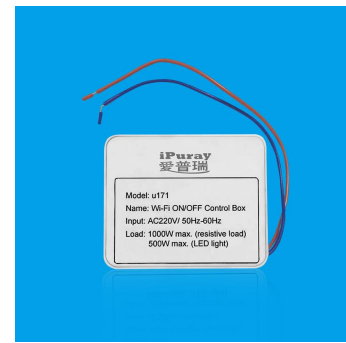


Mini Wi-Fi On/Off Control Box

Model #: u171



Features:

u171 is a mini On/Off 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. Any load can be easily converted into a Wi-Fi controllable one by adding an u171 mini On/Off 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 loads;
- Good for all kinds of loads;
- 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 u171 mini Wi-Fi On/Off control box respectively.

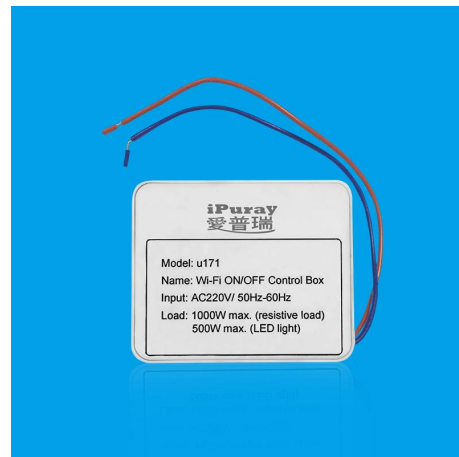
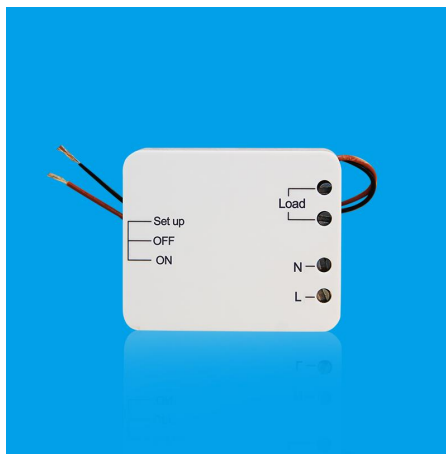


Fig.2 Front View**Fig.3 Back View**

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 load, while the “Set Up” button is used for configuring u171 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	1000W max for resistive 500W max for LED	Load type	All kinds of load
Dimension	57mm x 47mm x 20mm	Weight	45g

Wiring and Installation:

u171 mini Wi-Fi On/Off control box requires hot wire and neutral wire for installation. Fig. 3 shows u171 wiring without external switch. In this configuration, u171 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.

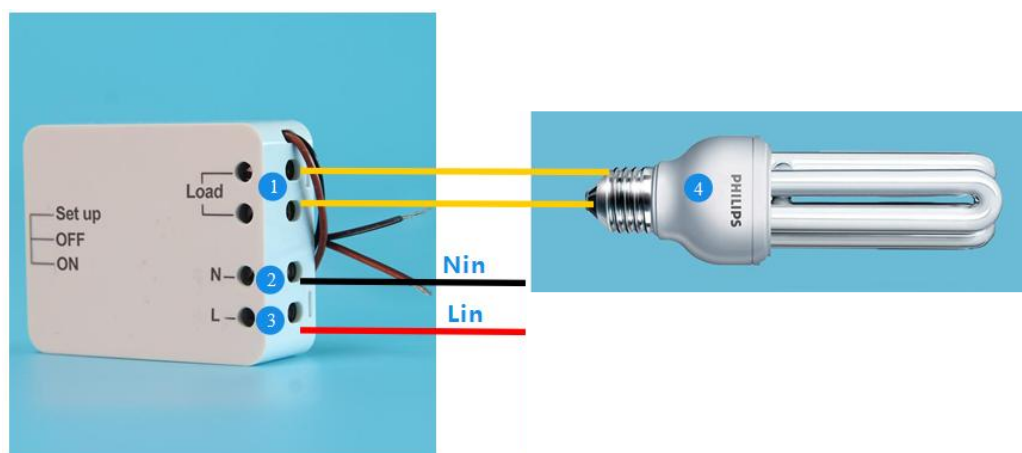


Fig. 4 u171 Wiring Diagram without External Switch

As shown in Fig. 5, u171 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.

