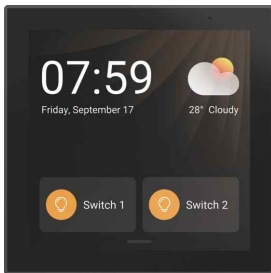


# LTECH

## Super Panel MINI

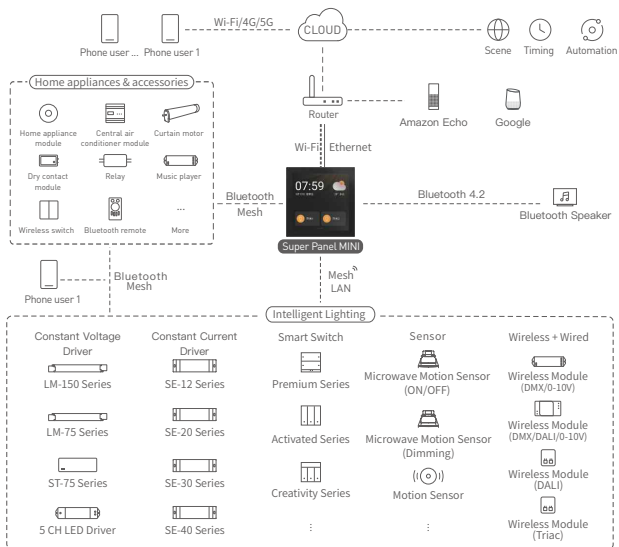
Model:SP-MINI



Manual

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

# Application Diagram



# Product Introduction

Super Panel MINI is a central control panel that can integrate all of your connected devices to control the entire smart home. It supports wired and wireless connectivity such as Wi-Fi, Ethernet and Bluetooth 5.0 SIG Mesh. It can perform powerful intelligent gateway functions. Super Panel MINI can also be used as a 2-channel relay to connect LED lamps and turn them on/off.

It enables you to control your entire home from one single touchscreen on your wall or via the intuitive App. Scenes preset for multiple occasions can be quickly executed or changed with just few taps on the screen.

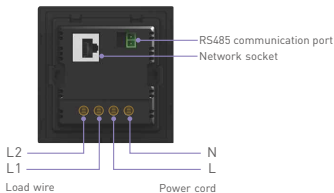
Using this panel, you can easily manage and control your lighting, air conditioning, infrared home appliances, curtains and more devices to build a complete smart home system.

## Technical Specs

Product Model	SP-MINI
Wireless Network	Bluetooth 5.0 SIG Mesh, Wi-Fi
Wired Network	Ethernet
Input Voltage	100-240Vac, 50/60Hz
Display	4.0-inch full lamination, 480×480 resolution
Max. Load Power	≤200VA/CH [Capacitive load], ≤400W/CH [Resistive load]
Working Environment	Temperature -15°C~50°C, Humidity≤85%RH
Dimensions [L×W×H]	86×86×37.5mm
Package Size [L×W×H]	109×109×76mm
Weight[G.W.]	215g

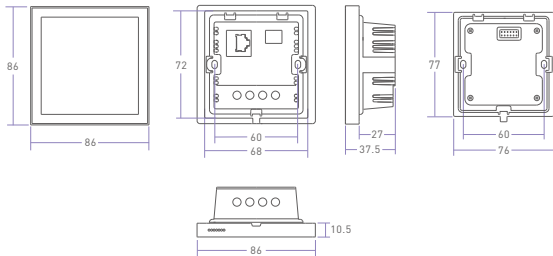
## Product Images

Light sensor  
Proximity sensor



## Product Size

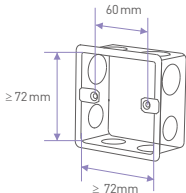
Unit: mm



# Installation Steps

## 1. Choose the right size of a junction box

The junction box size must be at least or more than 72 mm in length and width. It is recommended to use a Siemens junction box (model: 5TG0602-1CC1).



## 2. Detach the panel

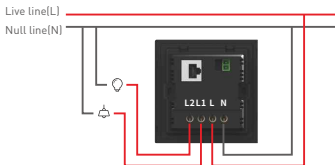
Detach the panel with the panel plate with a flat-head screwdriver.



### 3. Connect electrical wires

Turn off the circuit breaker and remove any concrete or corrosion that are inside the wall box. Trim the wires in the wall box to around 10cm in length respectively. Attach the null line to N socket and live line to L socket, and the load wire to L1/L2 port. Make sure the electrical wires are well connected to the switch terminals with no copper wire exposed. If necessary, insert a network cable into the network socket.

Note: Make sure the panel is stable and won't appear crooked.



### 4. Put the panel plate in place

4.1 Insert the screws into the holes on two sides of the panel and secure the screws to fit the panel to the wall with a screwdriver.

