Xiaolei

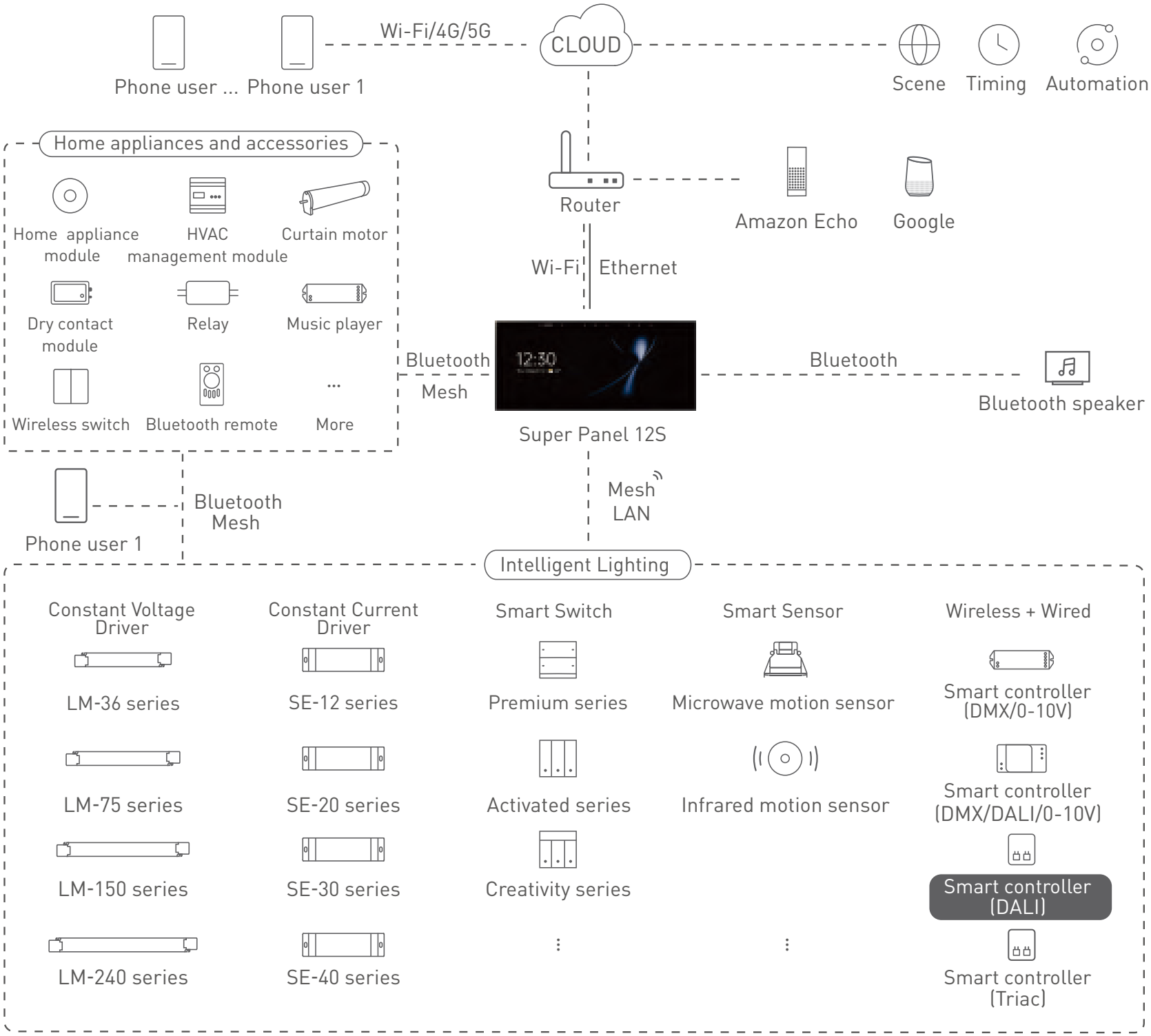
Smart Controller

Model: CG-D

Manual

www.xiaolei.com.cn

Application Diagram



Product Features

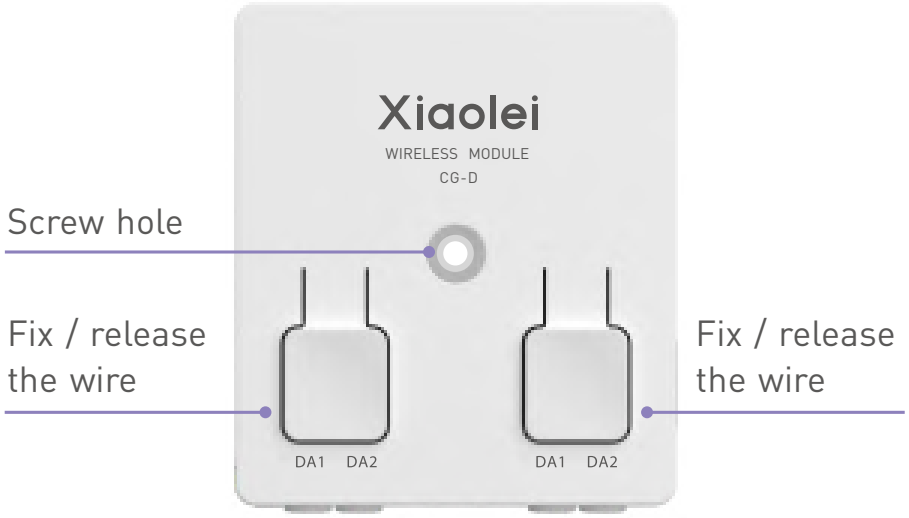
- Small size and light weight. The housing is made from SAMSUNG/COVESTRO's V0 flame retardant PC materials.
- Bluetooth 5.0 SIG Mesh with high networking capacity is reliable and stable.
- Convert Bluetooth to DALI signal; wireless and wired protocol work together.
- DALI bus power supply: 12 - 22.5Vdc.
- Compatible with DIM, CT, RGB lights and control output.
- Control it on IOS or Android devices via Bluetooth.
- Support online upgrade. With ultra-low power consumption, it can be continuously powered on and off to reset it to factory defaults.
- Setting the soft start time and lighting status is supported.
- Support the execution of local scenes without the Internet or a gateway, which is faster and more stable.
- Work with a smart gateway to achieve various cloud scenes, cloud-based automation, and loca automation.

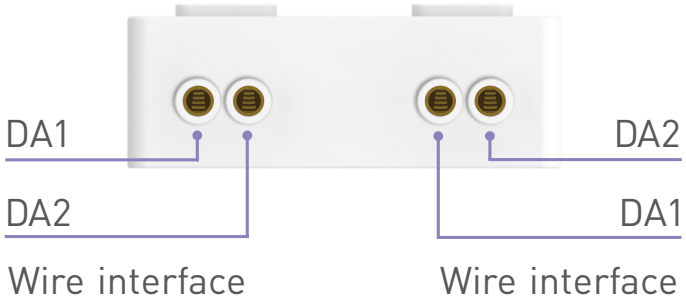
Technical Specs

Model	CG-D
Wireless Protocol Type	Bluetooth 5.0 SIG Mesh
Output Signal	DALI
Input Voltage	12-22.5Vdc
Working Temperature	-20°C~55°C
Product Size(L×W×H)	L52×W59×H20(mm)
Package Size(L×W×H)	L86×W86×H25(mm)
Weight (G.W.)	40g