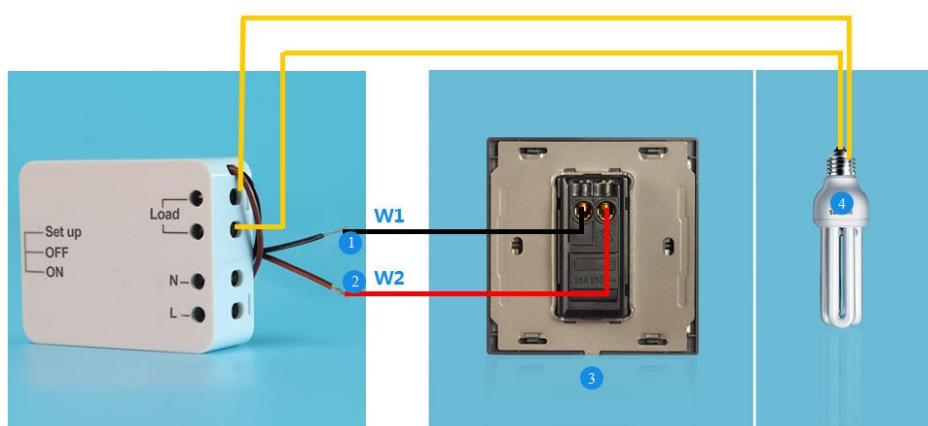


Fig. 5 u171 Wiring Diagram with External Switch

u171 is usually installed in a hidden space because of its small size and for safety reason. The following are three typical application scenes:

