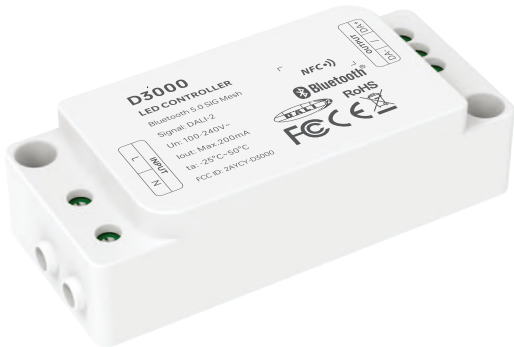


DALI Master (Smart Gateway)

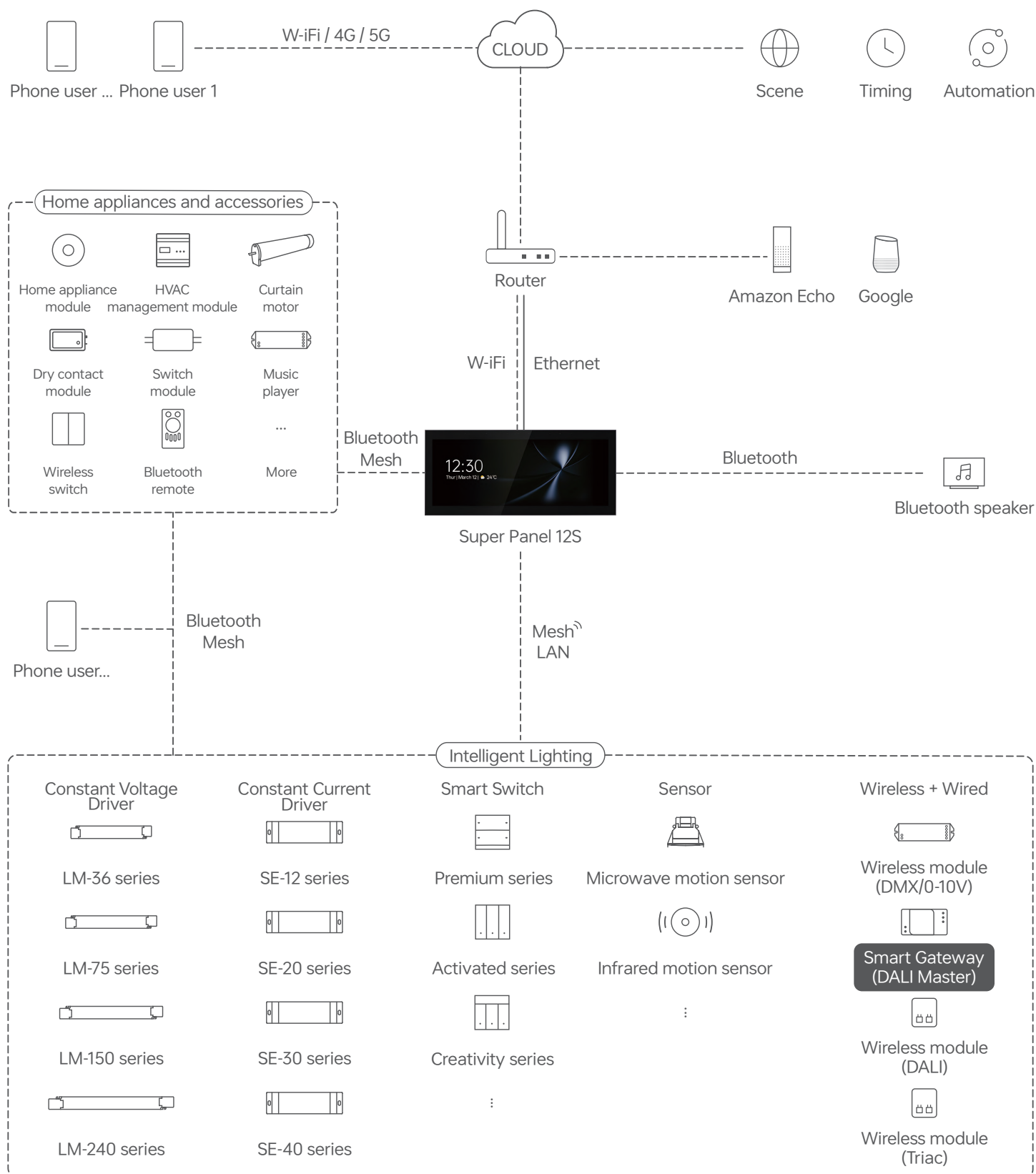
- Compact size and lightweight design; the housing is made of Covestro/Samsung V0 flame-retardant PC material.
- Adopts Bluetooth 5.0 SIG Mesh protocol featuring powerful networking capability, high reliability and stable performance.
- Simplifies installation, cuts costs, and improves system stability and reliability.
- Supports independent addressing and control of up to 64 DALI-1 and DALI-2 devices, as well as configuration of 16 groups and 256 scenes.
- Compatible with device types including DT6, DT8 Tc, DT8 XY, DT8 RGBWAF and DT7.
- Equipped with a built-in 200 mA DALI bus power supply to eliminate additional wiring.
- Bluetooth to DALI-2 dimming protocol integrates wireless and wired connections for flexible expandability.
- Supports OTA remote firmware upgrade and ultra-low power consumption. Factory reset can be completed by repeated power cycling.
- Multiple dimming parameter settings are available to deliver intelligent dimming and color tuning control for high-demand lighting applications.
- Supports local scene control without a gateway; operations remain functional offline with faster response and enhanced stability.
- When paired with a master smart panel, it supports extensive cloud scenes, cloud automation and local automation logic.
- Ideal for large-scale lighting projects including villas, hotels, shopping malls and other commercial spaces.



Specification Parameters

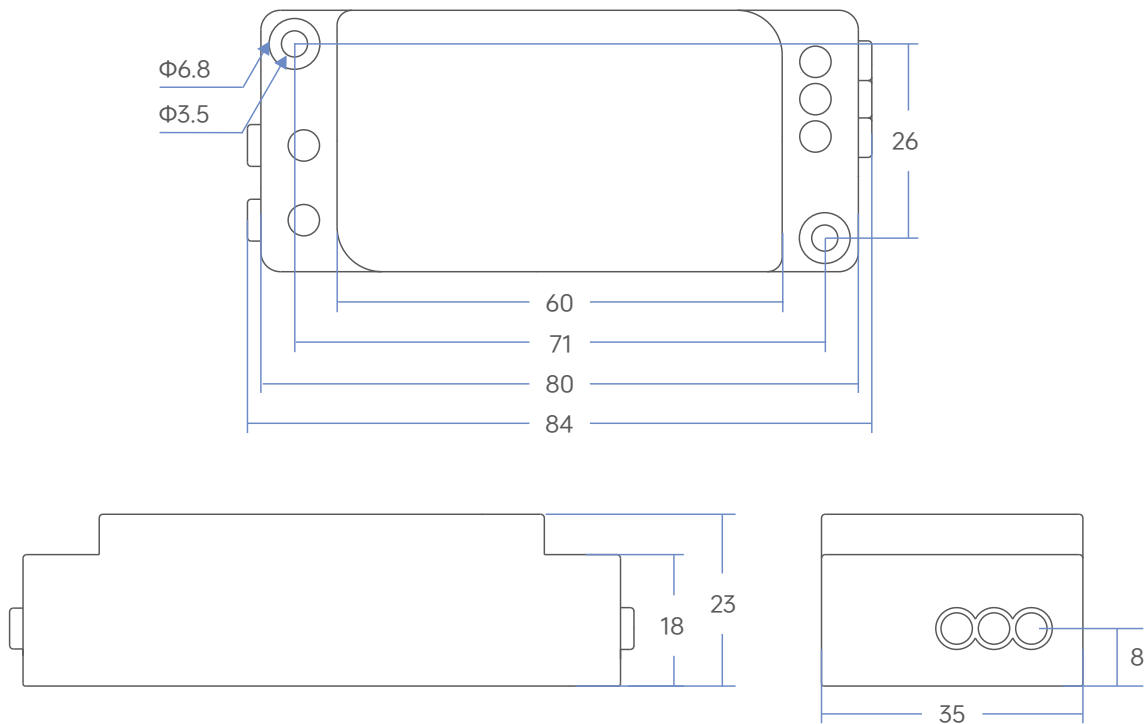
Model	D3000
Wireless Type	Bluetooth 5.0 SIG Mesh
Output Signal	DALI-2
Address	64
Number of Scenes	256 DALI Scenes, 64 Offline Local Scenes
Bus Power Supply Current	Max.200mA
Rated Parameters	100-240V~, 50/60Hz
Working Temperature	-25°C~50°C
Product Weight	30g
Dimensions	84×35×23mm(LxWxH)
Package Size	100×70×42mm(LxWxH)

