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› Aqara Smart Light Switch (with Neutral, Single Rocker) User Manual

Aqara WS-USC03

Aqara Smart Light Switch (with Neutral, Single Rocker) User Manual

Model: WS-USC03

1. PRODUCT OVERVIEW

The Aqara Smart Light Switch (with Neutral, Single Rocker) is a smart device designed to convert traditional light bulbs and fixtures into smart lights. It enables remote control, home automation, and voice control of your lighting when paired with an Aqara Hub. This switch requires a neutral wire for installation.



Image: Front view of the Aqara Smart Light Switch.

2. SAFETY INFORMATION

- **WARNING: Risk of Electric Shock.** Installation requires handling 120V AC wiring. If you are not qualified, please consult a licensed electrician.
- Always turn off power at the circuit breaker before installation or maintenance.
- This product is designed for indoor use only.
- Operating Temperature: 0°C to 40°C (32°F to 104°F).
- Operating Humidity: 0% to 95% RH, non-condensing.
- Max Load: 600 W/way (Incandescent), 200 W/way (CFL/LED). Min Load: 3 W/way (Incandescent), 5 W/way (CFL/LED).

3. PACKAGE CONTENTS

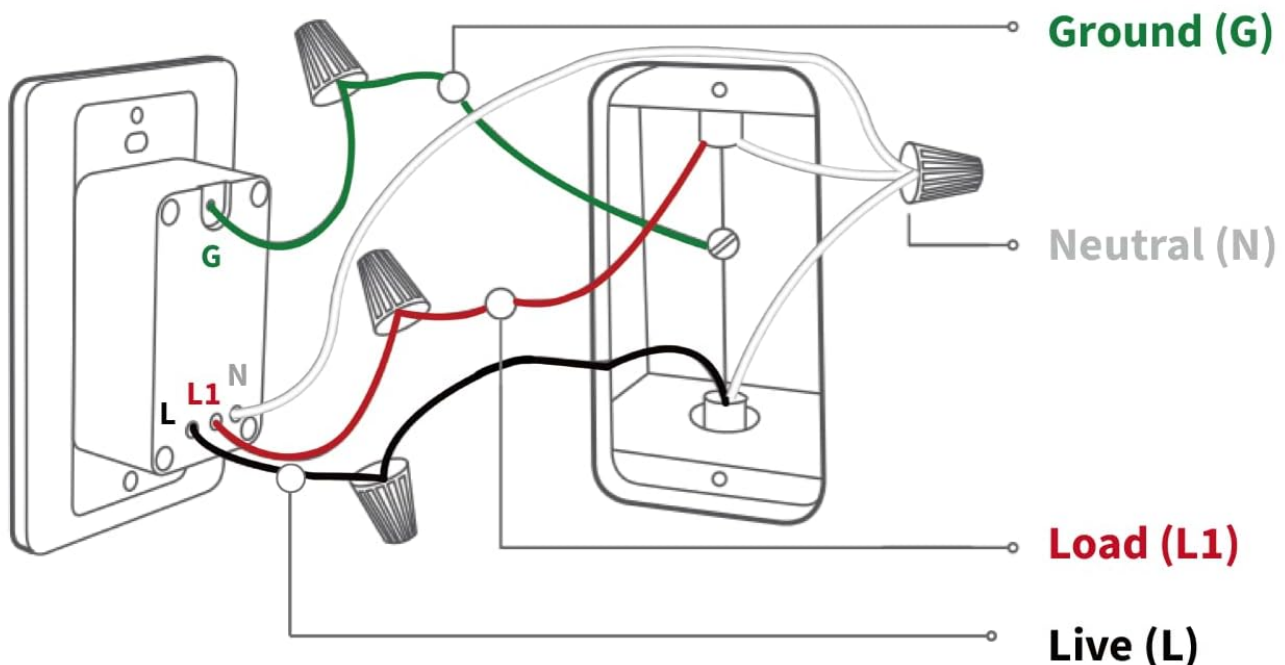
- Aqara Smart Light Switch (with Neutral, Single Rocker)
- Quick Start Guide
- Screws
- Wire Nuts

4. INSTALLATION

Important: This switch requires a neutral wire. If your existing switch box does not have a neutral wire, this product is not compatible. Consult a professional electrician if unsure.

4.1 Identifying Wiring (Neutral vs. No Neutral)

How to distinguish "No Neutral" from "With Neutral"?
Turn off the circuit breaker, unscrew the wall switch and check the wiring behind it. If you have a white wire, most likely you have a Neutral (N). However, since wiring colors may vary, it is strongly advised to use an electroscope or multimeter and consult with a licensed electrician.



*** In case of not connecting some wires, please isolate them using an isolating cap or tape.**

Image: Diagram illustrating how to identify neutral and live wires in a wall switch box.

