LTECH

Switch Module

Model: KBS

Manual

System Diagram

Phone user ... Phone user 1 — Wi-Fi/4G/5G — CLOUD — Scene | Timing | Automation

Home appliances & accessories
- Home appliance module
- HVAC management module
- Curtain motor
- Dry contact module
- Relay
- Music player
- Wireless switch
- Bluetooth remote
- ... More

Router — Amazon Echo | Google

Wi-Fi | Ethernet

Bluetooth Mesh — Super Panel 12S — Bluetooth 4.2 — Bluetooth speaker

12:30

Phone user 1 — Bluetooth Mesh

Mesh LAN

Intelligent Lighting

Constant Voltage Driver	Constant Current Driver	Smart Switch	Smart Sensor	Wireless + Wired
LM-36 series	SE-12 series	Premium series	Microwave motion sensor	Wireless module (DMX/0-10V)
LM-75 series	SE-20 series	Activated series	Infrared motion sensor	Wireless module (DMX/DALI/0-10V)
LM-150 series	SE-30 series	Creativity series	...	Switch Module
LM-240 series	SE-40 series	...	...	Wireless module (Triac)

1

Product Introduction

- Bluetooth 5.2 SIG Mesh communication protocol, offering strong networking capabilities, reliability, and stability.
- Equipped with dual-relay functionality, enabling control of two sets of lighting devices.
- Supports both mechanical and push switches. Even if the light is manually turned off, remote control via the APP remains available, meeting diverse needs.
- Supports OTA (Over-the-Air) online upgrades, ensuring timely feature updates and usage safety, keeping the product up-to-date.
- Supports direct connection to devices via smartphone, allowing direct control through the APP.
- Supports gateway-free control, enabling LAN remote control, wireless panels, group control, and more.
- Supports integration with a smart gateway to enable remote control of home devices, making life more convenient..
- Compact size, allowing easy installation in European, American, and national standard junction boxes, suitable for various installation scenarios.
- Supports power-off reset functionality and mechanical key reset functionality.

Technical Specs

Model	KBS
Wireless type	Bluetooth 5.2 SIG Mesh
Switch channel	2CH
Operating voltage	100-240V~
Load parameters	Resistive load：1000W@230Vac/CH，500W@110Vac/CH，Max.2000W capacitive load：400W@230Vac/CH，200W@110Vac/CH，Max.800W
Working temperature	-25℃~50℃
Product size	L45×W45.5×H20.5(mm)
Product weight	30g

Product Images

Connect to the lamp

Indicator light

Reset key

Antenna

L、N

Mechanical switch/ Push switch input terminals

OUTPUT L2 L1

MATCH

AC IN L N

PUSH S1 S2
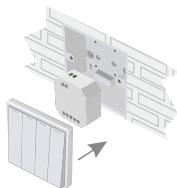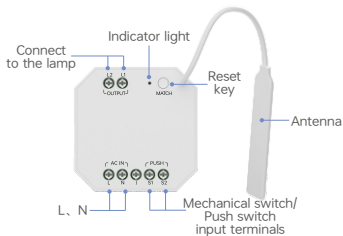
Put the product into the junction box

Product Size

Unit：mm

45

53

45.5

20.5

45.5

Wiring Diagram

1. Two mechanical switches control one relay each.

2. One mechanical switch controls two relays.

3. Two push switches control one relay each.

4. One push switch controls two relays.

Light 1

Light 2

Mechanical switch

Push switch

L
N
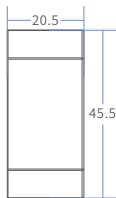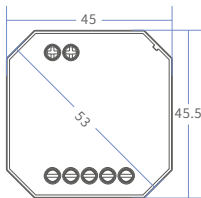
Recommended Applications

1. Wireless light control

APP + Switch module — Light
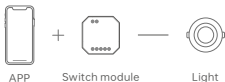
2. After setting up the remote control association with the switch module via the APP, both the APP and the remote control can be used to control the device.

APP + Remote control + Mechanical switch/ Push switch — Switch module — Light
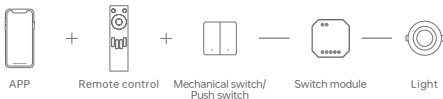
3. Supports local scenes, gateway-free operation, and controllable even when offline.