Bluetooth® FC CE RoHS

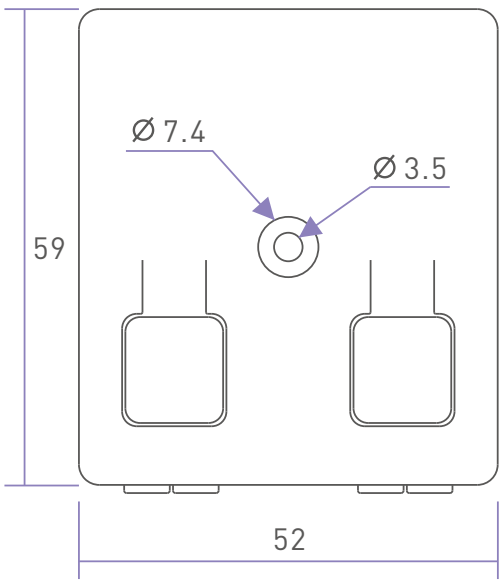
Product Images

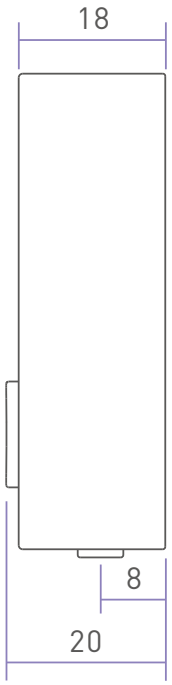


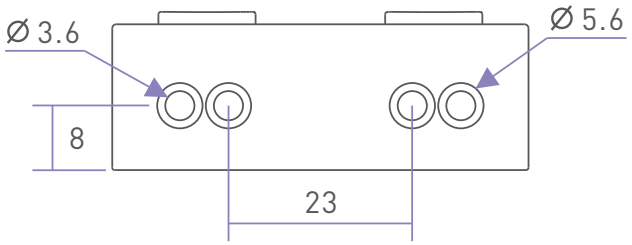


Product Size

Unit: mm

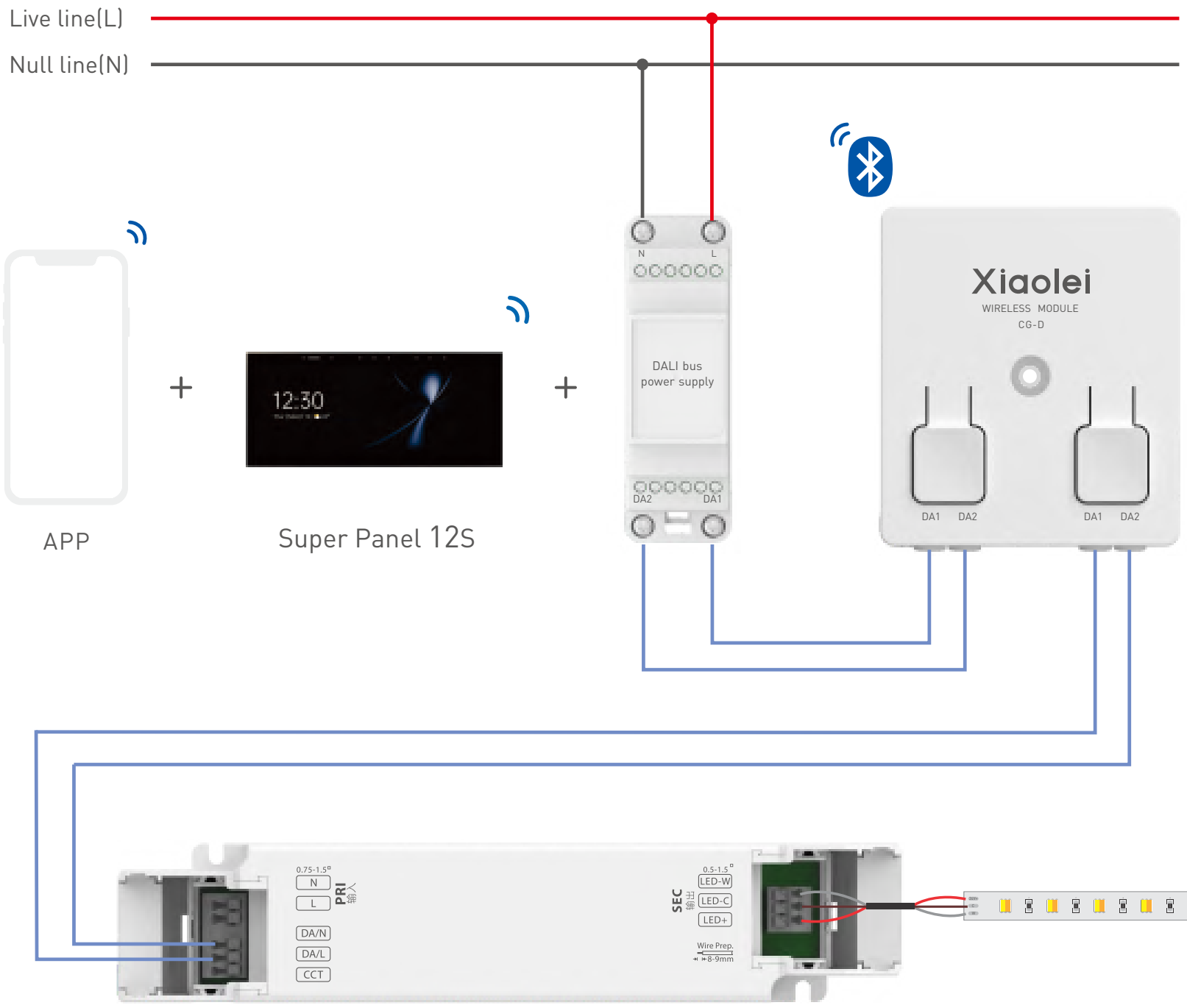




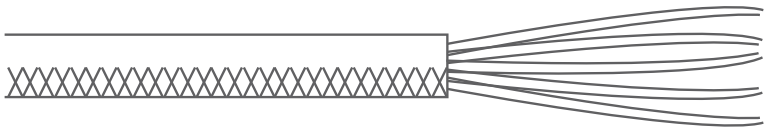


Wiring Diagram

APP + Super Panel 12S + DALI bus power supply + Smart controller + DALI driver.



Wire Specifications



Thin multi-strand wires
Stranded wires may have burrs and barbs, which cause jamming during wire removal. This leads to excessive force applied to the button, resulting in damage to the terminals.

Thin multi-strand wires + Soldering
The solder may have burrs and barbs, which cause jamming during wire removal. This leads to excessive force applied to the button, resulting in damage to the terminals.

Single strand wire
Wire diameter: 0.5-0.75□(AWG 20-18)
Stripping length: 6-8mm

Thin multi-strand wires with an insulated cold-welded ferrule
It is recommended to use the Wago brand
Model: 216-241 marked ferrule, wire diameter: 0.5□(AWG 20)
Model: 216-242 marked ferrule, wire diameter: 0.75□(AWG 18)
Stripping length: 6-8mm

Wire Connection

Connect wires: Turn off the power before connecting wires. Make wires parallel to the wire port, then insert wires into the corresponding terminal until wires are locked.

Release wires: Turn off the power before releasing wires. Press and hold the button on the top and gently pull the wires out.

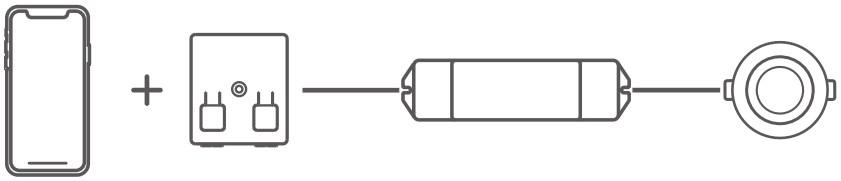
Attentions:

1.Please connect the wires based on the wire specifications. Otherwise the terminals will be easily damaged if the wire diameter is too big;

2.Press the terminals with proper force and keep it vertically downward.