To distinguish between 'No Neutral' and 'With Neutral' wiring, turn off the circuit breaker, unscrew the wall switch, and check the wiring behind it. If you have a white wire, it is most likely a Neutral (N) wire. However, wiring colors may vary. It is strongly advised

to use an electroscope or multimeter and consult with a licensed electrician to confirm.

4.2 Installation Steps

1. **Turn off Power:** Locate the circuit breaker controlling the light switch and turn it OFF. Verify power is off using a voltage tester.
2. **Remove Old Switch:** Carefully remove the existing wall switch from the wall box. Disconnect the wires, noting their connections. It is recommended to label each wire (Live, Load, Neutral, Ground) for easy re-connection.
3. **Wire the Smart Switch:** Connect the wires from the wall box to the Aqara Smart Light Switch according to the wiring diagram provided in the Quick Start Guide and the video below. Ensure all connections are secure with wire nuts.
4. **Mount the Switch:** Gently push the wired switch into the wall box. Use the provided screws to secure the switch to the box. Do not overtighten to prevent deformation.
5. **Attach Faceplate:** Snap the faceplate onto the switch.
6. **Restore Power:** Turn the power back ON at the circuit breaker.

4.3 Installation Video Guide

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Video: Detailed installation guide for the Aqara Smart Wall Switch (With Neutral, Single Rocker). This video demonstrates the step-by-step process of replacing an old switch with the Aqara Smart Switch, including power cutoff, wire identification, and secure mounting.

4.4 Compatibility

Single Pole Light Switch

(not 3-way switch compatible)



This product is only used to replace a single pole switch rather than a 3-way switch.

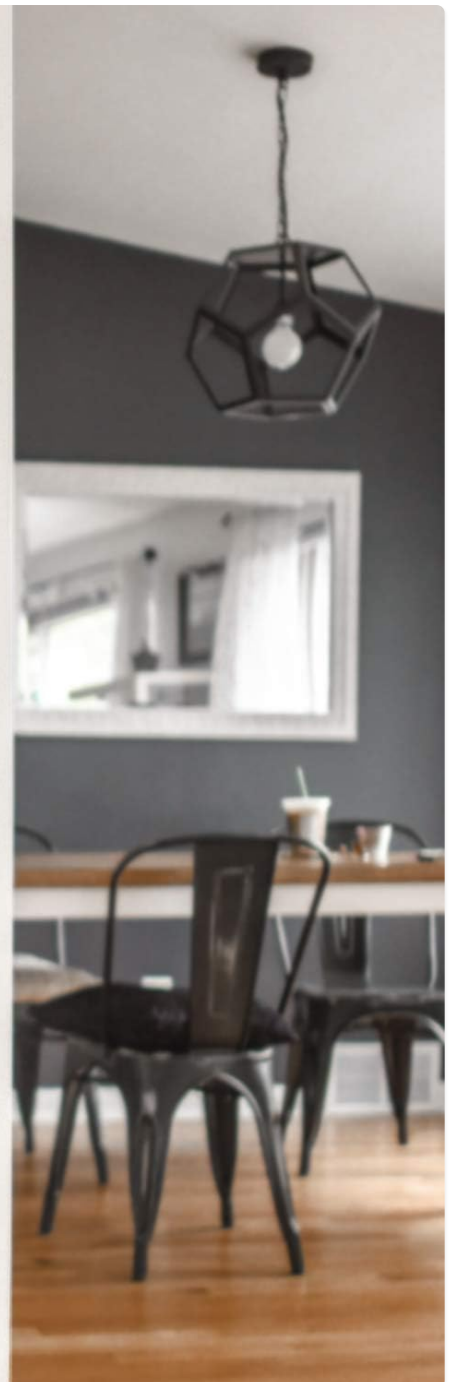


Image: The Aqara Smart Light Switch is designed to replace a single pole switch and is not compatible with 3-way switch configurations.

5. SETUP AND PAIRING

An Aqara Hub is required to use the smart features of this light switch. The hub acts as the central controller for your Aqara smart home devices.

NOTES : Aqara Hub is required and sold separately.



Aqara Hub

← Zigbee Connection →



Aqara Smart Wall Switch

Image: Visual representation of the Aqara Hub connecting to the Aqara Smart Wall Switch via Zigbee.

5.1 Aqara Hub Requirement Video

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Video: An introductory video explaining why an Aqara Hub is required for the smart light switch and other Aqara devices to function as part of a smart home system.

5.2 Pairing with Aqara Hub

1. Ensure your Aqara Hub is powered on and connected to your home Wi-Fi network (2.4 GHz).
2. Open the Aqara Home app on your smartphone.
3. Tap the '+' icon in the top right corner to add an accessory.
4. Select 'Smart Wall Switch (With Neutral, Single Rocker)' from the list.
5. Follow the on-screen instructions to put the switch into pairing mode (usually by long-pressing the button for a few seconds).

until the indicator light blinks).

6. Once successfully paired, the switch will appear in your Aqara Home app.

6. OPERATION AND FEATURES

6.1 Manual Control

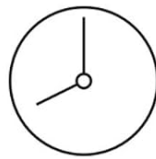
After installation and power restoration, you can manually turn the lights on or off by pressing the rocker switch, just like a traditional light switch.

