

Xiaolei

Wireless Module (Bluetooth to Dry Contact)

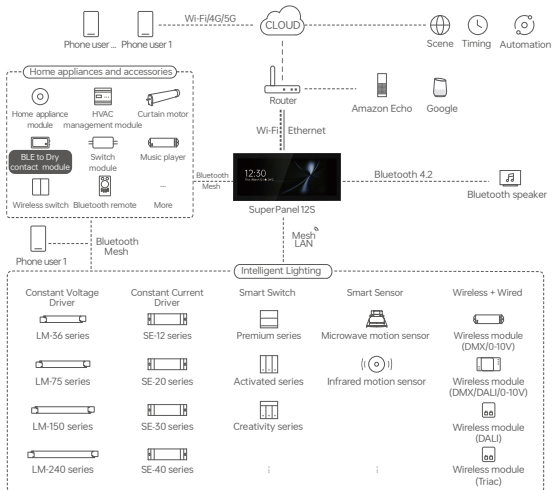
Model: CG-TRIG



Manual

www.xiaolei.com.cn

Application Diagram



Product Features

- Small size, light weight. Housing made from SAMSUNG/COVESTRO's V0 flame retardant PC materials;
- Wide input voltage range, anti-reverse protection;
- 4-channel interface with 15 output logic control dry contact input devices;
- Supports control of third-party smart devices and systems for curtain, 8 combination and 15 combination types;
- Support OTA update, maintain ultra-low power consumption;
- Bluetooth 5.0 SIG Mesh with high networking capacity provides reliable and stable performance;
- Connect our Dry contact to Bluetooth module (CG-TB) to work together so as to link with multiple homes and enable more device connection;
- Features diversified control and allows third-party systems to access our smart home system;
- Support local scenes that still run without the Internet or a gateway. It is faster and more stable;
- When paired with a smart gateway, it can also realize rich automated control, voice control and scene control.

Technical Specs

Model	CG-TRIG
Wireless Protocol Type	Bluetooth 5.0 SIG Mesh
Output Channel	4CH
Input Voltage	5-24V=
Working Temperature	-20°C~55°C
Product Size(L×W×H)	L48×W28×H14(mm)
Package Size(L×W×H)	L52.5×W40×H30(mm)
Weight (G.W.)	20g



Bluetooth®

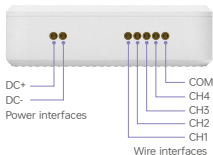


RoHS

Product Images

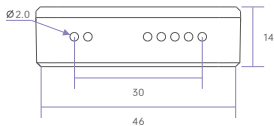
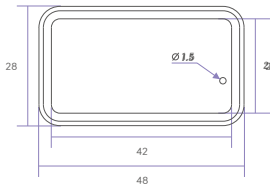


Indicator light



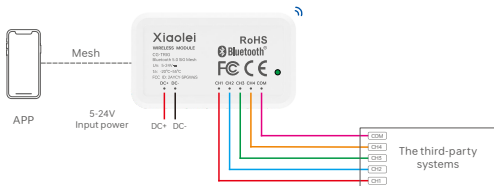
Product Size

Unit:mm

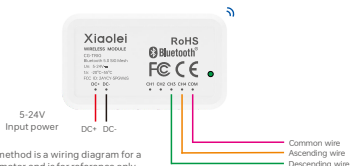


Wiring Diagram

Connect to a controller

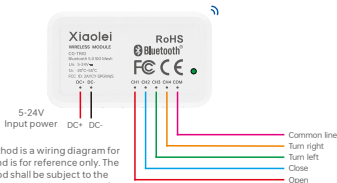


Wiring method of curtain motor



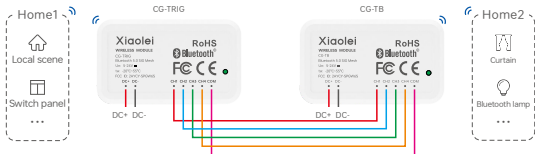
Note: This connection method is a wiring diagram for a certain type of curtain motor and is for reference only. The specific connection method shall be subject to the product manual of the dry contact curtain motor. As shown in the diagram, the ascending wire is connected to CH4 and the descending wire is connected to CH3, which needs to be modified correspondingly in the APP channel settings.

