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› MOES Matter-WiFi Smart Light Switches User Manual

MOES Matter 1 Gang Switch (B0DNSBH62L)

MOES Matter-WiFi Smart Light Switch User Manual

Model: Matter 1 Gang Switch (B0DNSBH62L)

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MOES Matter-WiFi Smart Light Switch. This device integrates Matter protocol for seamless compatibility with various smart home ecosystems, offering enhanced control over your lighting.



Image 1.1: MOES Matter-WiFi Smart Light Switch and its retail packaging.

2. SAFETY INFORMATION

- **Electrical Hazard:** Installation must be performed by a qualified electrician or a person with a thorough understanding of electrical wiring. Always turn off power at the circuit breaker before installation, removal, or maintenance.
- **Neutral Wire Required:** This smart switch requires a neutral wire for proper operation. If your electrical box does not have a neutral wire, consult a professional electrician.

- **2.4GHz Wi-Fi Only:** The switch supports 2.4GHz Wi-Fi networks. Ensure your router is configured for 2.4GHz or has a mixed mode.
- **Indoor Use Only:** This device is designed for indoor use in dry locations.
- **Operating Voltage:** 90-240V AC, 50/60Hz.
- **Maximum Current:** 10A/Gang; Total 10A.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- MOES Matter-WiFi Smart Light Switch
- Mounting Screws
- User Manual

4. PRODUCT OVERVIEW

The MOES Matter-WiFi Smart Light Switch is designed for modern smart homes, offering both manual and smart control capabilities. Its compact design allows for installation in standard wall boxes, even in limited spaces.

4.1 Key Features

- **Matter Protocol:** Ensures broad compatibility with various smart home platforms like Apple HomeKit, Google Home, Amazon Alexa, and SmartThings.
- **Wi-Fi Connectivity:** Connects directly to your 2.4GHz Wi-Fi network.
- **Compact Design:** Shallow body fits most wall boxes, optimizing space.
- **High-Quality Buttons:** Designed for smooth operation without sticking.
- **Voice Control:** Compatible with leading voice assistants.
- **Remote Control:** Manage your lights from anywhere via a smartphone app.
- **Scheduling & Timers:** Automate your lighting based on your daily routine.



High-quality Button Structure without Sticking



Image 4.1: The MOES Smart Switch features high-quality buttons designed for reliable operation.

For Limited Space

Occupy only 1-gang for more control in limited space setups.



Image 4.2: The MOES smart switch is designed to occupy minimal space, allowing for more control in limited setups compared to traditional switches.

5. SETUP AND INSTALLATION

5.1 Pre-Installation Checklist

1. Ensure power is OFF at the circuit breaker for the switch you are replacing.
2. Confirm the presence of a neutral wire in your electrical box. A neutral wire is typically white or gray.
3. Verify your Wi-Fi network is 2.4GHz.

5.2 Wiring Instructions

Follow the wiring diagram carefully. Incorrect wiring can cause damage to the switch or electrical system.

- **L (Live/Hot Wire):** Connect the incoming live wire to the 'L' terminal.
- **N (Neutral Wire):** Connect the neutral wire from your electrical box to the 'N' terminal.
- **OUT (Load Wire):** Connect the load wire(s) (going to your light fixture) to the 'OUT' terminal(s). For a 1-gang switch, there will be one 'OUT' terminal.
- **G (Ground Wire):** Connect the ground wire to the 'G' terminal.

Electricity Safety & Added Convenience

The ground and neutral wires use the outgoing wire mode, which is convenient for wiring and improves the safety of switch wiring.



Image 5.1: Detailed view of the MOES Smart Switch's wiring terminals, illustrating the connection points for Neutral, Live, and Load wires.

5.3 Physical Installation

1. After wiring, carefully push the switch into the wall box.
2. Secure the switch to the wall box using the provided screws.
3. Attach the wall plate.