6.2 Remote Control via Aqara Home App

Control Your Lights From Anywhere



Remote Control



Set Timers



Energy Report

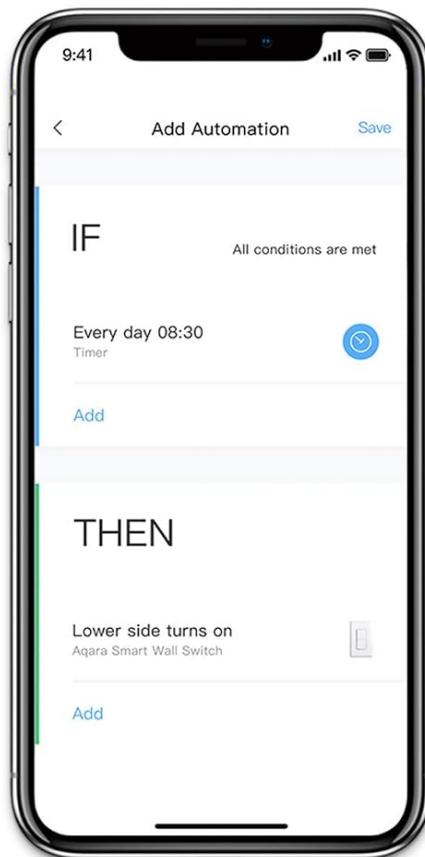


Image: Screenshots of the Aqara Home app demonstrating remote light control, setting timers, and viewing energy consumption reports.

Once paired with the Aqara Hub, you can control your lights from anywhere using the Aqara Home app. The app allows you to:

- Turn lights on/off remotely.
- Set schedules and timers for automatic light control.

- Create custom scenes to control multiple devices simultaneously.
- Monitor energy consumption (if supported by the specific switch model).

6.3 Voice Control

The Aqara Smart Light Switch is compatible with popular voice assistants, including Apple HomeKit (Siri), Google Assistant, and Amazon Alexa. After linking your Aqara account to these platforms, you can control your lights using voice commands.

6.4 Home Automation and Scenes

Integrate the smart switch with other Aqara sensors and devices to create advanced home automations. For example:

- **Motion-Activated Lighting:** Pair with an Aqara Motion Sensor to automatically turn lights on when motion is detected and off when no motion is present.
- **Door/Window Triggered Lights:** Use an Aqara Door and Window Sensor to turn lights on when a door is opened.
- **Good Night Scene:** Create a scene that turns off all lights, locks doors, and adjusts the thermostat with a single command or button press.

Turn Your Ordinary Night Light into A Smart Light



+



+



Smart Wall Switch

Hub

Motion Sensor



Image: Illustration of how the Aqara Smart Wall Switch, Aqara Hub, and a Motion Sensor can be combined to create smart lighting

6.5 Lighting Control Video

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Video: Demonstrates various lighting control functionalities of the Aqara Smart Wall Switch, including remote control via the app and integration with other smart devices for automated lighting scenarios.

7. MAINTENANCE

To ensure optimal performance and longevity of your Aqara Smart Light Switch:

- Clean the switch surface with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- Ensure the switch is not exposed to excessive moisture or extreme temperatures.
- Regularly check for firmware updates via the Aqara Home app to ensure the latest features and security patches.

8. TROUBLESHOOTING

• **Switch Not Responding:**

- Check if the circuit breaker is ON.
- Verify the wiring connections are secure and correct.
- Ensure the Aqara Hub is online and within range.
- Try re-pairing the switch with the hub.

• **Connectivity Issues:**

- Move the Aqara Hub closer to the switch.
- Ensure your Wi-Fi network is stable and operating on 2.4 GHz.
- Check for any physical obstructions or interference sources.

- **Indicator Light Behavior:** Refer to the Quick Start Guide for specific indicator light patterns and their meanings (e.g., red light slowly flashes for power on, blue light blinks quickly for pairing mode).

9. SPECIFICATIONS

Model	WS-USC03
Brand	Aqara
Operation Mode	ON-OFF
Current Rating	5 Amps
Operating Voltage	120 Volts (AC)
Connectivity Protocol	ZigBee
Wattage	600 watts
Material	Polycarbonate, Brass
Item Dimensions (L x W x H)	4.72 x 2.91 x 1.44 inches

Operating Temperature	32°F to 104°F (0°C to 40°C)
Certifications	ETL, FCC

10. WARRANTY AND SUPPORT

Aqara products typically come with a 1-year limited warranty from the date of purchase. For detailed warranty information, please refer to the official Aqara website or contact customer support.

If you encounter any issues or have questions regarding the installation, setup, or operation of your Aqara Smart Light Switch, please contact Aqara Customer Support for assistance. Contact information can usually be found on the product packaging or the official Aqara website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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