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## LGIDTECH P1

# LGIDTECH P1 Wall-Mounted Full Touch Panel Dimmable Controller User Manual

Model: P1 | Brand: LGIDTECH

## 1. PRODUCT OVERVIEW

The LGIDTECH P1 is a wall-mounted full touch panel controller designed for single color LED strip lighting. It offers precise dimming capabilities, a 60-second delay-off function, and a night light guidance feature for enhanced convenience and control over your lighting environment.



Figure 1: Front view of the LGIDTECH P1 wall-mounted touch panel controller, featuring a clean white design with "MiBOXER" branding, a power button, a "Mode" button, a "60S Delay OFF" button, and a blue LED indicator strip at the bottom.

# P1 Single Color Panel Controller

Widely used on the controlling of single color LED strips, panel lights, etc



**Product Name: Single Color Panel Controller**

**Model Number: P1**

**Sold by brand: LGIDTECH**

**Working Voltage: DC12V-24V**

**Output Max: 5A/Channel**

**Total Output Max: 10A**

**RF: 2.4GHz**

**Control Distance: 30meters=98ft**

**Working Temperature: -20-60°C**

**Panel Size: 86\*86mm**

1PC/BOX  
G.W.: 0.18KGS

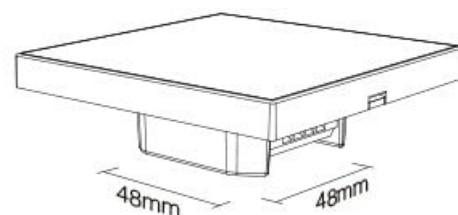
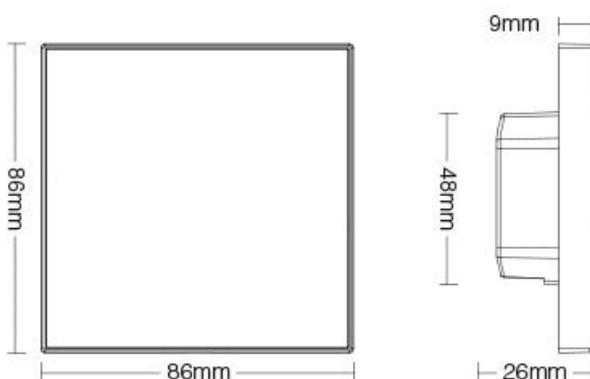


Figure 2: An overview detailing the product name, model number (P1), brand (LGIDTECH), working voltage (DC12V-24V),

output max (5A/Channel, Total 10A), RF (2.4GHz), control distance (30 meters/98ft), working temperature (-20-60°C), and panel size (86\*86mm). Includes diagrams showing front, side, and isometric views with dimensions.

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## 2. PRODUCT FEATURES

- **60-Second Delay Off:** Automatically turns off the light after 60 seconds, providing illumination for a short period after activation.
- **1%-100% Dimming:** Allows for precise adjustment of light brightness from 1% to 100%.
- **Night Light Guidance Function:** An LED indicator on the ON/OFF button helps locate the controller in the dark.
- **Capacitive Touch Screen:** Features a highly sensitive and stable touch interface for reliable operation.
- **Audible Touch Feedback:** Provides a prompt tone when the controller is touched, confirming input.
- **2.4G RF Wireless Transmission:** Enables remote control functionality within a 30-meter range.
- **Support for Third-Party Voice Control & Smartphone APP Control:** Requires a separate 2.4GHz gateway (e.g., WL-Box1) for integration with smart home systems like Amazon Alexa and Google Assistant.
- **PWM High/Low Frequency Switching:** Allows switching between 8KHz (high frequency) and 500Hz (low frequency) Pulse Width Modulation based on user needs.
- **Signal Transmitting & Modes Synchronization:** One controller can transmit signals to another within 30m, extending control range. Multiple controllers can synchronize dynamic modes.
- **Tempered Glass Panel:** Provides resistance against scratching and crushing.
- **PC Housing:** Constructed with high-quality PC housing.