Application Diagram

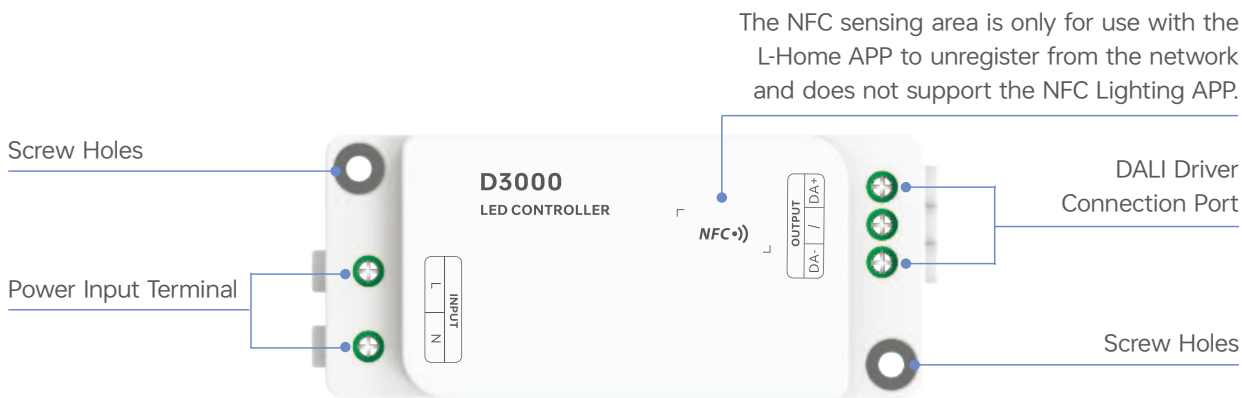


Product Size

Unit: mm

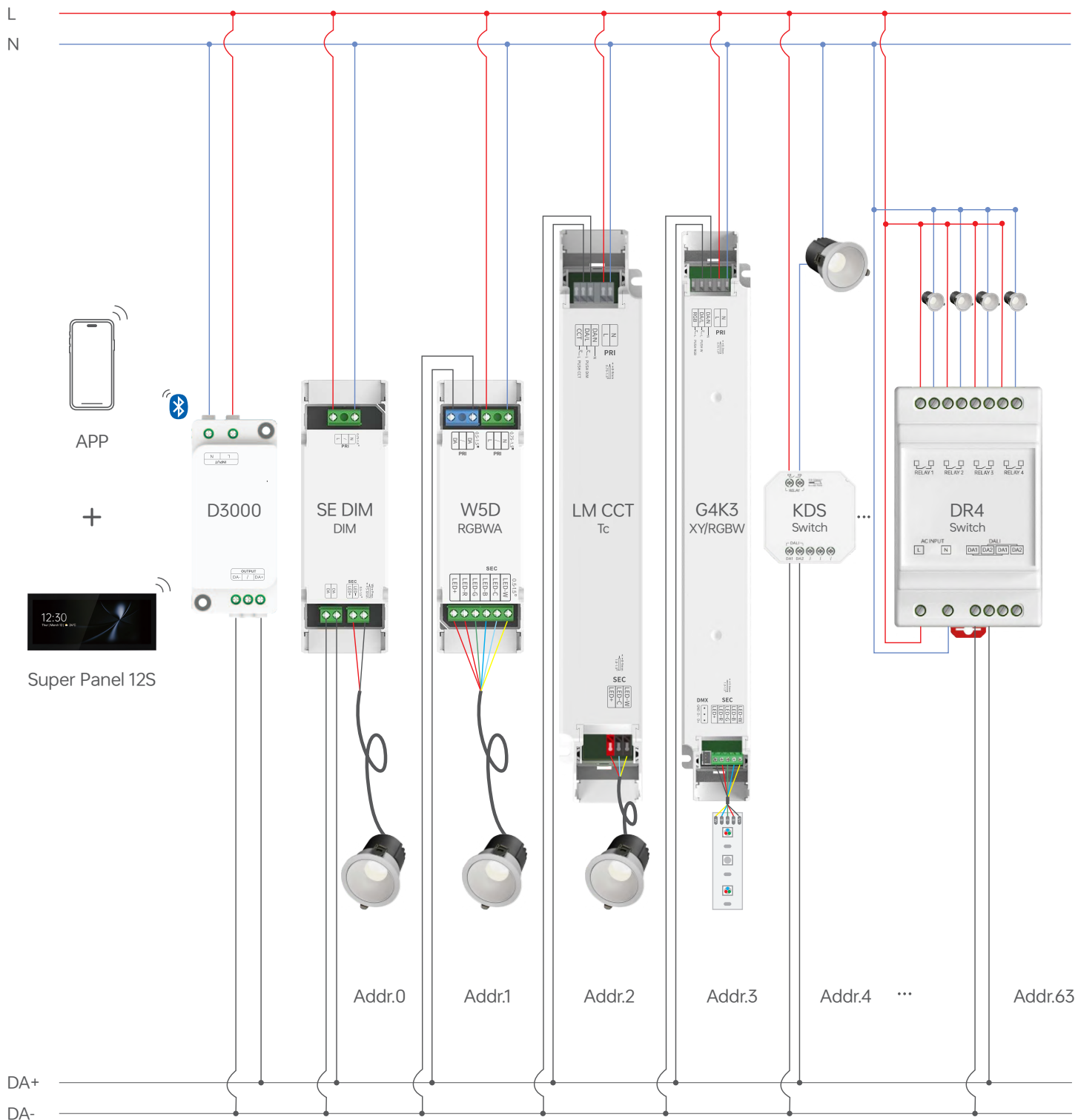


Product Structure



Wiring Diagram & Recommendations

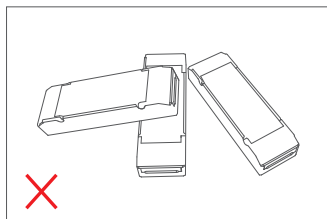
APP + Super Panel 12S + DALI Bus Power Supply + Smart Gateway + DALI Driver



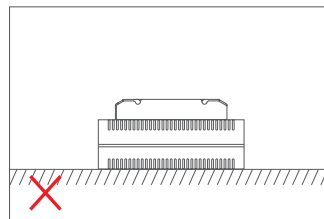
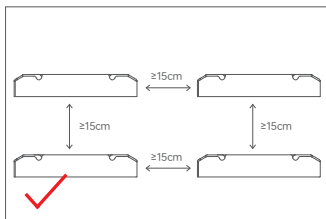
* This product has a built-in DALI bus power supply.

* To prevent signal interference and impaired performance, avoid installing wireless drivers adjacent to large metal objects or in spaces with abundant metallic materials.

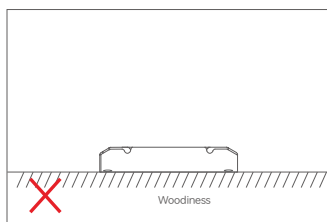
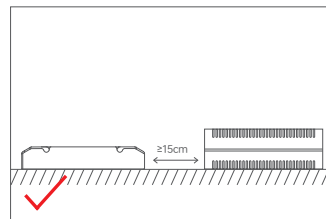
Installation Precautions



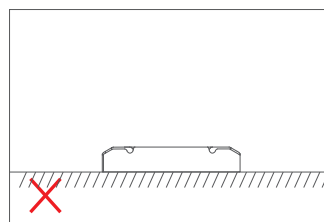
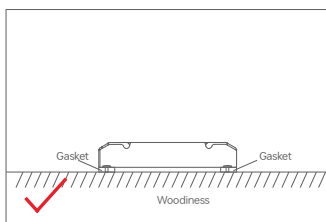
Please do not stack the products. The distance between two products should be $\geq 15\text{cm}$ so as not to affect heat dissipation and the lifespan of the products.



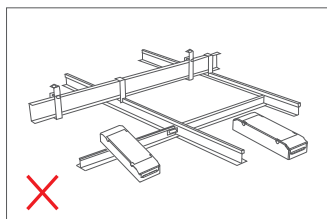
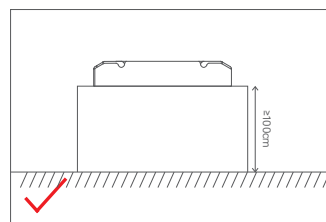
Do not place the product on top of a power supply. The distance between the product and the power supply should be $\geq 15\text{ cm}$ so as not to affect heat dissipation and the lifespan of the product.



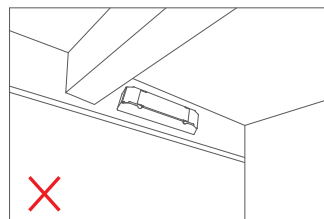
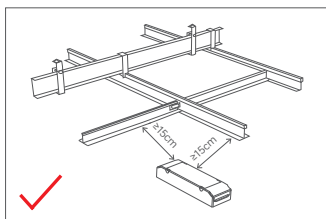
Do not fix the product tightly against the wooden board with screws. Please add a washer $\geq 7\text{ mm}$ thick under the mounting screws to leave a gap for effective heat dissipation, so as to avoid affecting the heat dissipation and service life of the product.