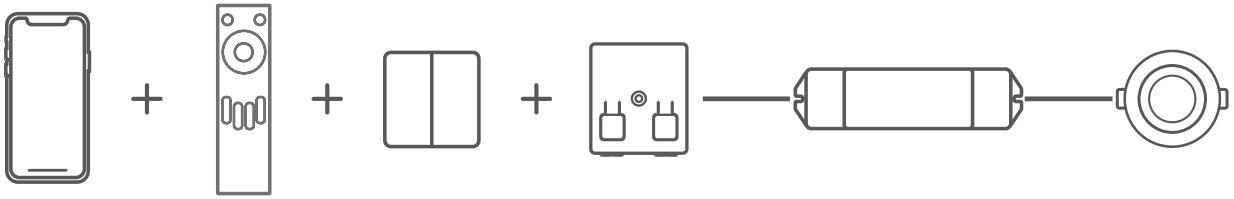
Recommended Applications

1. Wireless control.



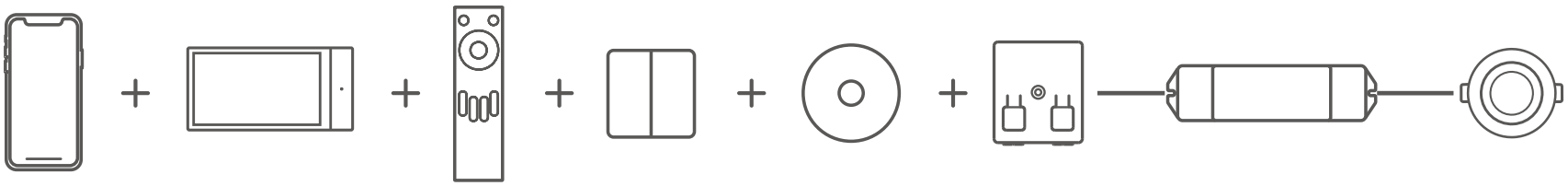
APP Smart controller DALI driver Lamp

2. Both App and remote can control the smart controller after connecting the remote to the driver via App.



APP Remote Wireless switch Smart controller DALI driver Lamp

3. Visual control + remote control of traditional panels.



APP Super Panel 6s Remote Wireless switch Home appliance module Smart controller DALI driver Lamp

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

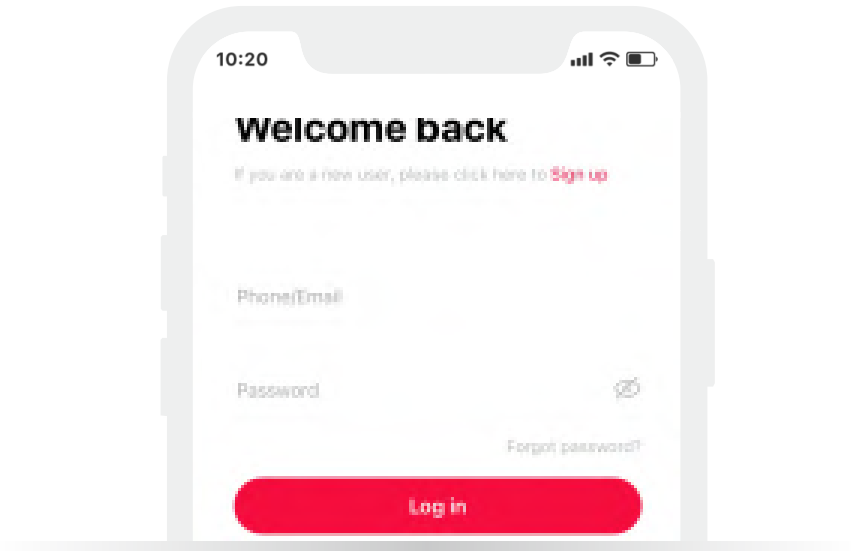
App Operating Instructions

1. Register an account

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

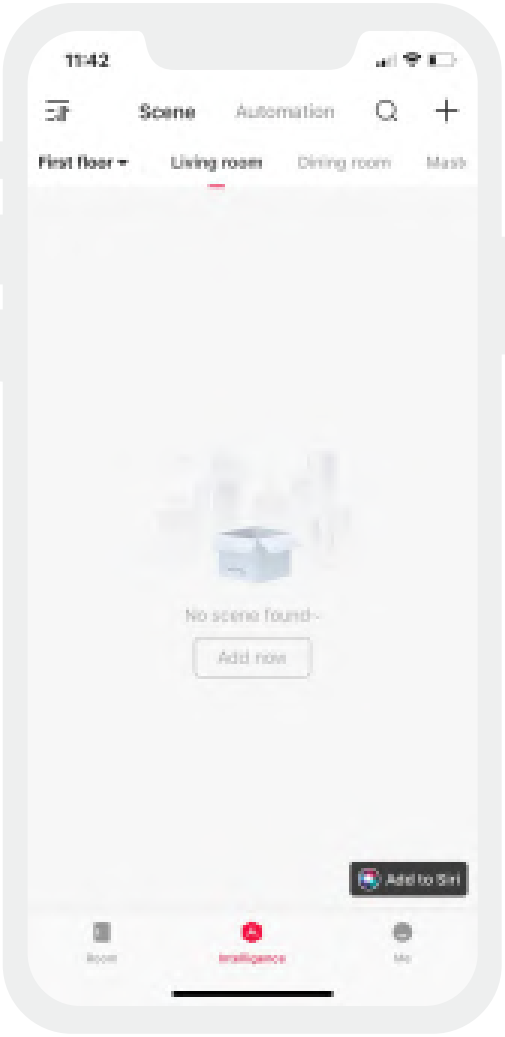
Scan and download the App

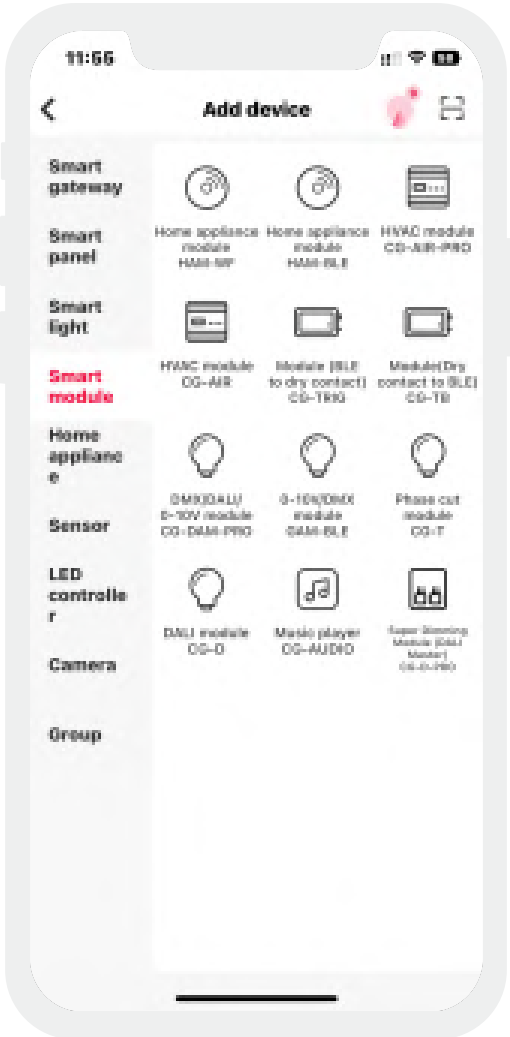
1.2 Open the App and log in or register an account.

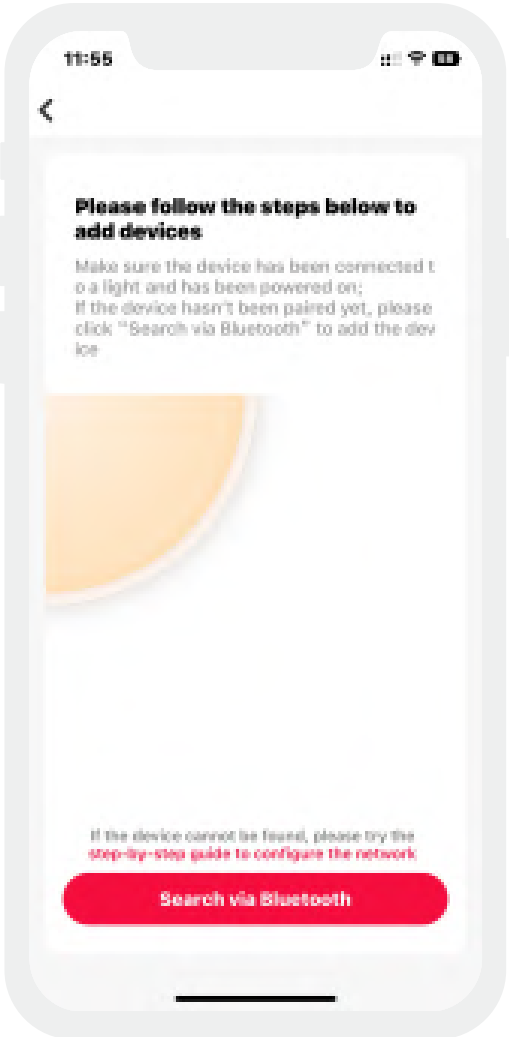


2. Pairing instructions

Create a home if you are a new user. Click“ + ”icon in the upper right corner and access the “Add device” page. Pick “Smart module” - “DALI module” from the list. Follow the prompts to connect the device to a lamp first, then power it on. Next click “Search via Bluetooth ” to add the device.