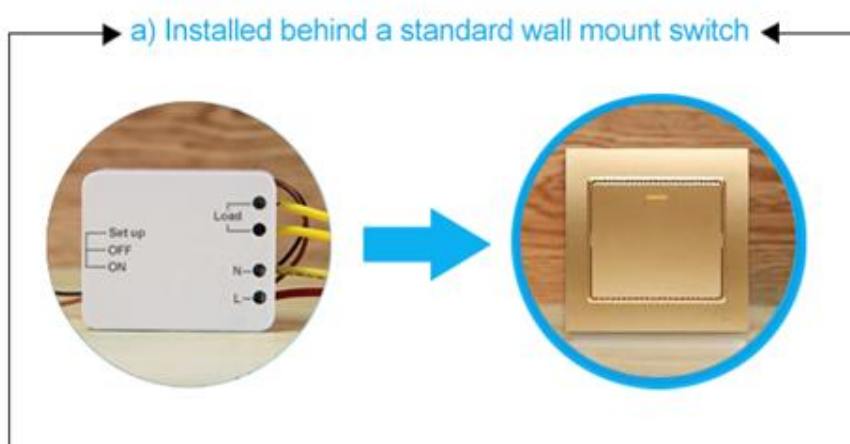


Fig. 6a Install u171 behind a Standard Wall Mount Switch

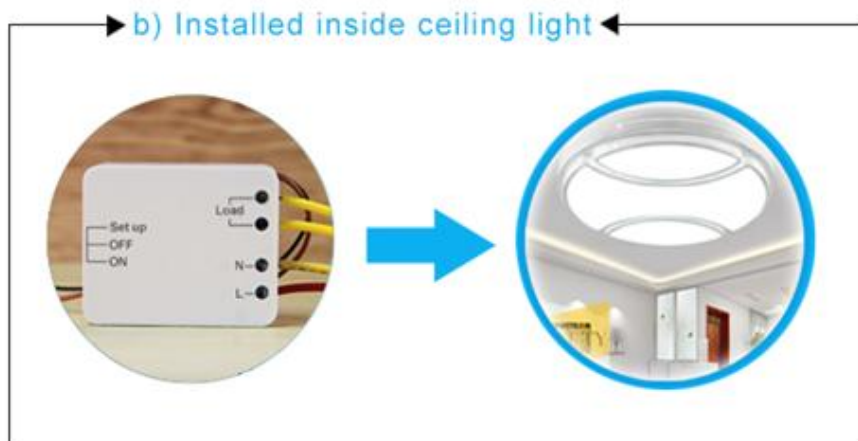


Fig. 6b Install u171 inside Ceiling Light

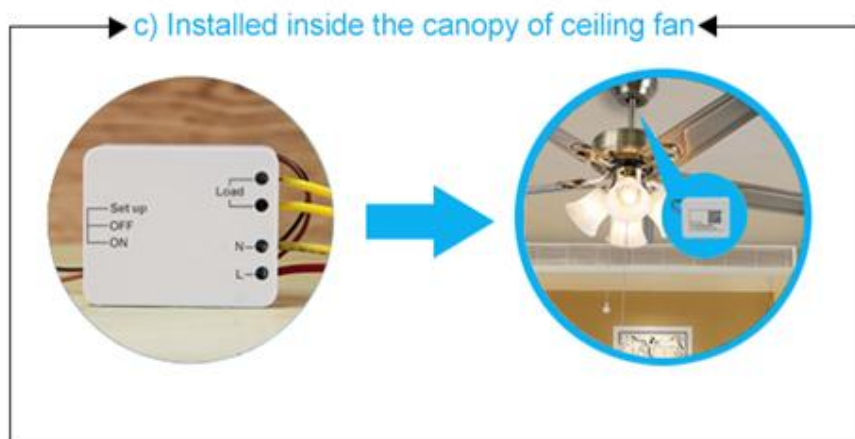


Fig. 6c Install u171 inside the Canopy of Ceiling Fan

Operation of u171 Using Smartphone App

In order to control u171 using smart devices such as smartphones (or tablets), an App needs to be downloaded and installed. Please follow the instructions come with u171 to download and install the App.

Power on u171 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, login 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).

Product Description of u171

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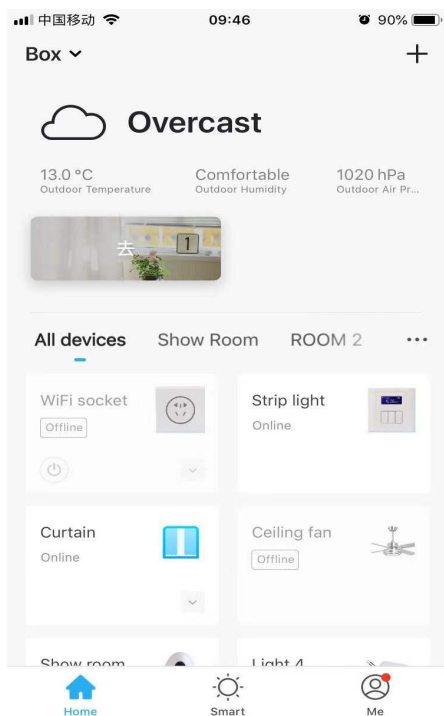