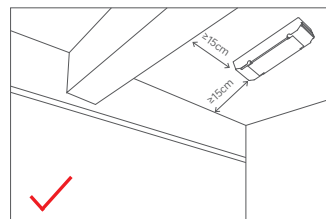
Please do not place the products on the floor. The distance between the product and the floor should be $\geq 100\text{cm}$ so as to avoid signal interference.



Do not allow the product to come into large-area contact with metal objects (e.g. keel frames). The separation distance shall be $\geq 15\text{ cm}$ to avoid signal interference affecting operation.

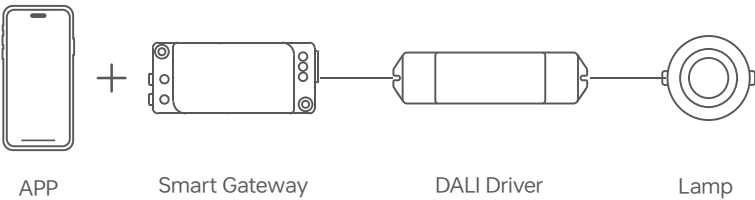


Please do not install the products on beams or near the corners. The distance between the product and the beam or the corner should be $\geq 15\text{cm}$ so as to avoid signal interference.

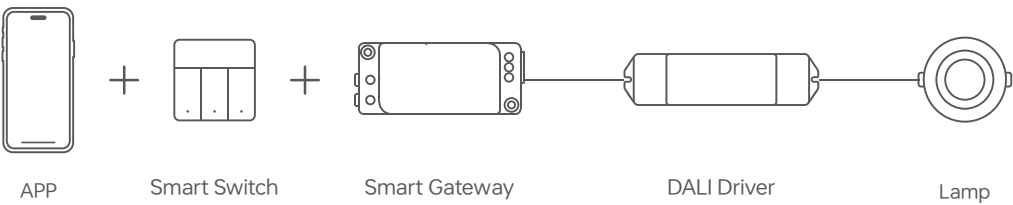


Recommended Applications

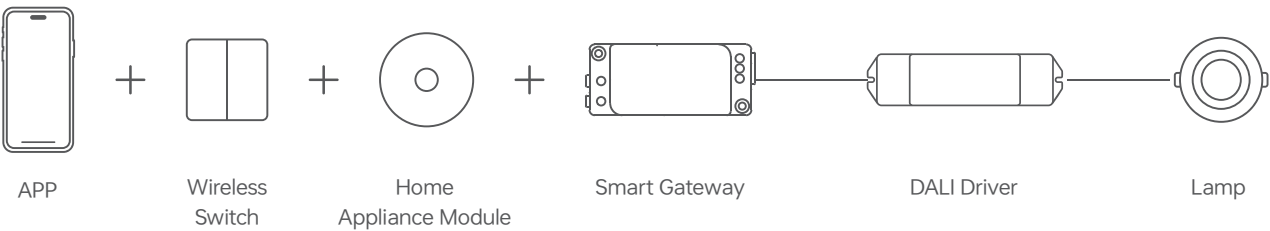
1. Wireless control of luminaires.



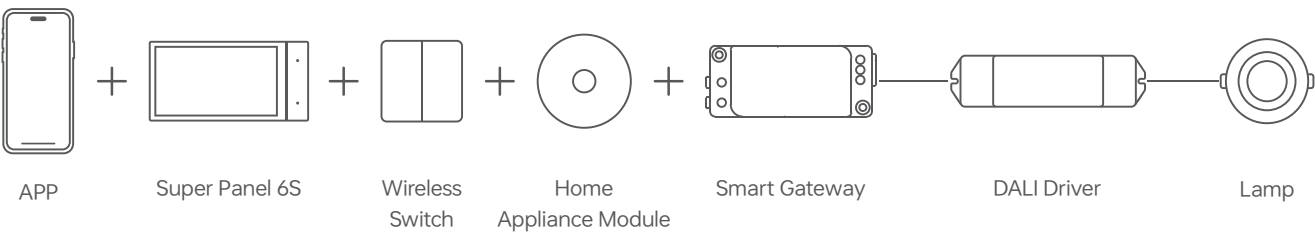
2. Remote control via visual intelligent switch panel.



3. It supports local scenarios. It can be controlled even without a gateway or when the network is disconnected.



4. Combined visual control & remote control through conventional dimming panel.



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

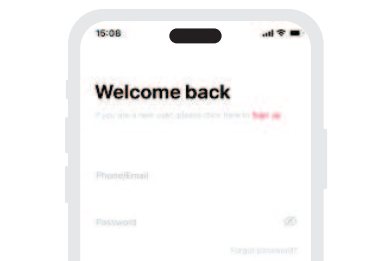
App Operating Instructions

1. Register an account

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

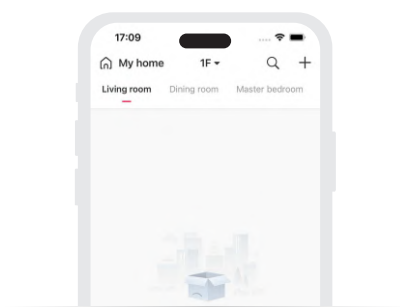


Scan and download the L-Home App

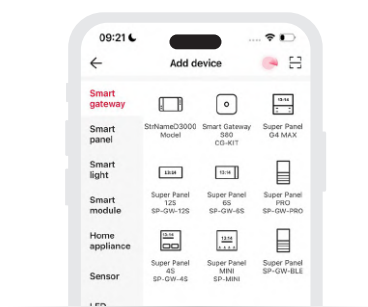


2. Pairing instructions

After new users create a home in the APP, tap the "+" icon at the top-right corner on the Rooms page to add devices. In the device addition list, select either "Smart Gateway - Smart Gateway D3000", "Smart Module - Smart Gateway D3000" or "Virtual Device - Smart Gateway D3000", then follow the on-screen prompts to finish the device adding process.



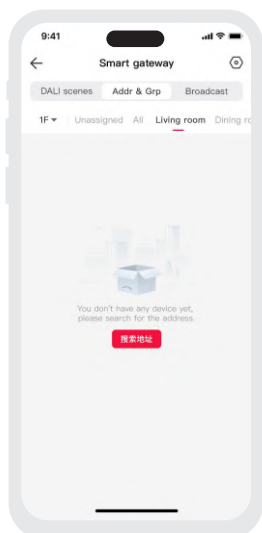
Room Page



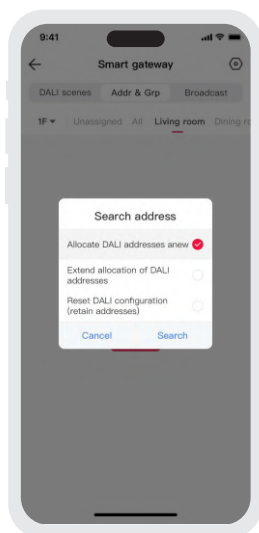
Add Device Page

3. Search DALI Addresses

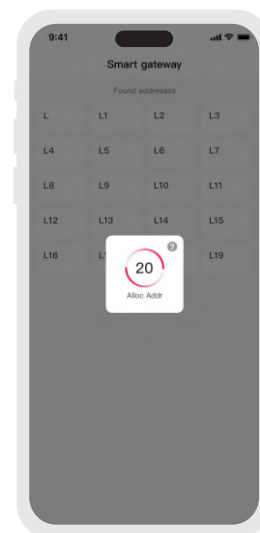
Ensure no duplicate DALI power supply addresses and complete wiring in accordance with the wiring diagram on Page 4. After powering on, tap "Search Addresses" and wait for the address search to complete successfully.



First Entry to Home Page



Address Search Pop-up Window

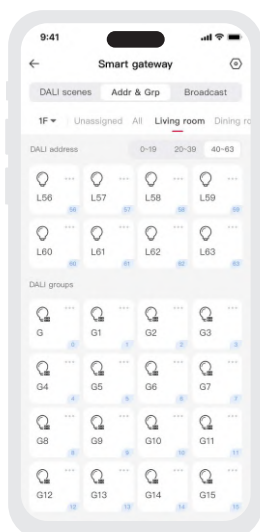


Wait for Search Completion

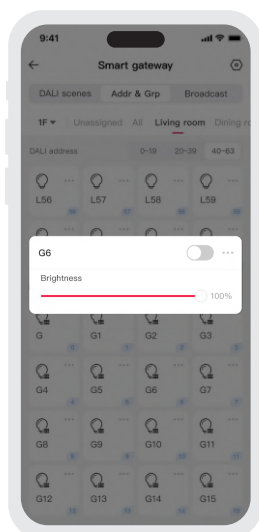
4. DALI Luminaire Control: Addr & Grp

DALI Address Control: On the **【Addr & Grp】** page, tap the luminaire card of the corresponding address to individually adjust lighting effects for addresses 0–63. The control operation is identical to that of Bluetooth luminaires.