APP + Wireless switch + Home appliance module + Switch module — Light
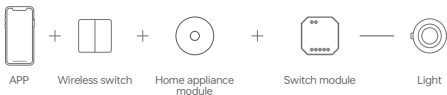
4. Work with intelligent gateway, it can realize visual control, cloud scene and automatic linkage.

APP + Super panel 6S + Remote control + Wireless switch + Home appliance module + Switch module — Light
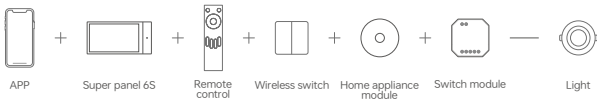
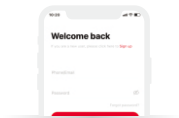5. ...Intelligent control. Set up more app configs as you like.

App Operating Instructions

1. Register an account

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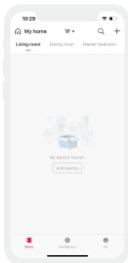

Scan code download APP
IOS/Android

2. Pairing operation

After creating a new home in the APP, click the "+" in the upper right corner on the 【Room】interface to add devices. Select "Smart Module" from the device list and follow the on-screen instructions to complete the addition.

3. Binding interface settings

After pairing is completed, enter the binding interface for the smart remote control/smart wireless switch. Select the switch module device to associate it, and then you can control the device's on/off function using the smart remote control/smart wireless switch. You can also unbind the device from this interface.
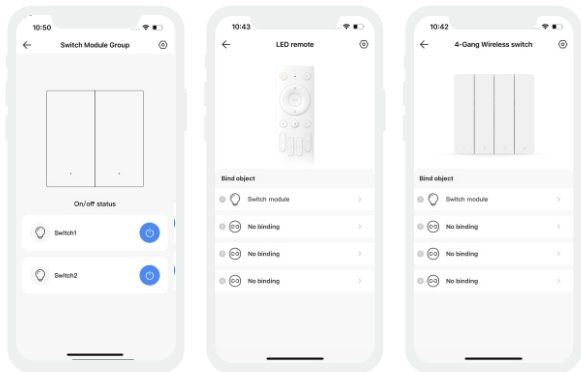
4. Light fixture group

The same type of lighting fixtures can be grouped together, allowing users to control power on/off and other operations for the entire group, making operations more convenient. Switch to the "Group" menu, click the "+" icon in the upper right corner, follow the prompts to modify the group name, then click "Next," select the devices you want to include in the group, and save.
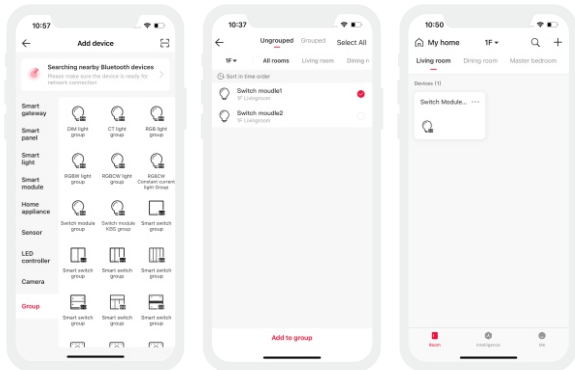
5. Local scene

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.
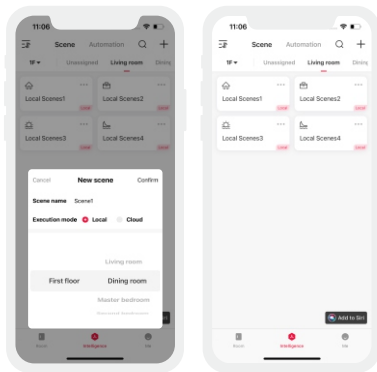
6. Cloud scenes and automation

Make sure that a smart gateway, such as SP-GW-6S，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
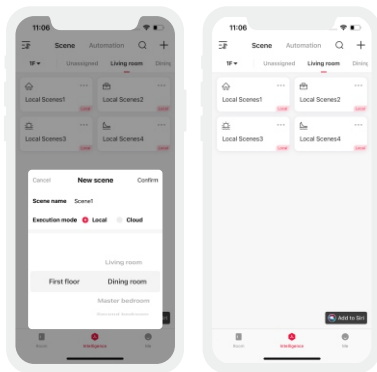
Reset To Factory Defaults

Mechanical Reset: Connect device to lighting fixture. Hold reset button for 15s until indicator light flashes red rapidly, then release. Press reset button 3 times briefly within 3s. Slow red flash means factory settings restored; rapid blue flash means setup is complete.