## Simple but multi-functional

Easy installation, safe and reliable



Dimmable control  
(1%~100%)



60S  
Delay OFF



2.4G RF wireless  
transmission technology



Remote control  
Control distance 30m



Support third party voice control  
(2.4GHz gateway is needed)



Smartphone APP control  
(2.4GHz gateway is needed)

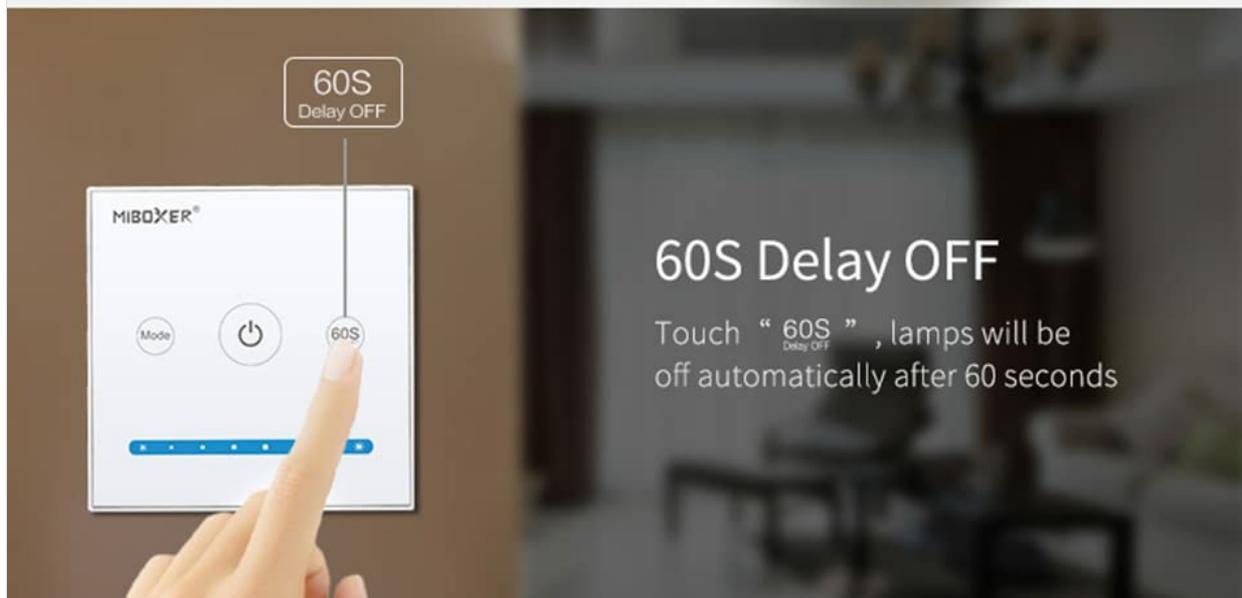
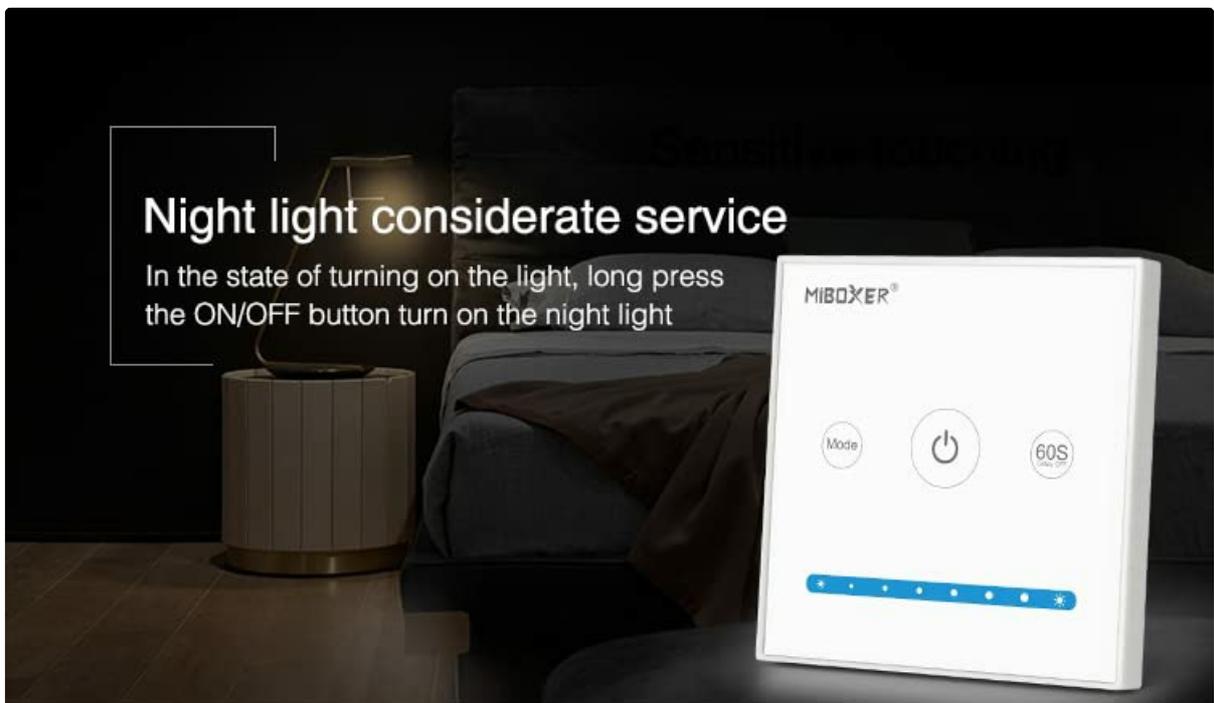
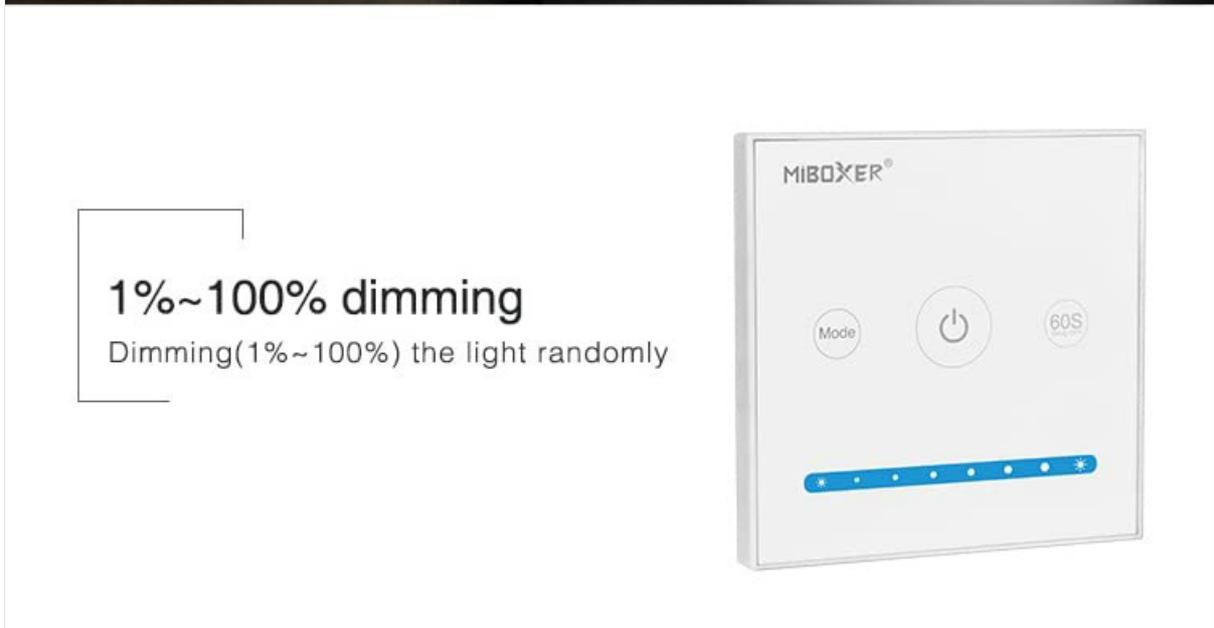


