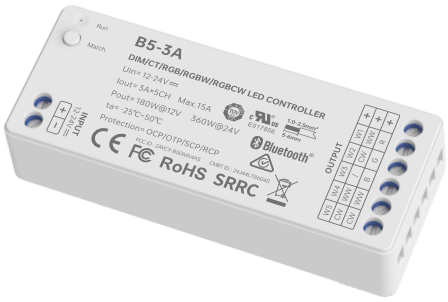
DIM/CT/RGB/RGBW/RGBCW LED Controller

B5-3A

Bluetooth 5.2 SIG Mesh

- Small in size and light in weight, the shell is made of Covestro/Samsung PC flame-retardant V0 grade material.
- Equipped with a soft-start and gradual-brightening function, it offers more comfortable visual experience for human eyes.
- Adopting Bluetooth 5.2 SIG Mesh communication protocol, it features strong networking capability, reliability and stability.
- 5-channel constant voltage output.
- Capable of controlling dimming, color temperature, RGB, RGBW, and RGBCW lamps.
- Can be used with Bluetooth Series B remote controls.
- Built-in 16 dynamic modes.
- One controller can receive signals from 30 remote controls.
- Input and output are separated at both ends to avoid wrong connection.
- The controller automatically transmits the remote control signal to another remote control, extending the remote control distance.
- One remote control can synchronously control multiple controllers.
- Wireless remote control can be realized through the L-Home APP, and with the smart gateway, rich automatic control and cloud scenarios can be achieved.
- Supports OTA upgrade, local scenarios, circadian lighting, and dynamic mode group synchronization.



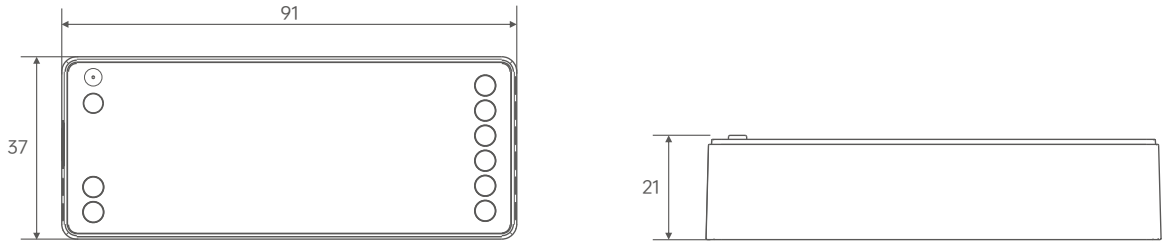
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Technical Parameters

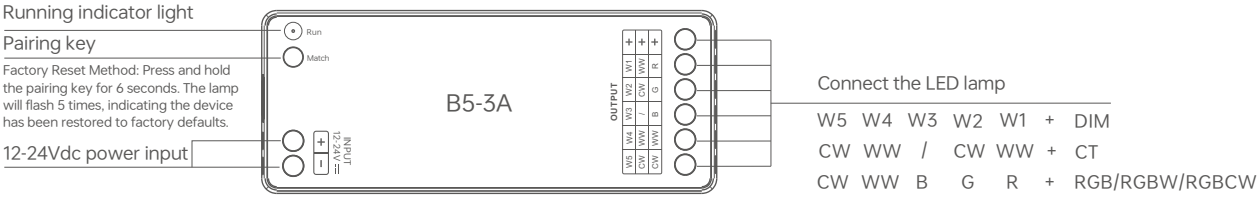
Model	B5-3A
Input signal	Bluetooth 5.2 SIG Mesh
Input voltage	12-24V ⎓
Output voltage	12-24V ⎓
Load current	3A×5CH Max. 15A
Load power	180W@12V 360W@24V
Protection	Short circuit, over-temperature, over-current protection, anti-reverse connection protection
Operating temperature	-25°C ~ 50°C
Product size	L91×W37×H21(mm)
Packaging size	L94×W39×H22(mm)
Gross weight	46g