4.2 Slant the panel plate and put it in place.



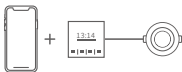
# Recommended Applications

## 1. Gain fast control of lamps



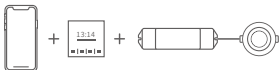
Super Panel MINI    Lamp

## 2. Connect traditional lamps and turn them into smart ones



APP    Super Panel MINI    Lamp

## 3. Super Panel MINI supports both LAN + remote lighting control via 4G/5G/Wi-Fi



APP    Super Panel MINI    Bluetooth driver    Lamp

## 4. The Super Panel MINI, remote and wireless switch can simultaneously control lamps



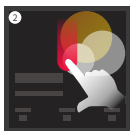
APP    Super Panel MINI    Remote    Wireless switch    Home appliance module    Bluetooth driver    Lamp

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

# Instructions to Use Super Panel MINI

## 1. Swipe gesture control

- ① After devices and scenes are added on Super Panel MINI, the system will automatically generate different types of pages. You'll be able to swipe left and right to switch to any device page.
- ② Swipe down from the top of screen to access the control center; swipe up to close it.





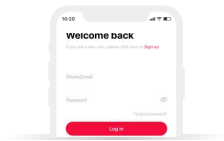
# App Operating Instructions

## 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.

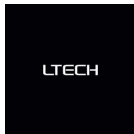


Scan and download the App



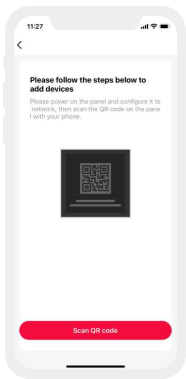
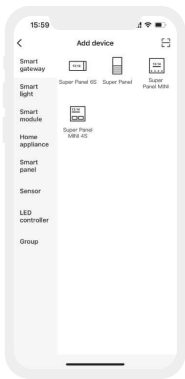
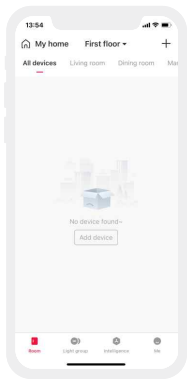
## 2. Configure the Super Panel MINI

Power on the Super Panel MINI and wait for a while to start it. Follow the page guidelines of panel to connect the Wi-Fi. Once connected successfully, a QR code for the device will be displayed on the interface and you'll able to complete the configuration.



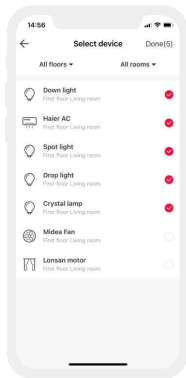
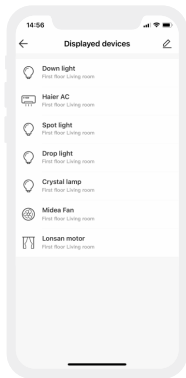
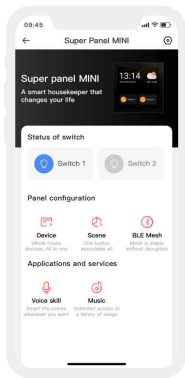
### 3. Bind your account

Open the APP and create a home if you are a new user. Click “+” icon in the upper right corner and access the “Add device” list. Pick “Smart gateway - Super Panel MINI” from the “Add device” list and follow the prompts to scan the QR code displayed on the Super Panel MINI screen, then complete your account binding.



#### 4. How to control lights, infrared appliances and other items with Super Panel MINI

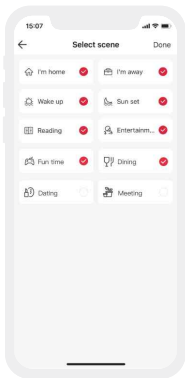
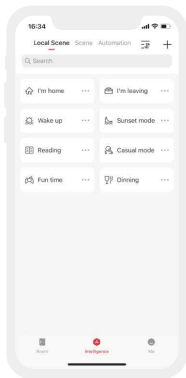
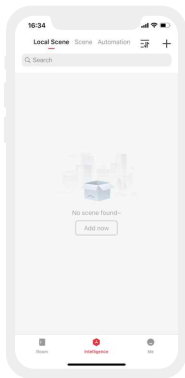
Please refer to manuals of related products. Follow the prompts to add the devices you want and access the Super Panel MINI interface. Click "Device" and go to "Displayed devices" interface. Click the icon in the upper right corner, pick the devices you want to control with the panel and Click "Save".



## 5. How to control cloud scenes with Super Panel MINI

**Create scenes:** Get back to the homepage of the App. Switch to "Intelligence" menu and click "+" icon to add scenes. Follow prompts to modify names and icons for scenes, and click "Add action" to set up the action and delay time you want.

