

## Mini Wi-Fi Dimming Control Box

**Model #:** u172



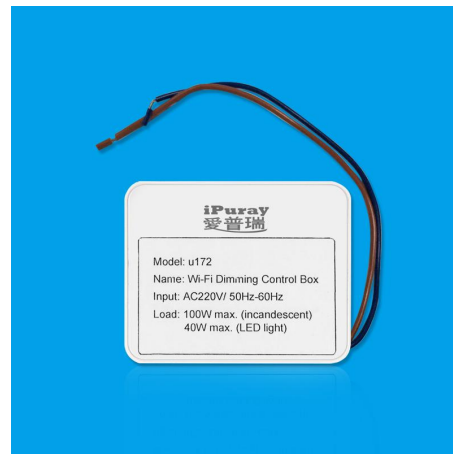
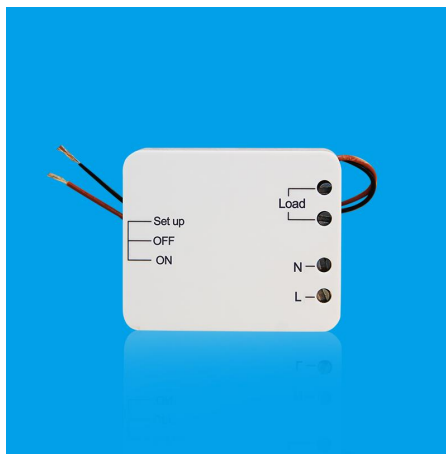
### Features:

u172 is a mini dimming control box which can be remotely controlled by a smartphone with Wi-Fi Connectivity. It can be installed behind a traditional mechanical switch in a wall box, or used as an in-line device hidden in a safe place. Incandescent and LED lights can be easily converted into a Wi-Fi dimmable one by adding an u172 mini dimming control box.

- Compact size;
- Smartphone direct control within Wi-Fi working distance, or Smartphone remote control via Internet;
- Bidirectional communication enabled status display of the lamps;
- Good for all kinds of lamps;
- Lightning protection and surge protection;
- ABS-V0 flame resistance case; and
- High quality build.

### Front View and Back View:

Fig. 1 and Fig. 2 show the front view and the back view of u172 mini Wi-Fi Dimming control box respectively.



**Fig.2** Front View**Fig.3** Back View

There are three buttons (Set up, On and Off) and one LED status indicator on one side, and four wiring terminal blocks on the other side. The device also has two wires coming out for hard-wired switch control.

The “On/Off” buttons are used for directly turning on or turning off the lamp, while the “Set Up” button is used for configuring u172 with remote Wi-Fi control.

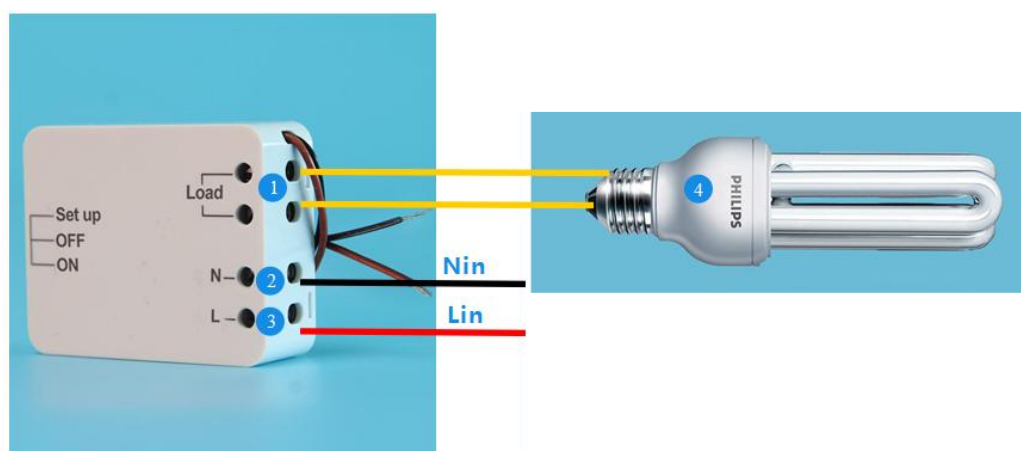
#### **Specification Parameters:**

Input Voltage	220~240V(50Hz/60Hz)	Operation Environment	No-condensation 20-90% RH, -20°C~55°C
Wattage	100W max for incandescent 40W max for LED lights	Load type	Incandescent, LED lights
Dimension	57mm x 47mm x 20mm	Weight	45g

#### **Wiring and Installation:**

u172 mini Wi-Fi Dimming control box requires hot wire and neutral wire for installation. Fig. 3 shows u172 wiring without external switch. In this configuration, u172 can only be controlled by smart devices with Wi-Fi such as smartphone.