Wiring method of the dreamy curtain motor



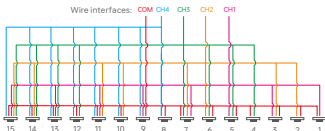
Note: This connection method is a wiring diagram for a specific curtain motor and is for reference only. The specific connection method shall be subject to the product manual of the dry contact curtain motor. If wiring according to the diagram, after upgrading to the latest firmware version, please make corresponding modifications in the APP channel settings according to "CH1: Open, CH2: Close, CH3: Left, CH4: Right".

Connect to multiple homes



Combination Of Wire Interfaces

The 4 channels of the module can be connected as shown in the figure below. Up to 15 scenes can be triggered by combining CH1, CH2, CH3, CH4 together using the binary rule.

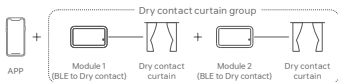


No.1-15 stand for 15 commands

Command	Channel combination	Selectable binding
1	CH1+COM	Switch panel/ switch panel group Super panel key Local scene Automation
2	CH2+COM	
3	CH1+CH2+COM	
4	CH3+COM	
5	CH1+CH3+COM	
6	CH2+CH3+COM	
7	CH1+CH2+CH3+COM	
8	CH4+COM	
9	CH1+CH4+COM	
10	CH2+CH4+COM	
11	CH1+CH2+CH4+COM	
12	CH3+CH4+COM	
13	CH1+CH3+CH4+COM	
14	CH2+CH3+CH4+COM	
15	CH1+CH2+CH3+CH4+COM	

Applications

1. Control third-party dry contact devices: Control the opening/closing/stopping of dry contact curtains/groups.



2. APP and remote control: After setting the remote control to associate with the Bluetooth to dry contact module through the APP, APP and remote control of third-party dry contact devices can be realized.



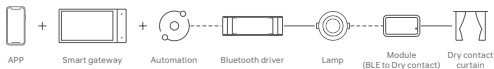
3. Visualization control + traditional dimming panel control: After associating the Bluetooth to dry contact module through the APP, you can control third-party devices.



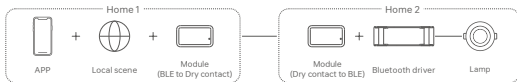
4. Local Scene: Supports triggering local scenarios, works without a gateway, and executes when offline.



5. Automation: Cooperate with an intelligent gateway to realize rich automated control.



6. Inter-family linkage: Cooperating with our dry contact to Bluetooth module can realize device expansion and linkage between different families.



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

App Operating Instructions

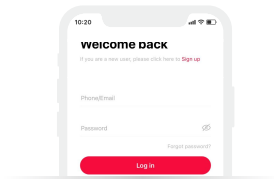
1. Register an account

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



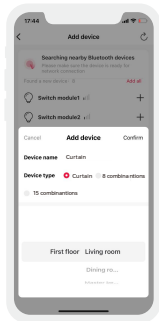
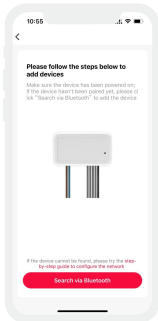
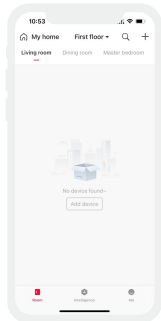
Scan and download the App

1.2 Open the App and log in or register an account.



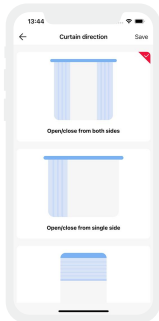
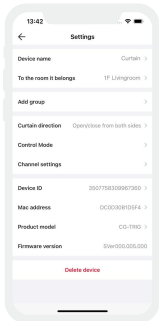
2. Pairing operation

After a new user creates a home on the mobile app, click the **【+】** in the upper right corner to enter the device addition list. First, power on the device and ensure it is in an unconnected state. Then, click "Bluetooth Search". After the "Bluetooth to Dry Contact Module" is successfully searched, click the corresponding "+" and select the device type according to the on-screen prompts.