Figure 3: An image highlighting key features: Dimmable control (1%-100%), 60S Delay OFF, 2.4G RF wireless transmission technology, Remote control distance 30m, Support third-party voice control (2.4GHz gateway is needed), and Smartphone APP control (2.4GHz gateway is needed). The controller is shown mounted on a wall in a modern room setting.



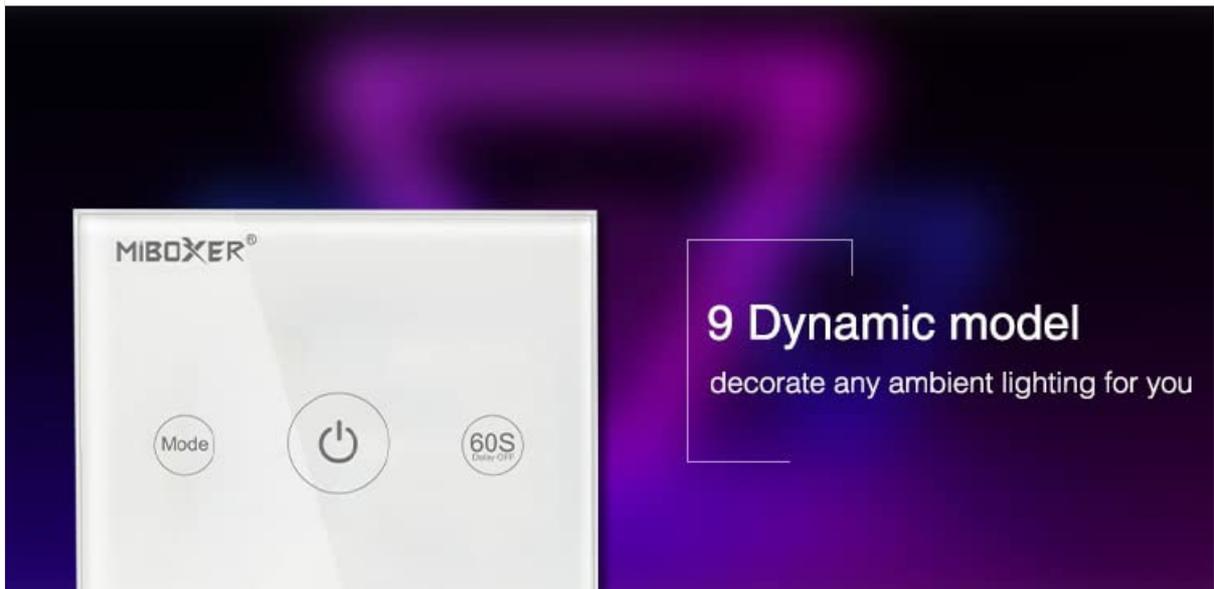
## Night light considerate service

In the state of turning on the light, long press the ON/OFF button turn on the night light



## 1%~100% dimming

Dimming(1%~100%) the light randomly



## 9 Dynamic model

decorate any ambient lighting for you

Figure 4: A close-up image demonstrating the "60S Delay OFF" function. A finger is shown touching the "60S" button on the panel, with text explaining that lamps will turn off automatically after 60 seconds.

## 2.4GHz RF Remote Control

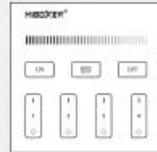
Controlled by 2.4GHz remote, control distance is 30m



FUT006



FUT007



B1 / T1



FUT087

**All is sold separately!**

## Support Smart phone APP control and third party voice control

It need 2.4GHz gateway(WL-Box1) for smart phone control or third party voice control



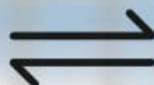
2.4GHz Gateway  
WL-Box1

**sold  
separately**

## PWM high frequency / low frequency switching

High frequency / low frequency can be switched  
according to needs

High frequency  
(8KHz)



Low frequency  
(500Hz)

Figure 5: This image illustrates two features: "Night light considerate service" showing the controller in a bedroom setting, indicating that a long press on the ON/OFF button activates the night light. Below, it shows "1%~100% dimming" with the controller and text explaining that brightness can be adjusted randomly. It also mentions "9 Dynamic model" to decorate ambient lighting.

## Signal transmitting

One controller can transmit the signals from the remote control to another controller within 30m, as long as there is a controller within 30m, the remote control distance can be limitless.

## Modes synchronization

Different controller can work synchronously when they are started at different times, controlled by the same remote, under same dynamic mode and within 30m distance.

Distance 30m      Distance 30m      Distance 30m

Remote is sold separately!

## Night Light Guidance Function

LED indicating lamp on the ON/OFF button;  
Let you find the switch easily on dark night.

Figure 6: An image detailing advanced control options. It shows various 2.4GHz RF remote controls (FUT006, FUT007, B1/T1, FUT087) which are sold separately, and illustrates smartphone APP control and third-party voice control (Amazon Alexa, Google Assistant) which require a separate 2.4GHz gateway (WL-Box1). It also highlights PWM high frequency (8KHz) / low frequency (500Hz) switching.



