度	-20°C~55°C
产品尺寸	L84×W35×H23(mm)
包装尺寸	L100×W70×H42(mm)
重量(毛重)	30g

Bluetooth® CE RoHS DALI

产品图示

产品尺寸

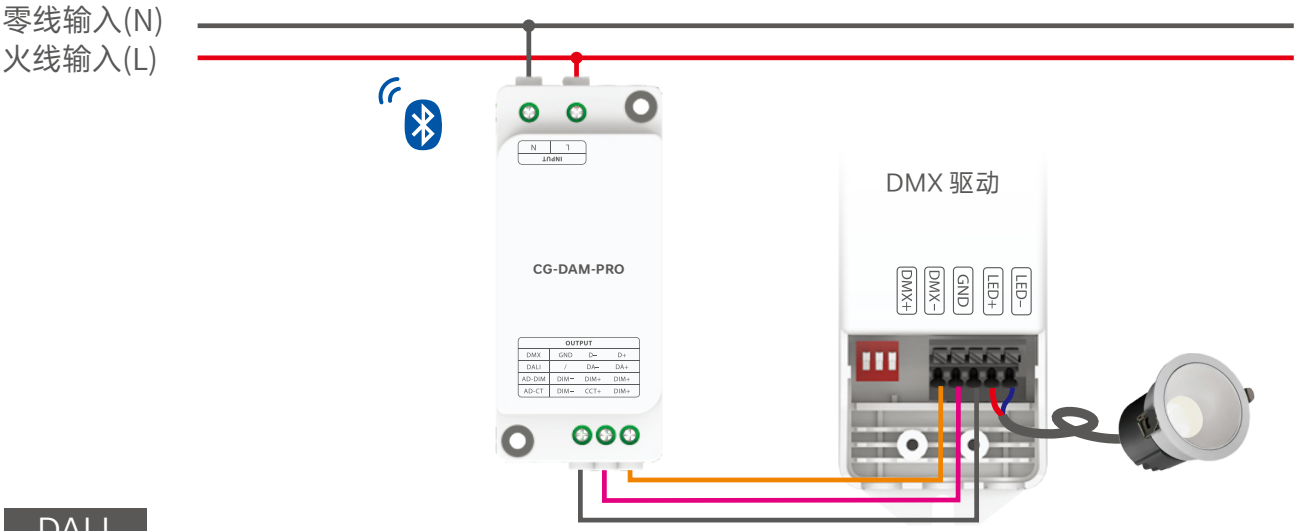
单位：mm



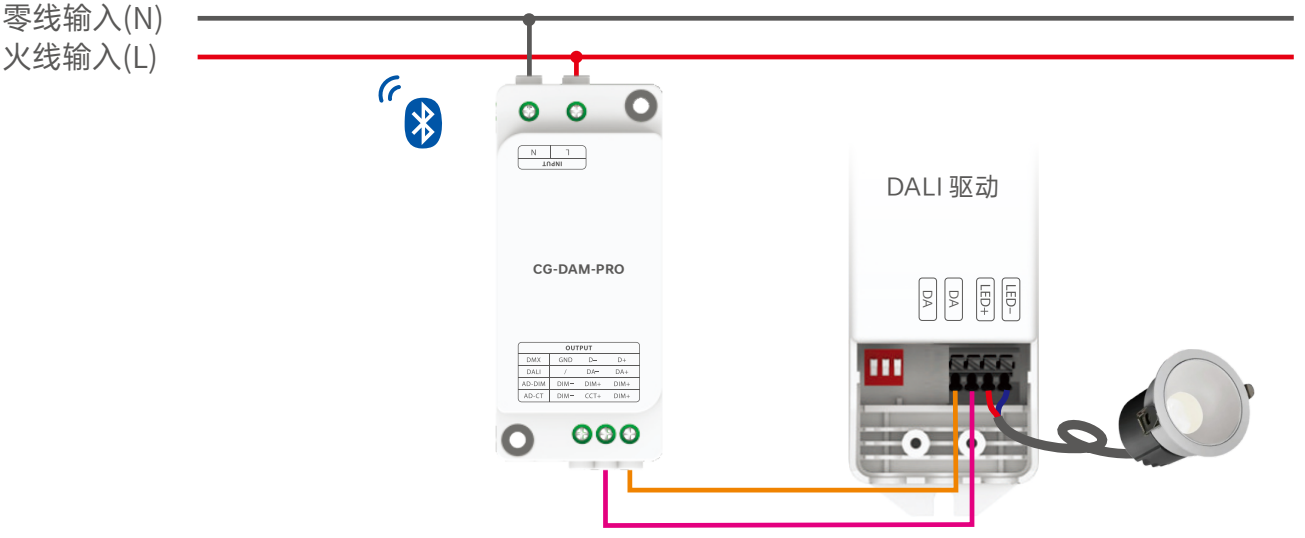