**Displayed scenes:** Go to the Super Panel MINI interface and click "Scene" to access "Displayed scenes" interface. Click the icon in the upper right corner to add the scenes you want to control with the Super Panel MINI.



## FAQs

### 1. How to change user accounts?

Super Panel MINI has one standard user account only. The Super Panel MINI that has been added needs to be deleted by the original owner before your login.

### 2. How to reset to factory defaults?

Power on Super Panel MINI and 12s later power it off. 2s later power it on again. Repeat the same operation 5 times. When the Super Panel MINI is powered on again, "LTECH" and a progress bar will be displayed on the screen. When the progress bar reaches 100%, you will be redirected to the page of "Select Language", meaning the device has been set 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

## 超级面板 MINI

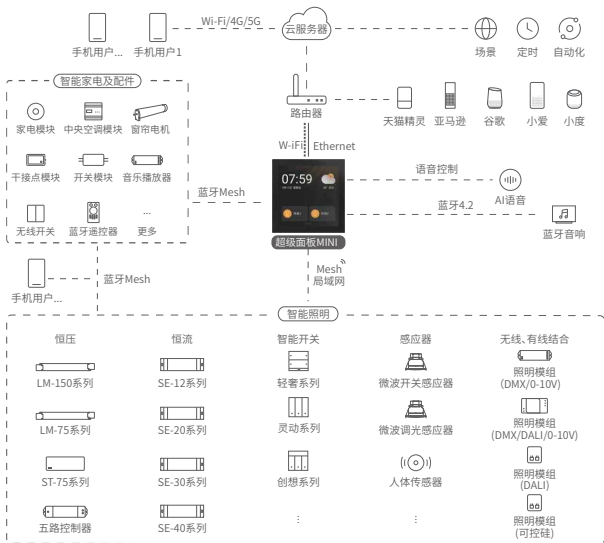
型号:SP-MINI



使用说明书

[www.ltech.cn](http://www.ltech.cn)

# 系统图





## 产品介绍

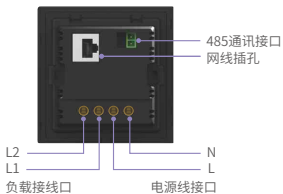
SP-MINI是一款全宅智能家居控制面板,内置强大的蓝牙5.0SIGMesh智能网关功能,以及两路继电器(可接负载灯具),兼容W-iFi、蓝牙5.0SIGMesh、以太网多种通讯方式。集不同控制设备的功能于一身,实现一个面板控制全屋智能家居,整合触摸、语音和APP三种交互方式。只需通过语音,即可快速打开或切换预定义的多种生活情景模式。提供智能照明、空调、红外家电、背景音乐、智能窗帘等控制和管理服务,构成完整的智能家居系统。

## 技术参数

型号	SP-MINI
无线网络	Bluetooth5.0SIGMesh, Wi-Fi
有线网络	以太网
输入电压	100-240Vac, 50/60Hz
显示屏	4.0英寸全贴合, 480 × 480分辨率
麦克风	双麦克风阵列
扬声器	AAC1813喇叭
负载范围	≤ 200VA/路(容性负载), ≤ 400W/路(阻性负载)
工作温度	-15°C~50°C, 湿度≤85%RH
产品尺寸	L86×W86×H37.5(mm)
包装尺寸	L109×W109×H76(mm)
重量(毛重)	215g

## 产品图示

光线感应器  
距离感应器



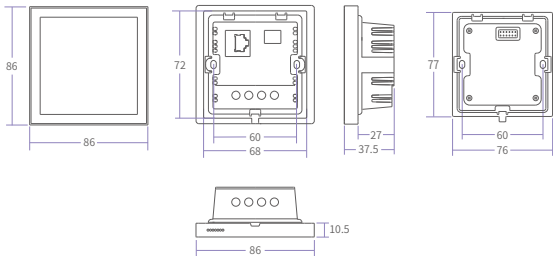
485通讯接口  
网线插孔

L2  
L1  
N  
L  
电源线接口



## 产品尺寸

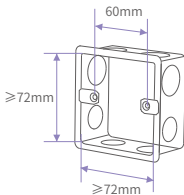
单位:mm



# 安装步骤

## 1. 确定暗装底盒

暗装底盒内尺寸必须大于或等于 $72 \times 72$ mm。推荐使用西门子暗装底盒，型号：5TG0602-1CC1。



## 2. 撬开面板

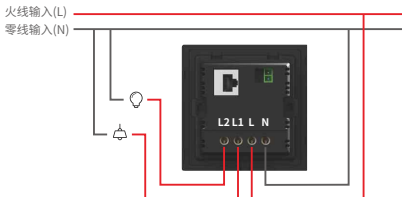
使用一字螺丝刀撬开面板，使面板与底盒分离。



### 3. 线路连接

关闭电源总闸,并确认暗盒内壁无水泥等附着物,将暗盒内的电源线长度修剪到10CM左右。将火线接入面板底盒的L接口,零线接入底盒的N接口,负载灯线接入底盒L1/L2接口,确认电源线与开关接线柱接触良好,无裸露铜线。如需接网线,将网线接入网线插孔。

