

Xiaolei

Smart Switch

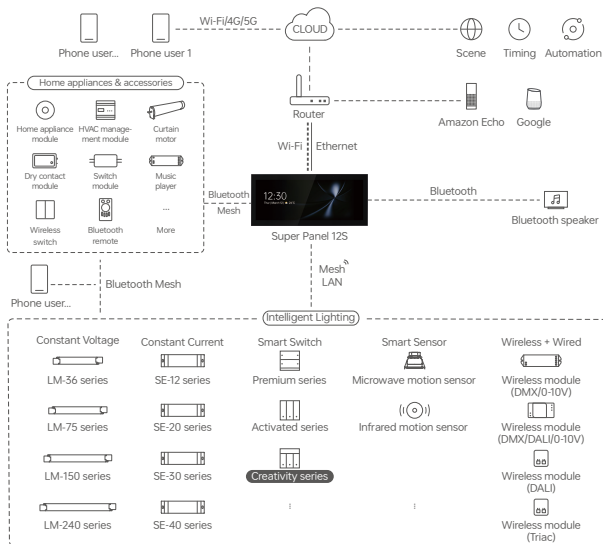
(1-Gang / 2-Gang / 3-Gang)



Manual

www.xiaolei.com.cn

System Diagram



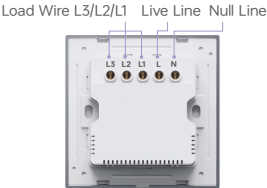
Product Features

- Customize and show text and icons on the PMOLED display, more intuitive and clear.
- Act as a relay with Bluetooth 5.0 SIG Mesh, turning traditional lamps into smart ones.
- Support panel grouping that allows you to control multiple panels simultaneously.
- Work with a Bluetooth LED driver to turn lights on/off and change brightness or colors of lights.
- Work with a gateway device to achieve various cloud scenes and automation.
- Support local scenes that can still run without the Internet or a gateway. Faster and more stable.
- Designed with 86 type junction box. Available in over 400 panel combinations using the unified panel mounting frames.

Technical Specs

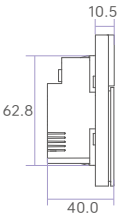
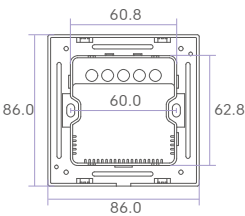
Model	S1 PRO	S2 PRO	S3 PRO
Wireless Type	Bluetooth 5.0 SIG Mesh		
Power Supply	Null and live line powered		
Rated Parameter	100-240V~, 50/60Hz, μ		
Maximum Current	$\leq 10A$		
Single Load	LED $\leq 200W$, $\odot \leq 400W$		
Channel of Load	1 Channel	2 Channels	3 Channels
Inrush Current in Loads	Max. 65A@2ms		
Working Environment	-20°C~55°C, Humidity $\leq 80\%$ RH		
Net Weight	158g	166g	173g
Dimensions	86×86×40mm (L×W×H)		
Colors Available	Grey, Gold, White		

Product Images



Product Size

Unit: mm

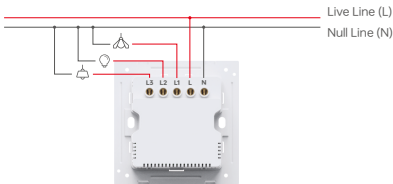


Installation Steps

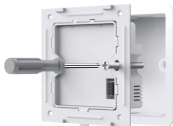
- ① Turn off the circuit breaker and remove any concrete or corrosion that are inside the 86 type wall box. Trim each power cord wire in the wall box to about 10cm in length. Pry the switch plate up with a flat head screwdriver.



- ② Attach the live line to L socket of the switch and the null line to N socket, and the load wire to L1/L2/L3 socket. Make sure the wires are well connected to the switch terminals with no copper wire exposed.
(The protection device for the electronic switch cannot be greater than 35A)



- ③ Insert the screws into the hole on two sides of the switch and secure the screws to fit the switch to the wall with a screwdriver.



- ④ Slant the switch plate and put it in place. Finally, turn on the circuit breaker and press any key of the switch. If the light can be controlled normally, it means the switch has been installed correctly.