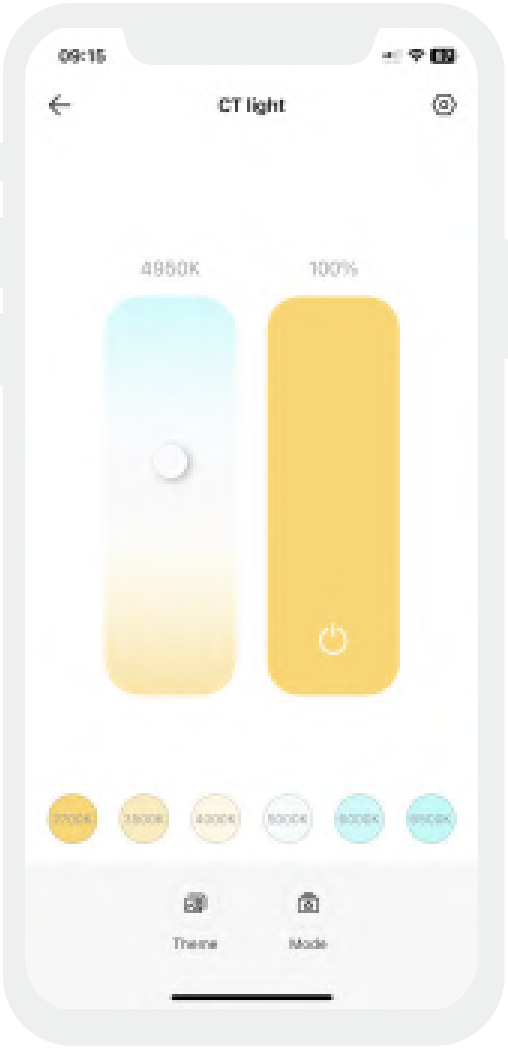


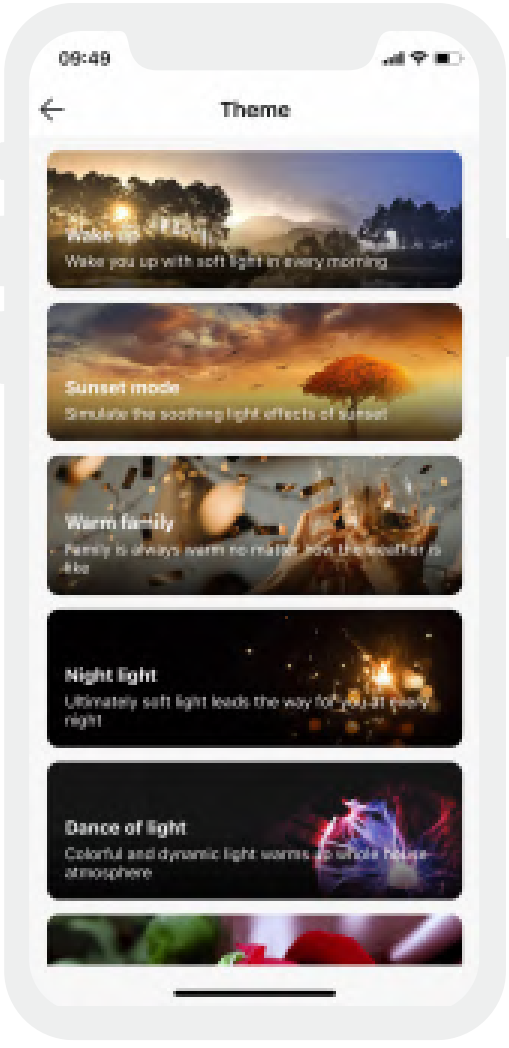


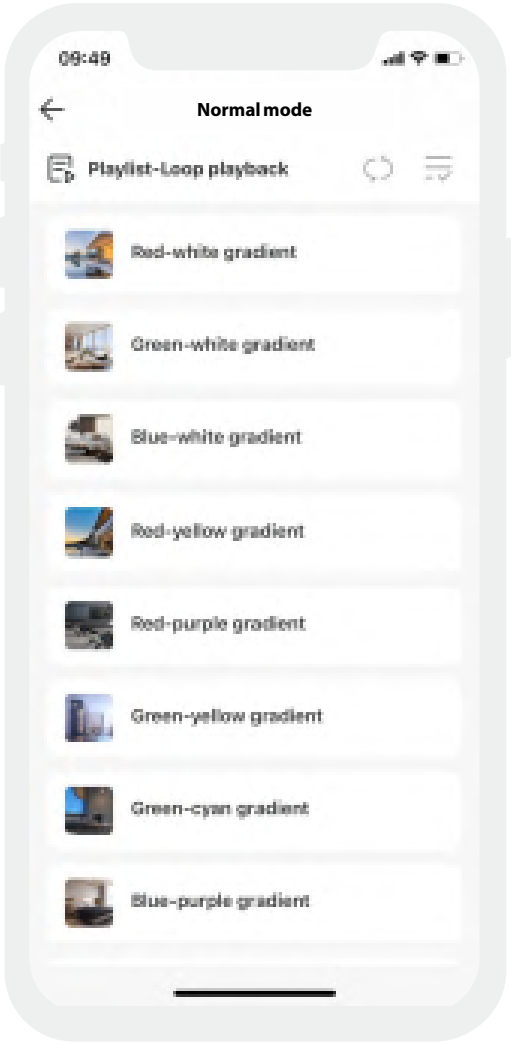


3.Control interface settings

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 to multiple theme lighting effects with one tap. Click“Mode”and the App provides you editable advanced modes.
Customize dynamic modes to put you into a more colorful life.



