

MOES WS-B-OL-US1-WH-MS

MOES WiFi Smart Light Switch 1 Gang Instruction Manual

Model: WS-B-OL-US1-WH-MS

1. INTRODUCTION

Thank you for choosing the MOES WiFi Smart Light Switch. This smart switch allows you to control your lighting remotely via an app, voice commands, or traditional touch. It integrates seamlessly with smart home ecosystems like Alexa and Google Assistant, offering enhanced convenience and control over your home's lighting.

This manual provides detailed instructions for installation, setup, operation, and troubleshooting to ensure a smooth and safe experience with your new smart light switch.

2. IMPORTANT SAFETY INFORMATION

- **Electrical Hazard:** Installation involves high voltage wiring. Always turn off power at the circuit breaker before installation, removal, or servicing. Consult a qualified electrician if you are unsure about electrical procedures.
- **Neutral Wire Required:** This smart light switch requires a neutral wire for proper operation. Verify your electrical box has a neutral wire before attempting installation.
- **2.4GHz Wi-Fi Only:** The switch supports only 2.4GHz Wi-Fi networks. It is not compatible with 5GHz Wi-Fi.
- **No Smart Bulbs or Dimming:** This switch is designed for ON/OFF control of standard lights. It does not support smart bulbs or dimming functions.
- **Single Pole Switch:** Use this device as a single-pole switch only.

VOICE CONTROL

Compatible Alexa / Google Home



Figure 1: Important warnings regarding Wi-Fi frequency, neutral wire, and bulb compatibility.

3. PACKAGE CONTENTS

Please check the package for the following items:

- MOES WiFi Smart Light Switch (1 Gang)
- Mounting Screws
- User Manual

4. PRODUCT OVERVIEW AND SPECIFICATIONS

4.1 Key Features

- **Neutral Wire Design:** Utilizes ground and neutral outgoing wires for convenient wiring.
- **Sensitive Button Structure:** Upgraded button design for improved responsiveness.

- **Space-Saving Design:** Shallow body fits standard wall boxes, occupying only 1 gang switch space.
- **Voice Control:** Compatible with Amazon Alexa and Google Assistant for hands-free operation.
- **Timer & Schedule:** Set schedules, timers, and scenes via the MOES/Tuya App.
- **Remote Control:** Control lights from anywhere using the MOES/Tuya App.



Figure 2: The smart switch features an upgraded button structure for enhanced sensitivity.



Figure 3: The shallow body design allows for more control within limited wall box space.

4.2 Technical Specifications

Specification	Value
Model	WS-B-OL-US1-WH-MS
Operation Mode	ON-OFF-ON
Current Rating	10 A
Operating Voltage	120 volts
Contact Type	Normally Open
Connector Type	Screw Terminals
Switch Type	Toggle

Material	Plastic
Circuit Type	2-way
Mounting Type	Wall Mount
Actuator Type	Remote
Number of Positions	2
Control Method	App, Remote, Touch, Voice
Connectivity Protocol	Wi-Fi (2.4GHz)
Control Type	ON-OFF
Compatible Devices	Alexa, Google Assistant
Color	2nd Generation White
Certification	ETL

5. INSTALLATION (SETUP)

Before you begin: Ensure the power is OFF at the circuit breaker. This device requires a neutral wire. If you are unsure, consult a qualified electrician.

5.1 Wiring Diagram

Upgrade: Electrical Safety & Added Convenience

The ground wire and the neutral wire use the outgoing wire method, convenient for wiring.



Figure 4: Wiring connections for the smart switch, highlighting neutral and live wire terminals.

The smart switch uses the ground and neutral outgoing wire method for convenient wiring. Refer to the diagram above for correct connections.

5.2 Installation Steps

1. **Turn Off Power:** Locate your circuit breaker and turn off the power to the light switch you are replacing. Verify power is off using a voltage tester.
2. **Remove Old Switch:** Carefully remove the existing wall plate and unscrew the old switch from the wall box. Disconnect the wires.
3. **Identify Wires:** Identify the Live (Load), Neutral, and Ground wires. This smart switch requires a neutral wire.
4. **Wire the Smart Switch:** Connect the wires from your wall box to the corresponding terminals on the MOES Smart Light Switch as shown in the wiring diagram (Figure 4). Ensure all connections are secure.
5. **Mount the Switch:** Gently push the wired switch into the wall box and secure it with the provided screws.
6. **Install Wall Plate:** Attach the new wall plate.
7. **Restore Power:** Turn the power back on at the circuit breaker.

6. APP SETUP AND PAIRING

To unlock the full smart features of your MOES Smart Light Switch, you need to connect it to the MOES or Tuya Smart Life app.

1. **Download App:** Download the "MOES" or "Tuya Smart Life" app from the App Store (iOS) or Google Play Store (Android).
2. **Register/Login:** Open the app and register for a new account or log in with an existing one.
3. **Add Device:** In the app, tap the "+" icon to add a new device. Select "Light Switch" or the appropriate category.
4. **Enter Pairing Mode:** Follow the in-app instructions to put the switch into pairing mode. This usually involves pressing and holding a button on the switch until an indicator light flashes rapidly.
5. **Connect to Wi-Fi:** Ensure your phone is connected to a 2.4GHz Wi-Fi network. Enter your Wi-Fi password in the app.
6. **Pairing:** The app will search for and connect to your smart switch. Once connected, you can rename the switch and assign it to a room.

