LTECH

Wireless Module
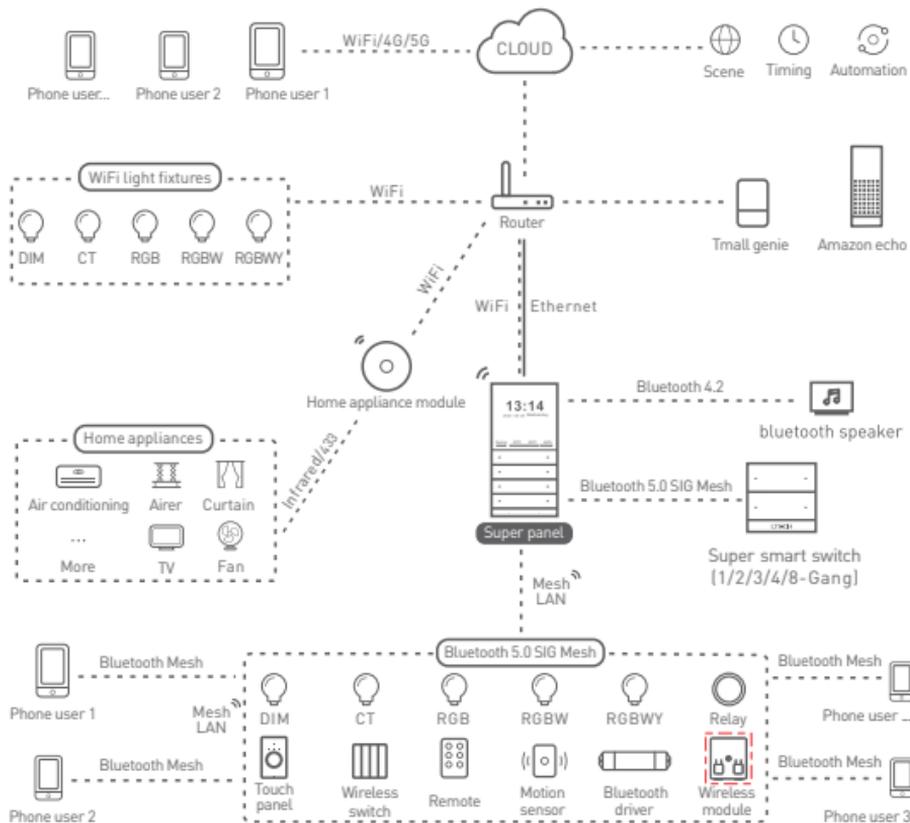
Model: CG-D

Manual

www.ltech-led.com

Application Diagram

Phone user ... Phone user 2 Phone user 1

WiFi/4G/5G

CLOUD

Scene Timing Automation

WiFi light fixtures

DIM CT RGB RGBW RGBWY

WiFi

Router

Tmall genie Amazon echo

WiFi Ethernet

Home appliance module

Bluetooth 4.2

13:14

bluetooth speaker

Home appliances

Air conditioning Airer Curtain

...

More TV Fan

Bluetooth 5.0 SIG Mesh

Super panel

Super smart switch
(1/2/3/4/6/8-Gang)

Mesh
LAN

Bluetooth 5.0 SIG Mesh

Phone user 1

Bluetooth Mesh

Mesh
LAN

DIM CT RGB RGBW RGBWY Relay

Bluetooth Mesh

Phone user ...