- ① Output Load wires
- ② Input neutral wire;
- ③ Input hot wire; and
- ④ Load.

**Fig. 4** u172 Wiring Diagram without External Switch

*Product Description of u172*

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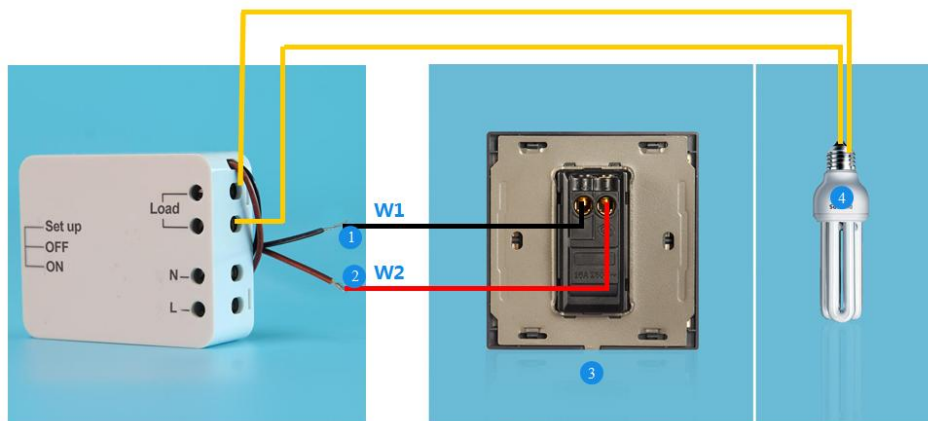
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As shown in Fig. 5, u172 is more often wired with an external switch so that it can be controlled by a standard wall mount switch and a smart device with Wi-Fi such as smartphone.

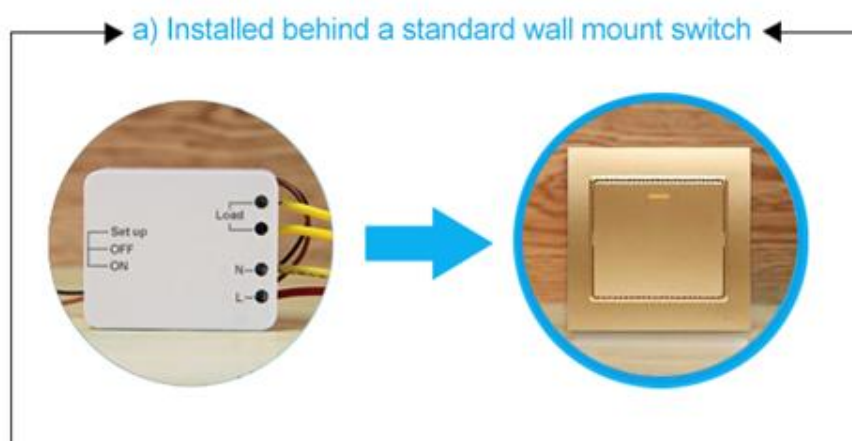
- ① Output control wire 1 to external switch;
- ② Output control wire 2 to external switch;
- ③ External mechanical switch; and
- ④ Load.

Other connections are identical to Fig. 4.