连接应用图

接线前请先确认输出信号(默认信号：DMX)。如需更改信号请先使用APP将设备入网后，再切换信号(详情请查看说明书P7)，最后进行接线。

DMX

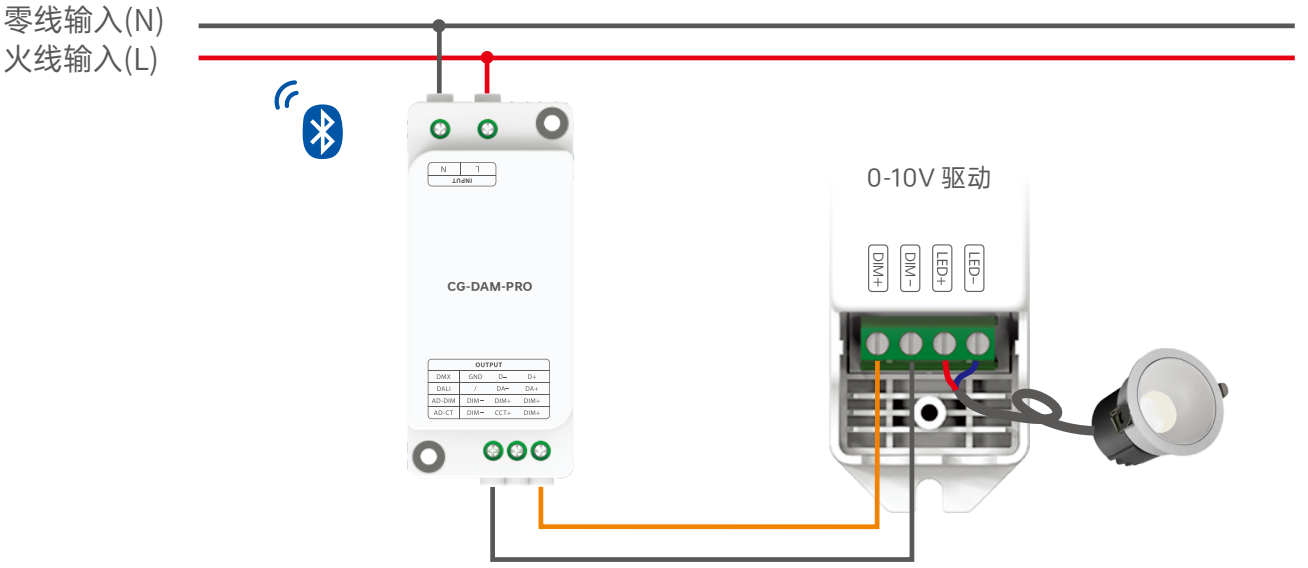


DALI

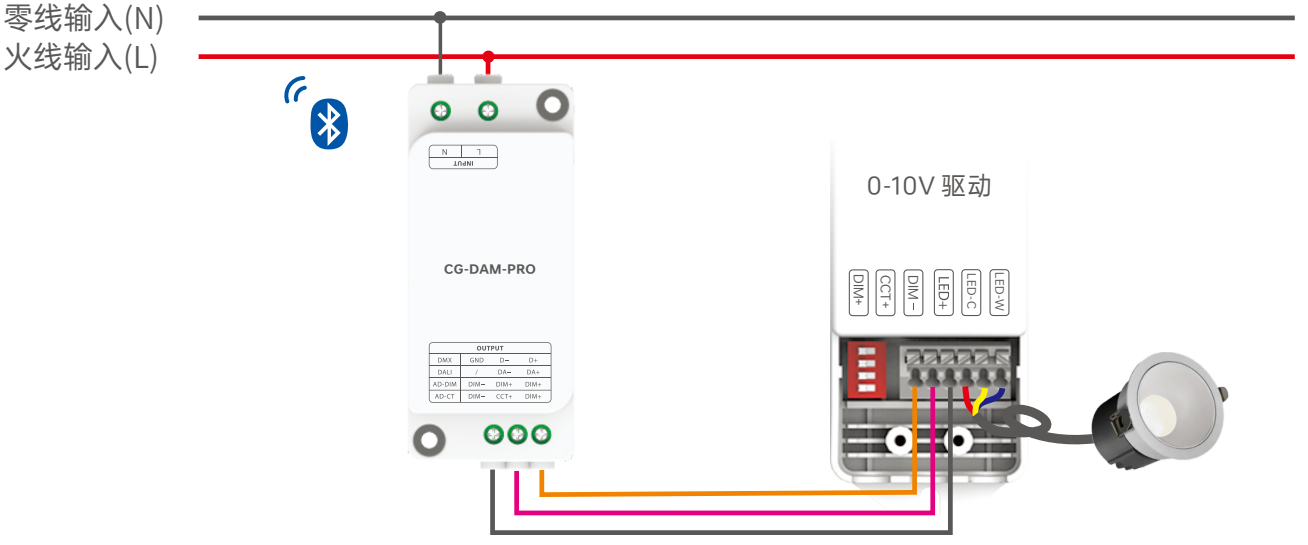


*本产品内置DALI总线电源。

0-10V(调光)