**Tempered glass panel**  
Scratching and crushing resistance



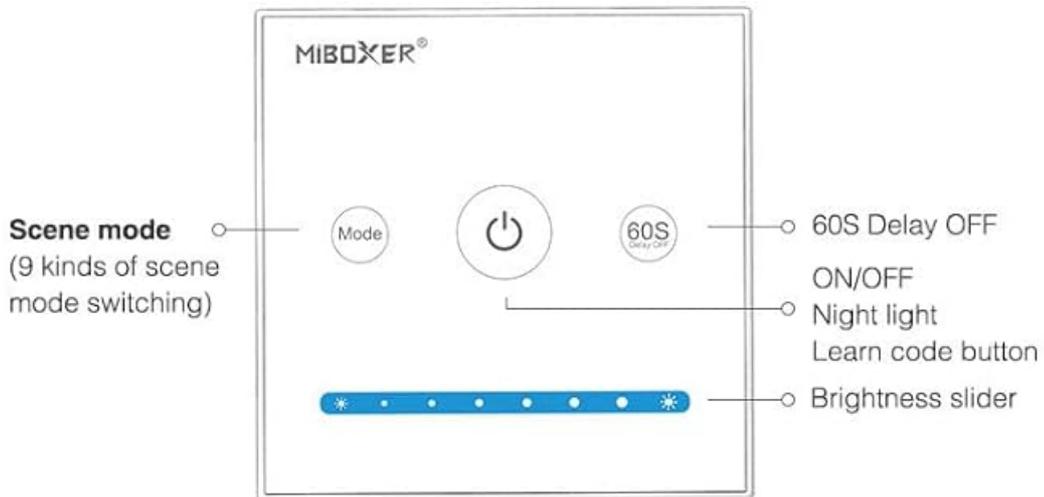
Figure 7: This image explains "Signal transmitting" where one controller can transmit signals to another within 30m, extending the remote control distance. It also shows "Modes synchronization" where multiple controllers can work synchronously. The "Night Light Guidance Function" is reiterated, showing the LED indicator on the ON/OFF button for easy location in the dark.

## PC Housing

Adopt high-end PC housing with best quality

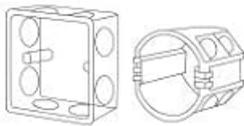


## Function Diagram

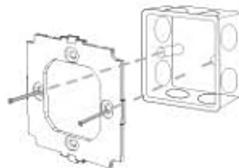


## Installation / Dismantlement

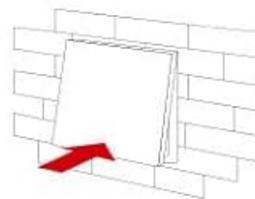
### Method of installation



1. Install the bottom case into the wall;  
Above are the standard bottom cases.

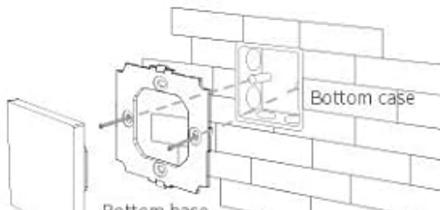


2. Fix the controller base on the  
bottom case with screw.



3. Clicks into the upper side of glass panel  
on the controller base, then press the  
lower side slightly to make it clicks into  
the controller base.