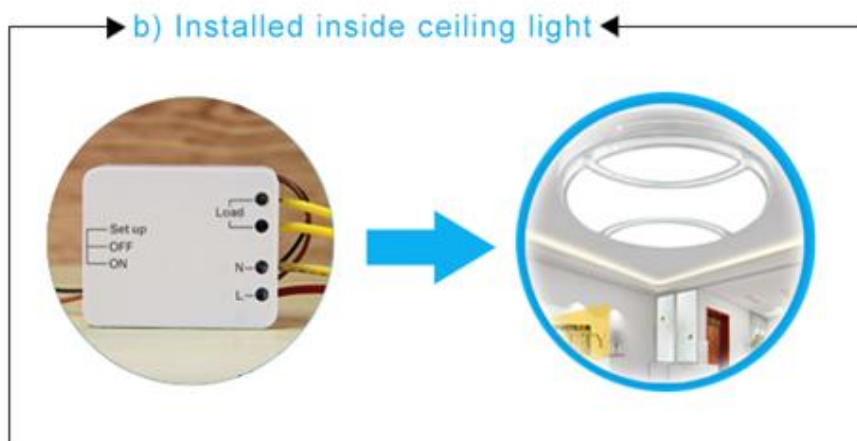


**Fig. 5** u172 Wiring Diagram with External Switch

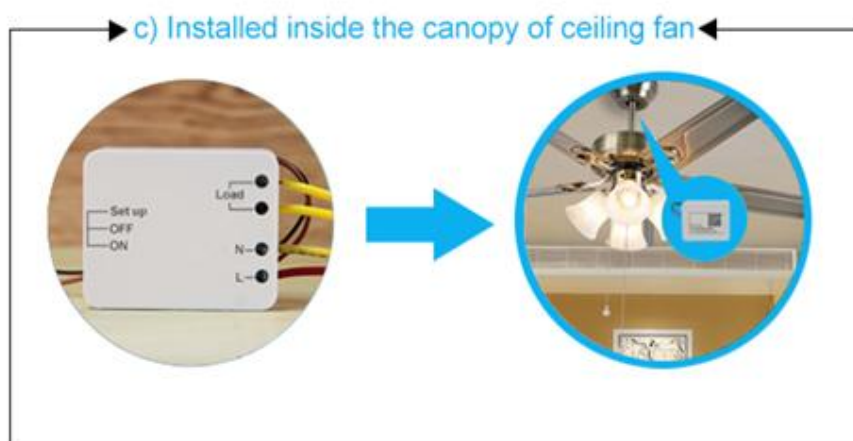
u172 is usually installed in a hidden space because of its small size and for safety reason. The following are three typical application scenes:



**Fig. 6a** Install u172 behind a Standard Wall Mount Switch



**Fig. 6b** Install u172 inside Ceiling Light



**Fig. 6c** Install u172 inside the Canopy of Ceiling Fan with lamp

### **Operation of u172 Using Smartphone App**

In order to control u172 using smart devices such as smartphones (or tablets), an App needs to be downloaded and installed. Please follow the instructions come with u172 to download and install the App.

Power on u172 before starting the APP. The user interface of the App is quite self-explanatory.

Please find some key features as follows:

1. Scan the QR code and download iPuray APP, log in to the APP after registering for an account. Press “+” in the upper right corner to add device (Fig.7), then choose “WiFi Control Box” (Fig.8).

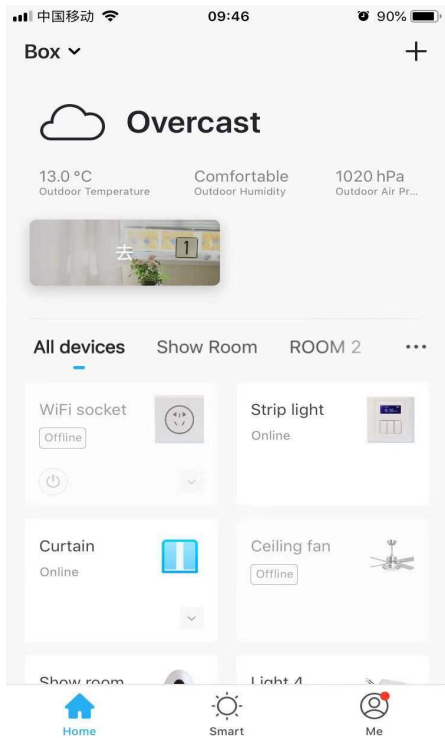


Fig. 7

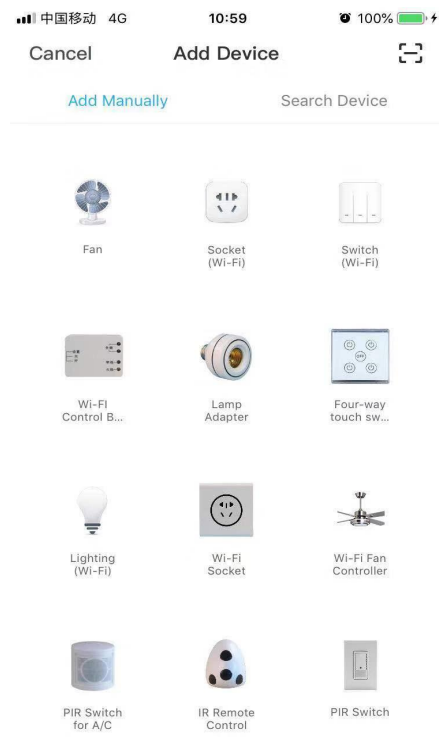
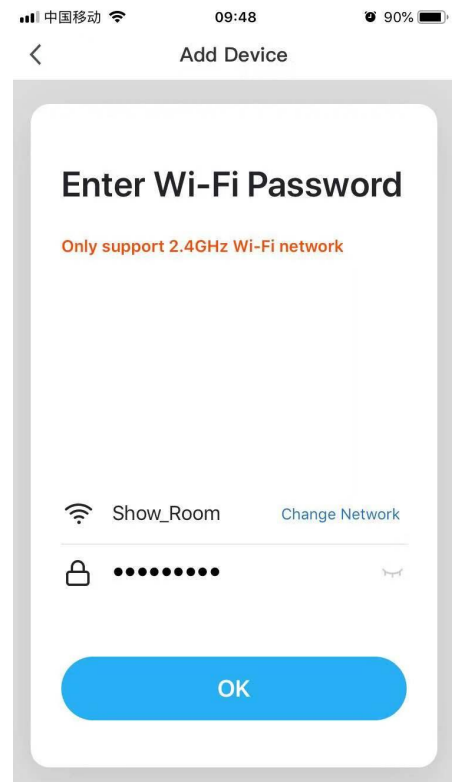