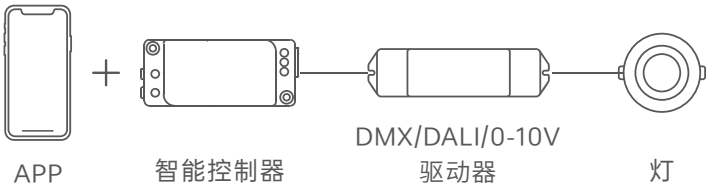


0-10V(调色温)

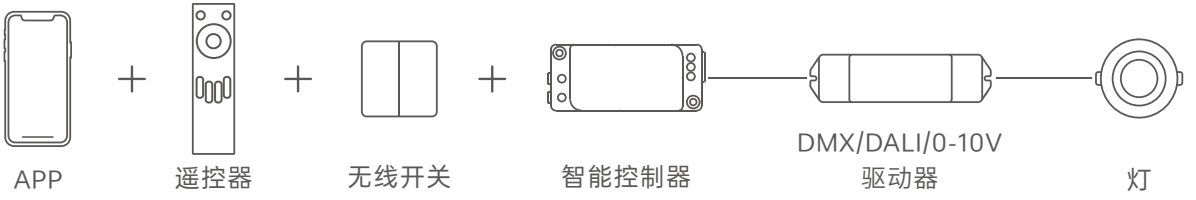


应用组合

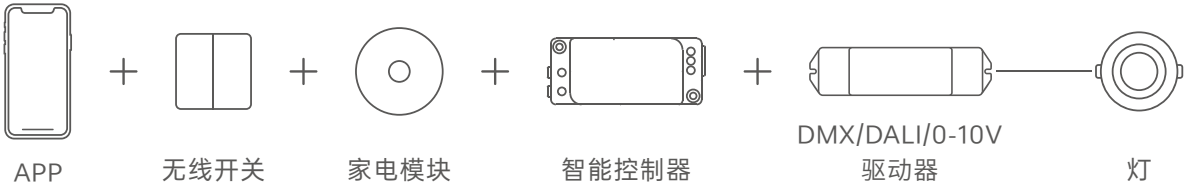
1.无线控制灯具。



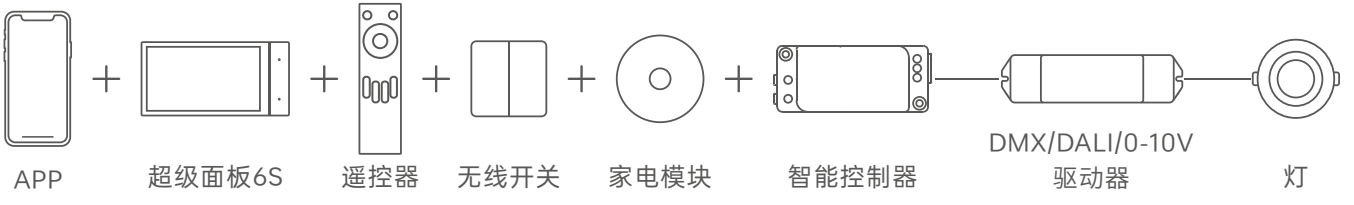
2.通过APP设置遥控关联智能控制器后，可实现APP与遥控两种控制方式控制设备。