Power Cycle Reset: With power off, switch device on for 15s then off. Repeat power on/off 6 times (2s on, 5s off each). On 7th power-on, connected fixture blinks 3 times, showing factory settings restored.

APP Reset: Click the "•••" on the switch module to enter the main interface, then click the "⊙" in the upper right corner to access the settings interface. Click "Delete Device" to complete the reset.
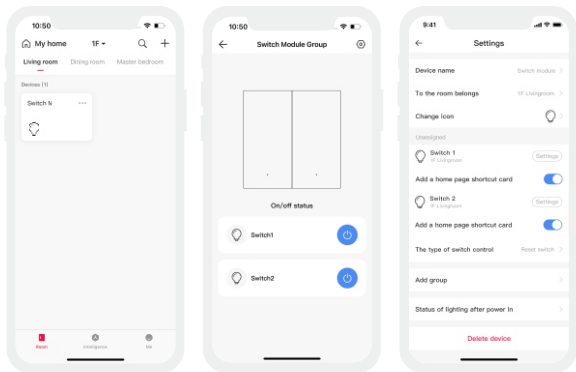
FAQ

What should I do if the device cannot be found during the search?

Please check the following options:

- Ensure the device is powered on and functioning properly.
- Ensure the phone and the device are as close as possible, preferably within 15 meters.
- Ensure the device has not been added before. If it has, please manually restore it to factory settings.

Attention

- 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 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.

Warranty Agreement

- Warranty periods from the date of delivery: 5 years.
- Free repair or replacement services for quality problems are provided within warranty periods.
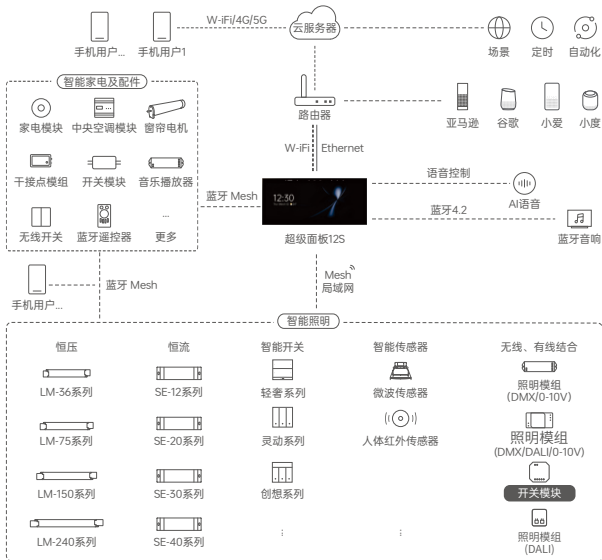
Warranty exclusions below:

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 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.

＊ 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.

LTECH

双 路 开 关 模 块

型号: KBS

使 用 说 明 书

www.ltech.cn

系统图

手机用户... 手机用户1 ── W-iFi/4G/5G ── 云服务器 ── 场景 定时 自动化

智能家电及配件
- 家电模块
- 中央空调模块
- 窗帘电机
- 干接点模组
- 开关模块
- 音乐播放器
- 无线开关
- 蓝牙遥控器
- 更多
- ...