Phone user 2

Bluetooth Mesh

Touch
panel

Wireless
switch

Remote

Motion
sensor

Bluetooth
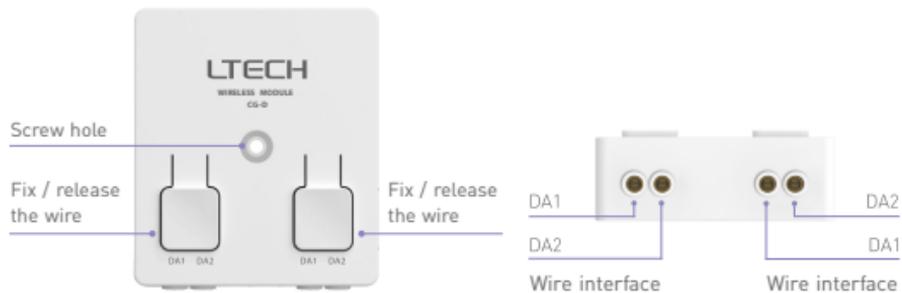driver

Wireless
module

Bluetooth Mesh

Phone user 3

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: 9.5 - 22.5Vdc.
- Compatible with DIM, CT, RGB, RGBW, RGBWY 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.
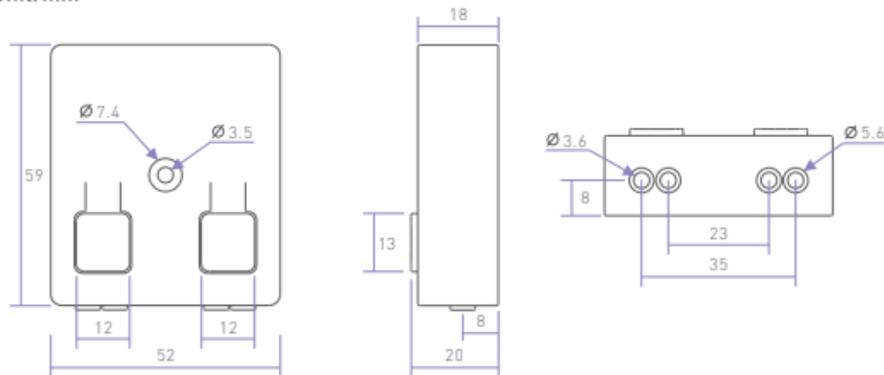- Work with Super Panel to achieve voice control, cloud scenes and automation.

Technical Specs

Model	CG-D
Wireless Protocol Type	Bluetooth 5.0 SIG Mesh
Output Signal	DALI
Input Voltage	9.5-22.5Vdc
Working Temperature	-20°C~55°C
Product Size(L×W×H)	59×52×20(mm)
Package Size(L×W×H)	86×86×25(mm)
Weight (G.W.)	40g

Bluetooth® FC CE RoHS

Product Images

Screw hole

Fix / release the wire

Fix / release the wire

LTECH
WIRELESS MODULE
CG-D

DA1 DA2

DA1   DA2
DA2   DA1

Wire interface

Wire interface

Product Size

Unit: mm

Ø7.4
Ø3.5
59
12   12
52

18
13
8
20

Ø3.6   Ø5.6
8
23
35

Wiring Diagram

Neutral input(N)
Firewire input(L)