Product Size

Unit: mm



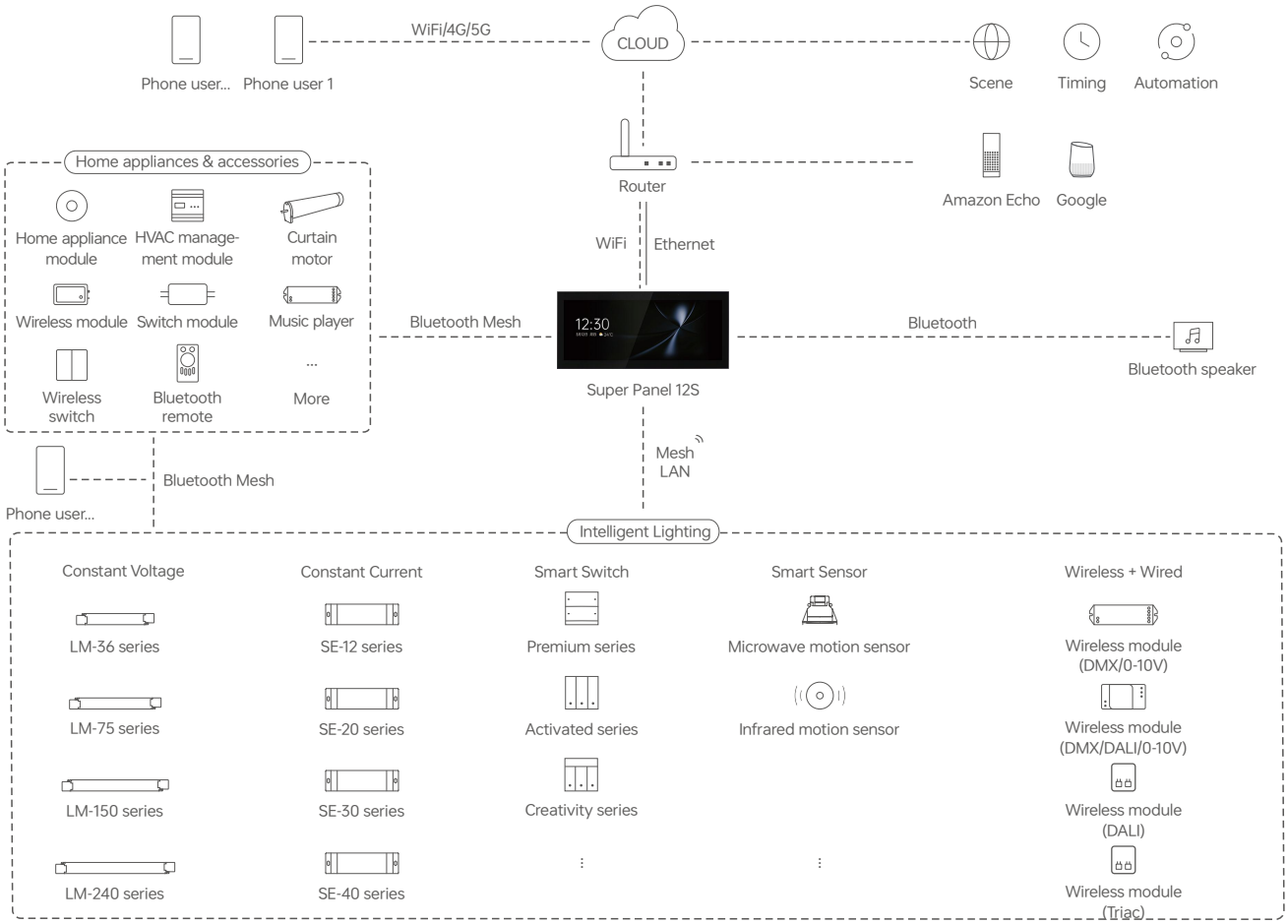
Terminal Description



Wiring Application Diagram

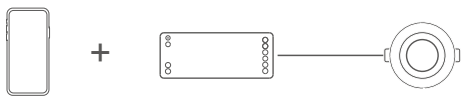


Recommend Applications

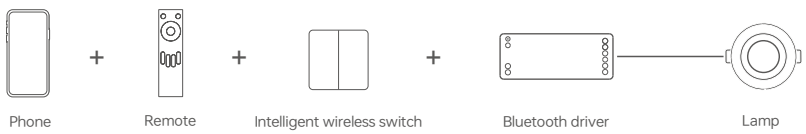


Recommend Applications

1. Achieve fast dimming control.



2. Both App and remote can control the driver after connecting the remote to the driver with App.



3. Both App and Super Panel 6S can control the driver simultaneously after connecting the Super Panel 6S to the driver with App. By connecting the Super Panel to network, you are allowed to control the driver, cloud scenes and automation remotely with App.



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

List of Compatible Devices

Smart Gateway: Serves as the control center of a smart home, enabling interconnection between Bluetooth devices and the cloud, as well as managing and controlling scenes and automation. It realizes remote control of smart devices such as Bluetooth-driven power supplies and switch panels.


SP-GW-12S


SP-GW-6S


SP-GW-BLE


SP-GW-4S


G4 MAX

CG-KIT: Enables the access of Bluetooth-driven power supplies to Apple Home via HomeKit, and also to all IoT platforms supporting the standard Matter protocol through Matter Bridge, including Apple Home, Google Home, Amazon Alexa, Samsung SmartThings, etc.