注意:固定好支架使其不晃动,并保持平整不变形。



### 4. 安装底盒并扣合面板

4.1在底板左右两侧螺丝孔装入螺丝后,使其底盒贴合墙面。

4.2倾斜面板并扣合在底盒上即可。



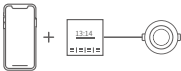
# 应用组合

1.快捷控制灯具。



超级面板MINI 灯

2.连接传统灯具,秒变智能灯具。



APP 超级面板MINI 灯

3.超级面板MINI,远程(4G、5G、W-iFi)+本地局域网双模控制灯具。



APP 超级面板MINI 蓝牙驱动器 灯

4.多点控制,面板、遥控、无线开关同时控制灯具。



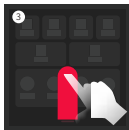
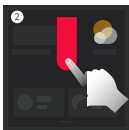
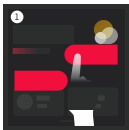
APP 超级面板MINI 遥控器 无线开关 家电模块 蓝牙驱动器 灯

5....智能控制,更多应用搭配等您来设置。

# 使用说明

## 1. 手势操作

- ① 超级面板MINI添加设备和场景后,系统将自动生成不同类型的页面,您可以通过左右滑动屏幕切换设备卡片。
- ② 从屏幕顶部向下滑动,可展开控制中心;向上滑动可收起。



## 2. 语音控制

可以通过唤醒词来唤醒语音技能,不仅可以语音控制设备,还可以听音乐,听新闻等等。更多功能,请进入超级面板MINI【控制中心】-【设置】-【语音控制】了解更多。



# 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。

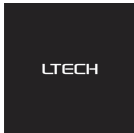


扫码下载APP



## 2. 配置超级面板MINI

将超级面板MINI接通电源，等待设备启动。根据超级面板MINI页面指引，连接设备工作的W-iFi。连接成功后，界面呈现出设备二维码，完成配置。



### 3.账号绑定

打开APP,新用户创建家庭后,点击右上角“+”进入添加设备列表,在添加设备列表选择“智能网关-超级面板MINI”后,按照界面提示,扫描超级面板上的二维码,完成绑定。





## 4.如何在面板上控制灯具、红外家电等

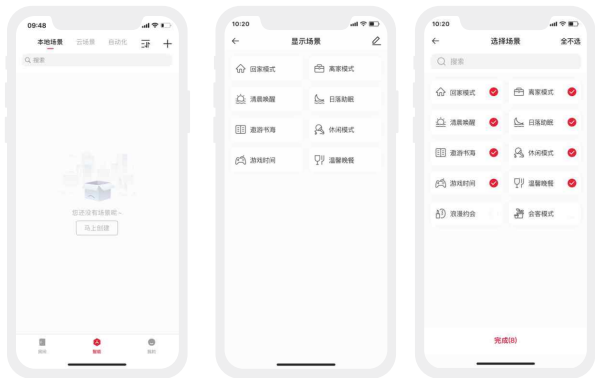
请参照相关产品的说明书,按照提示添加完成设备后,进入超级面板MINI的控制界面,点击“设备”进入显示设备界面。点击右上角“”图标,勾选需要在超级面板MINI上控制的设备后,保存即可在超级面板MINI上控制该设备。其他设备同理。



## 5.如何在面板上控制场景

**创建场景:**切换到“智能”菜单,选中“场景”,点击右上角“+”创建场景,按照提示可以修改场景名称、图标等。点击“添加动作”设定您想要的动作以及延时时间。

**显示场景:**进入超级面板MINI控制界面,点击“场景”进入显示场景界面。点击右上角图标,添加您要在超级面板MINI上控制的场景即可。



## 常见问题

### 1.如何更换账号？

超级面板MINI采用一对一账号体系，被添加过的设备需要原主人删除后，才能重新添加。

### 2.如何恢复出厂？

将超级面板MINI连续通断电5次(每次通电时间12秒左右，断电2秒)后，再次接通电源，界面显示“LTECH”logo以及进度条，等待进度条100%后，界面跳转到选择“选择语言”，即表示设备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的最唯一补救措施。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。

合作伙伴：



\* 咪咕音乐提供的音乐服务将随运营规则调整而变化。