N   L
DALI bus
power supply
DA2 DA1

APP   +   Super panel

LTECH
WIRELESS MODULE
CG-O
DA1 DA2   DA1 DA2

N   L
DALI driver
DA2 DA1   LED- LED+

Lamp
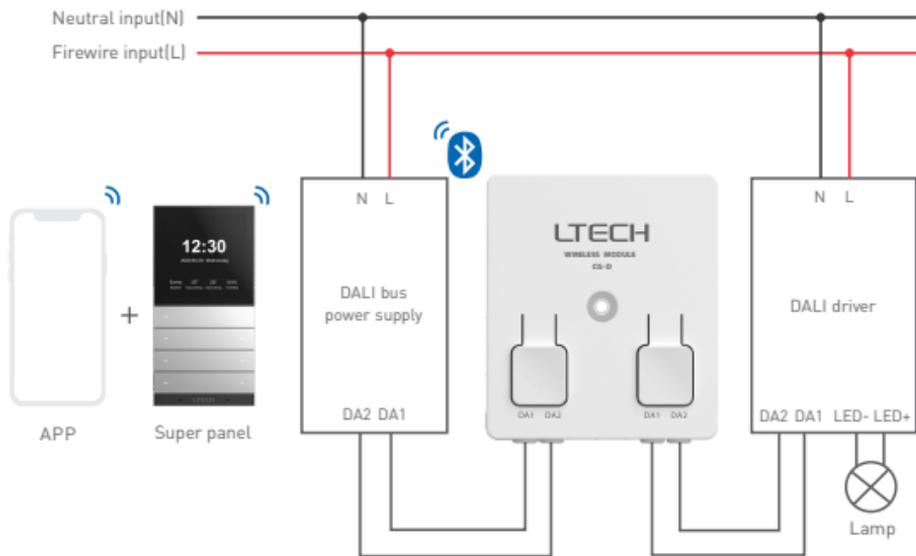
Note: The wireless module and the DALI master cannot be connected together to the same bus.
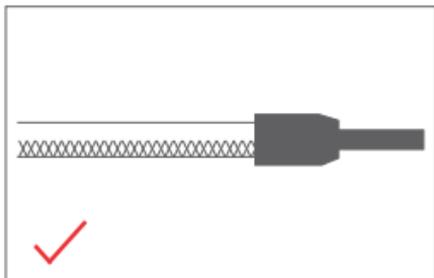
Wire Specifications
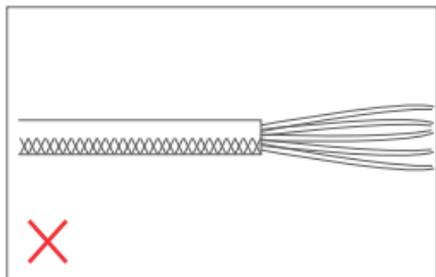
Thin Multi-strand Wires
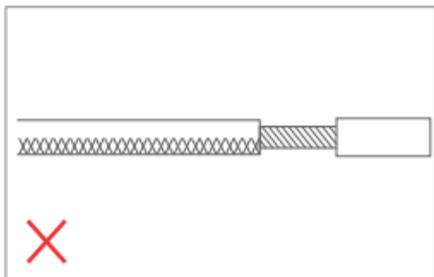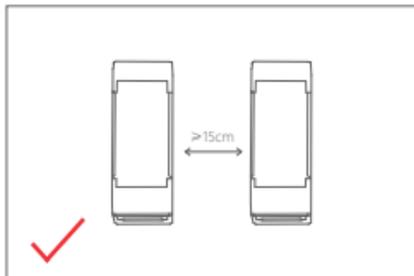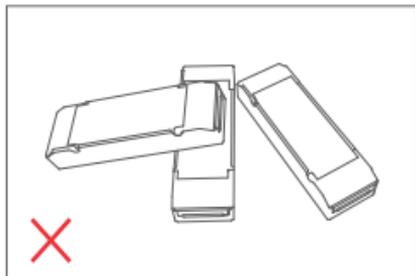
Thin Multi-strand Wires + Soldering
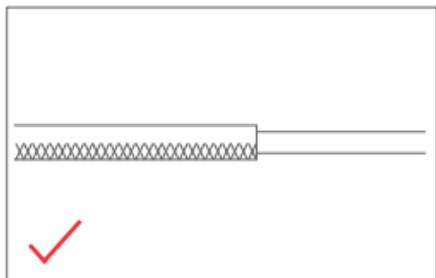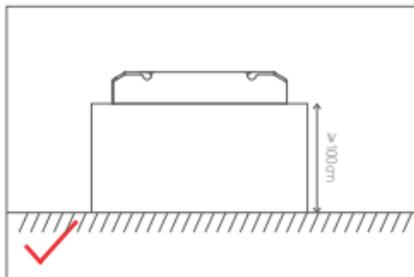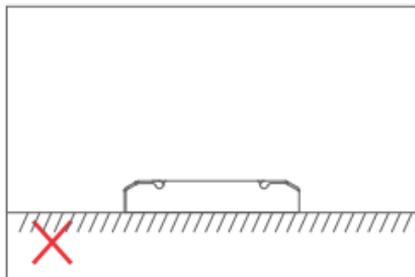
Single Strand Wire
Wire diameter: 0.5-1.5□ (20-16AWG)

Thin Multi-strand Wires with Insulated/
Uninsulated Cold-welded Cable Joint
Wire diameter: 0.5-0.75□ (22-18AWG)

Installation Precautions
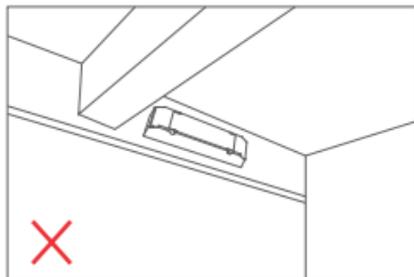

Please do not stack the products. The distance between two products should be ≥ 15cm so as not to affect heat dissipation and the lifespan of the products.