路由器 ── 亚马逊 谷歌 小爱 小度

W-iFi / Ethernet

蓝牙 Mesh ── 超级面板12S

12:30

语音控制 ── AI语音

蓝牙4.2 ── 蓝牙音响

手机用户... ── 蓝牙 Mesh

Mesh 局域网

智能照明

恒压	恒流	智能开关	智能传感器	无线、有线结合
LM-36系列	SE-12系列	轻奢系列	微波传感器	照明模组 (DMX/0-10V)
LM-75系列	SE-20系列	灵动系列	人体红外传感器	照明模组 (DMX/DALI/0-10V)
LM-150系列	SE-30系列	创想系列		开关模块
LM-240系列	SE-40系列	⋮	⋮	照明模组 (DALI)

1

产品介绍

- Bluetooth 5.2 SIG Mesh通信协议，组网能力强，可靠稳定；
- 具备双路继电器功能，能够操控两组照明设备；
- 支持机械式和复位式两种开关，即使手动关灯，APP远程控制依旧可用，满足多样化需求；
- 设备支持OTA在线升级，确保功能及时更新和使用安全，让产品常用常新；
- 支持手机直接连接设备，能够通过APP实现对设备的直接操控；
- 支持无网关控制，可实现局域网遥控，无线面板，群组等控制；
- 支持搭配智能网关实现远程控制家中设备，使生活更便捷；
- 体积小巧，可轻松安装在欧规、美规和国标底盒内，适配多种安装场景；
- 支持断上电复位功能和机械按键复位功能。

技术参数

产品型号	KBS
无线类型	Bluetooth 5.2 SIG Mesh
开关通道	双通道
工作电压	100-240V~
负载参数	阻性负载：1000W@230Vac/CH，500W@110Vac/CH，Max.2000W。 容性负载：400W@230Vac/CH，200W@110Vac/CH，Max.800W。
工作温度	-25℃~50℃
产品尺寸	L45×W45.5×H20.5(mm)
产品重量	30g
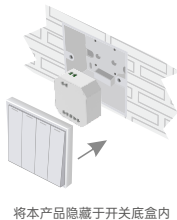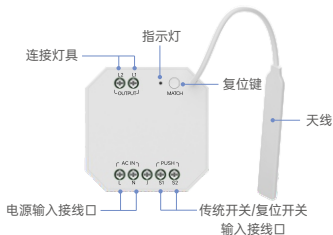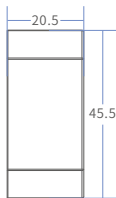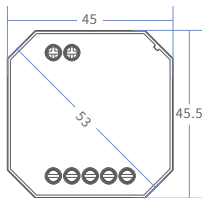
产品图示

连接灯具
指示灯
复位键
天线
电源输入接线口
传统开关/复位开关
输入接线口
将本产品隐藏于开关底盒内

产品尺寸

单位：mm

45
53
45.5
20.5
45.5

接线应用

1. 两路机械开关分别控一路继电器

负载1
负载2

机械开关

火线L
零线N

2. 一路机械开关控两路继电器

负载1
负载2

机械开关

火线L
零线N

3. 两路复位开关分别控一路继电器

负载1
负载2

复位开关

火线L
零线N

4. 一路复位开关控两路继电器

负载1
负载2

复位开关

火线L
零线N

应用组合

1.无线控制灯具。

APP ＋ 开关模块 ─── 灯
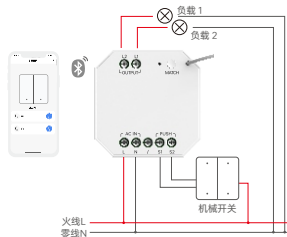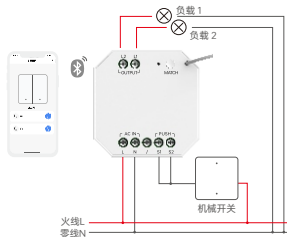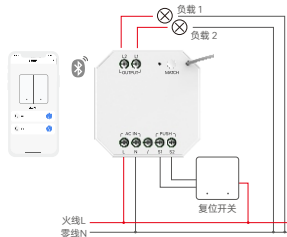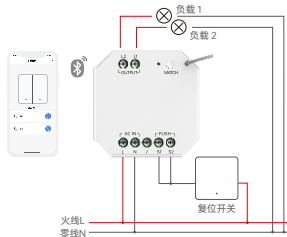
2.通过APP设置遥控关联开关模组后，可实现APP与遥控两种控制方式控制设备。