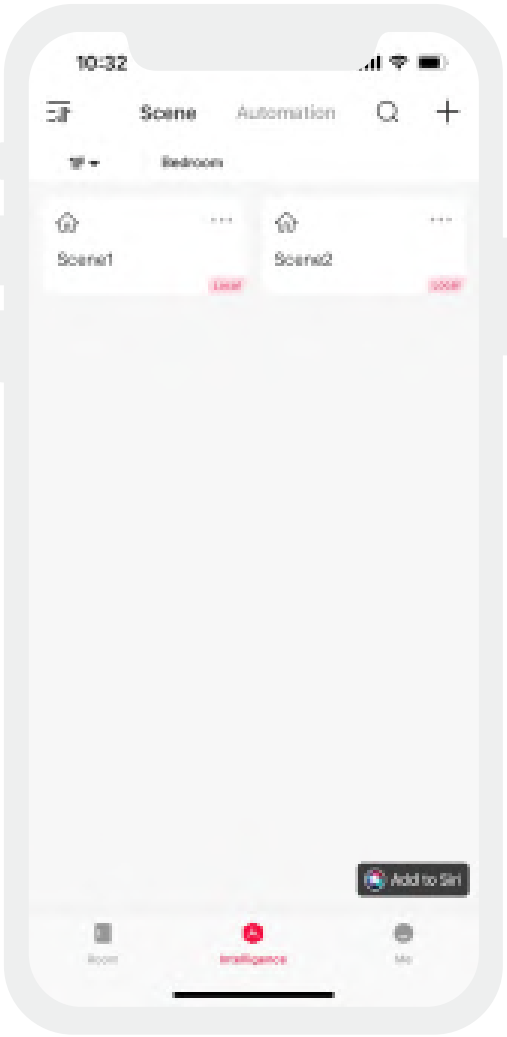


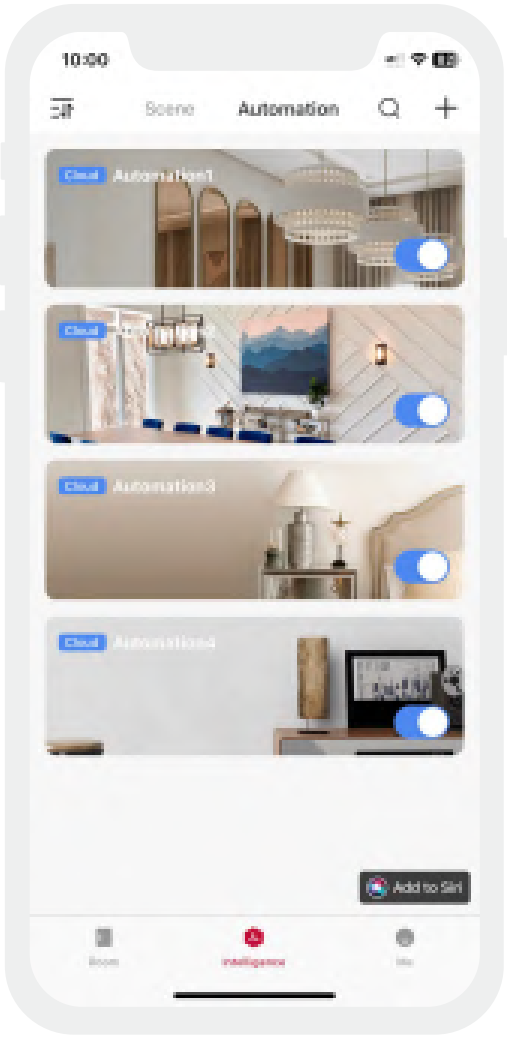


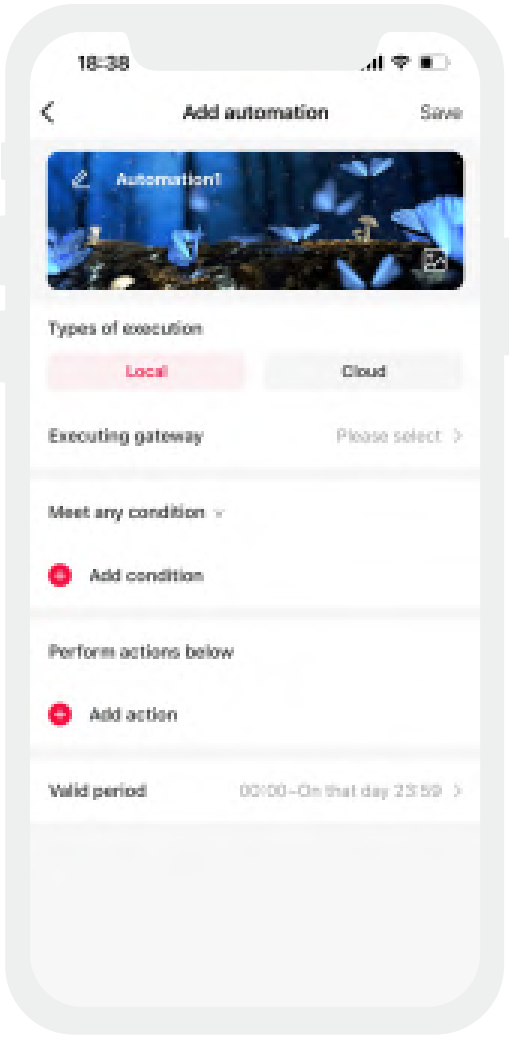
4. Advanced functions

4.1 Control the wireless module locally by linking it with a local scene.

4.2 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. Tun it off with the switch. After 10s, turn it on. After 5s, turn it off again. Repeat the same operation 6 times. When the lamp flashes 5 times, reset it 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.

* 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:
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 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.

Xiaolei

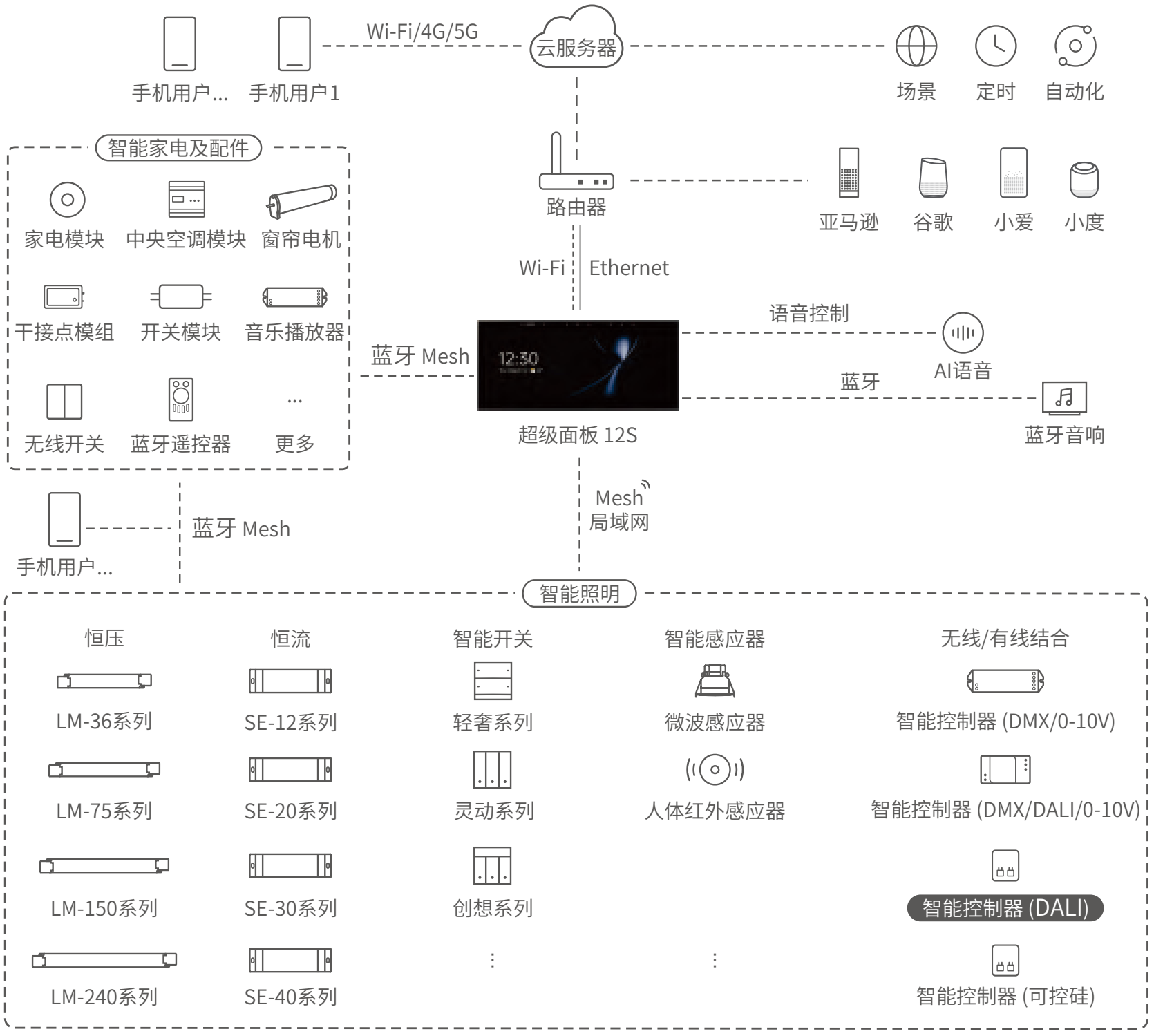
智 能 控 制 器

型号: CG-D

使 用 说 明 书

www.xiaolei.cn

系统图


手机用户...
手机用户1
Wi-Fi/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
Wi-Fi
Ethernet
蓝牙 Mesh
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
恒流
智能开关
智能感应器
无线/有线结合
LM-36系列
SE-12系列
轻奢系列
微波感应器
智能控制器 (DMX/0-10V)
LM-75系列
SE-20系列
灵动系列
人体红外感应器
智能控制器 (DMX/DALI/0-10V)
LM-150系列
SE-30系列
创想系列
智能控制器 (DALI)
LM-240系列
SE-40系列
智能控制器 (可控硅)