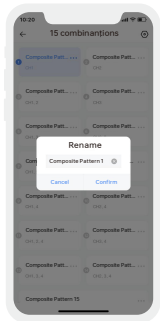
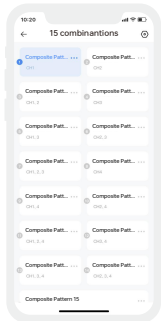
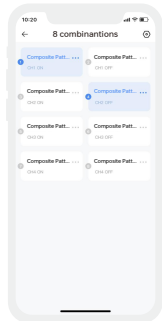
3. Control interface settings

3.1 When "Curtain" is selected as the device type, click on the added curtain card to enter the control interface, where you can perform the open/close/stop operations for the dry contact curtain with one click. Click "Settings" in the upper right corner of the control interface to modify the opening and closing direction of the dry contact curtain (one-way/two-way/up-down opening and closing), control mode (two-wire/three-wire), and the corresponding channel settings for open/close/stop.



3.2 When the device type is selected as 8 combinations, click the added Bluetooth to dry contact card to enter the control interface, where 1-8 combination mode cards and their corresponding channel statuses will be displayed. You can execute with one click by clicking them.

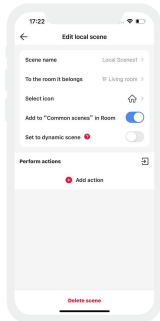
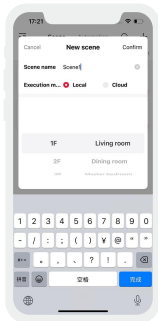
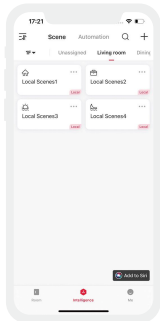
3.3 When the device type is selected as 15 combinations, click the added Bluetooth to dry contact to enter the control interface, where 1-15 combination mode cards and their corresponding channel combination statuses will be displayed. You can execute with one click by clicking them. Click the "... " in the upper right corner of the corresponding card on the control interface to modify the name of the combination mode.



4. Local scene

Create a local scene: Switch to the **【Smart】** page, click "+" in the upper right corner to create a local scene, and after setting the execution action, you can realize the local linkage of Bluetooth devices.

Binding local scenes: On the control details page, click on the corresponding key, and set the binding scene. Once saved successfully, a short press of the button will immediately execute the bound scene.

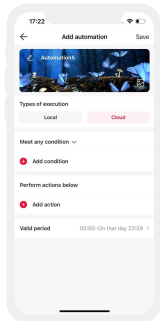
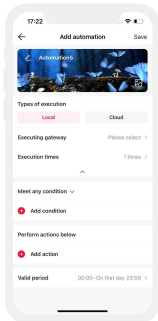
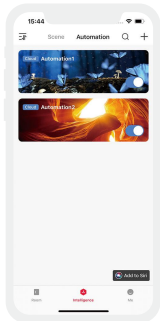


5. Cloud scenes and automation

Make sure that a smart gateway, such as Super Panel 12S, has been added to the family.

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

Automation: Select “Automation” in the **Smart** page and click “+” to create automation. You can choose local/cloud execution mode, and set trigger conditions and execution actions. When the set trigger conditions are met, a series of device actions are automatically triggered to achieve remote linkage.



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?

Turn the BLE wireless module off with the switch. After 5s, turn it on. After 2s, turn it off again.

Repeat the same operation 6 times. When the lamp flashes 5 times , reset it to factory defaults successfully.

Attentions

- Product installation and commissioning should be done by a qualified professional.
- LTECH 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 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. The warranty that issues in writing shall prevail.

