

DALI Master (Smart Gateway)

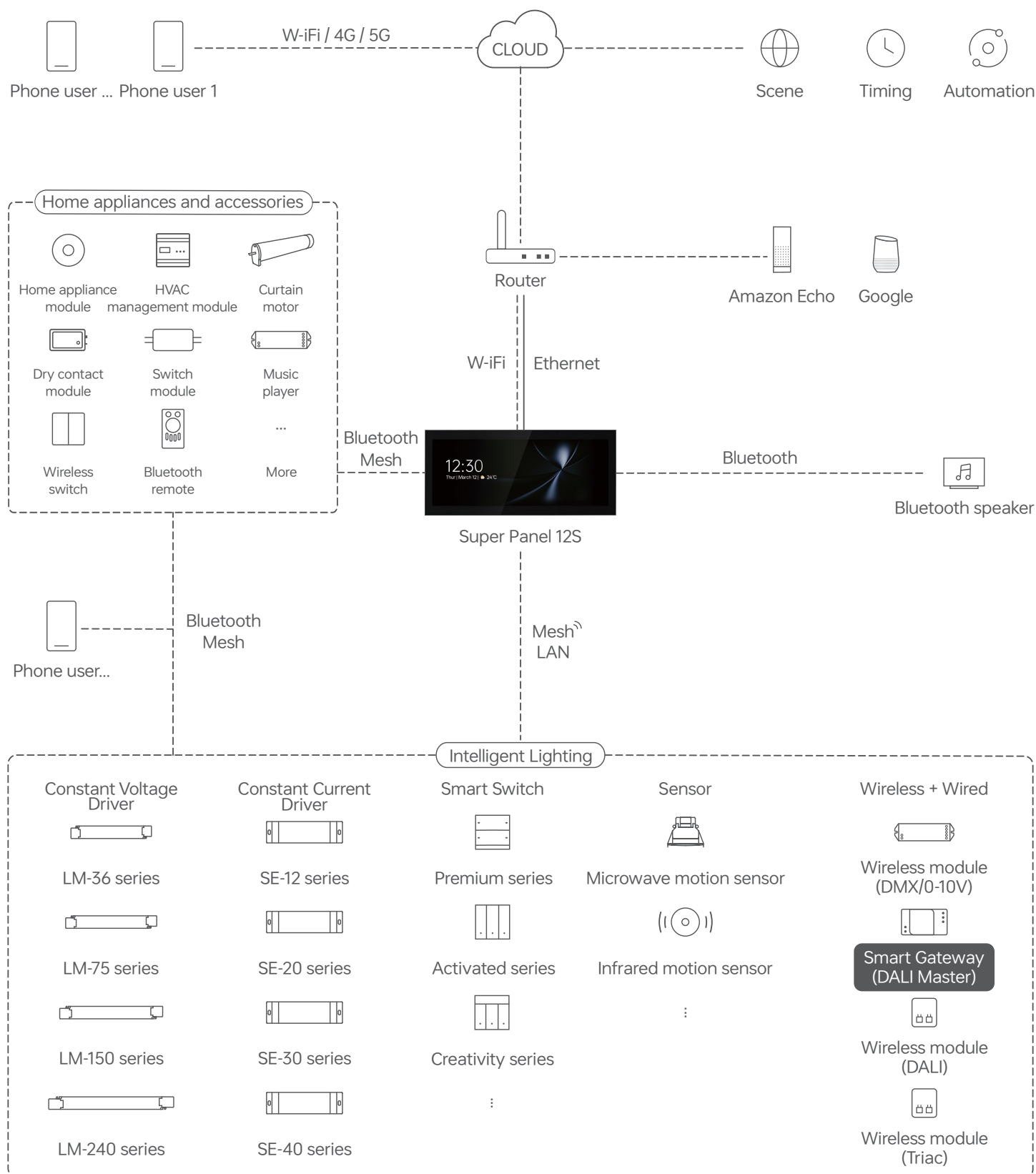
- Compact size and lightweight design; the housing is made of Covestro/Samsung V0 flame-retardant PC material.
- Adopts Bluetooth 5.0 SIG Mesh protocol featuring powerful networking capability, high reliability and stable performance.
- Simplifies installation, cuts costs, and improves system stability 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