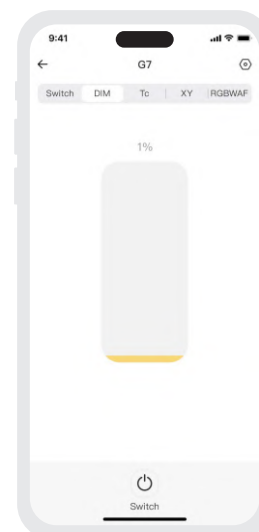
DALI Group Control: On the **【Addr & Grp】** page, tap a group card to assign luminaires (addresses 0–63) to DALI Groups 0–15 for group control. The operation is consistent with Bluetooth light groups, and DALI groups support grouping multiple types of addressable luminaires.



Addr & Grp Page



Quick Pop-up for Lighting Effects

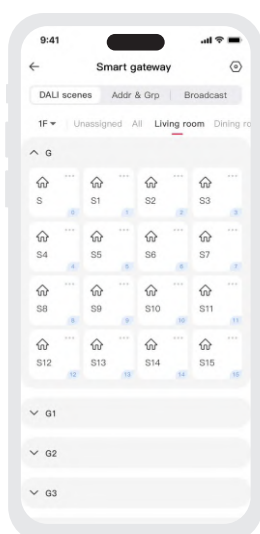


Group Home Pag

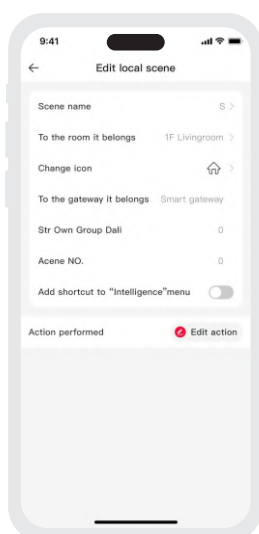
5. DALI Luminaire Control: DALI Scenes & Broadcast

DALI Scene Control: On the **【DALI Scenes】** page, add up to 64 addressable luminaires and 16 DALI groups as actions for DALI Scenes 0–255 to realize scene control. After saving, tap "Edit Actions" on the settings page, then long-press the target luminaire or DALI group to quickly modify actions.

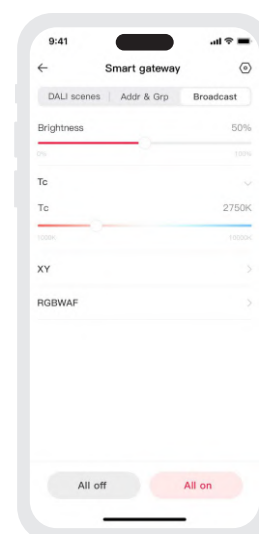
Broadcast Control: On the **【Broadcast】** page, you can turn all luminaires fully on/off, adjust brightness, and tune color parameters including Tc, XY and RGBWAF.



DALI Scene Page DALI



Edit DALI Scene Page

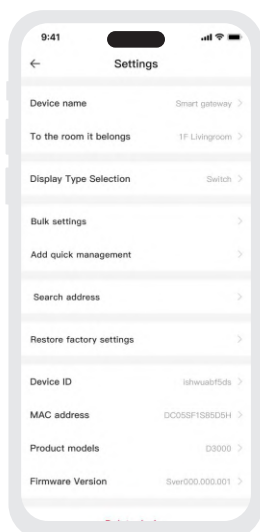


Broadcast Page

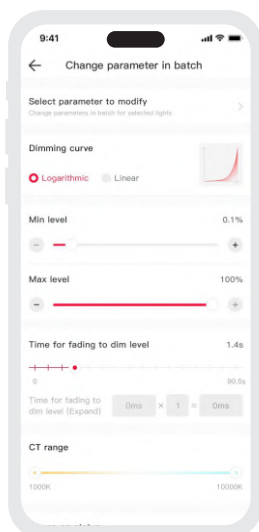
6. Batch Settings for DALI Addressable Luminaires

Batch Parameter Configuration: Tap the "⊞" icon at the top-right corner of **【Smart Gateway】** homepage, then select "Batch Settings". Select single or multiple luminaires and choose "Modify Parameters" or "Modify Room" to batch edit lighting parameters or the assigned room of selected DALI luminaires.

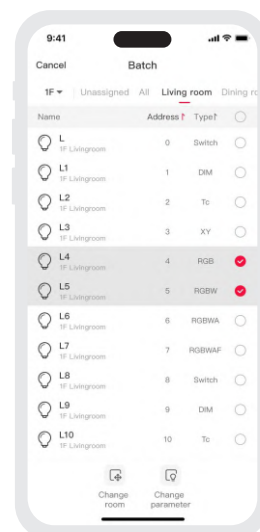
Batch Quick Access Management: Tap the "⊞" icon at the top-right corner of **【Smart Gateway】** homepage, enter the settings page and tap "Add Quick Access". Select target DALI addresses, groups or scenes to batch add or remove corresponding quick access shortcuts.



D3000 Settings Page



Batch Parameter Modification Page

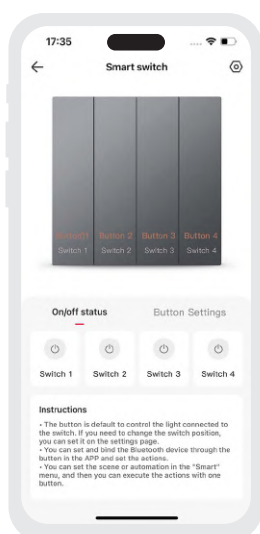


Add Quick Management Page

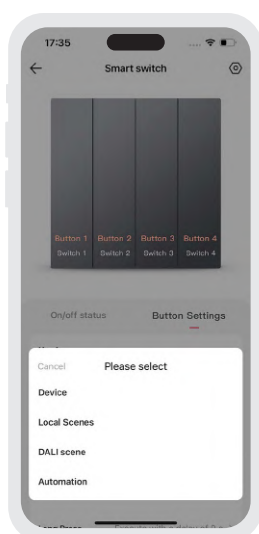
7. Panel Device Binding

Switch to the Rooms page and tap the pre-added smart switch to enter **【Control】** page.

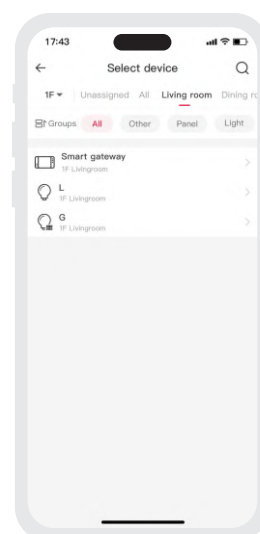
Long-press the target button on the page, or switch to "Button Settings". Select **【Device】** as the binding target, choose the corresponding action, and tap Save to complete binding.



Smart Switch Page



Switch Binding Pop-up Window

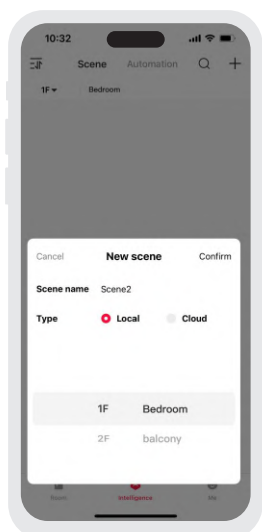


Device Selection Page for Binding

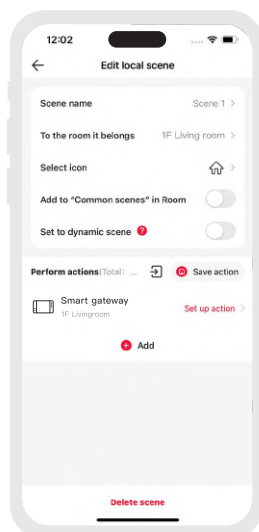
8. Local scene

Switch to the “Intelligence” interface, click 【 + 】 in the upper right corner to create a local scene. After setting the execution action, you can achieve local linkage with Bluetooth devices.

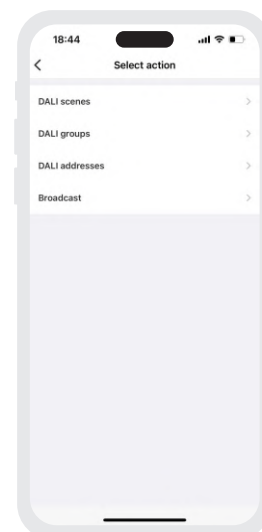
* When you edit the action for a local scene and a shortcut has been added to the DALI scene / group / addressable light , the editing steps will be shortened.



New Scene Pop-up Window



Edit Local Scene Page



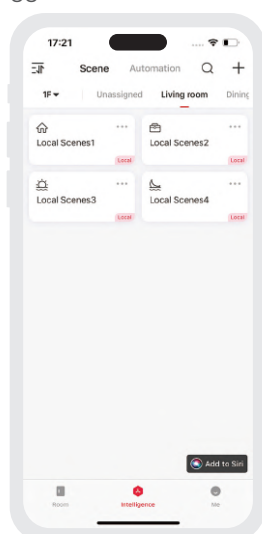
D3000 Action Settings Page

9. Cloud scene and automation

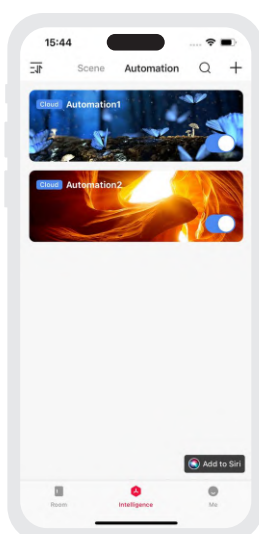
Make sure a smart gateway has been added to your home, such as Super Panel 12S.