产品介绍

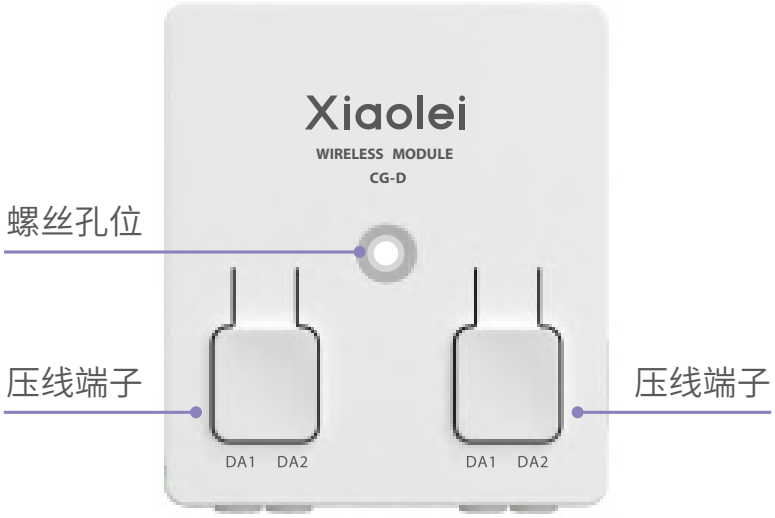
- 体积小、重量轻，外壳采用科思创/三星PC阻燃V0级原料；
- Bluetooth 5.0 SIG Mesh 通信协议，组网能力强，可靠稳定；
- 蓝牙转DALI调光协议，无线与有线结合，扩展灵活；
- DALI总线供电：12-22.5Vdc；
- 可兼容调光、色温、RGB三种类型LED调光控制输出；
- 支持IOS和安卓智能设备蓝牙直连控制；
- 支持在线升级功能，具有超低功耗功能，可连续断上电恢复出厂设置；
- 可设置缓启动渐变时间、通电后灯光状态等，赋予灯光设计高端品质；
- 支持本地场景，去网关，断网可控，更快更稳定；
- 可搭配智能网关实现丰富的云场景、云自动化、本地自动化控制方式。

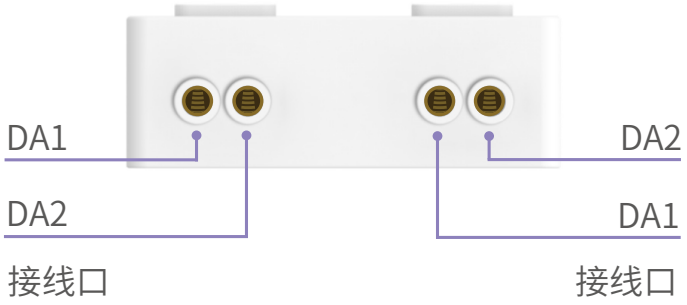
技术参数

型号	CG-D
无线类型	Bluetooth 5.0 SIG Mesh
输出信号	DALI
输入电压	12-22.5Vdc
工作温度	-20°C~55°C
产品尺寸	L52×W59×H20(mm)
包装尺寸	L86×W86×H25(mm)
重量(毛重)	40g