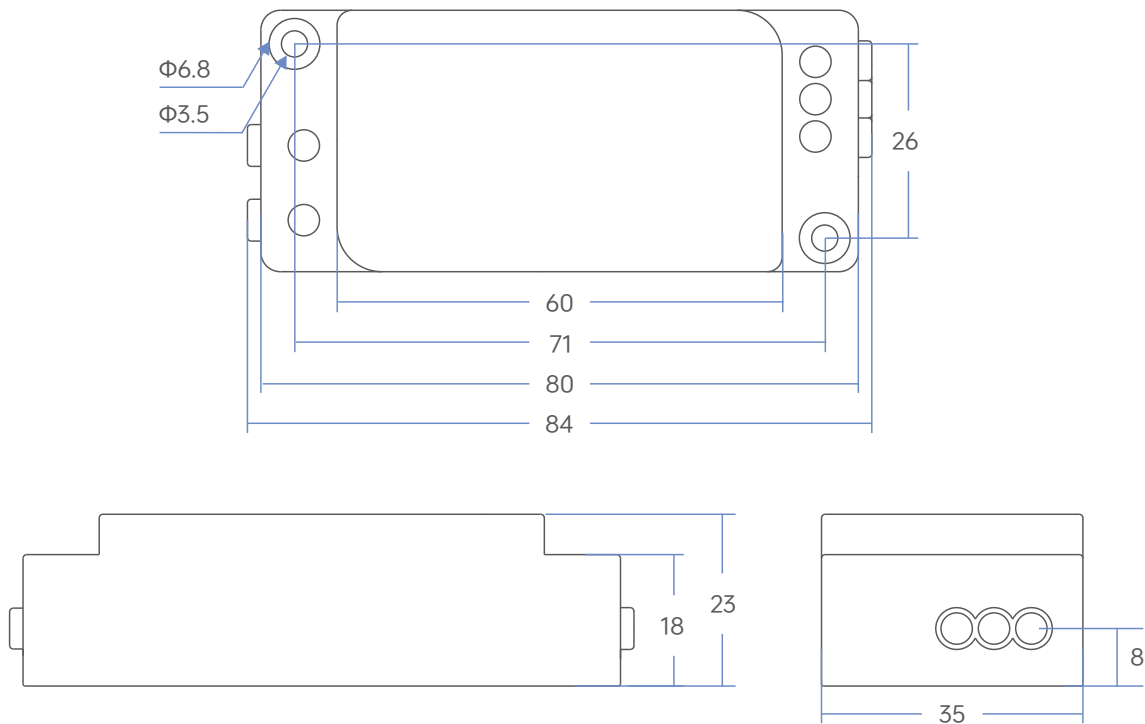
Model	D3000
Wireless Type	Bluetooth 5.0 SIG Mesh
Output Signal	DALI-2
Address	64
Number of Scenes	256 DALI Scenes, 64 Offline Local Scenes
Bus Power Supply Current	Max.200mA
Rated Parameters	100-240V~, 50/60Hz
Working Temperature	-25°C~50°C
Product Weight	30g
Dimensions	84×35×23mm(LxWxH)
Package Size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