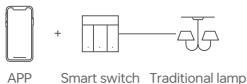
Step 1:
Snap the switch plate down

Step 2:  Snap on the switch plate on the bottom

Note: If you want to install multiple panels into one row, please refer to the panel mounting frame manual for detailed instructions.

Recommended Applications

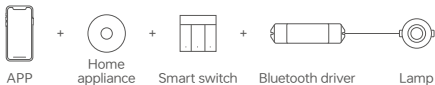
1. Connect to traditional lamps and turn them into smart ones.



2. Work with a Bluetooth LED driver to wirelessly control lamps.



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



4. Work with a smart gateway to realize visual control and automation.



5. Intelligent control. Set up more app configs as you like.

App Operating Instructions

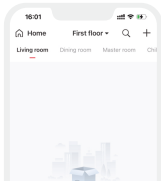
1. Register an account

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



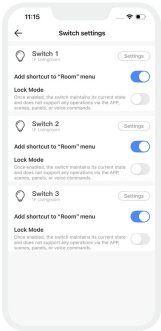
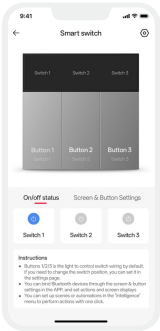
2. Connect to the network

Create a home if you are a new App user. Click 【 + 】 icon in the upper right corner of "Room" interface to access "Add device" page. Pick 【Smart panel】 from the list and follow the on-screen prompts to add the device.



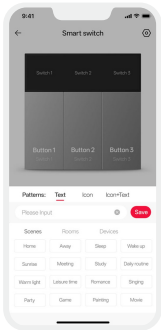
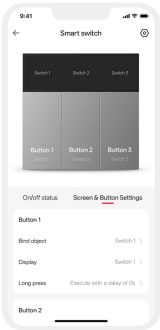
3. Relay individual control function

Select "On/off status" at the bottom of the control details page to directly control the relay. In the "Switch Settings" option on the **【Settings】** page, you can set the relay shortcut card.



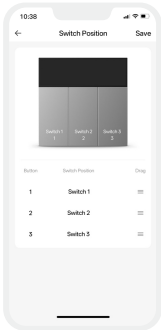
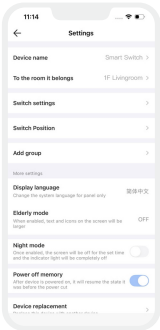
4. Device binding and screen display settings

On the control details page, select the screen, click the button to set the bound object and short/long-press action. You can also set the screen display content. Save after setup.



5. Adjustment of the switch's default position

On the 【Settings】 page, you can customize the default position of the relay in the "Switch Position" option to achieve personalized device configuration.



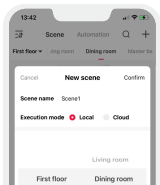
6. Local scene

Create a local scene:

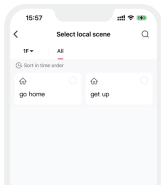
Switch to the **【Smart】** page, click "+" in the upper right corner to create a local scene, and after setting the execution action, you can realize the local linkage of Bluetooth devices.

Bind local scenes:

In the [Control] interface, long-press the corresponding button or switch to "Screen & Button Settings", select the binding object [Local Scenarios]. After saving successfully, short-press the smart switch button to execute the bound local scenario.



Create a local scene



Bind a local scene

7. Cloud scenes and automation

Make sure that a smart gateway, such as SP-GW-12S has been added to the family.

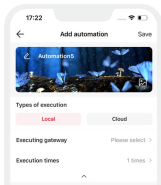
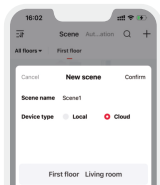
Cloud scenes:

Switch to the **【Smart】** interface and click "+" to create a cloud scene. After setting the execution action, remote linkage can be achieved.

Automation:

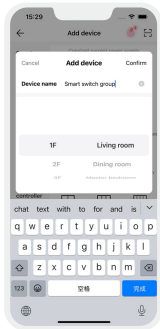
Select "Automation" in the **【Smart】** page and click "+" to create automation. You can choose local/cloud execution mode, and set trigger conditions and execution actions. When the set trigger conditions are met, a series of device actions are automatically triggered to achieve remote linkage.