Bluetooth® FC CE RoHS

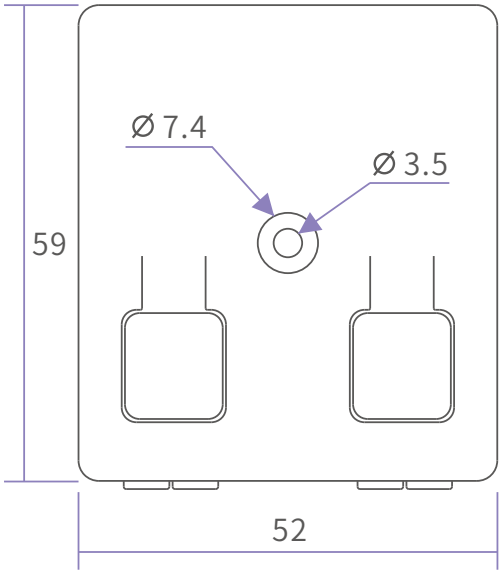
产品图示

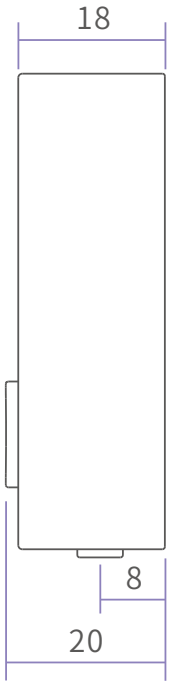


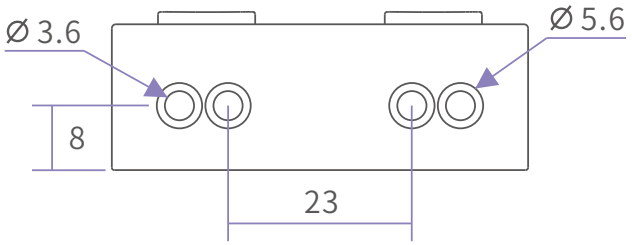


产品尺寸

单位：mm

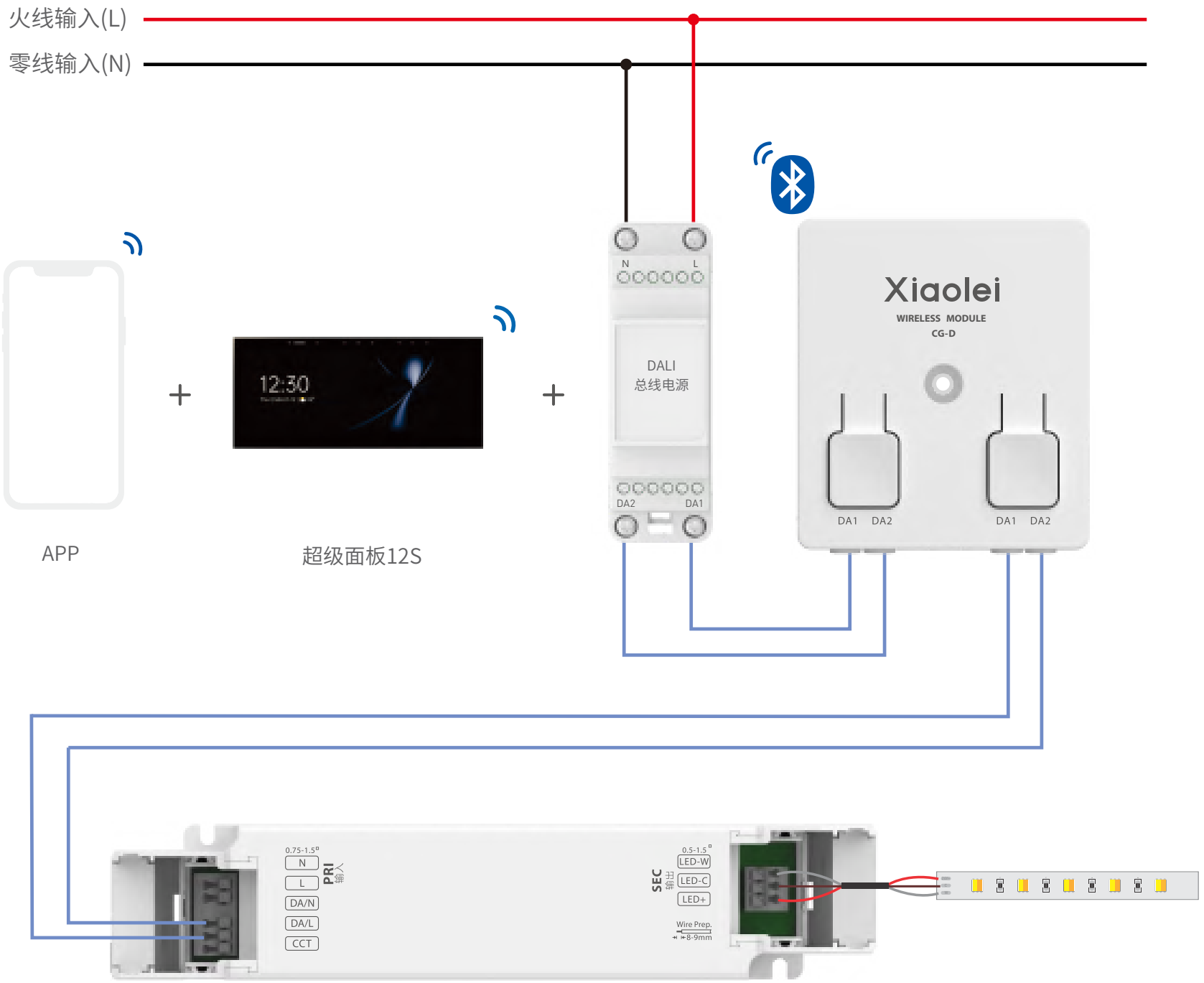




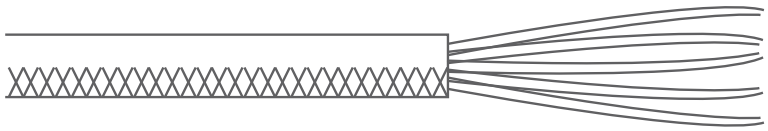


连线图

APP+超级面板12S+DALI总线电源+智能控制器+DALI驱动器



线材要求



细多股导线
多股线会有毛刺，倒刺。导致拆线卡住，致使按钮用力过度导致端子损坏

细多股导线加焊锡
焊锡会有毛刺，倒刺。导致拆线卡住，致使按钮用力过度导致端子损坏

单股导线
线径：0.5-0.75□(AWG 20-18)
剥线长度：6 - 8mm

细多股导线，搭配带绝缘保护套的冷压接头，
建议使用万可品牌
型号：216-241 标识套管, 线径：0.5□(AWG 20)
型号：216-242 标识套管, 线径：0.75□(AWG 18)
剥线长度：6 - 8mm