Xiaolei

蓝牙转干接点模组

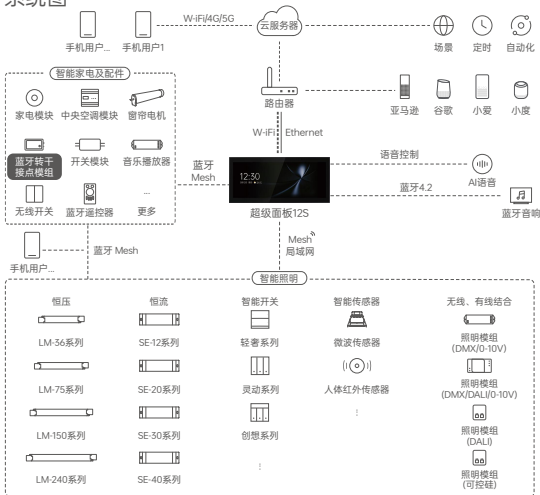
型号: CG-TRIG



使用说明书

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系统图



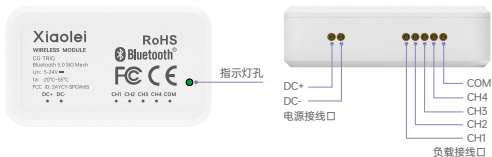
产品介绍

- 体积小、重量轻，科思创/三星PC阻燃V0级原料外壳；
- 宽输入电压设计，防反接保护；
- 4通接口15个输出逻辑控制干接点输入设备；
- 支持窗帘、8组合和15组合类型控制第三方智能设备及系统；
- 支持OTA升级，具有超低功耗功能；
- Bluetooth 5.0 SIG Mesh 通信协议，组网能力强，可靠稳定；
- 结合我司干接点转蓝牙模组，还可连接不同家庭，实现系统设备扩容及更多功能组合；
- 多样化控制，支持第三方系统接入我司智能家居系统；
- 支持本地场景，去网关，断网可控，更快更稳定；
- 搭配智能网关还可实现丰富的自动化控制、语音控制以及场景控制。

技术参数

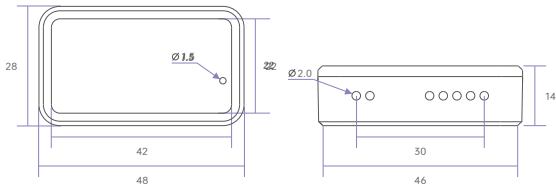
型号	CG-TRIG
无线类型	Bluetooth 5.0 SIG Mesh
接点通道	4CH
输入电压	5-24V=
工作温度	-20°C~55°C
产品尺寸	L48×W28×H14(mm)
包装尺寸	L52.5×W40×H30(mm)
重量(毛重)	20g

产品图示



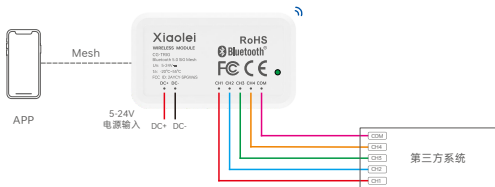
产品尺寸

单位: mm

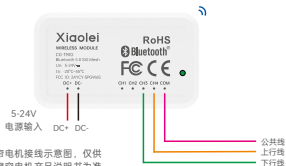


连接图

控制器接线方式

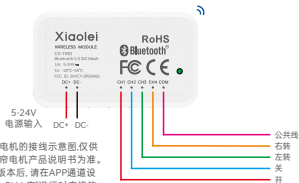


窗帘电机接线方式



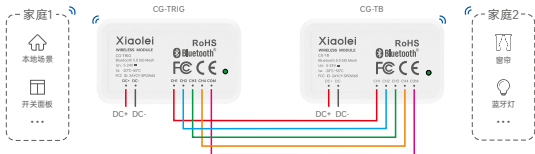
注意：此连接方式为某一款窗帘电机接线示意图，仅供参考。具体连接方式以干接点窗帘电机产品说明书为准。图示上行线接CH4，下行线接CH3，需在APP通道设置里进行对应修改。

梦幻帘电机接线方式



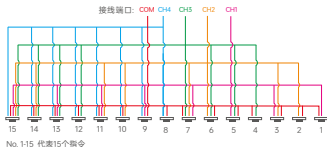
注意: 此连接方式为某一款窗帘电机的接线示意图, 仅供参考, 具体连接方式以干接点窗帘电机产品说明书为准。如按图示接线, 升级至最新固件版本后, 请在APP通道设置里按“CH1:开, CH2:关, CH3:左, CH4:右”进行对应修改。

家庭联动接线方式



接线口组合搭配

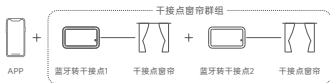
干接点的4个通道可通过下图方式连接，可触发15个场景。
(CH1 CH2 CH3 CH4 以二进制组合方式来对应)。



指令	通道组合	可绑定功能
1	CH1+COM	开关面板/ 开关面板组 超级面板按钮 本地场景 自动化...
2	CH2+COM	
3	CH1+CH2+COM	
4	CH3+COM	
5	CH1+CH3+COM	
6	CH2+CH3+COM	
7	CH1+CH2+CH3+COM	
8	CH4+COM	
9	CH1+CH4+COM	
10	CH2+CH4+COM	
11	CH1+CH2+CH4+COM	
12	CH3+CH4+COM	
13	CH1+CH3+CH4+COM	
14	CH2+CH3+CH4+COM	
15	CH1+CH2+CH3+CH4+COM	