Application Diagram

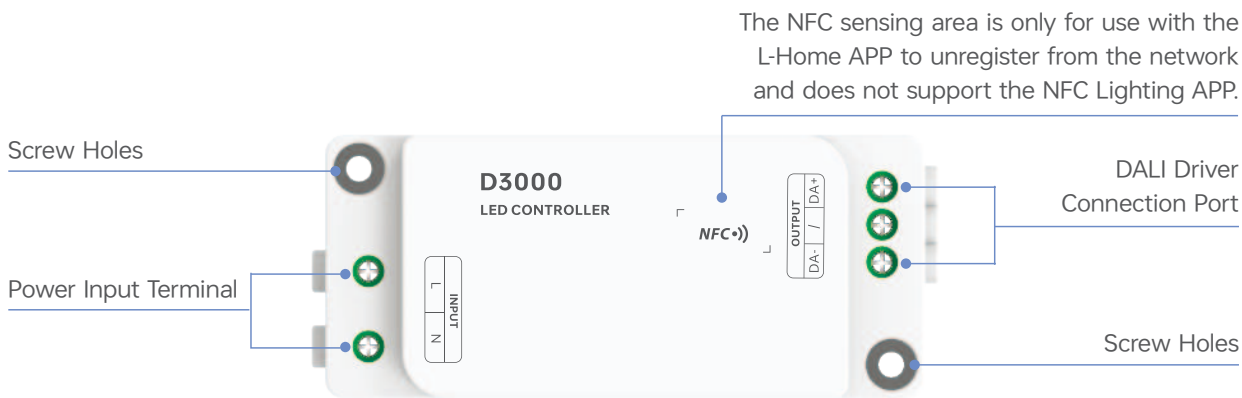


Product Size

Unit: mm

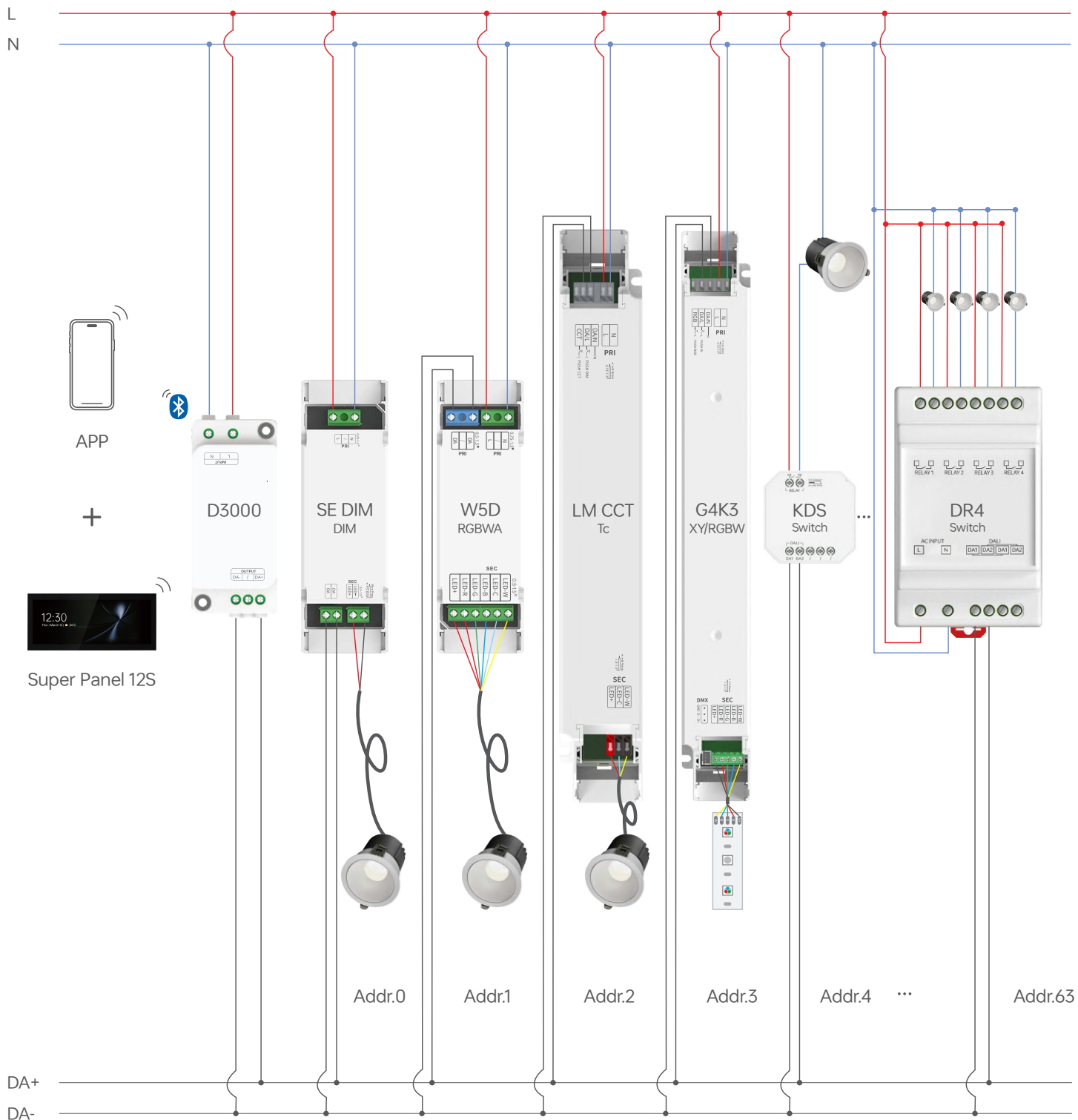


Product Structure



Wiring Diagram & Recommendations

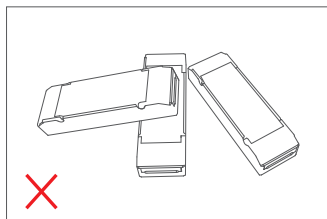
APP + Super Panel 12S + DALI Bus Power Supply + Smart Gateway + DALI Driver



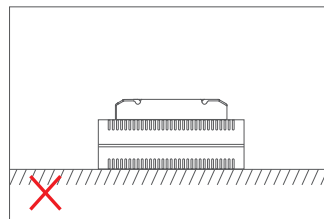
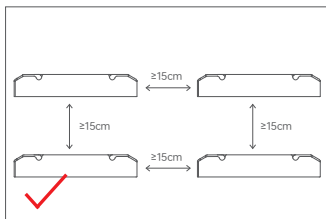
* This product has a built-in DALI bus power supply.