Please do not place the products on the floor. The distance between the product and the floor should be ≥100cm so as to avoid signal interference.
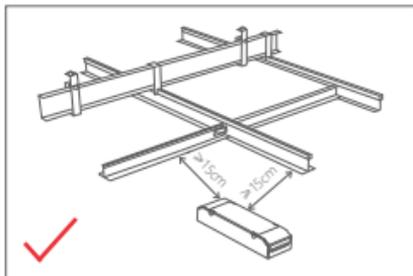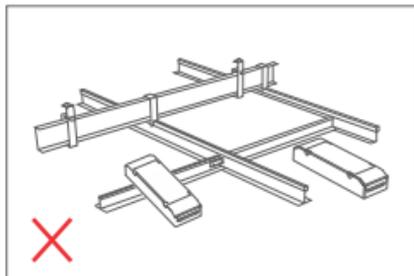
Please do not place the products near a large area of metal objects (such as metal stud ceilings). The distance between the product and the metal object should be≥ 15cm so as to avoid signal interference.
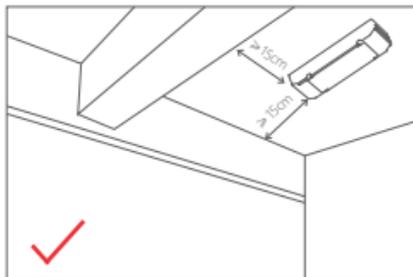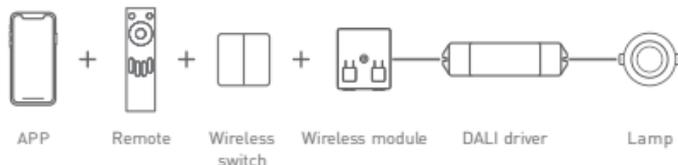

Please do not install the products on beams or near the corners. The distance between the product and the beam or the corner should be≥15cm so as to avoid signal interference.

Recommended Applications

1. Wireless control.

APP   Wireless module   DALI driver   Lamp
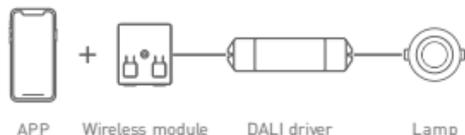
2. Both App and remote can control the wireless module after connecting the remote to the driver via App.

APP   Remote   Wireless switch   Wireless module   DALI driver   Lamp

3. Visual control + remote control of traditional panels.

APP   Super Panel   Remote   Wireless switch   Home appliance module   Wireless module   DALI driver   Lamp
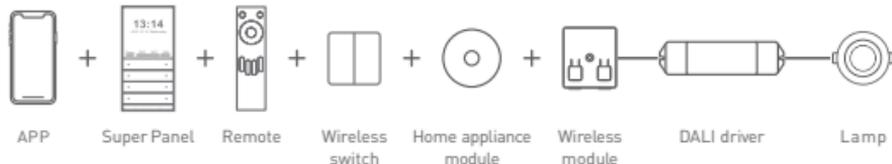
4. More applications of intelligent control are waiting for you to set up.

App Operating Instructions

1. Register an account

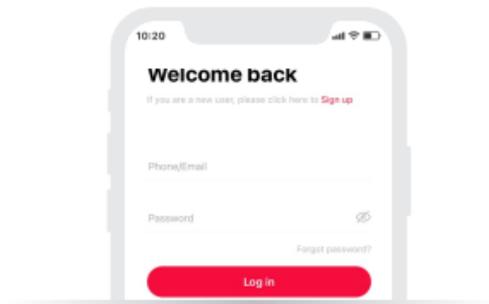1.1 Scan the QR code below with you mobile phone and follow the prompts to complete the app installation.

