

LTECH

Wireless Module

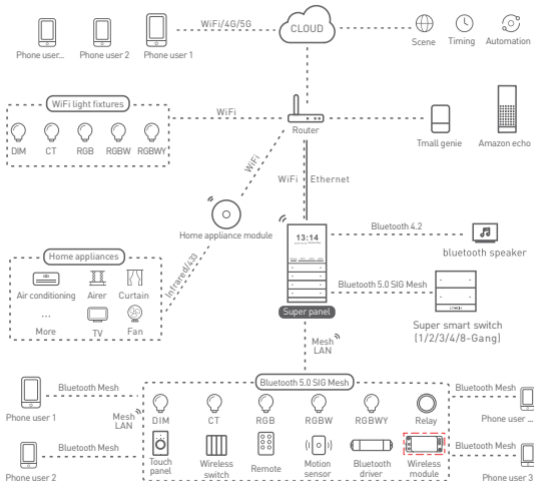
Model: CG-DAM



Manual

www.ltech-led.com

Application Diagram



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.
- Combine DMX, DALI, 0-10V output into one output port.
- DALI bus power supply.
- Compatible with DIM, CT, RGB, RGBW, RGBWY lights and control output (0-10V output supports DIM and CT only).
- 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

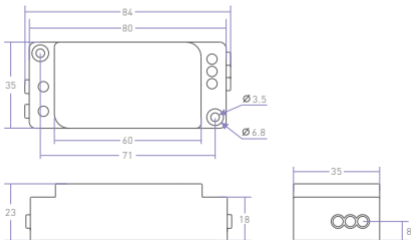
Model	CG-DAM
Wireless Protocol Type	Bluetooth 5.0 SIG Mesh
Output Signal	DMX / DALI / 0-10V
Working Voltage	100~240Vac
DALI Output	12Vdc (Max.20mA)
Working Temperature	-20°C~55°C
Product Size(L×W×H)	84×35×23(mm)
Package Size(L×W×H)	100×70×42(mm)
Weight [G.W.]	30g

Product Images



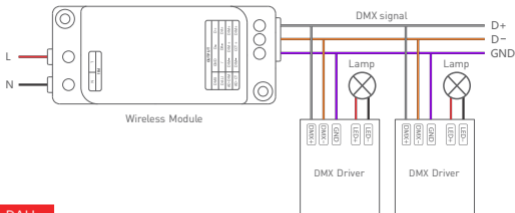
Product Size

Unit: mm

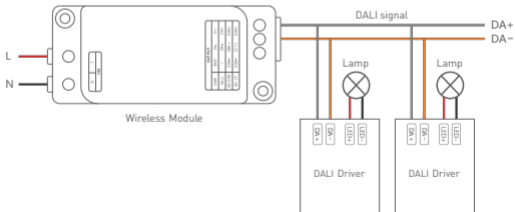


Wiring Diagram

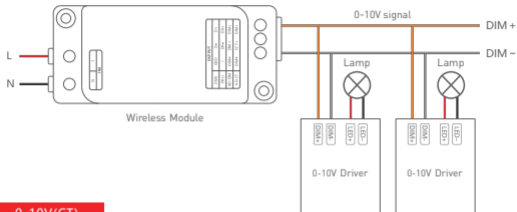
DMX



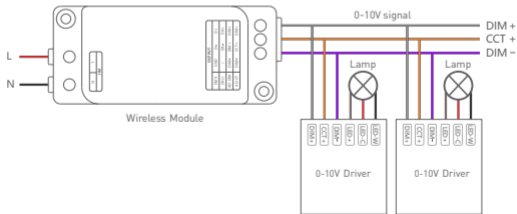
DALI



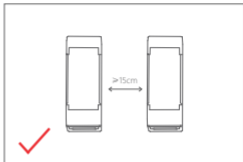
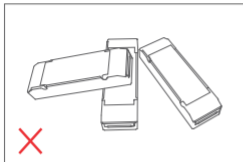
0-10V(DIM)