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

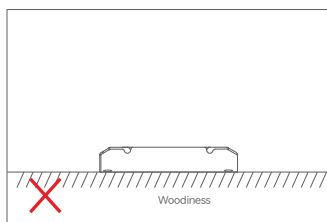
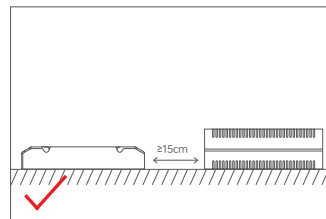
Installation Precautions



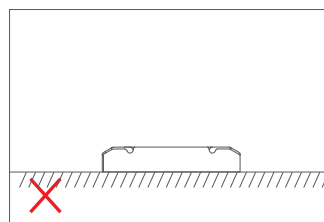
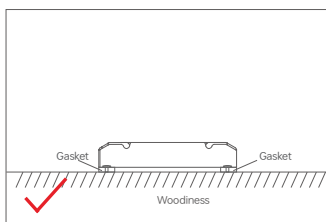
Please do not stack the products. The distance between two products should be $\geq 15\text{cm}$ so as not to affect heat dissipation and the lifespan of the products.



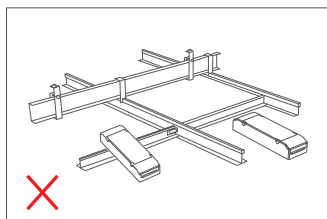
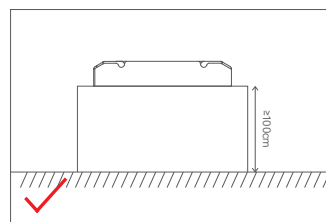
Do not place the product on top of a power supply. The distance between the product and the power supply should be $\geq 15\text{ cm}$ so as not to affect heat dissipation and the lifespan of the product.



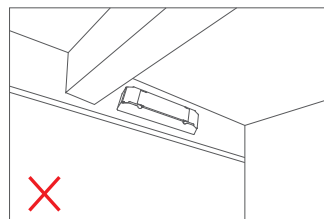
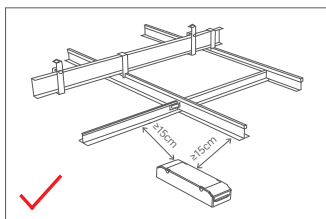
Do not fix the product tightly against the wooden board with screws. Please add a washer $\geq 7\text{ mm}$ thick under the mounting screws to leave a gap for effective heat dissipation, so as to avoid affecting the heat dissipation and service life of the product.



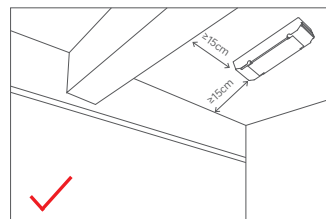
Please do not place the products on the floor. The distance between the product and the floor should be $\geq 100\text{cm}$ so as to avoid signal interference.



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.

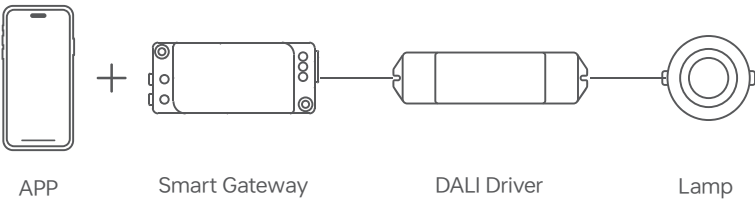


Please do not install the products on beams or near the corners. The distance between the product and the beam or the corner should be $\geq 15\text{cm}$ so as to avoid signal interference.