Note: Smart switches can be set as trigger conditions or as execution actions.



8. Create a smart switch group

On the "Room" page, tap the **【+】** icon in the upper right corner to add a device. In the Add Device menu, select **【Group – Smart switch group】**. Create the group, set the group name and assigned room, then tap the devices to be added to the group. After successful creation, the sub-devices within the group will synchronize data of the smart switch group, enabling the multi-location one-control solution.



FAQs

1. How to reset a switch to factory defaults?

Long press the rightmost switch button for 15s(S1 PRO=only switch button, S2 PRO=second switch button,S3 PRO=third switch button) and release it until all the indicator lights flash fast. Within 3s,short press the same switch button 3 times and the indicator light flashes slowly, which means the switch has been reset to factory defaults.

2. What should I do if I fail to search the device via APP?

Please check below:

- Please make sure the device is powered on normally and is in the activated state.
- Please keep you mobile phone and device as close as possible. The recommended distance between them is no more than 15 meters.
- Please make sure the device hasn't been added yet. If it has, please reset the device to factory defaults manually.

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 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: 2 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 company or our official distributors if you have any question.

Xiaolei

智能开关

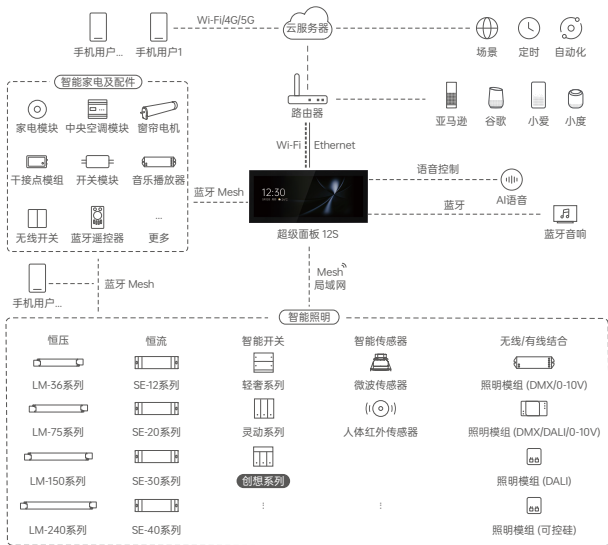
(单键 / 双键 / 三键)



使用说明书

www.xiaolei.cn

系统图



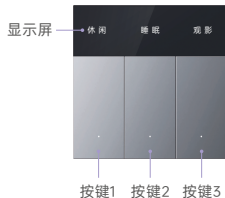
产品介绍

- PMOLED显示屏，可自定义中英文、图标等多种显示方式，更直观清晰；
- 蓝牙 5.0 SIG Mesh 通信协议搭配继电器，传统灯具秒变智能；
- 支持面板组功能，轻松实现多地一控；
- 搭配无线蓝牙驱动器，实现灯光开关、调光、调色控制；
- 搭配智能网关可实现丰富的云场景、云自动化、本地自动化控制方式；
- 支持本地场景，去网关，断网可控，更快更稳定；
- 标准86底盒设计，400+联排组合，一体化安装框架。

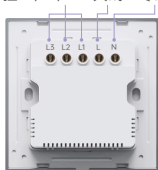
规格参数

产品型号	S1 PRO	S2 PRO	S3 PRO
无线类型	Bluetooth 5.0 SIG Mesh		
供电方式	零火线供电		
额定参数	100-240V~, 50/60Hz,μ		
最大电流	≤10A		
单路负载	LED≤200W, ☀ ≤400W		
负载路数	1路	2路	3路
负载抗浪涌电流	Max. 65A@2ms		
工作环境	-20°C~55°C，湿度≤80%RH		
产品净重	158g	166g	173g
产品尺寸	86×86×40mm (L×W×H)		
颜色类型	莫奈灰、梵高金、雷曼白		

产品图示

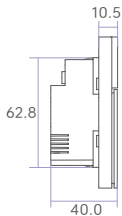
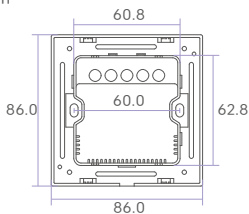