4. Restore power at the circuit breaker. The indicator light on the switch should illuminate.

5.4 Matter Pairing and App Integration

The MOES Matter-WiFi Smart Light Switch supports Matter protocol, allowing integration with various smart home platforms without needing multiple apps. A Matter-compatible hub (e.g., Apple HomePod, Google Nest Hub, Amazon Echo (3rd Gen+), SmartThings Hub) is required for Matter integration.

1. **Power On:** Ensure the switch is powered on and its indicator light is blinking, indicating it's in pairing mode. If not, press and hold the main button for 5-10 seconds until it blinks.
2. **Open Smart Home App:** Open your preferred Matter-compatible smart home app (e.g., Apple Home, Google Home, Amazon Alexa, SmartThings).
3. **Add Device:** Follow the app's instructions to add a new device. You will typically scan a QR code (found on the switch or packaging) or manually enter a pairing code.
4. **Network Connection:** The app will guide you through connecting the switch to your 2.4GHz Wi-Fi network.
5. **Device Naming:** Assign a name to your switch (e.g., "Living Room Light") for easy control.



Image 5.2: The MOES Smart Switch supports multiple platforms, requiring a compatible hub for Matter integration with systems like Apple Home, Google Home, Alexa, and SmartThings.

6. OPERATING INSTRUCTIONS

6.1 Manual Control

Press the physical button on the switch to turn the connected light ON or OFF.

6.2 Voice Control

Once paired with a Matter-compatible voice assistant (Alexa, Google Assistant, Apple HomeKit), you can control your lights using voice commands.

- **Alexa:** "Alexa, turn on [Device Name]."
- **Google Assistant:** "Hey Google, turn off [Device Name]."
- **Siri (Apple HomeKit):** "Hey Siri, turn on [Device Name]."

VOCIE CONTROL

"Hi MOES, turn on the light."

OK~

Control your lights effortlessly using Siri®, Alexa, Google Assistant, or any Matter-compatible voice assistant



Image 6.1: Control your MOES Smart Switch effortlessly using voice commands with compatible assistants like Google Home.

6.3 Remote Control (via App)

Use your smart home app to control the switch remotely from anywhere with an internet connection.



Use MOES APP



REMOTE CONTROL



Control your light anywhere at any time.

Image 6.2: The MOES app allows for remote control of your smart switch from any location.

6.4 Timer and Schedule Functions

Set up schedules and timers within your smart home app to automate your lighting.

- **Schedule:** Program lights to turn ON/OFF at specific times (e.g., turn on at sunset, turn off at bedtime).
- **Countdown:** Set a timer for the light to turn off after a specified duration.
- **Cycle Timing:** Configure lights to cycle ON/OFF at regular intervals.

YOUR SCHEDULE

- Timer Auto-ON at 7:00 PM
- Countdown Auto-OFF after 20min



Image 6.3: The MOES Smart Switch supports various timing functions, including countdowns and scheduled operations.

6.5 Indicator Light Mode

The indicator light on the switch can be configured to display different statuses within the app.

- **On/Off Status:** Indicates whether the light is currently on or off.
- **Switch Position:** Helps locate the switch in the dark.