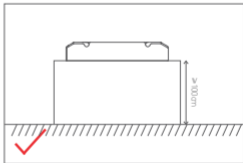
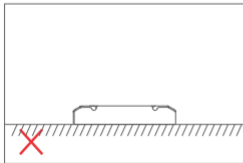
0-10V(CT)



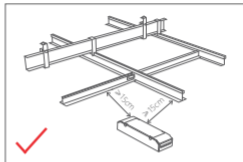
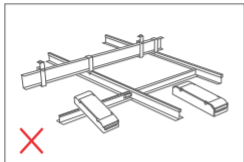
Installation Precautions



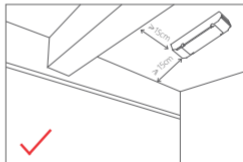
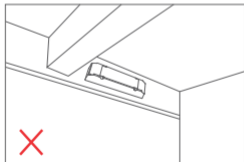
Please do not stack the products. The distance between two products should be $\geq 15\text{cm}$ so as not to affect heat dissipation and the lifespan of the products.



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.



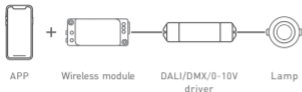
Please do not place the products near a large area of metal objects (such as metal stud ceilings). The distance between the product and the metal object should be $\geq 15\text{cm}$ so as to avoid signal interference.



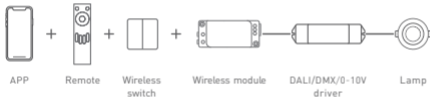
Please do not install the products on beams or near the corners. The distance between the product and the beam or the corner should be $\geq 15\text{cm}$ so as to avoid signal interference.

Recommended Applications

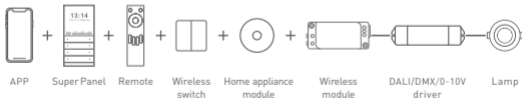
1. Wireless control.



2. Both App and remote can control the wireless module after connecting the remote to wireless module via App.



3. Visual control+ remote control of traditional panels.



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

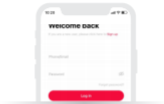
App Operating Instructions

1. Register an account

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



Scan and download the App



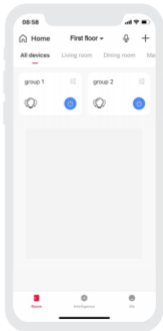
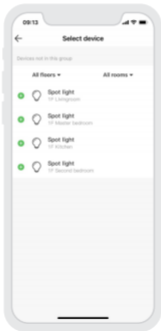
2. Pairing instructions

Create a home if you are a new user. Click "+" icon in the upper right corner and access the "Add device" list. 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 "Bluetooth Search". After the device is found, set the output signal (Default is DMX signal) and the light fixture type, then click "Save".



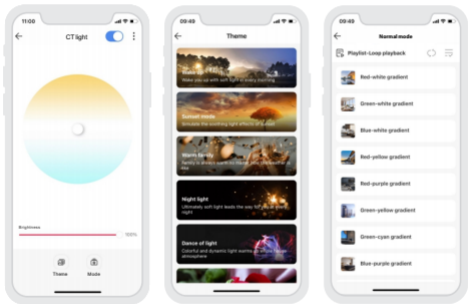
3. Light groups

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 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.



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.