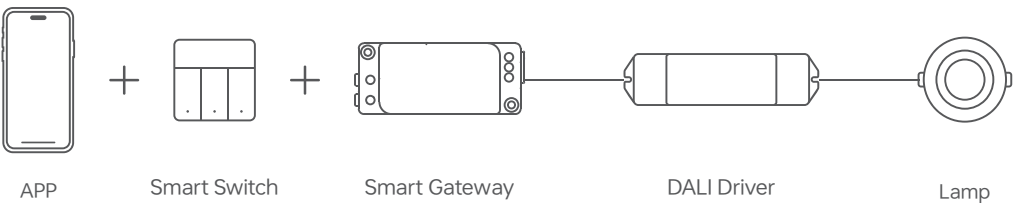


Recommended Applications

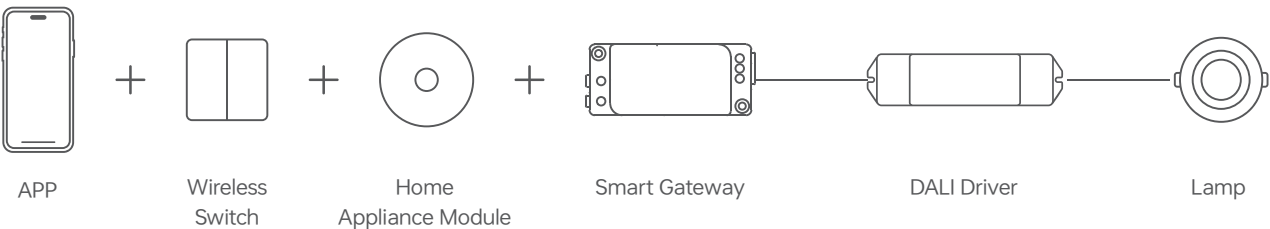
1. Wireless control of luminaires.



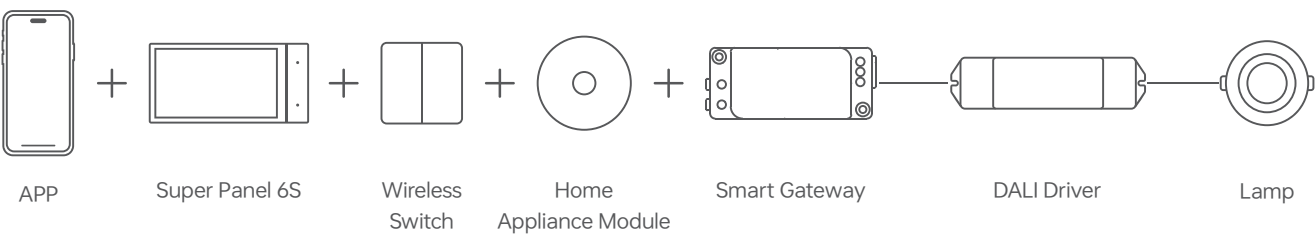
2. Remote control via visual intelligent switch panel.



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.

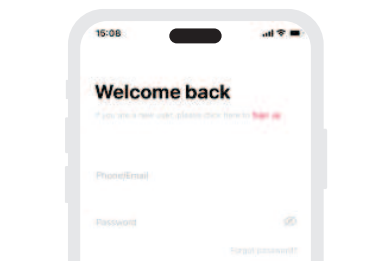
App Operating Instructions

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.

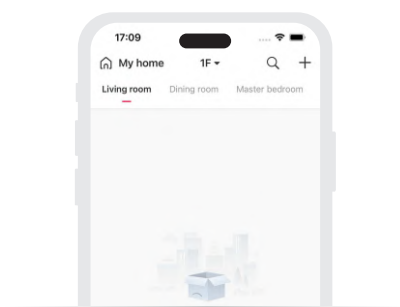


Scan and download the L-Home App

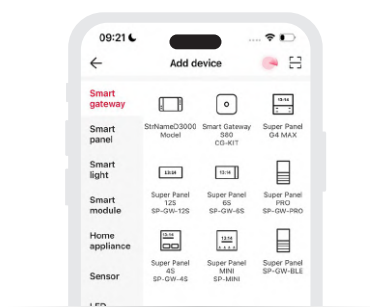


2. Pairing instructions

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.



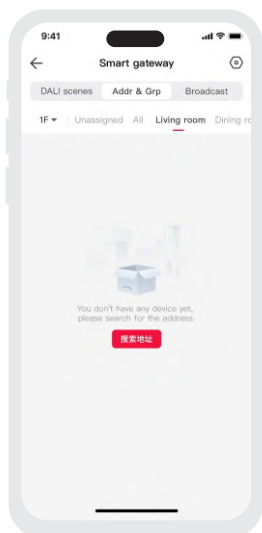
Room Page



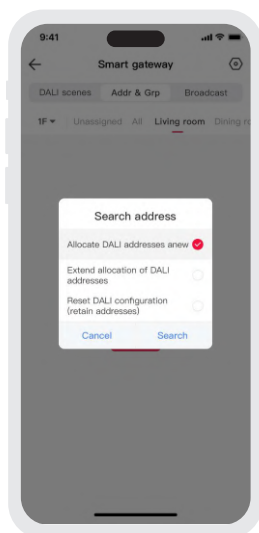
Add Device Page

3. Search DALI Addresses

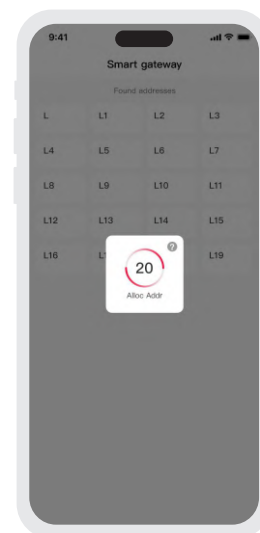
Ensure no duplicate DALI power supply addresses and complete wiring in accordance with the wiring diagram on Page 4. After powering on, tap "Search Addresses" and wait for the address search to complete successfully.