CG-KIT

Smart Switch: Can control the on/off, dimming and color tuning of Bluetooth-driven power supplies. When used with a smart gateway, it can realize functions such as App remote control, scene linkage/automation.


S1


S2


S3


S4


S6


S6-B


SQ


SQ-B


S1 PRO


S2 PRO


S3 PRO


S6 PRO


SQ PRO


G4


G4 PRO


S4M


S8M


EB1


EB2


EB5


EB6


EB8


UB1


UB2


UB4


UB5


UB8

Remote Control: Can control the on/off, dimming and color tuning of Bluetooth-driven power supplies. When used with a smart gateway, it can realize functions such as scene linkage.


GQ PRO


GQ MAX


GQ


GQX


B1


B2


B5

B8

R8

RC4-BLE

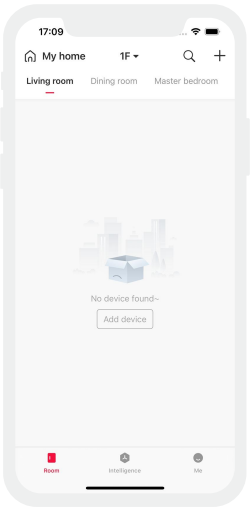
Use with Bluetooth L-Home APP

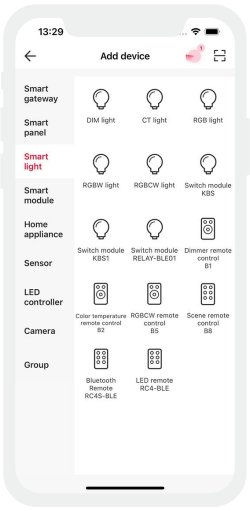
1. Register an account

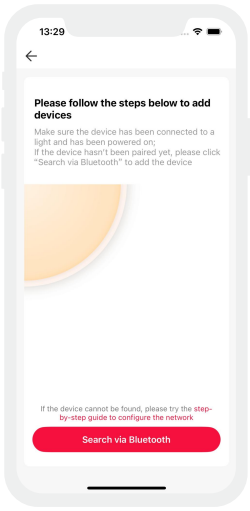
The App is available on iOS or Android devices. Scan the QR code below with you mobile phone and follow the prompts to complete the App installation. Open the App to log in or register an account.

2. Paring instructions

Open the APP and create a home if you are a new user. Click “+” icon in the upper right corner and access the “Add Device” list, then follow the prompts to add the device. Pick “Smart lighting-DIM light” from the list and follow the prompts to power on the device firstly. Make sure the device is not connected to the network. Then click ”Bluetooth Search” and follow the prompts to add the device.

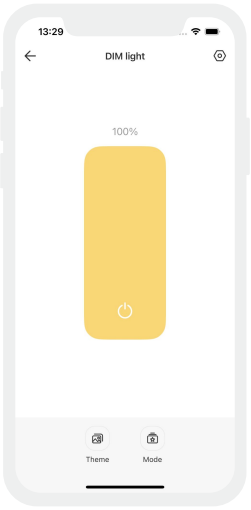


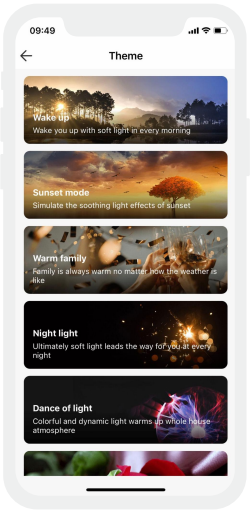


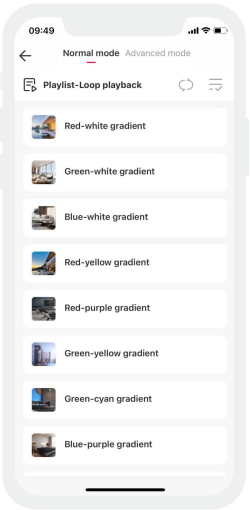


3. Control interface settings

After pairing up your device, go to the control interface. You'll be able to achieve your desired lighting effects by changing brightness 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.