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"
list. Pick" DALI module "from the list. Follow the prompts to power on the device first, and make sure
the device is not connected to the network . Then click"Bluetooth search"and follow the prompts to
add the device.
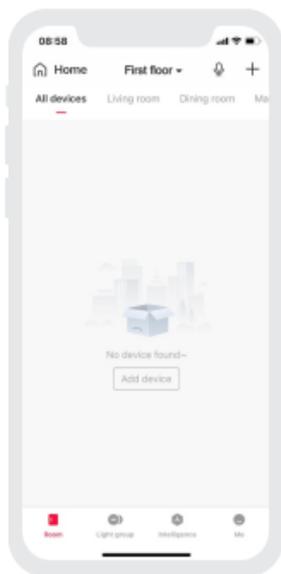
3.Control interface settings

After pairing 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.
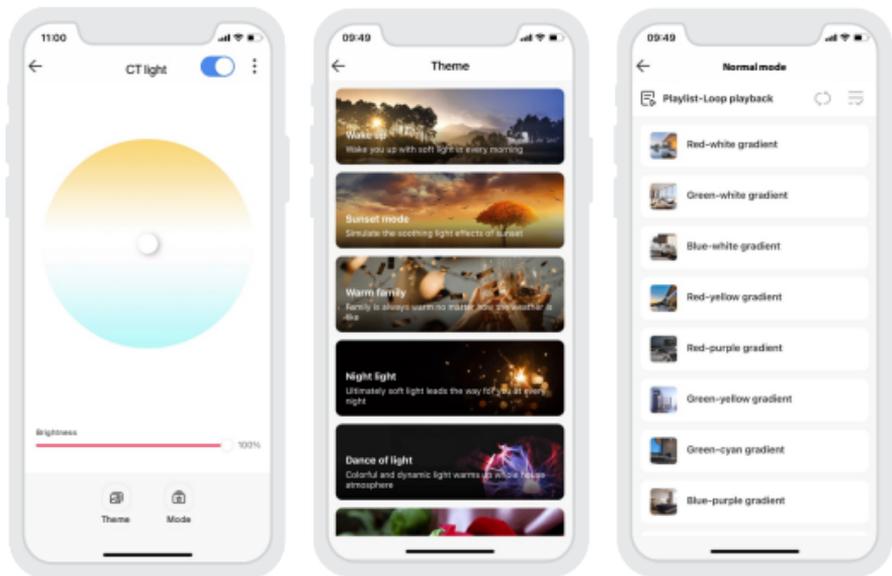
4. Advanced functions

This product can be linked up with a gateway device (such as Super Panel) to achieve advanced functions, such as cloud scenes, automation.
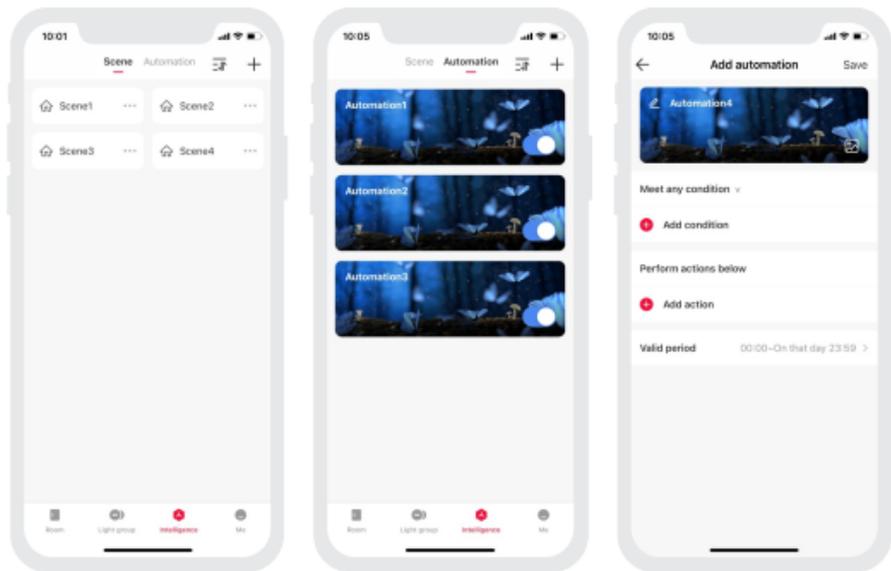
FAQs

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 Bluetooth wireless module is connected to a lamp and the lamp remains on. Use the Bluetooth wireless module to power it off. After 5s, power it on. After 2s, power it off again. Repeat the same operation 6 times. When the lamp flashes 5 times, reset the module to factory defaults successfully.

Attentions

- Products shall be installed by qualified professionals.
- LTECH products are non-waterproof (special models excepted).Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- Good heat dissipation will extend 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 : 2 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 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.