First Entry to Home Page



Address Search Pop-up Window

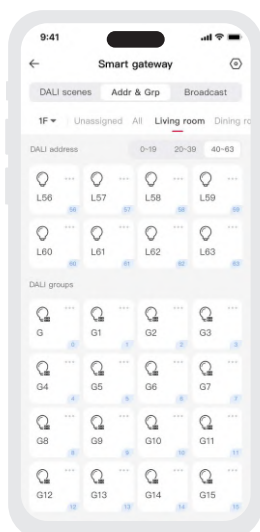


Wait for Search Completion

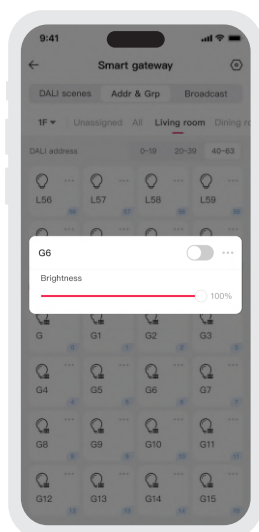
4. DALI Luminaire Control: Addr & Grp

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.

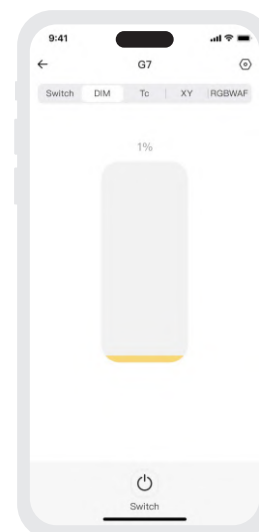
DALI Group Control: On the **【Addr & Grp】** page, tap a group card to assign luminaires (addresses 0–63) to DALI Groups 0–15 for group control. The operation is consistent with Bluetooth light groups, and DALI groups support grouping multiple types of addressable luminaires.



Addr & Grp Page



Quick Pop-up for Lighting Effects

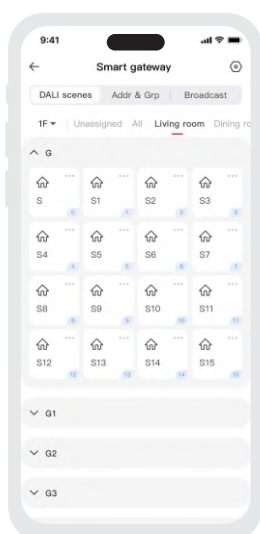


Group Home Pag

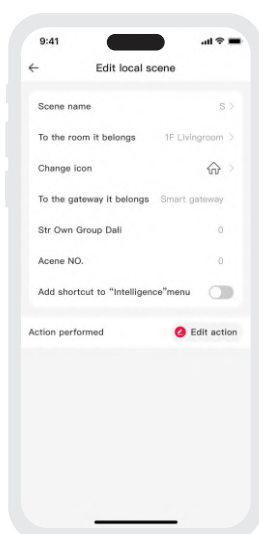
5. DALI Luminaire Control: DALI Scenes & Broadcast

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.

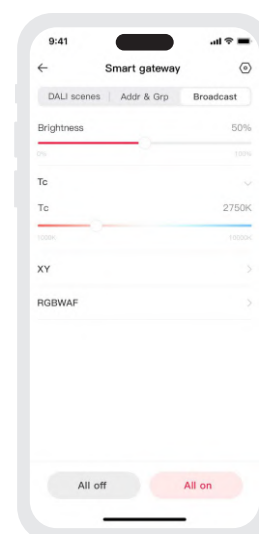
Broadcast Control: On the **【Broadcast】** page, you can turn all luminaires fully on/off, adjust brightness, and tune color parameters including Tc, XY and RGBWAF.