Cloud scene: Switch to the “Intelligence” interface and click 【 + 】 to create a cloud scene. After setting the execution action, remote linkage can be achieved.

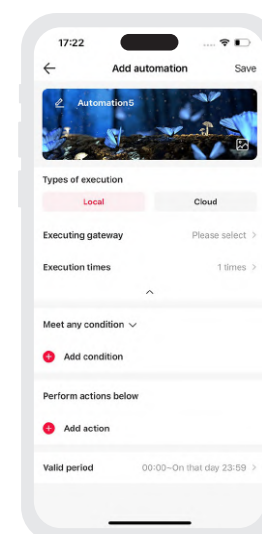
Click 【Automation】 in the “Intelligence” interface and click 【 + 】 to create automation. You can choose the local or cloud execution mode, and set trigger conditions and execution actions. When the trigger conditions you set are met, a series of device actions will be automatically triggered to achieve remote linkage.



Scene Page



Automation Page

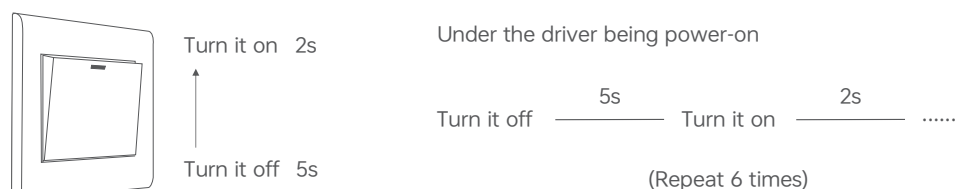


Add Automation Page

Restore To Factory Settings

Method 1:

Make sure the driver is well-connected to a lamp and the lamp is on, turn it off with the switch and after 5s turn it on. After 2s, turn it off again. Repeat the same operation 6 times. When the lamp flashes 5 times and the buzzer emits a continuous long tone, the device has been successfully restored to factory defaults.



Method 2:

First, make sure that the device is properly powered on and in an online state. Then, open the L - Home APP, find the device, and enter its settings page. Click the "Delete Device" button (see Figure 1). When the system prompts "Deletion successful", it means that the device has been successfully restored to its factory settings.

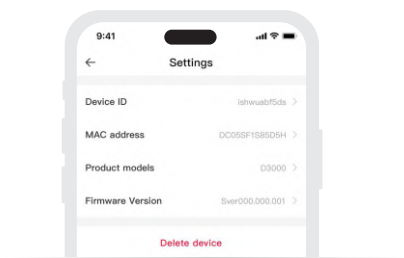


Figure 1

Method 3:

Make sure the device is powered off in advance. Launch the L-Home APP, find the device and access its settings page, tap Restore Factory Settings (see Figure 2), then bring your mobile phone close to the NFC sensing area of the device (see Figure 3). When the system shows "Factory Settings Restored", the reset process is completed successfully.

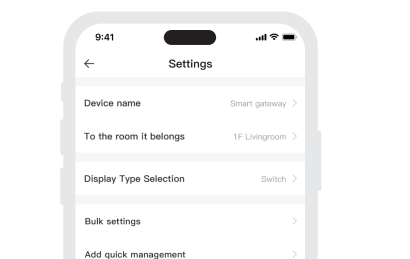


Figure 2

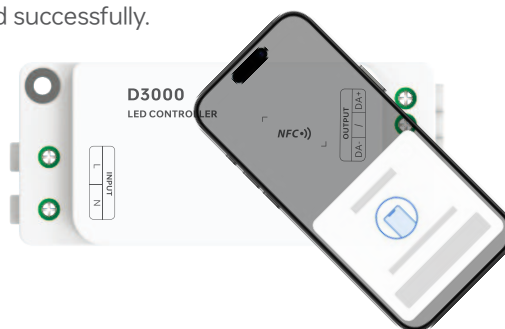


Figure 3

FAQs

1. What to do if the network configuration fails?

- ① Ensure that the device is powered on normally.
- ② Confirm that the device being added has not been added by another account. If it has been added, please manually restore the factory settings.
- ③ Ensure that the mobile phone and the device are as close as possible, preferably within 15 meters.
- ④ If the device has been forcibly deleted, please manually restore the factory settings and then add the device again.

2. How to remotely control the device?

When paired with our company's Smart gateway, the device can be remotely controlled via 4G/5G/WiFi on a mobile phone.

RF exposure statement

This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Warning

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.

NOTE 2: Any 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.

Attentions

- Product installation and commissioning should be done by a qualified professional.
- 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.
- 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 manufacture: 5 years.
- Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

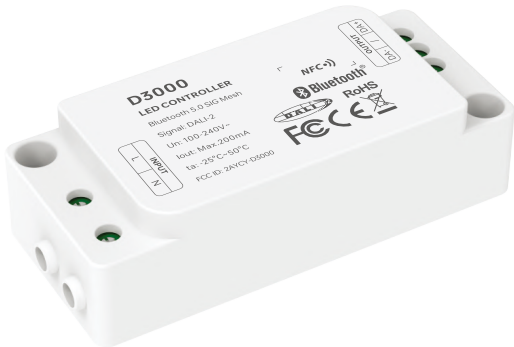
Following conditions are not within the guarantee range of free repairing or replacement services:

- 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 or invoice signed by our company .

1. Repair or replacement provided is the only remedy for customers. Our company is not liable for any incidental or consequential damage unless it is within the law .
2. Our company has the right to amend or adjust the terms of this warranty. The warranty that issues in writting shall prevail.

DALI主控(智能网关)

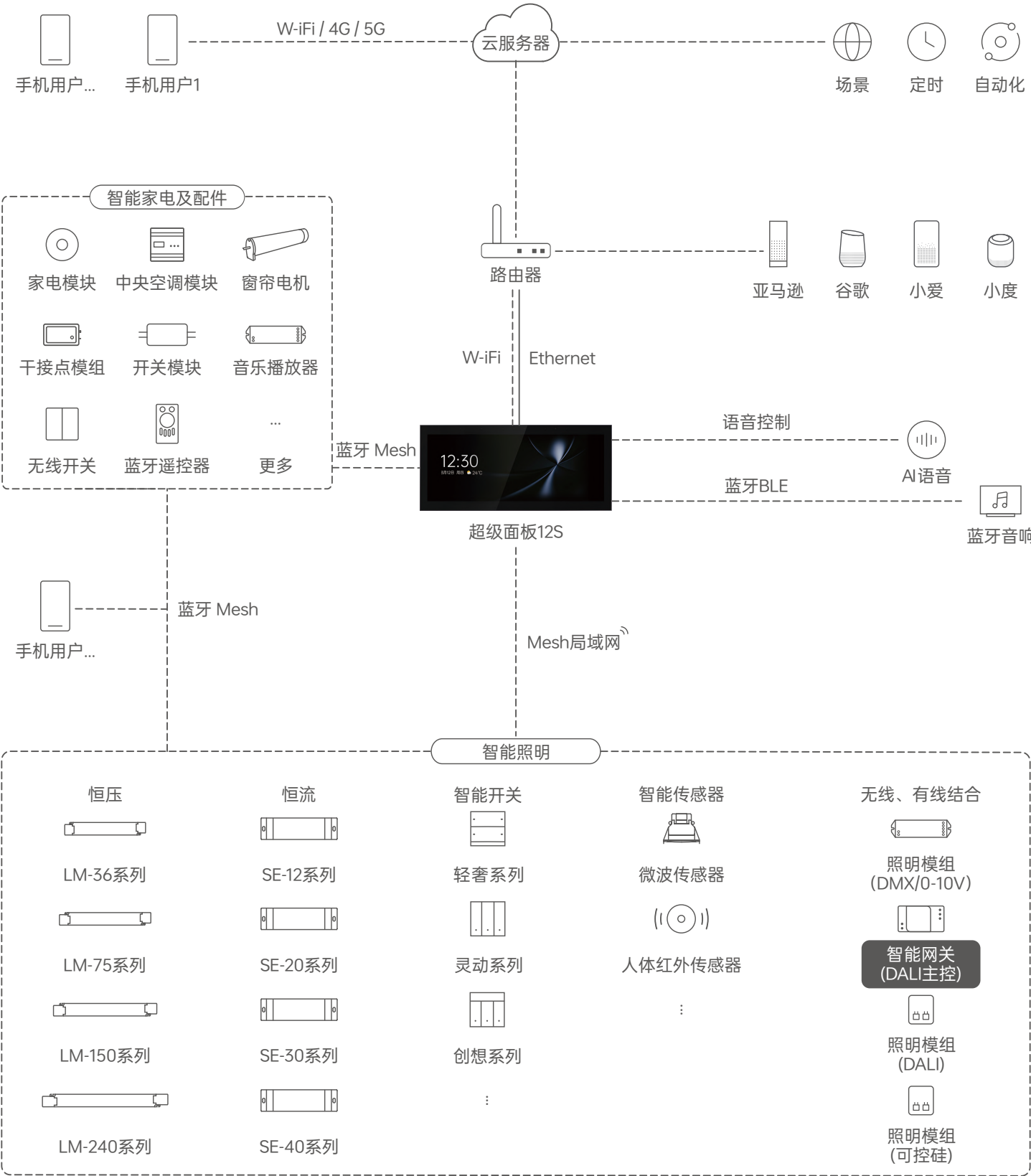
- 体积小、重量轻，外壳采用科思创/三星PC阻燃V0级原料；
- Bluetooth 5.0 SIG Mesh 通信协议，组网能力强，可靠稳定；
- 简化安装、降低成本、提升系统稳定性与可靠性；
- 可对64个（DALI-1 和 DALI-2）设备进行独立寻址并控制、16个群组及256个场景配置；
- 支持 DT6、DT8 Tc、DT8 XY、DT8 RGBWAF、DT7设备类型；
- 内置200mA总线电源，无需额外布线；
- 蓝牙转DALI-2调光协议，无线与有线结合，扩展灵活；
- 支持OTA在线升级功能，具有超低功耗功能，可连续断上电恢复出厂设置；
- 提供多项调光参数设置，满足高要求调光场合的智能化调光调色控制；
- 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

