

# LTECH

## Wireless Module

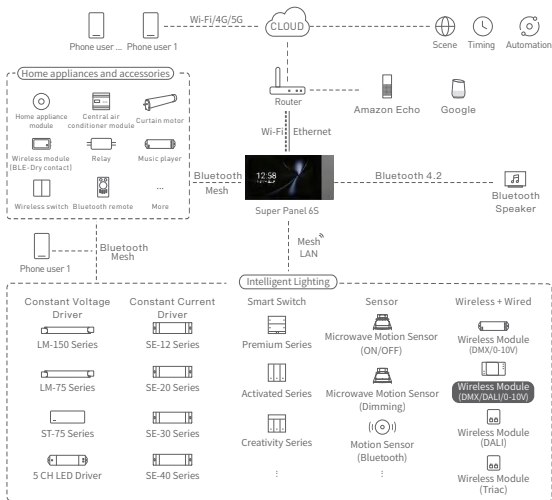
Model: CG-DAM-PRO



Manual

[www.ltech-led.com](http://www.ltech-led.com)

# Application Diagram



## Product Features

- Small size and light weight. Housing made from SAMSUNG/COVESTRO's V0 flame retardant PC materials.
- Bluetooth 5.0 SIG Mesh with high networking capacity provides reliable and stable performance.
- Combine DMX, DALI, 0-10V output into one output port.
- DALI bus power supply.
- Compatible with DIM, CT, RGB, RGBW, RGBWY lights and control their outputs ( 0-10V outputs are available only in DIM and CT lights ).
- Control it on iOS or Android devices via Bluetooth.
- Support online upgrade and remain ultra-low power consumption; continuously power it on and off to reset it to factory defaults.
- Set the fade time and lighting status.
- Support local scenes that still run without the Internet or a gateway. It is faster and more stable.
- Add a smart gateway to achieve a variety of cloud scenes and automation.

## Technical Specs

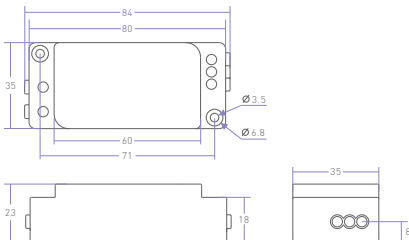
Model	CG-DAM-PRO
Wireless Protocol Type	Bluetooth 5.0 SIG Mesh
Output Signal	DMX / DALI / 0-10V
Working Voltage	100~240Vac
DALI Output	12Vdc (Max.90mA)
Working Temperature	-20°C~55°C
Product Size(L×W×H)	84×35×23(mm)
Package Size(L×W×H)	100×70×42(mm)
Weight (G.W.)	30g

# Product Images



## Product Size

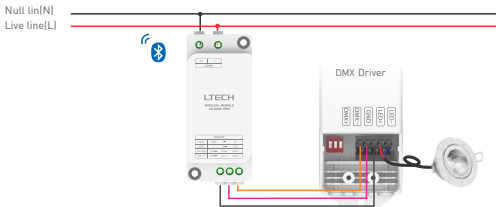
Unit: mm



# Wiring Diagram

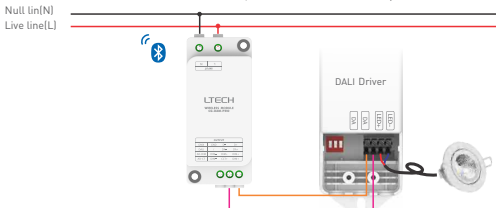
\* Please confirm the output signal before you begin wiring(Default output signal is DMX). If you need to change the output signal type, please connect the device to the network first using the APP, then switch to the desired output signal (refer to Page 9 for details), and finally start your wire connection.

## DMX



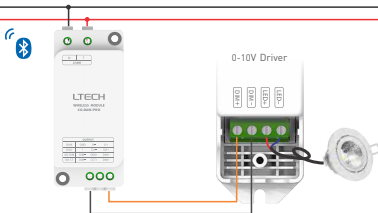
## DALI

\* This module has the integrated DALI bus power supply and can connect to a maximum of 32 LTECH DALI drivers. If it connects to drivers from other brands, the number of connected drivers depends on the actual test.