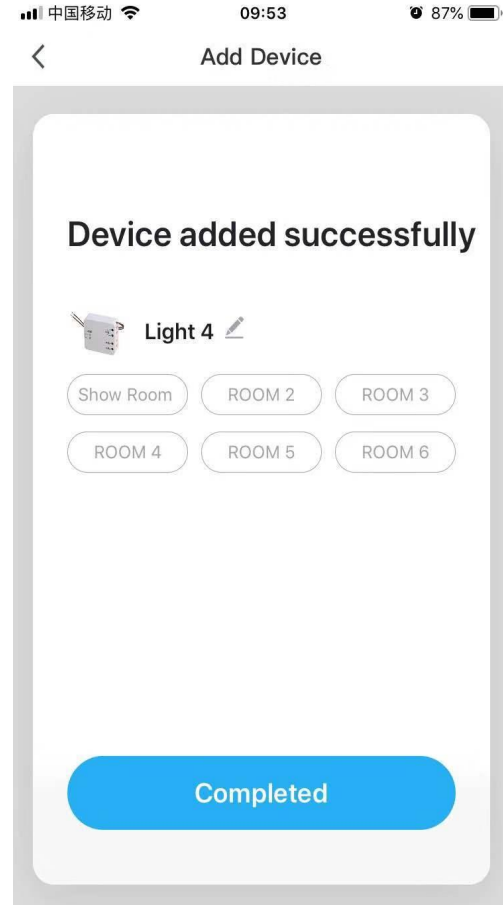
Fig. 8

2. Enter the Internet configuration interface. Press and hold the “SET” button till the indicator light flash quickly (Fig. 9). Follow the APP instructions to enter the network and password to complete the configuration(Fig.10).



**Fig. 9****Fig. 10**

3. If the configuration failed in step 2, please choose the “AP Mode” for configuration (Fig.11). Press and hold the “SET” button to switch the indicator light to slow flash. Follow the instructions to complete the configuration (Fig. 12). Skip this step if the configuration succeed in step 2.

**Fig. 11****Fig. 12**

4. After the configuration finished, users can start remote controlling on the smartphone (Fig. 13 & Fig. 14). The status of LED indicator is as below:

ON	Successfully connected to the cloud and can be used normally
OFF	Network error, please reconfigure the network
Quick flash	In configuration
Slow flash	Configuration in AP mode