7. OPERATION

7.1 Manual Control

You can always control your lights by physically pressing the button on the smart switch, just like a traditional light switch.

7.2 Remote Control via App

Once paired with the MOES/Tuya app, you can turn your lights ON or OFF from anywhere with an internet connection.

Button structure upgrade, no delay



Figure 5: Control your lights remotely using the MOES/Tuya app.

7.3 Voice Control

Integrate your MOES Smart Light Switch with Amazon Alexa or Google Assistant for convenient voice control.

1. **Link Account:** In the Alexa or Google Home app, link your MOES/Tuya Smart Life account.
2. **Discover Devices:** Ask Alexa or Google Assistant to discover new devices.
3. **Voice Commands:** Use commands like:
 - "Alexa, turn on the living room light."
 - "Hey Google, turn off the bedroom light."

TIMER & COUNTDOWN



Timer Auto-ON at 7:00 PM

Countdown Auto-OFF after 20min

Timer Auto-ON at 5:30 AM

Countdown Auto-OFF after 20min



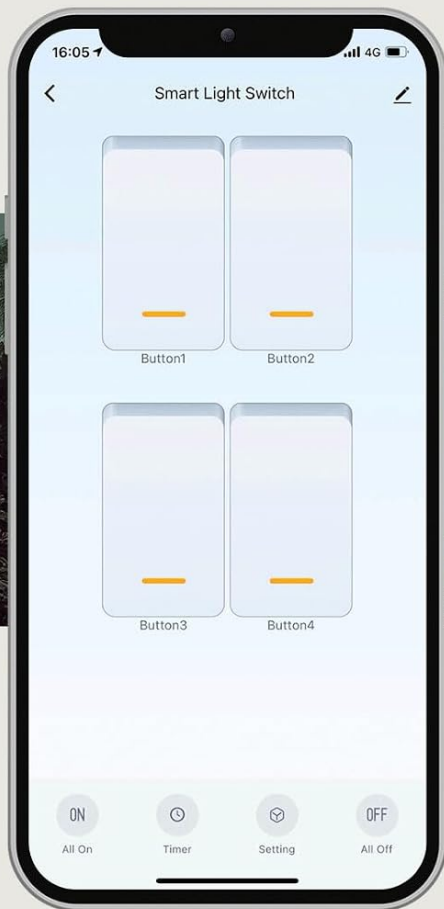
Figure 6: Voice control with Alexa and Google Assistant for hands-free operation.

7.4 Timer and Schedule Functions

Set up automated schedules and timers through the MOES/Tuya app to manage your lighting automatically.

- **Schedules:** Program lights to turn ON/OFF at specific times (e.g., turn on at 7:00 PM, turn off at 10:00 PM).
- **Countdown:** Set a countdown timer for lights to turn off after a specified duration (e.g., turn off after 20 minutes).

APP Remote Control



Control your lights on/off without distance limited.



Figure 7: Configure timers and schedules for automated lighting control.

8. MAINTENANCE

The MOES WiFi Smart Light Switch requires minimal maintenance. Follow these guidelines:

- **Cleaning:** Wipe the switch and wall plate with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Regular Checks:** Periodically check the switch for any signs of damage or loose connections. If any issues are found, turn off power at the breaker and consult a qualified electrician.
- **Firmware Updates:** Keep the MOES/Tuya app updated to receive the latest firmware for your switch, which may include performance improvements and new features.

9. TROUBLESHOOTING

If you encounter issues with your MOES Smart Light Switch, refer to the following common solutions:

- **Switch Not Responding:**

- Ensure power is supplied to the switch. Check your circuit breaker.
- Verify wiring connections are secure and correct (Live, Neutral, Ground).
- If the switch is unresponsive to touch, try resetting it by turning off the power at the breaker for 10 seconds, then turning it back on.

- **Cannot Connect to Wi-Fi:**

- Confirm your Wi-Fi network is 2.4GHz. The switch does not support 5GHz networks.
- Ensure your Wi-Fi signal is strong at the switch's location.
- Check that your Wi-Fi password is entered correctly in the app.
- Try restarting your Wi-Fi router.
- Put the switch back into pairing mode and try connecting again.

- **Voice Control Not Working:**

- Ensure your MOES/Tuya Smart Life account is correctly linked to your Alexa or Google Home app.
- Verify that the smart switch is online and responsive in the MOES/Tuya app.
- Try rediscovering devices in your Alexa or Google Home app.

- **Lights Flicker or Don't Turn On:**

- Confirm that the light bulbs are not smart bulbs or dimmable bulbs, as this switch is not compatible with them.
- Check the wattage of your bulbs to ensure they are within the switch's specifications.

If the problem persists after trying these steps, please contact MOES customer support for further assistance.

10. WARRANTY AND SUPPORT

MOES products come with a standard manufacturer's warranty. For detailed warranty information, please refer to the warranty card included with your product or visit the official MOES website.

For technical support, troubleshooting assistance, or any questions regarding your MOES WiFi Smart Light Switch, please contact MOES customer service through their official website or the contact information provided in the product packaging.

Please have your product model number (WS-B-OL-US1-WH-MS) and purchase details ready when contacting support.

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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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question