Indicator Light Mode

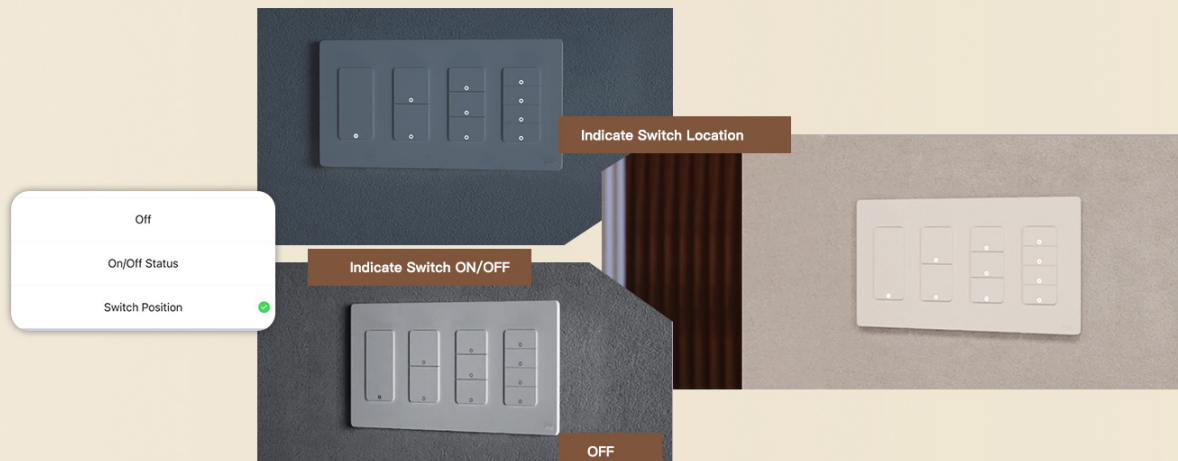


Image 6.4: The indicator light on the MOES Smart Switch can be customized to show ON/OFF status or help locate the switch.

6.6 Relay Status Settings

You can configure the switch's behavior after a power outage through the app.

- **Power-off:** The light remains off after power is restored.
- **Power-on:** The light turns on after power is restored.
- **Restart Memory:** The light returns to its last known state before the power outage.

Relay Status Settings

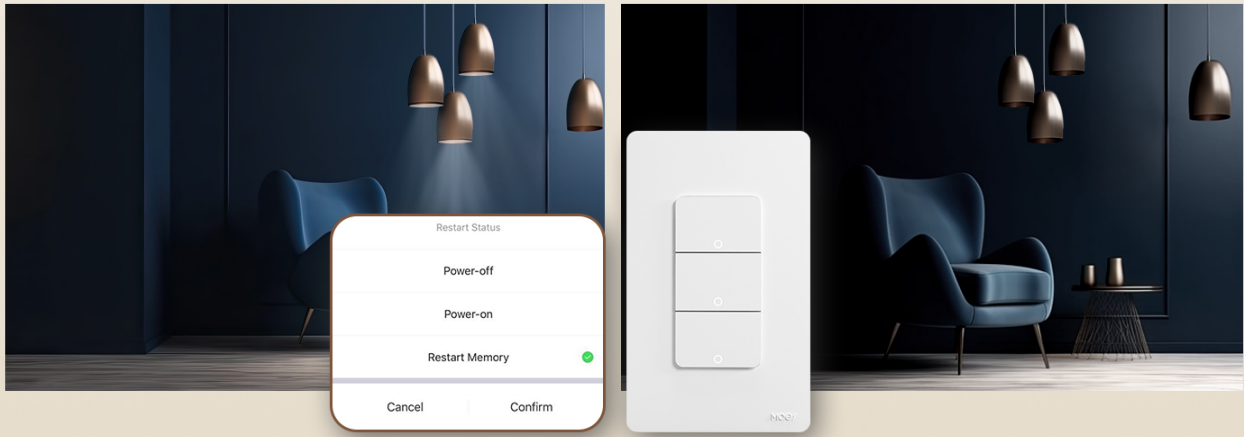


Image 6.5: Configure the relay status settings to define the switch's behavior after a power interruption.

7. MAINTENANCE

- **Cleaning:** Wipe the switch surface with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Firmware Updates:** Periodically check your smart home app for available firmware updates to ensure optimal performance and security.
- **Power Cycle:** If the switch becomes unresponsive, turn off power at the circuit breaker for 30 seconds, then restore power.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Switch not responding to manual press.	No power, faulty wiring, internal malfunction.	Check circuit breaker. Verify wiring. Power cycle the switch. If issue persists, contact support.
Cannot pair the switch with Matter.	Incorrect Wi-Fi (not 2.4GHz), Matter hub not found, IOT Compatibility Mode enabled on router.	Ensure 2.4GHz Wi-Fi. Confirm Matter hub is online and nearby. Disable 'IOT Compatibility Mode' on your router if applicable, then re-pair. Re-enable after pairing if desired.
Voice control not working.	Switch not linked to voice assistant, incorrect device name, internet connectivity issue.	Verify the switch is linked in your voice assistant app. Check device name. Ensure stable internet connection.
Remote control not working.	No internet connection, app issue.	Check your home internet connection. Ensure your phone has internet access. Restart the app.
Switch disconnects frequently.	Weak Wi-Fi signal, network interference.	Move Wi-Fi router closer or use a Wi-Fi extender. Check for other devices causing interference.