应用搭配

1. 控制第三方干接点设备: 控制干接点窗帘/组的开/关/停。



2. APP以及遥控控制: 通过APP设置遥控关联蓝牙转干接点模组后，可实现APP与遥控控制第三方干接点设备。



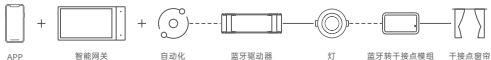
3. 可视化控制+传统调光面板控制: 通过APP关联蓝牙转干接点模组后, 即可实现控制第三方设备。



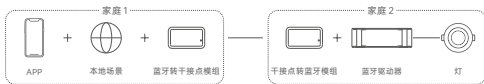
4. 本地场景: 支持触发本地场景, 去网关, 断网执行。



5. 自动化: 搭配智能网关实现丰富的自动化控制。



6. 不同家庭联动: 搭配我司干接点转蓝牙模组可实现设备扩容, 联动不同家庭。



7. ...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。



扫码下载APP

1.2 打开APP进行登录/注册操作。



2. 配对操作

新用户在手机APP上创建家庭后，点击右上角【+】进入添加设备列表，先将设备接通电源，确保设备处于未入网状态，然后点击“蓝牙搜索”，等待“蓝牙转干接点模组”成功搜索后，点击对应的“+”按照界面提示，选择设备类型。



3. 控制界面设置

3.1 当设备类型选择的是窗帘时，点击已添加的窗帘卡片进入控制界面，即可一键执行干接点窗帘对应的开/关/停操作。点击控制界面右上角“设置”，可修改干接点窗帘开合方向(单向/双向/上下开合)、控制模式（二线/三线）及开/关/停对应通道设置。



3.2 当设备类型选择8组合时，点击已添加的蓝牙转干接点卡片进入控制界面，显示1-8个组合模式卡片及对应通道状态，点击即可一键执行。

3.3 当设备类型选择15组合时，点击已添加的蓝牙转干接点进入控制界面，显示1-15个组合模式卡片及对应通道组合状态，点击即可一键执行。

点击控制界面对应卡片右上角“...”，可修改组合模式名称。



4. 本地场景

创建本地场景：切换到【智能】界面，点击右上角“+”创建本地场景，设置执行动作后，即可实现蓝牙设备的本地联动。

绑定本地场景：在控制详情页面，点击对应按键并设置绑定场景，保存成功后，通过短按按键立即执行所绑定的场景。



5. 云场景与自动化

确保家庭内已添加智能网关，如超级面板12S。

云场景：切换到【智能】界面，点击“+”创建云场景。设置执行动作后，即可实现远程联动。

自动化：在【智能】界面中选择“自动化”，点击“+”创建自动化。可选择本地/云端执行方式，以及设置触发条件及执行动作。当满足已设置的触发条件时，自动触发一系列设备动作，实现远程联动。



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？

使用开关让蓝牙转干接点模组连续通断电6次(每次断电时间5秒，通电2秒)，第六次通电2秒，指示灯闪烁5次，即表示蓝牙转干接点模组已恢复到出厂设置状态。

注意事项

- 请由具有专业资格的人员进行调试安装。
 - 雷特产品（专有型号除外）不能防水防雷，需避免日晒雨淋，如安装在户外，请用防水箱和防雷装置。
 - 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。
 - 请检查使用的工作电压是否符合产品的参数要求。
 - 使用的电线直径大小必须能够负载连接的LED灯具，并确保接线牢固。
 - 通电调试前，应确保所有接线正确，以避免因接线错误而导致灯具损坏。
 - 如果发生故障，请勿私自维修；如有疑问，请联系供应商。防水箱和防雷装置。
- * 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5年。
- 在保修服务期内出现产品质量问题雷特科技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：

- 已经超出保修服务期；
- 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；
- 无雷特科技签订的合同或发票凭证。

1.修理或更换是雷特科技对客户的最唯一补救措施。雷特科技不承担任何附带引起的损害赔偿，除非在适用法律范围之内。

2. 雷特科技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。