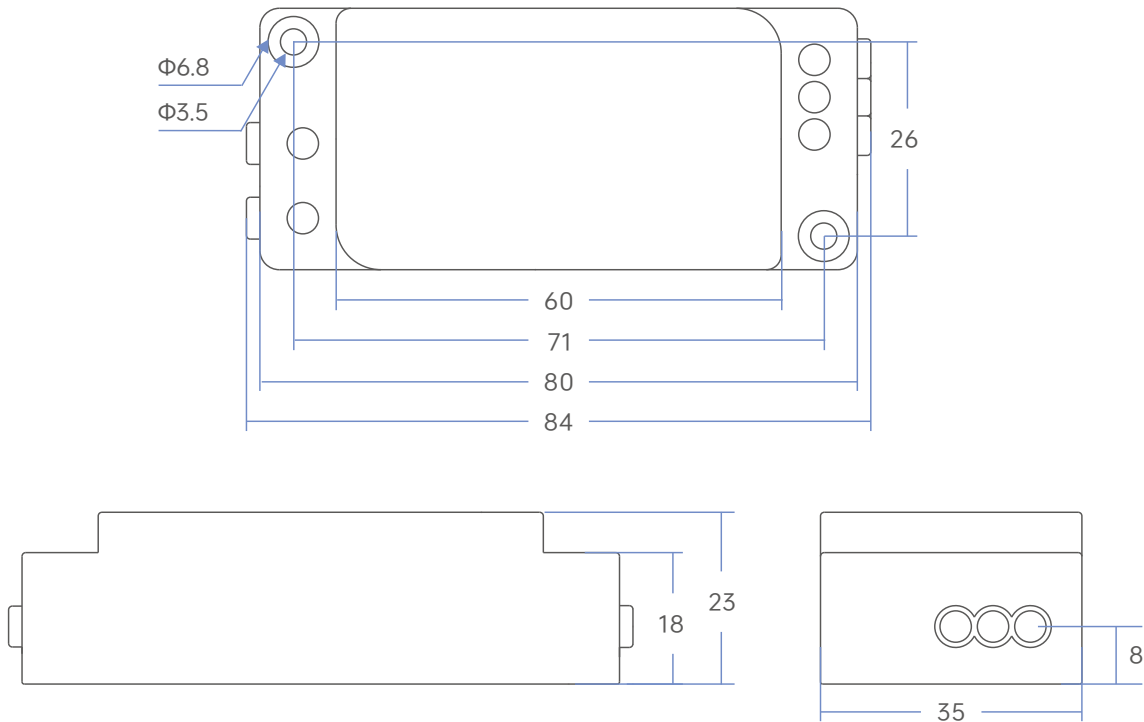
型号	D3000
无线类型	Bluetooth 5.0 SIG Mesh
输出信号	DALI-2
地址	64
场景数量	DALI场景256个， 蓝牙本地场景64个
总线电源电流	Max.200mA
额定参数	100-240V~, 50/60Hz
工作温度	-25℃~50℃
产品重量	30g
产品尺寸	84×35×23mm(LxWxH)
包装尺寸	100×70×42mm(LxWxH)