Fig. 7

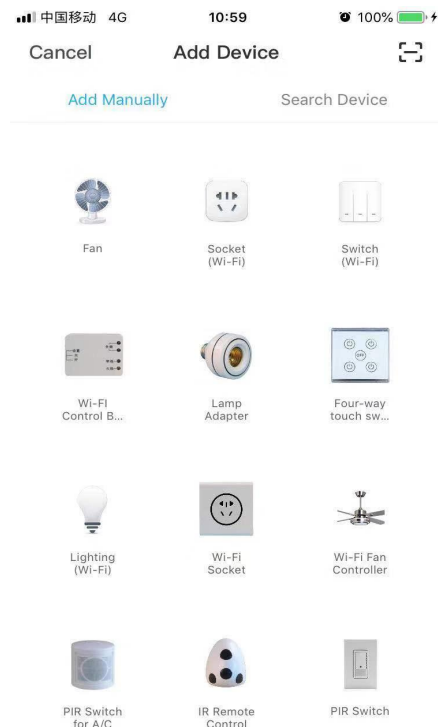
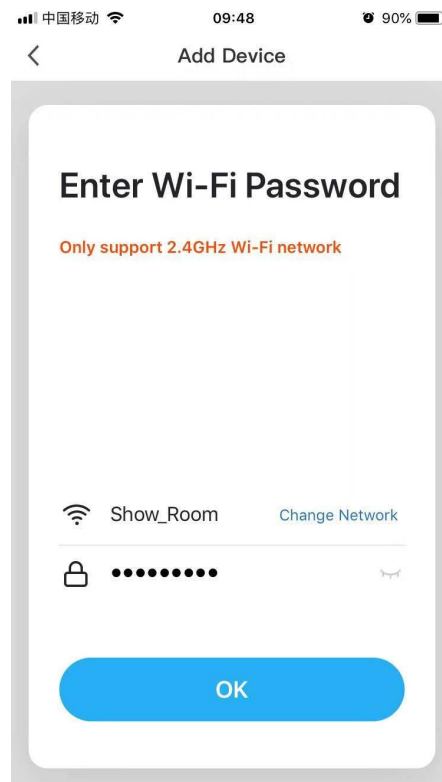


Fig. 8

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).



Produ

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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

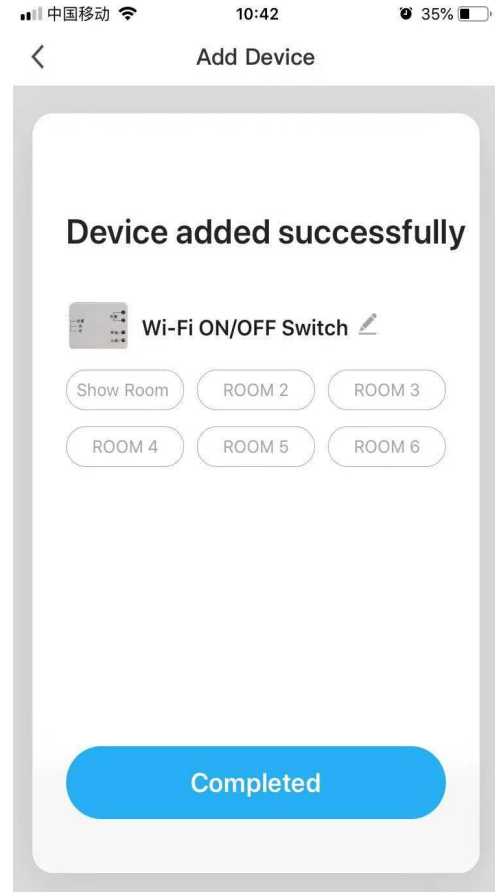


Fig. 12

4. After the configuration finished, users can start remote controlling on the smartphone (Fig. 13). 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

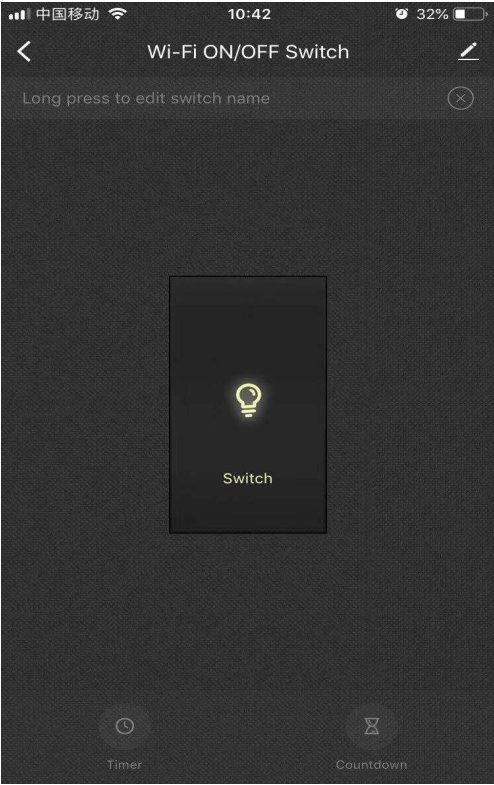


Fig. 13

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. 14 & Fig. 15).