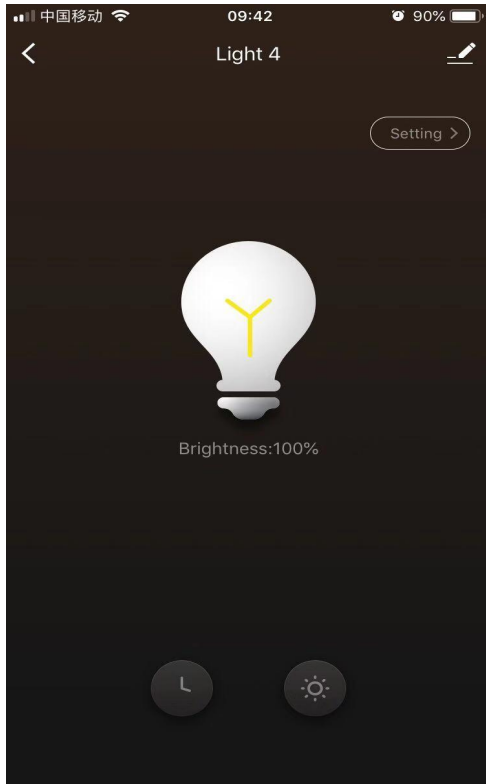


Fig. 13

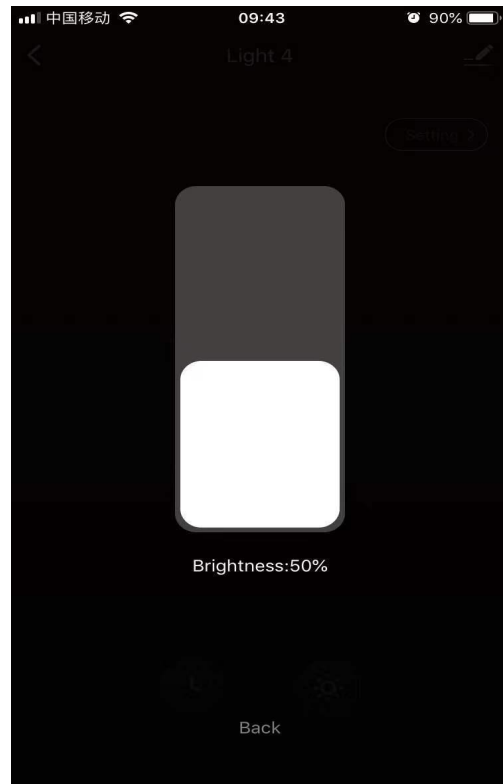
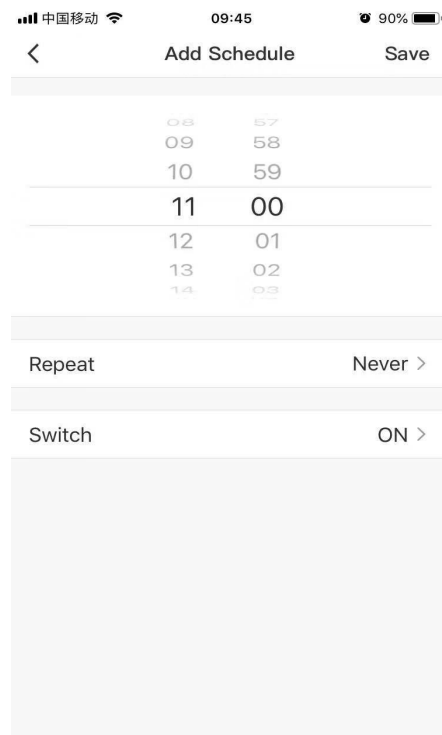
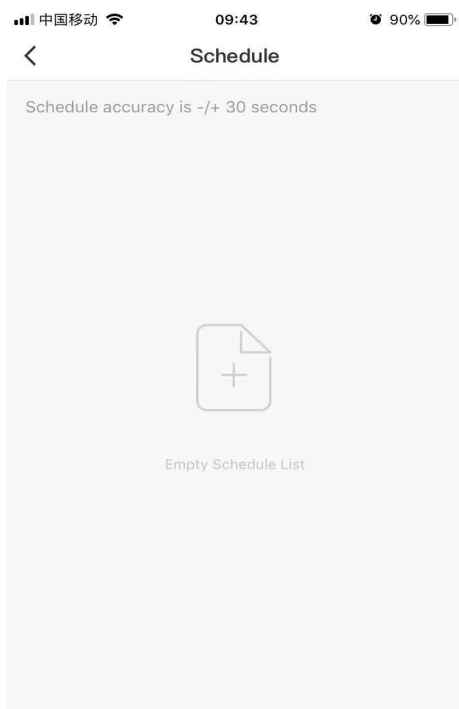


Fig. 14

5. Timer function: Users can set the specific ON/OFF time in the APP. The timer function only works when the device is connected to the network. The timing accuracy is accurate to one minute (Fig. 15 & Fig. 16).



Proc Add Schedule

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**Fig. 15**

**Fig. 16**

6. Voice assistant control function: Search skill “Tuya Smart” or “iPuray u” in the corresponding voice assistant APP and bind your account. Either you searched “Tuya Smart” or “iPuray u”, enter the account and password you registered previously in our iPuray APP to sync the device to the voice assistant.

### **Applications:**

u172 Mini Wi-Fi Dimming Control Box is good for all kinds of lamps. It can easily turn a lamp controlled by a traditional switch into a remotely dimmable one controllable by smartphones directly or via Internet thousands of miles away.

u172 has wide applications at various locations such as homes, restaurants, conference rooms, theatres, etc. It is perfect for bringing convenience and safety to our daily life and work.

### **How to Order:**

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