### Installation Overview



### Method of dismantlement



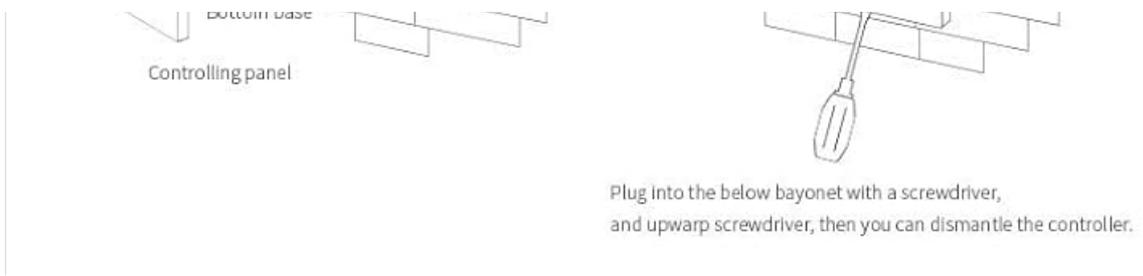


Figure 8: A multi-part image showing the "Capacitive touch screen" with a hand touching it, emphasizing its stability. It highlights the "Tempered glass panel" for scratching and crushing resistance. "Touching button with sound" is shown with musical notes, indicating an audible prompt. "PC Housing" is mentioned for quality. A "Function Diagram" labels the buttons: Mode (9 scene modes), Power (ON/OFF, 60S Delay OFF, Night light, Learn code button), and Brightness slider. Finally, "Installation / Dismantlement" provides diagrams for mounting the bottom case, fixing the controller, and clicking the panel into place, as well as how to dismantle it using a screwdriver.

### 3. SPECIFICATIONS

Specification	Detail
Model No.	P1
Working Temperature	-20°C to 60°C
Working Voltage	DC 12V-24V
Output Max	5A/Channel
Total Output Max	15A
Output Connection	Common Anode
Panel Size	86mm x 86mm
RF Frequency	2.4GHz
Control Distance	30 meters (98 feet)
Wattage	240 watts (Max)
Item Weight	7.05 ounces
Control Method	Touch
Connectivity Protocol	Wi-Fi (requires 2.4GHz gateway)

### 4. SETUP AND INSTALLATION

Follow these steps for proper installation of the P1 Wall-Mounted Controller:

- 1. Install Bottom Case:** Install the standard bottom case into the wall.
- 2. Fix Controller Base:** Fix the controller base onto the bottom case using screws.
- 3. Attach Glass Panel:** Click the upper side of the glass panel onto the controller base. Then, push the lower side slightly to make it click into the controller base.

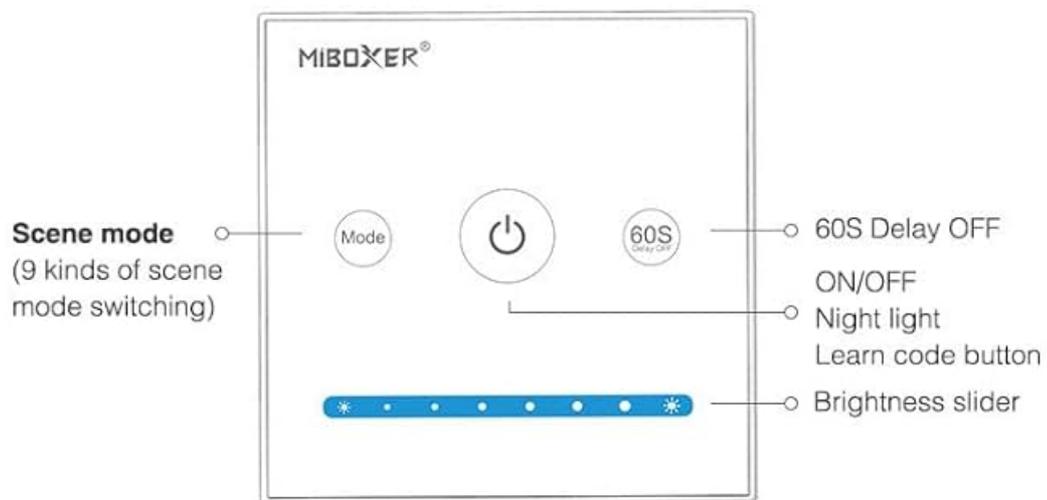
**Dismantlement:** To remove the panel, plug into the bayonet below with a screwdriver, and use an upward screwdriver motion to dismantle the controller.

## PC Housing

Adopt high-end PC housing with best quality

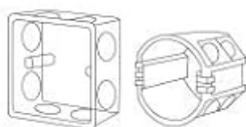


## Function Diagram

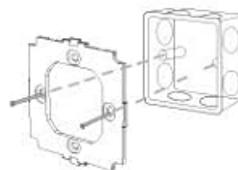


## Installation / Dismantlement

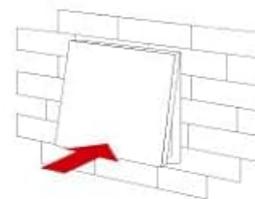
### Method of installation



1. Install the bottom case into the wall;  
Above are the standard bottom cases.



2. Fix the controller base on the  
bottom case with screw.



3. Clicks into the upper side of glass panel  
on the controller base, then press the  
lower side slightly to make it clicks into  
the controller base.