APP ＋ 遥控器 ＋ 复位开关/机械开关 ─── 开关模块 ─── 灯

3.支持本地场景，去网关，断网可控。

APP ＋ 无线开关 ＋ 家电模块 ＋ 开关模块 ─── 灯

4.搭配智能网关，实现可视化控制、云场景、云自动化、本地自动化联动。

APP ＋ 超级面板6S ＋ 遥控器 ＋ 无线开关 ＋ 家电模块 ＋ 开关模块 ─── 灯

5....智能控制，更多应用搭配等您来设置。

5

APP操作说明

1.账号注册

通过手机扫描下方二维码，按提示完成APP安装。然后打开APP进行登录/注册操作。
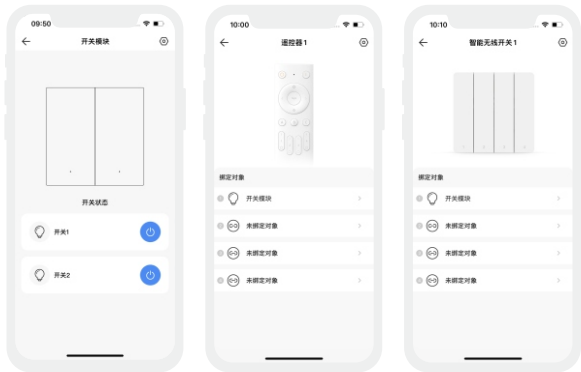

扫码下载APP
IOS/Android

2. 配对操作

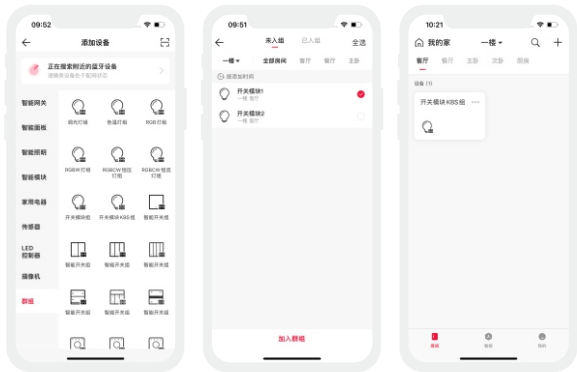新用户在APP上创建家庭后，在【房间】界面点击右上角"+"进行添加，在添加设备列表中选择"智能模块"后，按照界面提示完成添加即可。

3. 绑定界面设置

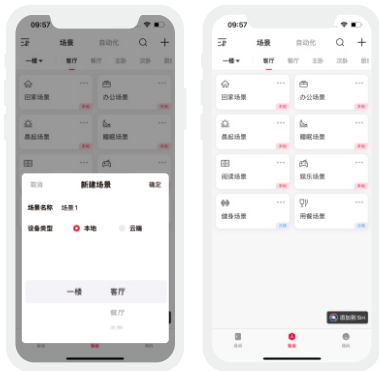配对完成后，进入智能遥控器/智能无线开关绑定对象界面，选择开关模块设备进行关联后，可通过智能遥控器/智能无线开关控制设备开关，同时也可以在该界面解除绑定设备。

4. 群组控制

同类型的开关模块可以组成群组，用户可以对群组进行控制通断电等操作，操作更加便利。进入添加设备列表，选择"群组-开关模块KBS组"，按照提示修改群组名称后，点击"下一步"勾选您要组成群组的设备，保存即可。

5. 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。

6. 云场景与自动化

确保家庭内已添加智能网关，如超级面板6S

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。

7. 恢复出厂设置

机械复位: 确保设备连接灯具并常亮，长按复位键15秒至指示灯红色快闪后松开，3秒内再短按复位键3次，红色指示灯慢闪表示恢复出厂设置，蓝色快闪表示设置完成。

断电上电复位: 在断电的情况下，使用开关让设备通电15秒后断电，再连续通断电6次（每次通电2秒，断电5秒），第7次通电后，负载灯具闪烁3次，即表示已恢复到出厂设置状态。

APP复位: 点击开关模块的"···"进入主界面，再点击右上角"◎"进入设置界面，点击"删除设备"即可。

常见问题

设备一直搜索不到怎么办？

请检查以下选项：

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

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；
- 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；
- 请检查使用的工作电压是否符合产品的参数要求；
- 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唯一补救措施。雷特科技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。