灯控L3/L2/L1 火线 零线



产品尺寸

单位: mm

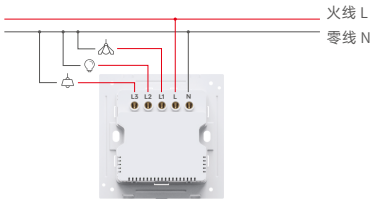


安装步骤

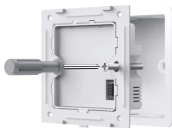
- ① 关闭电源总闸，并确认86暗盒内壁无水泥等附着物，将暗盒内的电源线长度修减至10CM左右，使用一字螺丝刀撬开智能开关底盒。



- ② 将火线接入智能开关L接口，零线接入N接口，各路灯控线依次接入L1/L2/L3接口，确认电源线与开关接线柱接触良好，无裸露的铜线。
(电子开关的前置保护装置不能高于35A)



- ③ 用螺丝将底盒固定到墙壁暗盒中，使底盒贴合墙面。



- ④ 倾斜面板并扣合在底盒上，开启电源总闸，按下智能开关按键，可正常控制灯光即说明安装正确。



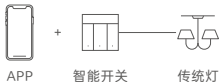
第一步: 向下扣合

第二步: 底部扣合

注：若需联排安装，具体安装方法请参考联排边框使用说明书。

应用组合

1. 连接传统灯具，秒变智能灯具。



2. 搭配蓝牙驱动器，实现无线控制灯具。



3. 支持本地场景，去网关，断网可控。



4. 搭配智能网关，实现可视化控制，云场景、自动化联动。



5. ...智能控制，更多应用搭配等您来设置。

APP操作说明

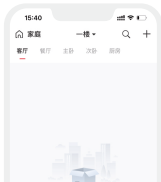
1. 账号注册

通过手机扫描下方二维码，按提示完成APP安装后即可进行登录/注册操作。



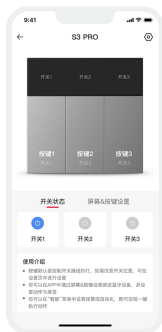
2. 配网操作

新用户 in 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【智能面板】后，按照界面提示完成添加即可。



3. 继电器单独控制功能

选择控制详情页面下方的“开关状态”即可直接控制继电器。
在【设置】页面的“开关设置”选项可设置继电器快捷卡片。



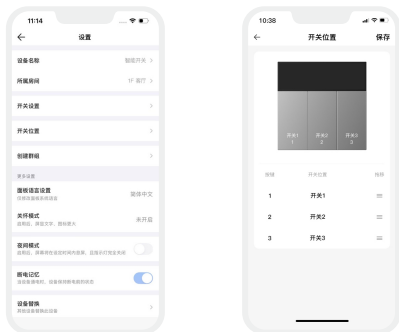
4. 绑定设备和屏显设置

在控制详情页面，选择对应屏幕，点击对应按键并设置绑定对象和短按/长按动作，同时可设置对应屏显内容，设置完成后，保存即可。



5. 开关默认位置调整

在【设置】页面的“开关位置”选项可自定义继电器的默认位置，实现个性化的设备配置。



6. 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】界面中，长按对应按键或切换到“屏幕&按键设置”，选择绑定对象【本地场景】保存成功后，短按智能开关按键即可执行所绑定的本地场景。



创建本地场景



绑定本地场景

7. 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。

注：智能开关既可设置为触发条件，亦可作为执行动作。



8. 创建智能开关组

在“房间”界面点击右上角【+】进行添加，在添加设备中选择【群组—智能开关组】，创建群组并设置群组名称及所属房间，点击要加入组的设备即可。创建成功后，群组内的子设备将同步智能开关组的数据，实现多地一控方案。



常见问题

1. 如何恢复出厂设置？

长按最右边按键15秒(S1 PRO唯一按键、S2 PRO第二个按键、S3 PRO第三个按键)，直到所有按键指示灯快闪后松开，在3秒内短按同一按键3次，指示灯慢闪，设备恢复到出厂状态后，指示灯快闪3秒。

2. 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，并且处于激活状态；
- 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。

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足够负载连接的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；如果有疑问，请联系供应商。

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。
- * 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,欢迎向我司或我司授权的经销商咨询。