### Installation Overview



### Method of dismantlement



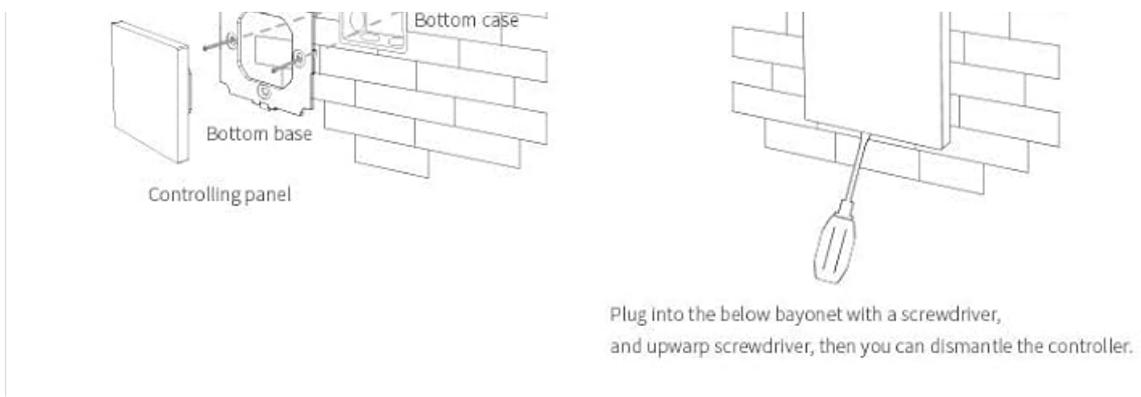


Figure 9: Detailed diagrams illustrating the three steps for installation and the method for dismantling the controller using a screwdriver.

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## 5. OPERATING INSTRUCTIONS

The P1 controller features a touch interface for various functions:

- **Power ON/OFF:** Touch the power symbol button to turn the lights on or off.
- **60S Delay OFF:** Touch the "60S" button to activate the 60-second delay-off function. The lights will remain on for 60 seconds before automatically turning off.
- **Night Light:** When the light is on, long-press the ON/OFF button to activate the night light function.
- **Brightness Adjustment:** Use the brightness slider at the bottom of the panel to adjust the light intensity from 1% to 100%.
- **Mode Selection:** Touch the "Mode" button to cycle through 9 different scene modes for ambient lighting.
- **Learn Code Button:** The power button also functions as a learn code button for pairing with remote controls or gateways.

**Remote Control and APP Control:** The controller supports 2.4GHz RF remote controls (sold separately) and smartphone APP control via a 2.4GHz gateway (e.g., WL-Box1, sold separately). Refer to the respective remote control or gateway manual for pairing instructions.

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## 6. MAINTENANCE

To ensure the longevity and proper functioning of your LGIDTECH P1 controller:

- Clean the tempered glass panel with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- Ensure the controller is not exposed to excessive moisture or extreme temperatures outside its specified working range.
- Do not attempt to disassemble the unit beyond the panel removal for cleaning or basic troubleshooting.

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## 7. TROUBLESHOOTING

If you encounter issues with your P1 controller, consider the following:

- **Controller Not Responding:** Verify that the power supply (DC 12V-24V) is correctly connected and providing power. Check wiring connections to the LED strip.
- **Dimming Issues:** Ensure the LED strip is compatible with dimming. Check if the brightness slider is

being used correctly.

- **Remote/APP Control Not Working:** Confirm that the 2.4GHz gateway (if used) is properly set up and connected. Ensure the controller is correctly paired with the remote or gateway. Check battery in remote control if applicable.
- **No Audible Feedback:** If the touching button sound is not heard, ensure the touch is firm and direct.

For persistent issues, consult a qualified electrician or contact LGIDTECH customer support.

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## 8. WARRANTY AND SUPPORT

Specific warranty information for the LGIDTECH P1 controller is not provided in this manual. Please refer to the product packaging or the retailer's website for warranty details. For technical support or further assistance, please contact LGIDTECH customer service through their official channels.

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