LTECH

蓝牙无线模组

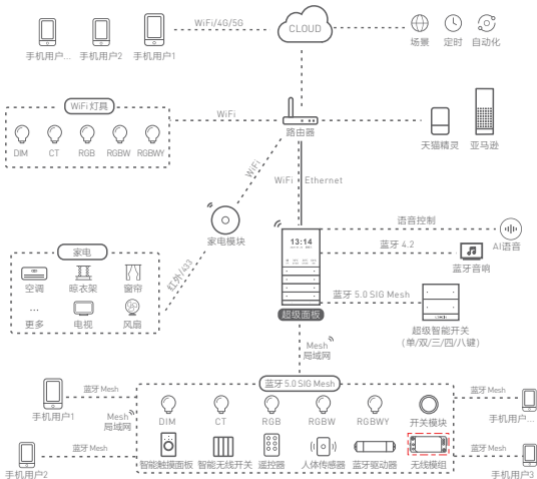
型号: CG-DAM



使用说明书

www.ltech.cn

系统图



产品介绍

- 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；
- 集成DMX、DALI、0-10V输出于一个输出端口；
- DALI带总线电源设计；
- 兼容DIM、CT、RGB、RGBW、RGBWY五种类型LED调光控制输出（0-10V只支持DIM、CT类型）；
- 支持IOS和安卓智能设备蓝牙直连控制；
- 支持在线升级功能，具有超低功耗功能，可连续断上电恢复出厂设置；
- 可设置缓启动渐变时间、通电后灯光状态等，赋予灯光设计高端品质；
- 可搭配超级面板实现语音控制、云场景、云自动化控制。

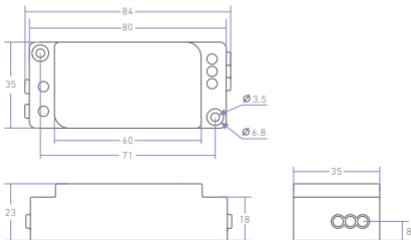
技术参数

型号	CG-DAM
无线类型	Bluetooth 5.0 SIG Mesh
输出信号	DMX / DALI / 0-10V
工作电压	100-240Vac
DALI输出	12Vdc (Max.20mA)
工作温度	-20°C~55°C
产品尺寸	L84×W35×H23(mm)
包装尺寸	L100×W70×H42(mm)
重量(毛重)	30g

产品图示

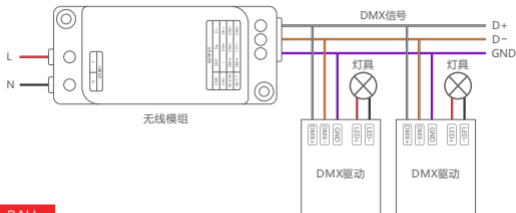


产品尺寸 单位: mm

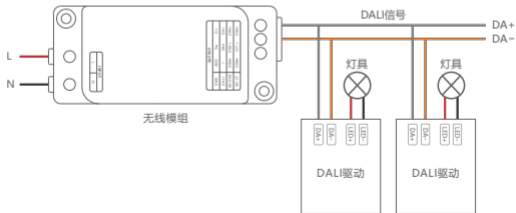


连接应用图

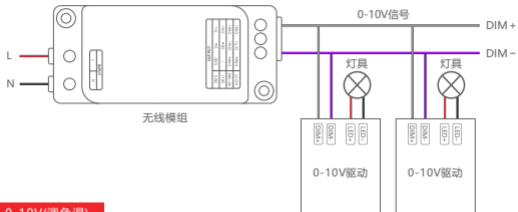
DMX



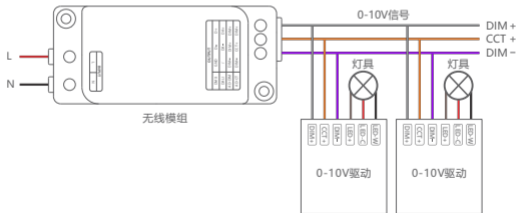
DALI



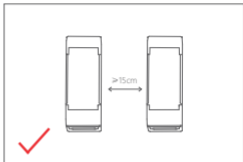
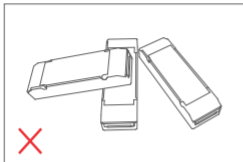
0-10V(调光)



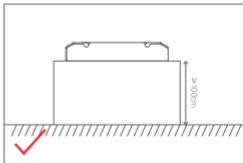
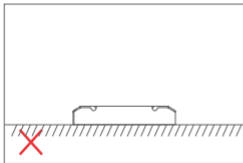
0-10V(调色温)