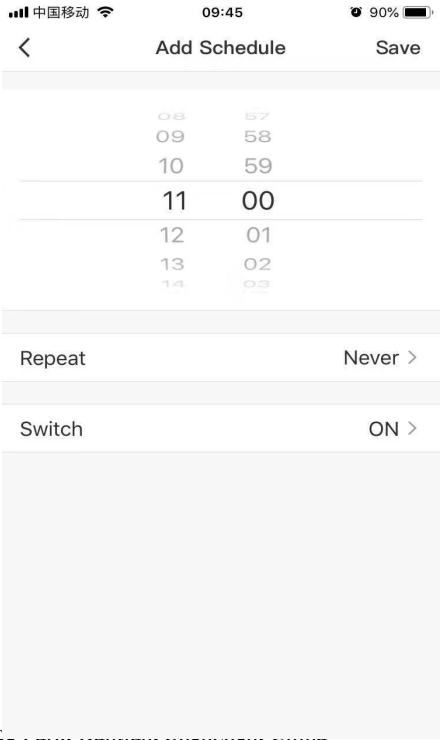


Fig. 14

Fig. 15

6. Countdown function: The countdown function and timer function are completely independent to each other. When the countdown time ends, the ON/OFF status will be switched (Fig. 16). (For example, if the device is on before countdown time being set, it will be turned off after the countdown time ends.) Please do not set the countdown and timer to be triggered at the same time.

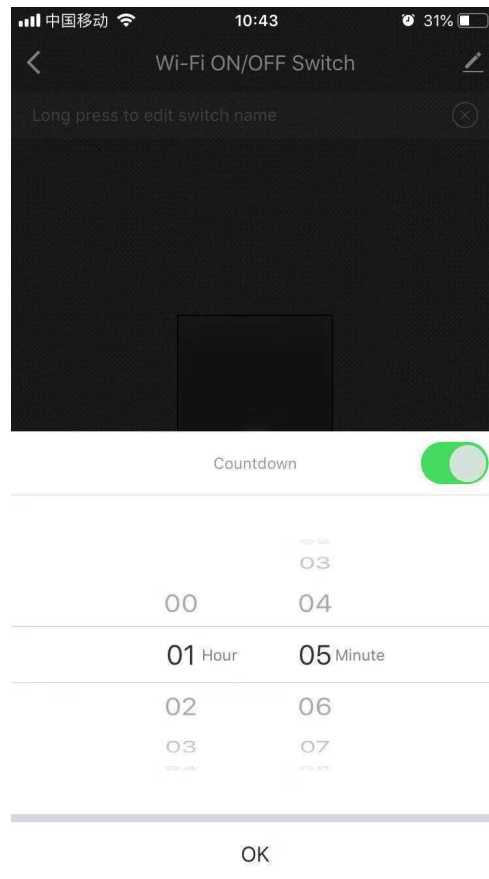


Fig. 16

7. When the power restored, the countdown settings will be cleared, but the preset timer will continue working, only if the device is online when the timer task triggered.

8. 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:

u171 Mini Wi-Fi Control Box is good for all kinds of loads, such as fans, lights, appliances, or other kinds of electrical equipment. It can easily turn a load controlled by a traditional switch into a remotely controllable one by smartphones directly or via Internet thousands of miles away.

u171 has wide applications at various locations such as homes, restaurants, conference rooms, theaters, etc. It is perfect for bringing convenience and safety to our daily life and work.

How to Order:

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