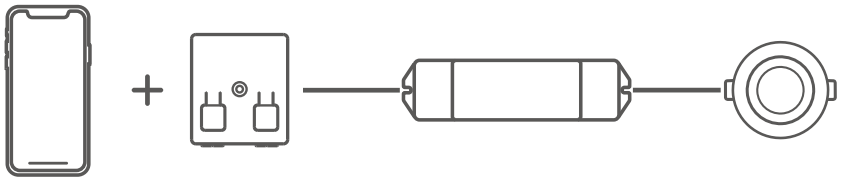
接线方式

接线：在断开电源的情况下，将导线平行于接线口，插入相应的端子，直到锁紧即可。
拆线：在断开电源的情况下，按住顶部按钮，将导线轻轻拔出。

注意事项：
1.请严格按照线材要求进行接线，否则线径过大容易损坏端子；
2.按压时，注意力度适中并保持垂直向下。

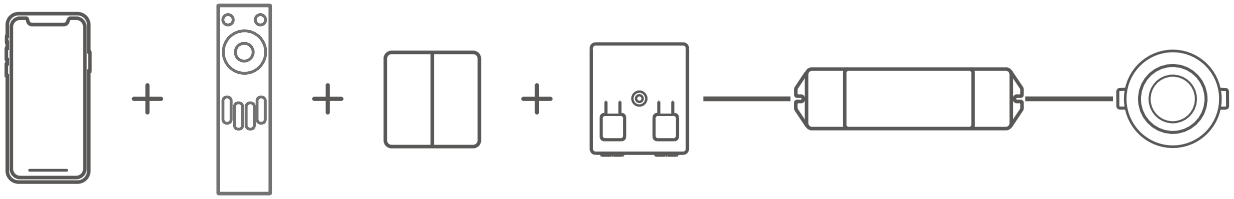
应用组合

1.无线控制灯具。



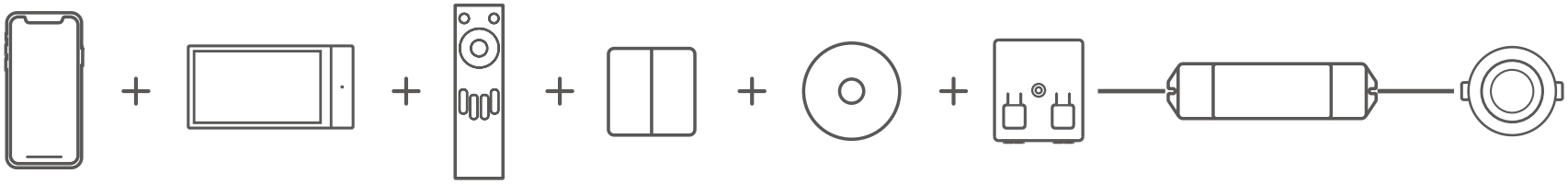
APP　　智能控制器　　DALI驱动器　　灯

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。



APP　　遥控器　　无线开关　　智能控制器　　DALI驱动器　　灯

3. 可视化控制+传统调光面板遥控控制。



APP　　超级面板6S　　遥控器　　无线开关　　家电模块　　智能控制器　　DALI驱动器　　灯

4. ...智能控制，更多应用搭配等您来设置。

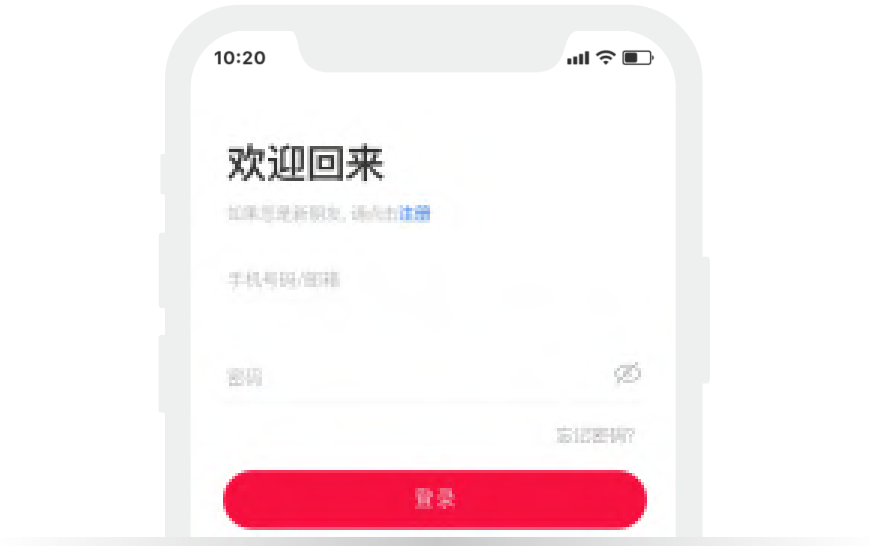
APP操作说明

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。

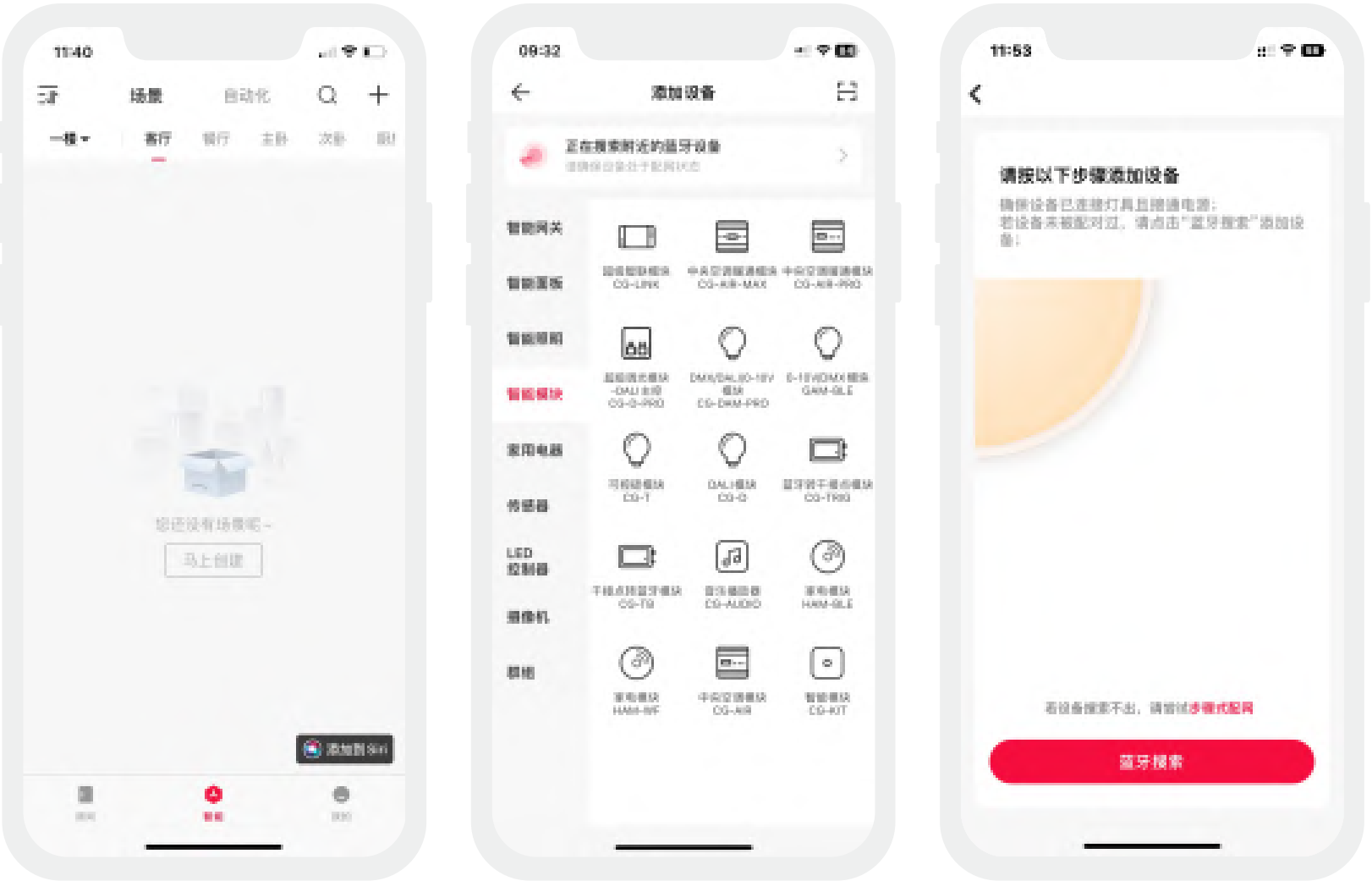
扫码下载APP

1.2 打开APP进行登录/注册操作。



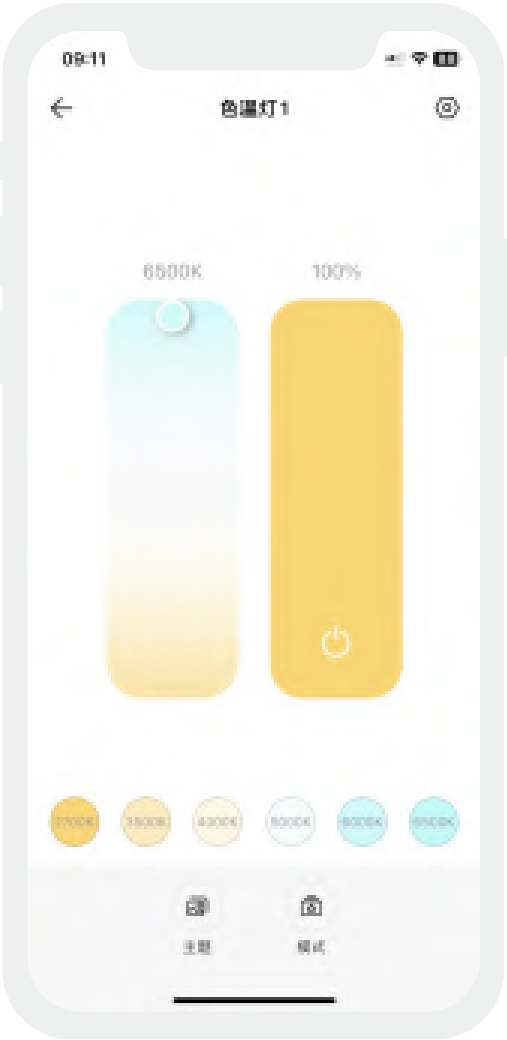
2. 配对操作

新用户创建家庭后，点击右上角“+”进入添加设备列表，选择“智能模块-DALI 模块”，按照界面提示，先将设备连接灯具且接通电源，点击“蓝牙搜索”后，添加设备即可。



3. 控制界面设置

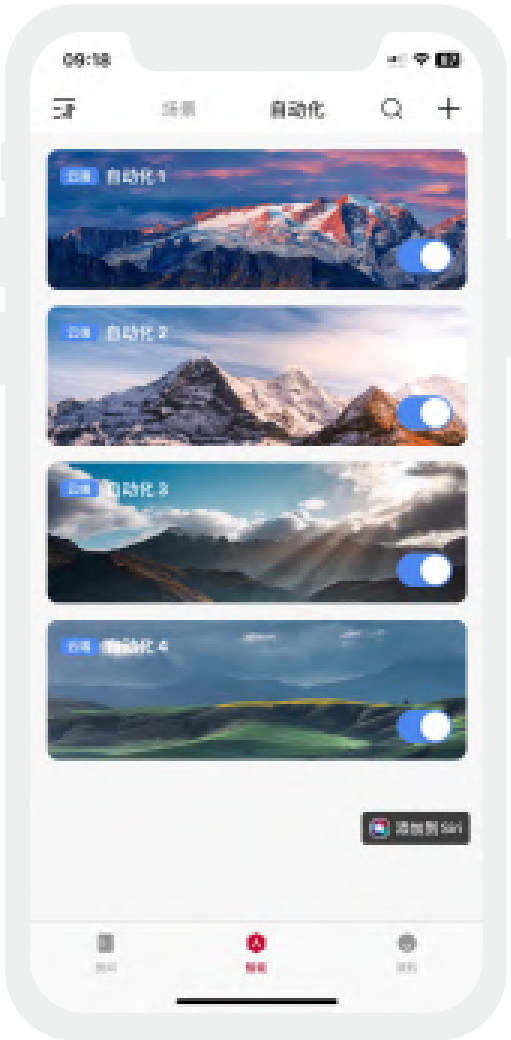
配对完成后，进入控制界面，可以通过调节颜色、色温、亮度达到想要的灯光效果。点击主题，进入主题界面，可一键切换多种主题灯光效果。点击“模式”，具有可编辑的高级模式。自定义动态模式，让您的生活更加丰富多彩。



4. 高级功能

4.1 可通过联动本地场景，实现本地化控制；

4.2 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。具体详细请查看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

- 本产品请由具有专业资格的人员进行调试安装;
- 本产品(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,请使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。

* 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。