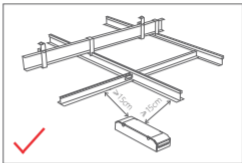
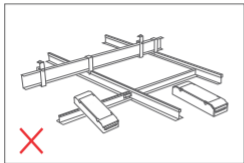
安装注意事项



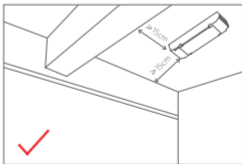
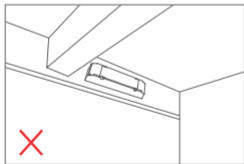
请勿将产品推叠摆放，产品与产品间隔距离应 $\geq 15\text{cm}$ ，避免影响产品散热和使用寿命。



请勿将产品放置地面，与地面间隔距离应 $\geq 100\text{cm}$ ，以免信号干扰影响使用。



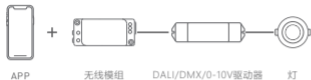
请勿将产品大面积接触金属物体（如：龙骨架），间隔距离应 $\geq 15\text{cm}$ ，以免信号干扰影响使用。



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. 通过APP设置遥控关联蓝牙无线模组后，可实现APP与遥控两种控制方式控制设备。



3. 可视化控制+传统调光面板遥控控制。



4. ...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APP



2. 配对操作

新用户创建家庭后，点击右上角“+”进入添加设备列表，先将蓝牙无线模组按照提示添加完成后，在添加设备列表选择“0-10V/DMX/DALI模块”后，按照提示操作，点击“蓝牙搜索”。搜索完成后，设置输出信号（默认DMX信号）及调光类型，保存成功即可。



3. 灯具群组

同类型的灯具可以组成群组，用户可以对群组进行调色、调光等操作，操作更加便利。在添加列表中选择“群组—彩光RGBWY灯组”，按照界面提示编辑灯组名称后，点击“下一步”，勾选您要组成群组的设备，保存即可。为保证动态效果的统一性，建议将同一信号的设备组成群组再进行控制。



4. 控制界面设置

配对完成后，进入控制界面，可以通过调节颜色色温，亮度达到想要的灯光效果。点击主题，进入主题界面，可一键切换多种主题灯光效果。点击模式，具有可编辑的高级模式。自定义动态模式，让您的生活更加丰富多彩。



5. 高级功能

本产品可以通过与具有网关功能的设备联动（如超级面板），可实现云场景、自动化等高级功能。

常见问题

1. 设备一直搜索不到怎么办？

请检查以下选项：

- 1.1 确保设备正常通电状态；
- 1.2 确保手机与设备两者尽量靠近，建议不超过15米；
- 1.3 确保设备未被添加过，如被添加过，请手动恢复出厂。

2. 如何恢复出厂？

确保蓝牙无线模组已连接灯具且处于常亮状态下，使用蓝牙无线模组连续断通电6次（每次断电时间5秒，通电2秒），第六次通电2秒后，灯具闪烁5次，即表示蓝牙无线模组已恢复到出厂设置状态。

注意事项

- 本产品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，需避免日晒雨淋。如安装在户外，请使用防水箱；
- 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；
- 安装时，避免靠近大面积金属物体，或堆叠摆放，以免信号干扰影响使用；
- 避免安装在雷区、强磁场和高压区域；
- 请检查使用的工作电压是否符合产品的参数要求；
- 通电调试前，确保所有接线正确且牢固，以免短路损坏部件，触发事故；
- 如果发生故障，请勿私自维修；如果有疑问，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，欢迎向我司授权的经销商咨询。

保修条例

- 自出厂之日起保修服务期为2年。
- 在保修服务期内出现产品质量问题雷特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：

- 已经超出保修期限的；
 - 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。
 - 无雷特签订的合同或发票凭证。
1. 修理或更换是雷特对客户唯一补救措施。雷特不承担任何附带引起的损害赔偿
责任，除非在适用法律范围之内。
 2. 雷特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。