DALI Scene Page DALI



Edit DALI Scene Page

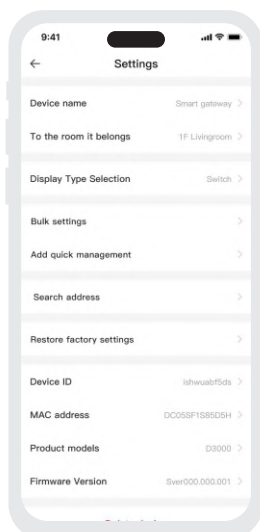


Broadcast Page

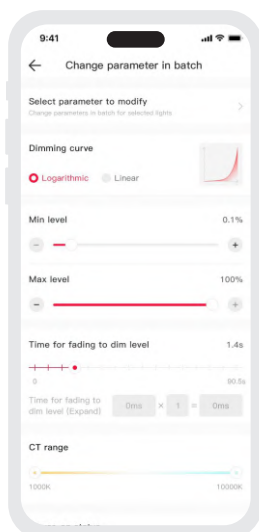
6. Batch Settings for DALI Addressable Luminaires

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.

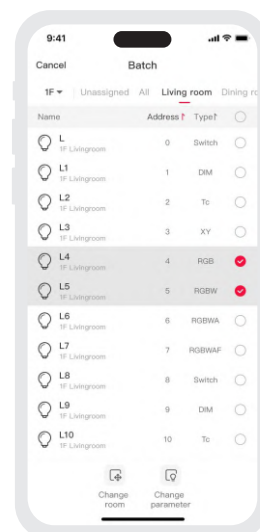
Batch Quick Access Management: Tap the "⌕" icon at the top-right corner of **【Smart Gateway】** homepage, enter the settings page and tap "Add Quick Access". Select target DALI addresses, groups or scenes to batch add or remove corresponding quick access shortcuts.



D3000 Settings Page



Batch Parameter Modification Page

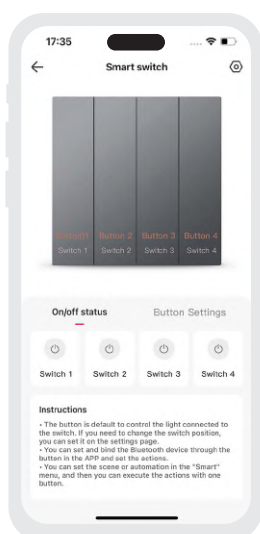


Add Quick Management Page

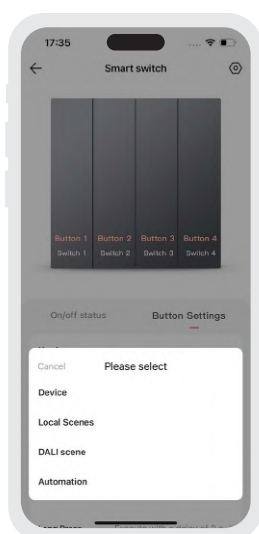
7. Panel Device Binding

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

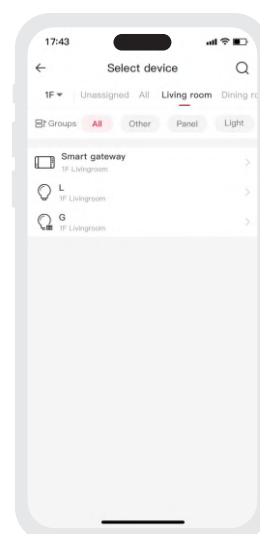
Long-press the target button on the page, or switch to "Button Settings". Select **【Device】** as the binding target, choose the corresponding action, and tap Save to complete binding.



Smart Switch Page



Switch Binding Pop-up Window

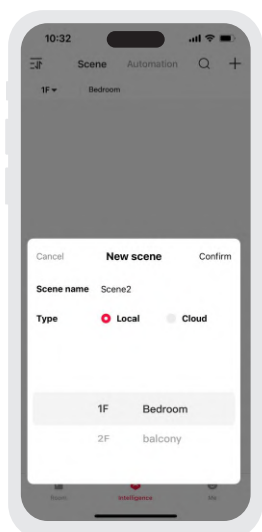


Device Selection Page for Binding

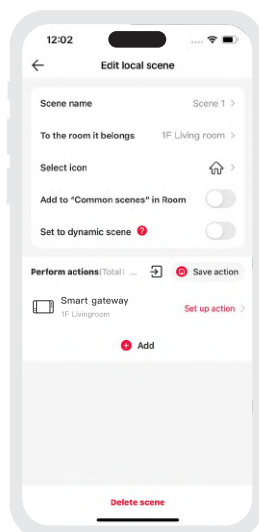
8. Local scene

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.