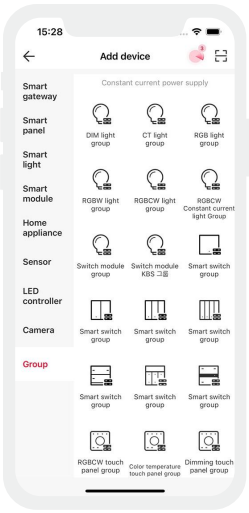


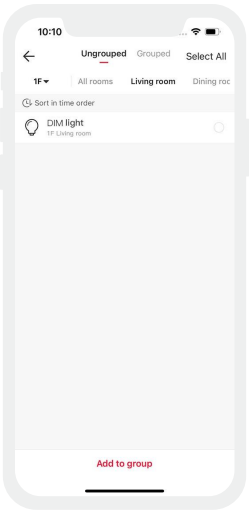


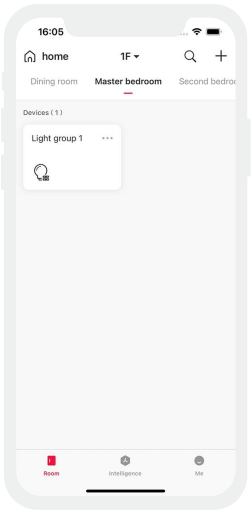


4. Light groups

Users are able to combine the same type of light fixtures into a group to control them simultaneously. Once you create the group, you can set the dim level more easily. Pick “Group-DIM light group”from the list. Follow the prompts to rename the group and click ”Next” to pick the lights you are going to group together and click “Save”.

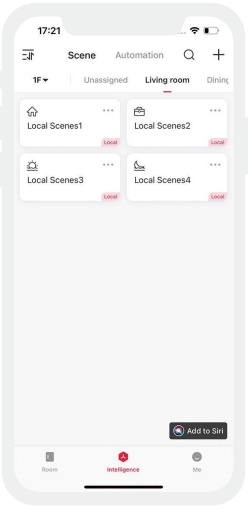


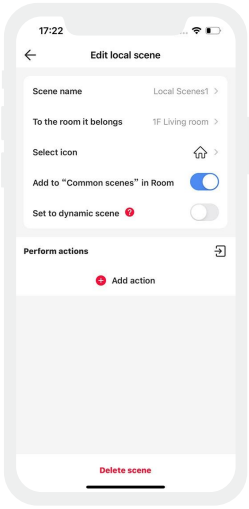


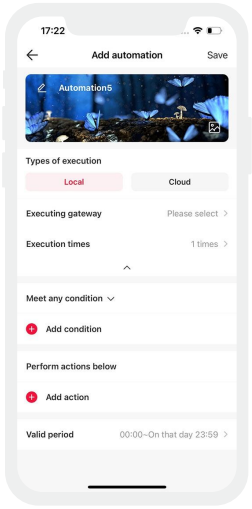


5. Advanced functions

This driver can be linked up with gateway function devices (such as Super Panel 12S) to achieve the advanced functions from local scenes and cloud scenes to automation.

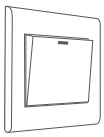


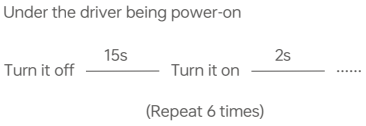




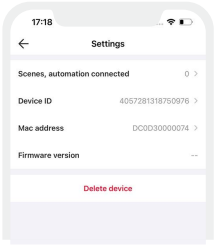
Reset the Device (Reset to Factory defaults)

Method 1: Ensure the driver is connected to the light fixture and is in a constantly lit state. Use a switch to continuously power on and off the driver 6 times (each power-off time is 15 seconds, and power-on time is 2 seconds). After the sixth power-on time of 2 seconds, the light fixture will flash 3 times, indicating that the driver has been restored to the factory settings.





Method 2: Ensure the device is powered on and online, open the L-Home APP, locate the device and access its settings interface, then tap the Delete Device button. When the interface prompts "Deletion Successful", it indicates the device has been restored to factory settings.



Method 3: Press and hold the pairing key for 6 seconds. The lamp flashes 5 times to indicate that the device has been restored to factory default settings.

FAQs

1. What should I do if device addition fails?
1.1 Ensure the device is powered on normally and in an activated state;
1.2 Ensure the device to be added has not been added to any other account. If it has, manually restore it to factory settings;
1.3 Ensure the mobile phone and the device are as close as possible, with a recommended distance of no more than 20 meters;
1.4 If the device has been forcibly deleted, manually restore it to factory settings first, then add the device again.

2. What should I do if the device goes offline?
2.1 Please check if the device is powered on normally;
2.2 Please check if the router is working properly and the network is smooth;
2.3 If using remote control, please check if the mobile phone network is working properly and the network is smooth.

3. How to perform remote control / set up cloud scenes?
To use remote control / add and set up cloud scenes, it is necessary to use the company's super panel together.

4. How to Share a Device?
Please go to "My" -> "Family Management", select the family for which you want to share devices, then click "Add Member". Follow the prompts to add the family member or friend with whom you want to share the device to this family, and the sharing process will be completed.

5. Inconsistent dimming for light films or groups in the same area?
There may be differences between hardware of different models. It is necessary to use the same model for group dimming to achieve better dimming consistency.

Attentions

- Products shall be installed by qualified professionals.
- Products are and not lightning proof 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:

- 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 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, and release in written form shall prevail.