3. 支持本地场景，去网关，断网可控。



4. 搭配智能网关，实现可视化控制，云场景、云自动化、本地自动化联动。



5. ...智能控制，更多应用搭配等您来设置。

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。

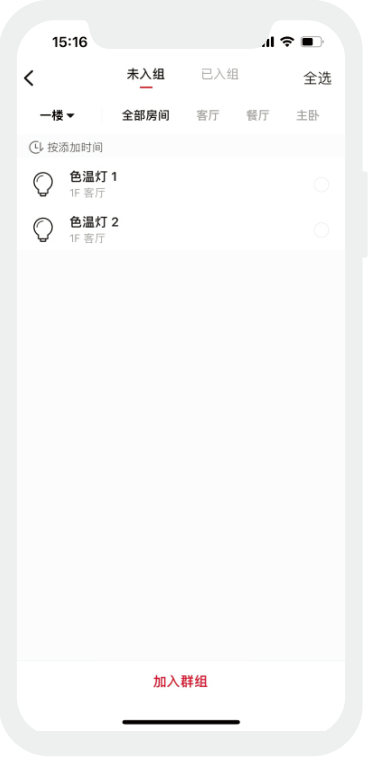
扫码下载L-Home APP

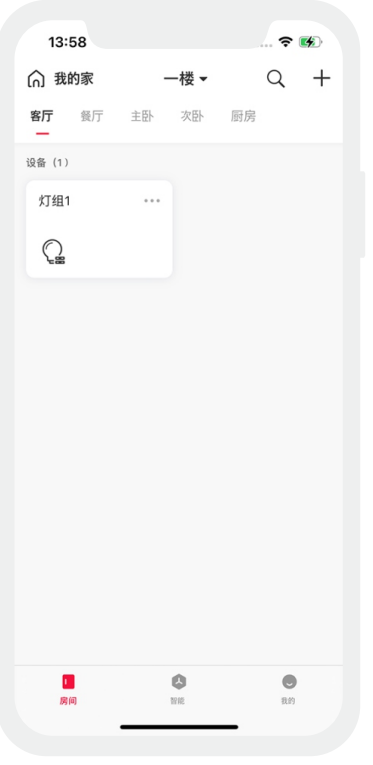
2. 配对操作

新用户创建家庭后，点击右上角“+”进入添加设备列表，在添加设备列表选择 “DMX/DALI/0-10V模块”后，按照提示操作，点击“蓝牙搜索”。搜索完成后，设置输出信号(默认DMX信号)及调光类型，保存成功即可。

3. 灯具群组

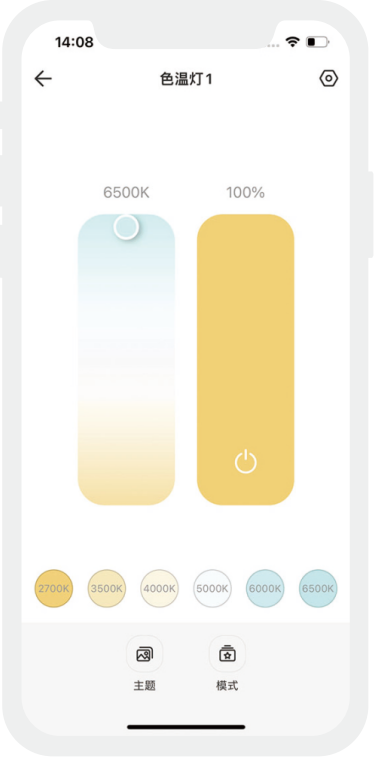
为保证动态效果的统一性，可将同类型且同信号的灯具组成群组，用户可以对群组进行调光、调色等操作，操作更加便利。在添加列表中选择“群组”，按照界面提示编辑灯组名称后，点击“下一步”，勾选您要组成群组的设备，保存即可。





4. 控制界面设置

配对完成后，进入控制界面，可以通过调节颜色、色温、亮度达到想要的灯光效果。点击主题，进入主题界面，可一键切换多种主题灯光效果。点击模式，具有可编辑的高级模式。自定义动态模式，让您的生活更加丰富多彩。



5. 高级功能

5.1 可通过联动本地场景，实现本地化控制；

5.2 可搭配具有网关功能的设备(比如:超级面板12S)实现丰富的云场景、云自动化、本地自动化控制。具体请查看APP操作。

常见问题

1. 设备一直搜索不到怎么办？

请检查以下选项：

1.1 确保设备正常通电状态；

1.2 确保手机与设备两者尽量靠近，建议不超过15米；

1.3 确保设备未被添加过，如被添加过，请手动恢复出厂。

2. 如何恢复出厂？

确保智能控制器已连接灯具且处于常亮状态下，使用开关连续断通电6次（每次断电时间10秒，通电5秒），第六次通电2秒后，灯具闪烁5次，即表示智能控制器已恢复到出厂设置状态。

注意事项

- 请由具有专业资格的人员进行调试安装。
- 雷特科技产品（专有型号除外）不能防水防雷，需避免日晒雨淋，如安装在户外，请用防水箱和防雷装置。
- 良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境。
- 请检查使用的工作电压是否符合产品的参数要求。
- 使用的电线直径大小必须能足够负载连接的 LED 灯具，并确保接线牢固。
- 通电调试前，应确保所有接线正确， 以避免因接线错误而导致灯具损坏。
- 如果发生故障，请勿私自维修；如果有疑问，请联系供应商。

保修条例

- 自出厂之日起保修服务期为5年。
- 在保修服务期内出现产品质量问题雷特科技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；
- 产品保修标签和产品唯一条形码损坏；
- 无雷特科技签订的合同或发票凭证。

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

* 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。