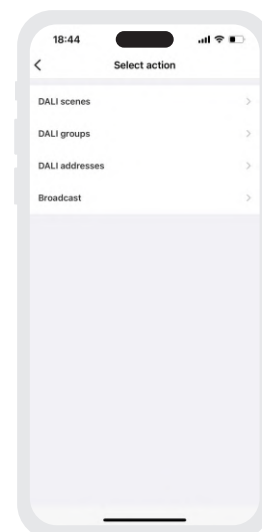
* When you edit the action for a local scene and a shortcut has been added to the DALI scene / group / addressable light , the editing steps will be shortened.



New Scene Pop-up Window



Edit Local Scene Page



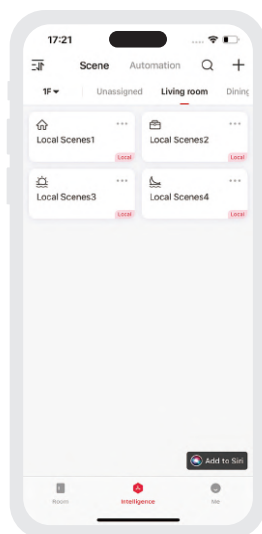
D3000 Action Settings Page

9. Cloud scene and automation

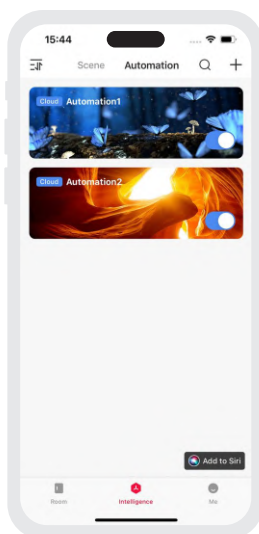
Make sure a smart gateway has been added to your home, such as Super Panel 12S.

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

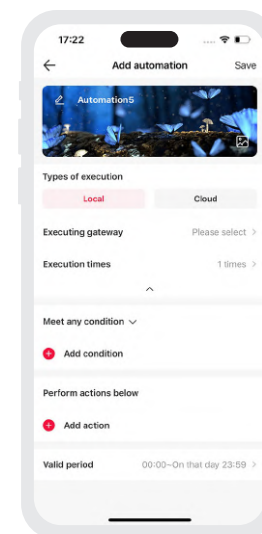
Click 【Automation】 in the “Intelligence” interface and click 【 + 】 to create automation. You can choose the local or cloud execution mode, and set trigger conditions and execution actions. When the trigger conditions you set are met, a series of device actions will be automatically triggered to achieve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



Scene Page



Automation Page

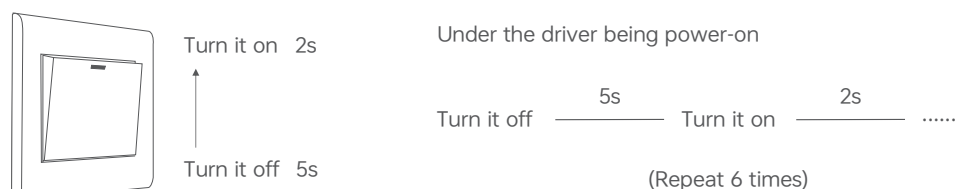


Add Automation Page

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.

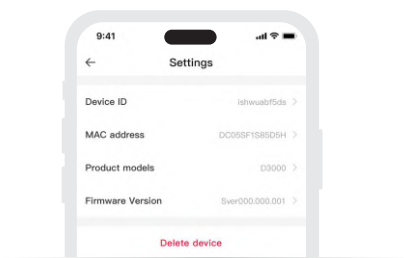


Figure 1

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.

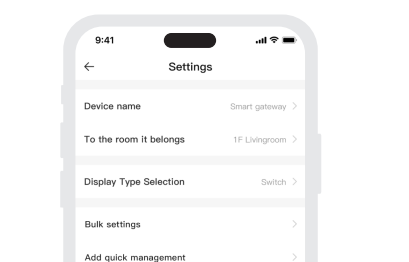


Figure 2

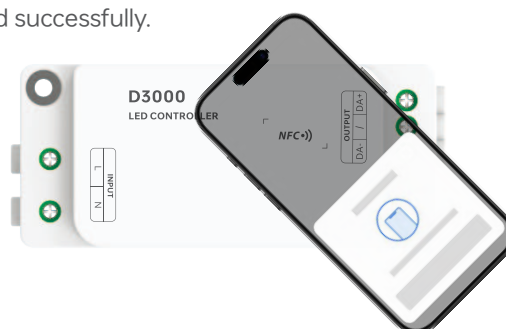


Figure 3

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.