系统图

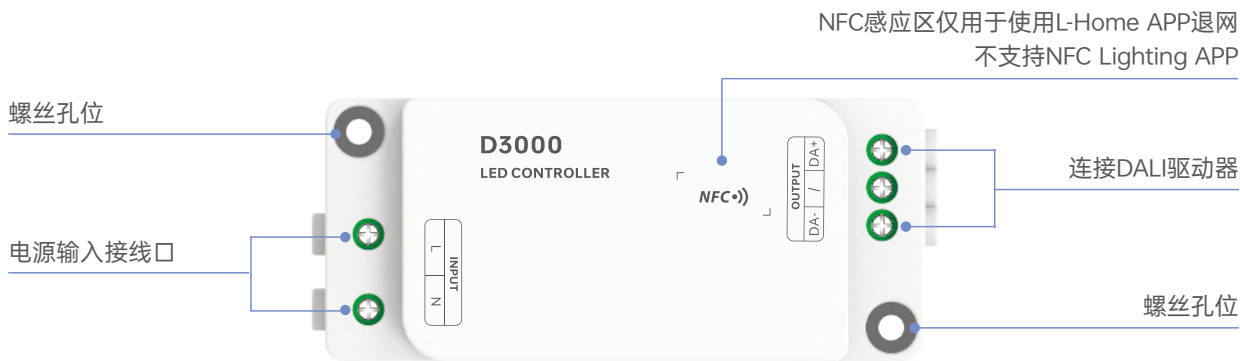


产品尺寸

单位：mm

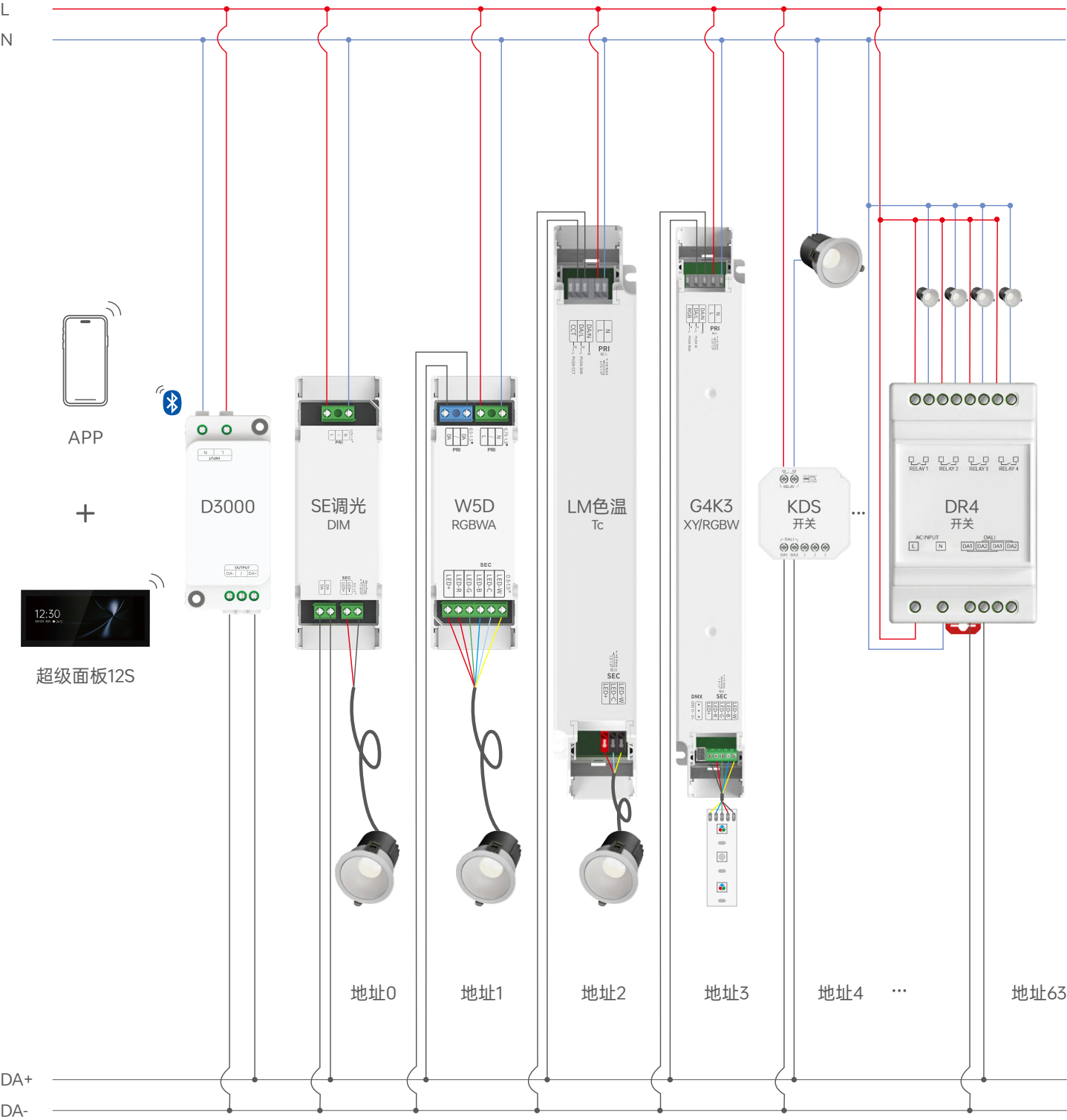


产品结构



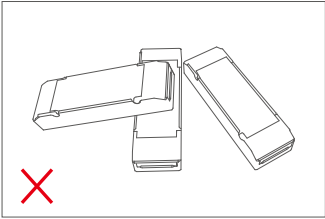
接线图及建议

APP + 超级面板12S+ DALI总线电源 + 智能网关 + DALI驱动器

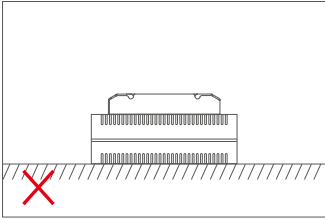
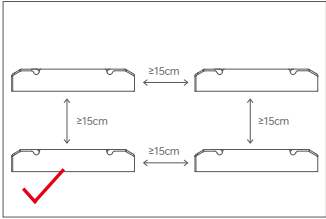


* 本产品内置DALI总线电源。
* 请尽量避免无线驱动器放置在大面积金属物体旁或在较多金属介质的空间上使用，以免信号受到干扰影响使用。

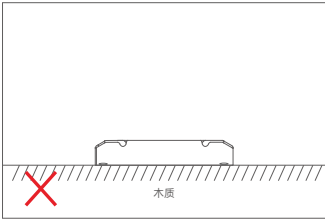
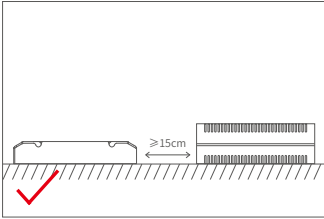
安装注意事项



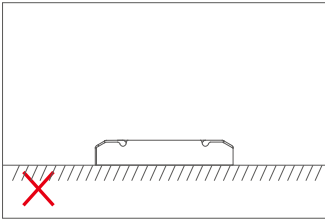
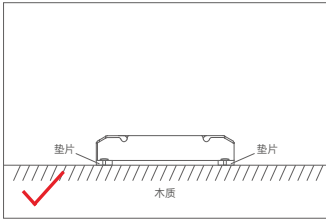
请勿将产品堆叠摆放，产品与产品间隔距离应 $\geq 15\text{cm}$ ，避免影响产品散热和使用寿命。



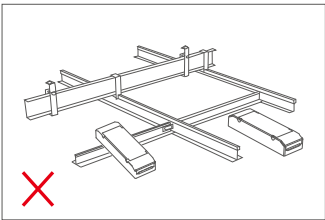
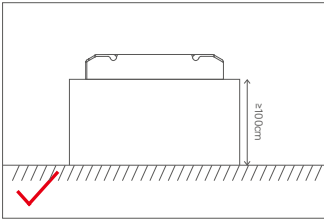
请勿将产品置于电源上方，产品与电源间隔距离应 $\geq 15\text{cm}$ ，避免影响产品散热而减少使用寿命。



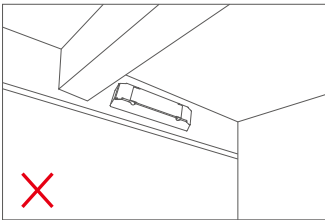
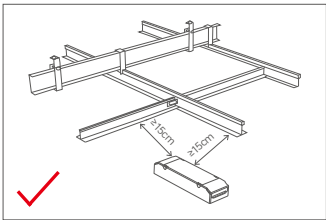
请勿将产品螺丝固定紧贴于木板，应在固定螺丝下增加 $\geq 7\text{mm}$ 的垫片，留点空隙可以有效散热，避免影响产品散热和使用寿命。



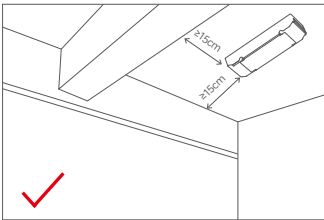
请勿将产品放置在地面上。产品与地面之间的距离应 $\geq 100\text{cm}$ ，以免信号干扰影响使用。



请勿将产品大面积接触金属物体(如：龙骨架)，间隔距离应 $\geq 15\text{cm}$ ，以免信号干扰影响使用。

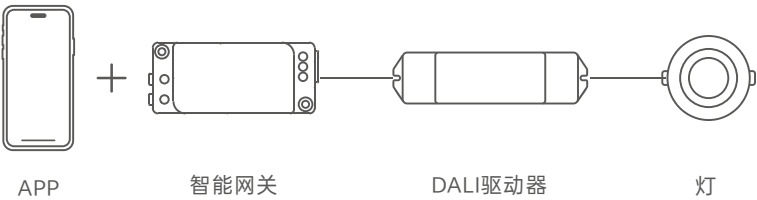


请勿将产品安装在横梁、墙角等位置，间隔距离应 $\geq 15\text{cm}$ ，以免信号干扰影响使用。

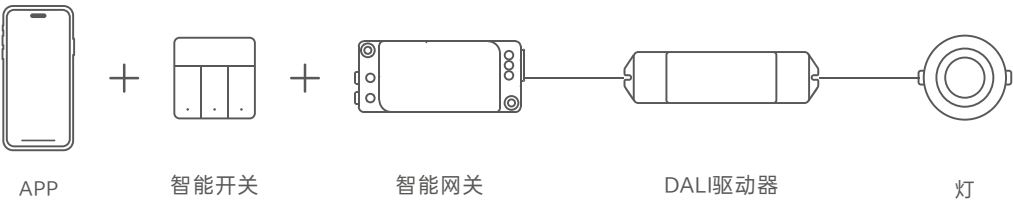


应用组合

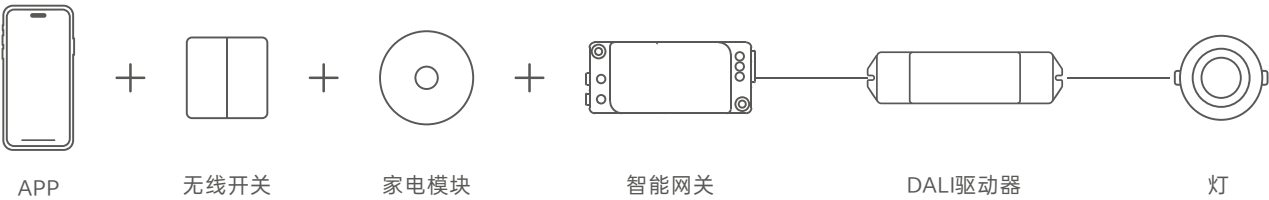
1.无线控制灯具。



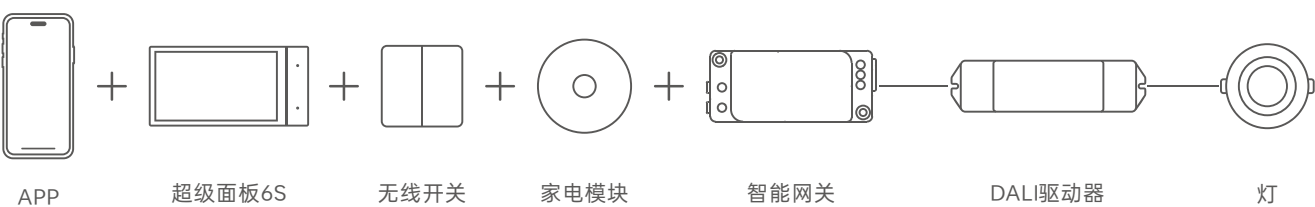
2.可视化智能开关面板遥控控制。



3. 支持本地场景，去网关，断网可控。



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。

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。

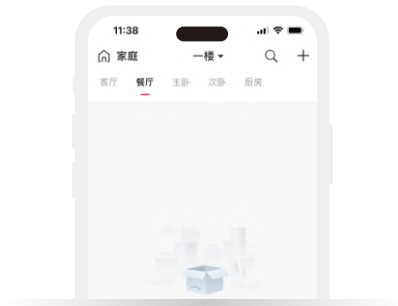


扫码下载L-Home APP



2. 配对操作

新用户 在APP上创建家庭后，在【房间】界面点击右上角“+”进行添加，在添加设备列表中选择“智能网关-智能网关D3000”或者“智能模块-智能网关D3000”或者“虚拟设备-智能网关D3000”后，按照界面提示完成添加即可。