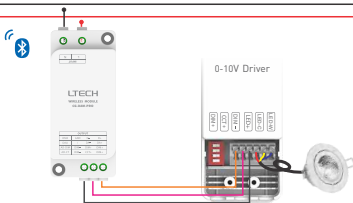
## 0-10V(DIM)

Null lin(N)  
Live line(L)



## 0-10V(CT)

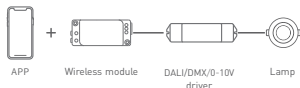
Null lin(N)  
Live line(L)



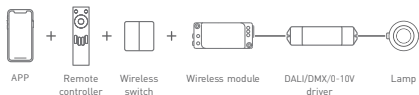
\* When it outputs 0-10V signals, this module can connect to a maximum of 100 LITECH 100 drivers on one circuit.  
If it connects to drivers from other brands, the number of connected drivers depends on the actual test.

# Applications

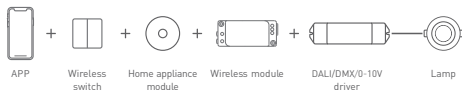
## 1. Wireless lamp control



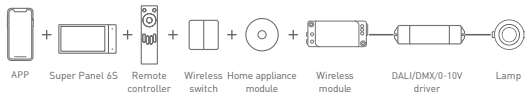
2. After linking the remote controller with the wireless module via the App, you can control the device using the remote or App



3. Support local scenes that can run without the Internet or a gateway.

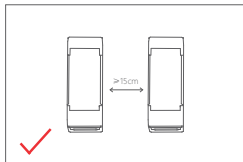
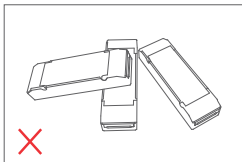


4. Visual control+ remote controller control of the traditional dimming panels.

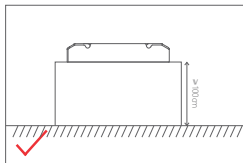
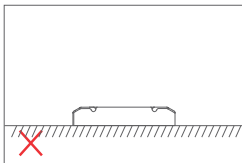


5. More applications of intelligent control are waiting for you to set up.

# Installation Precautions

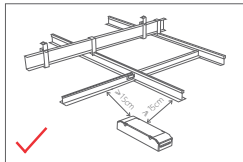
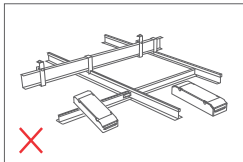


Please do not stack the products. The distance between two products should be  $\geq 15\text{cm}$  so as not to affect heat dissipation and the lifespan of the products.

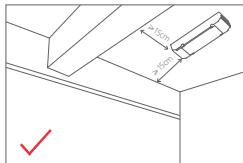
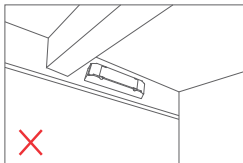


Please do not place the products on the floor. The distance between the product and the floor should be  $\geq 100\text{cm}$  so as to avoid signal interference.





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  $\geq 15\text{cm}$  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  $\geq 15\text{cm}$  so as to avoid signal interference.

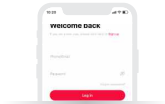
# App Operating Instructions

## 1. Register an account

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

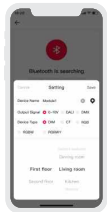


Scan and download the App



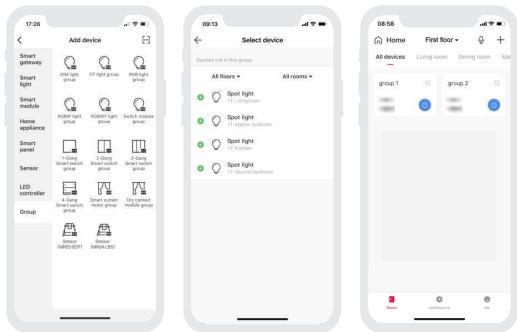
## 2. Pairing instructions

Create a home if you are a new user. Click "+" icon in the upper right corner and access the "Add device" page. Follow the prompts to add the Bluetooth wireless module first, then select "0-10V/DMX/DALI module" from the device list. Follow the prompts to click "Search via Bluetooth". When the device is found, set the output signal (Default is DMX signal) and the light fixture type, then click "Save".



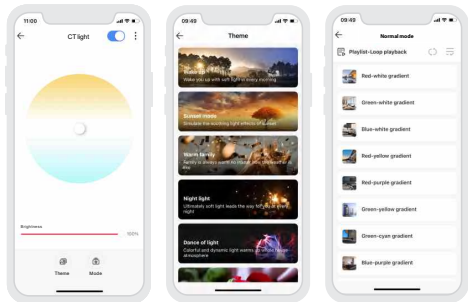
### 3. Light groups

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 and adjust the color of lights more easily. Pick "Group-RGBW 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". To ensure the consistency of dynamic effects, it is recommended to group together the lights that output the same signal



## 4. 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 between various 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.



## 5. 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.