9. SPECIFICATIONS

Specification	Detail
Model	WS-B-US (Neutral+Live)
Voltage	90-240V AC, 50/60Hz
Max. Current	10A/Gang; Total 10A
Wireless Protocol	Matter, Wi-Fi (2.4GHz only)
Operation Mode	Automatic
Contact Type	Normally Open, Normally Closed
Connector Type	Screw Terminals
Circuit Type	2-way
Contact Material	Copper, Brass
Control Method	App, Push Button, Remote, Voice
Package Dimensions	5.12 x 3.39 x 2.2 inches
Weight	4.97 ounces

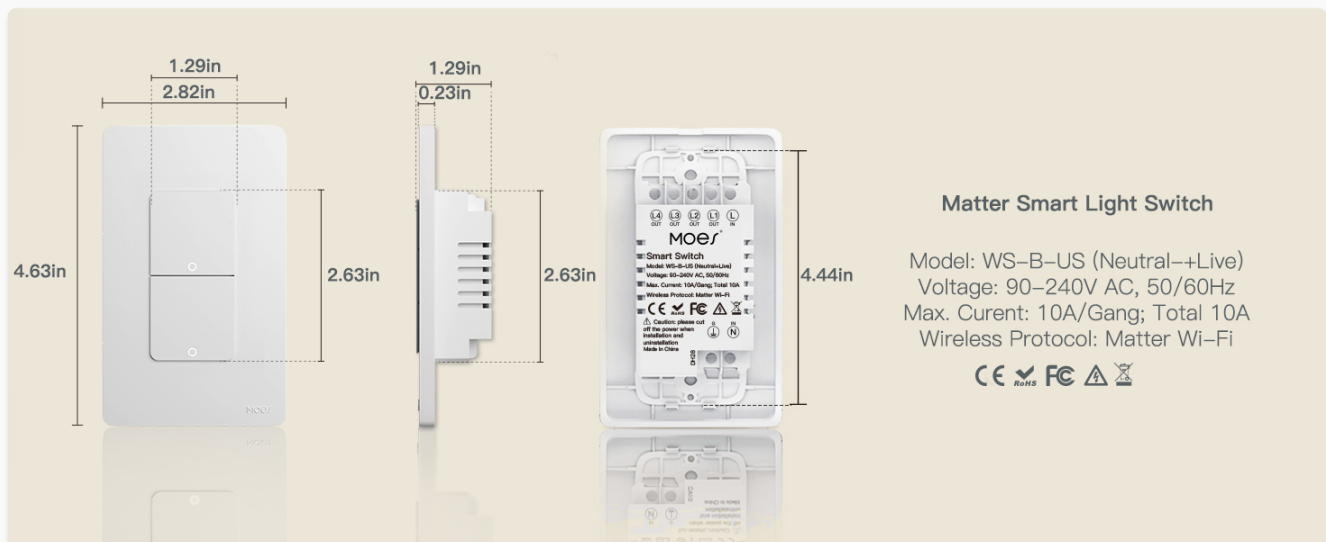


Image 9.1: Detailed dimensions and technical specifications for the MOES Matter Smart Light Switch.

10. WARRANTY AND SUPPORT

MOES products are designed for reliability and performance. For warranty information, technical support, or assistance with your device, please refer to the official MOES website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Manufacturer: WENZHOU NOVA NEW ENERGY CO.,LTD

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