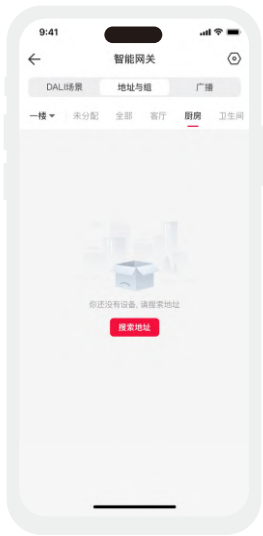
房间页



添加设备页

3. 搜索DALI地址

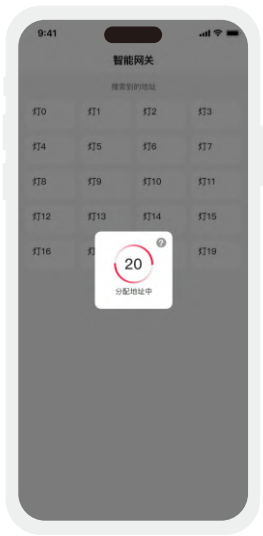
确认DALI电源地址无重复，并按照P4连线图正确连线，接通电源后，点击“搜索地址”，等待地址搜索成功即可。



首次进入主页



搜索地址弹窗

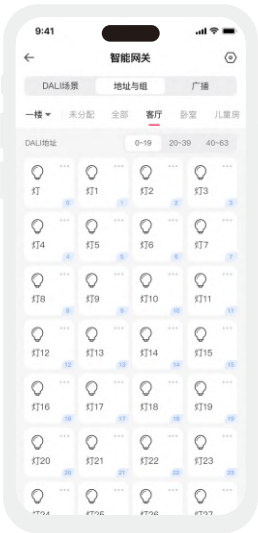


等待搜索完成

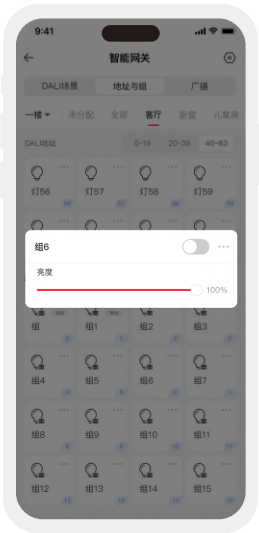
4. DALI地址灯控制：地址与组

DALI地址控制：在【地址与组】界面，点击对应地址灯卡片，单独控制0-63地址灯光效果，控制方法与蓝牙灯一致；

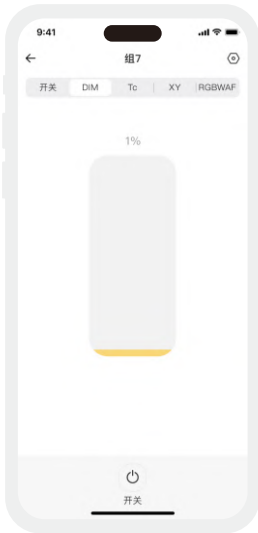
DALI群组控制：在【地址与组】界面，点击群组卡片把0-63地址灯，加入0-15号DALI群组执行群控，控制方法与蓝牙灯组一致，DALI群组支持多种类型地址灯成组。



地址与组页



灯光效果快捷弹窗



组主页

5. DALI地址灯控制：DALI场景与广播

DALI场景控制：在【DALI场景】界面把64个地址灯和16个DALI群组添加为0-255号DALI场景动作来进行场景控制，保存成功后可在设置页中点击“编辑动作”，长按对应地址灯或DALI群组即可进行快捷修改动作。

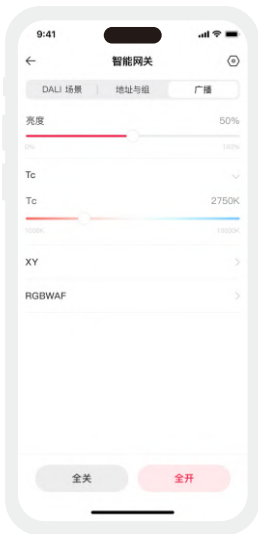
广播控制：在【广播】界面控制所有地址灯的全开、全关、亮度，以及控制Tc、XY、RGBWAF的颜色。



DALI场景页



编辑DALI场景页



广播页

6. DALI地址灯批量设置

批量设置参数：点击【智能网关】主页右上角“⊕”，点击“批量设置”，选中单/多个地址灯选择“修改参数”或“修改房间”即可批量修改地址灯光/多项DALI 灯光参数或所在房间。

批量添加快捷管理：点击【智能网关】主页右上角“⊕”，进入设置页面点击“添加快捷管理”选择需要添加/取消快捷方式的DALI地址/群组/场景，即可批量添加/取消快捷方式。



D3000设置页



批量修改参数页



添加快捷管理页

7. 面板设备绑定

切换到【房间】界面，点击已添加的智能开关进入【控制】界面。

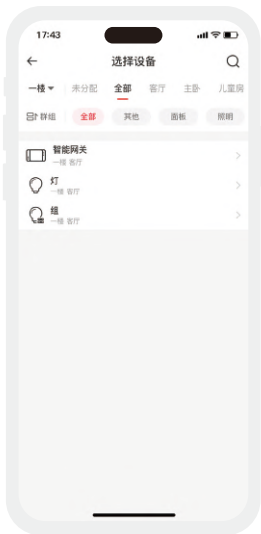
长按界面中的对应按键或切换到“按键设置”，选择绑定对象【设备】后，再选择对应动作，点击保存即可。



智能开关页



开关绑定弹窗



绑定设备选择页

8.本地场景

切换到“智能”界面，点击右上角【+】创建本地场景，设置执行动作后，即可实现蓝牙设备的本地联动。

* 编辑本地场景动作时，如果DALI场景/群组/地址已经添加了快捷方式，编辑步骤会缩短。



新建场景弹窗



编辑本地场景页



D3000设置动作页

9.云场景与自动化

确保家庭内已添加智能网关，如超级面板12S。

云场景：切换到“智能”界面，点击【+】创建云场景。设置执行动作后，即可实现远程联动。在“智能”界面中选择【自动化】，点击【+】创建自动化。可选择本地/云端执行方式，以及设置触发条件及执行动作，当满足已设置的触发条件时，自动触发一系列设备动作，实现远程联动。



场景页



自动化页

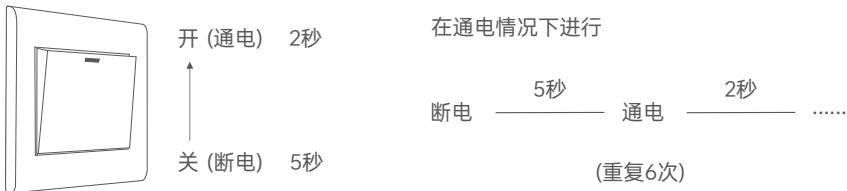


添加自动化页

恢复出厂

方法一：

确保智能网关已正确连接灯具且处于常亮状态下，使用开关让智能网关连续断通电6次(每次断电时间5秒，通电2秒)，第6次通电后，灯具闪烁5次，蜂鸣器长响即表示设备已成功恢复到出厂状态。



方法二：

需先确认设备已正确接通电源且处于在线状态。随后，打开L-Home APP，找到该设备并进入其设置页面，点击“删除设备”按钮(见图1)。当系统提示“删除成功”时，即表示设备已成功恢复到出厂状态。

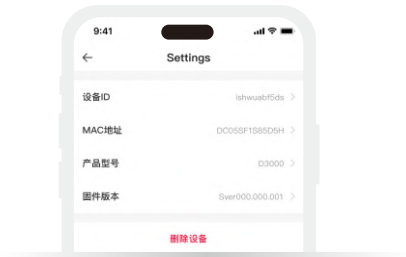


图1

方法三：

需先确认设备已断电状态，打开L-Home APP，找到该设备并进入其设置页面，点击“恢复出厂设置”(见图2)，并将手机靠近设备的NFC感应区(见图3)。当系统提示“已恢复出厂设置”时，即表示设备已成功恢复到出厂状态。



图2



图3

常见问题

1.配网失败怎么办？

- ①确保设备正常通电；
- ②需要确认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；
- ③确保手机与设备两者尽量靠近，建议不超过15米；
- 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.如何远程控制设备？

搭配本司智能网关，可通过4G/5G/WiFi手机远程控制设备。

注意事项

- 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,欢迎向我司或授权经销商咨询。

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我司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；
- 无我司签订的合同或发票凭证。

1. 修理或更换是我司对客户的最唯一补救措施。我司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. 我司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。

更新日志

版本	更改日期	更改内容	更改人
A0	20260625	正稿	钟思敏
A1	20260818	增加NFC标识点描述	钟思敏