

NEO B07TWC8R7D

NEO Z-Wave Plus Smart Light Switch User Manual

MODEL: B07TWC8R7D (1 GANG, 2 SWITCHES)

1. Introduction

This manual provides comprehensive instructions for the installation, setup, operation, and maintenance of your NEO Z-Wave Plus Smart Light Switch. This intelligent device allows for remote control through a Z-Wave network and radio waves, integrating seamlessly into your smart home system. It requires a Z-Wave gateway controller to function.

The switch features two touch buttons, each capable of controlling an independent relay to turn devices on or off. Each gang supports a maximum of 16A. You can set timers for automated lighting and control the switch remotely.

2. Safety Information

- **WARNING: Risk of Electric Shock.** Installation should only be performed by a qualified electrician or a person with a thorough understanding of electrical systems.
- Disconnect power at the circuit breaker or fuse box before installation.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Do not exceed the maximum load rating of 16A per gang.
- This device is designed for indoor use only.
- Keep away from water and excessive moisture.

3. Product Overview

The NEO Z-Wave Plus Smart Light Switch features a sleek touch panel design with integrated indicator lights for status feedback.

Intelligent Core **Touch Control**

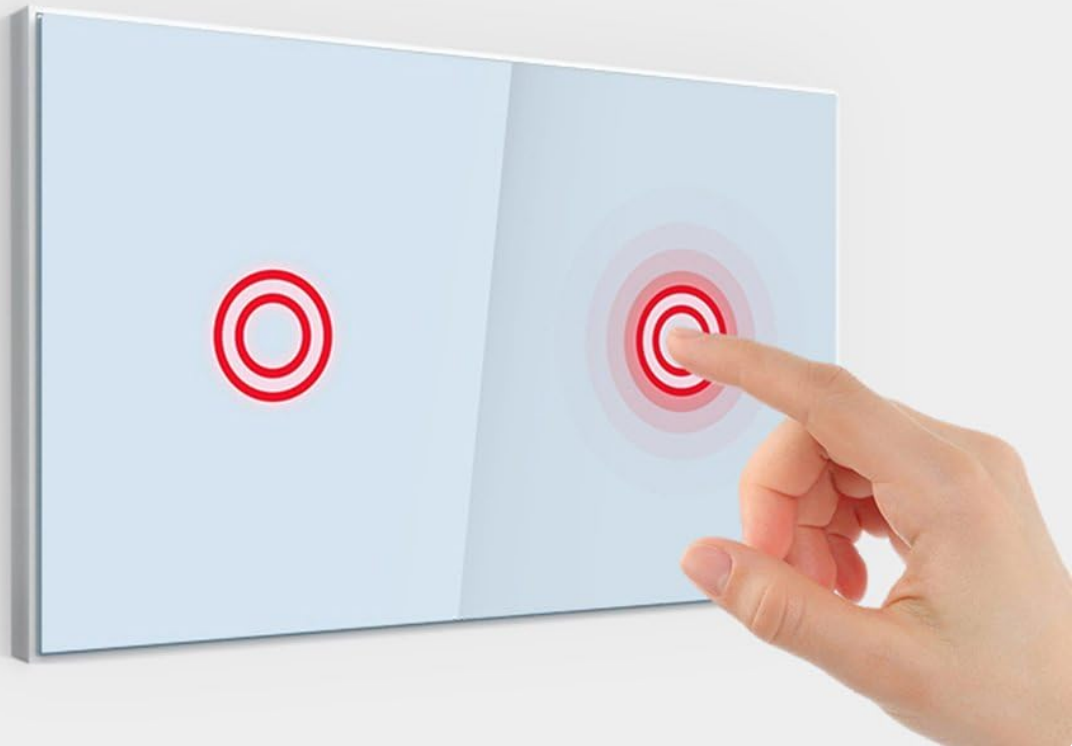


Figure 3.1: Front view of the NEO Z-Wave Plus Smart Light Switch, showing two touch-sensitive circles.

Unique style with quite thin panel

1mm Tempered Panel



improve %

95



improve %

102



Figure 3.2: Side view illustrating the thin 1mm tempered glass panel of the switch, highlighting its anti-shock and bending strength properties.

SPECIFICATION

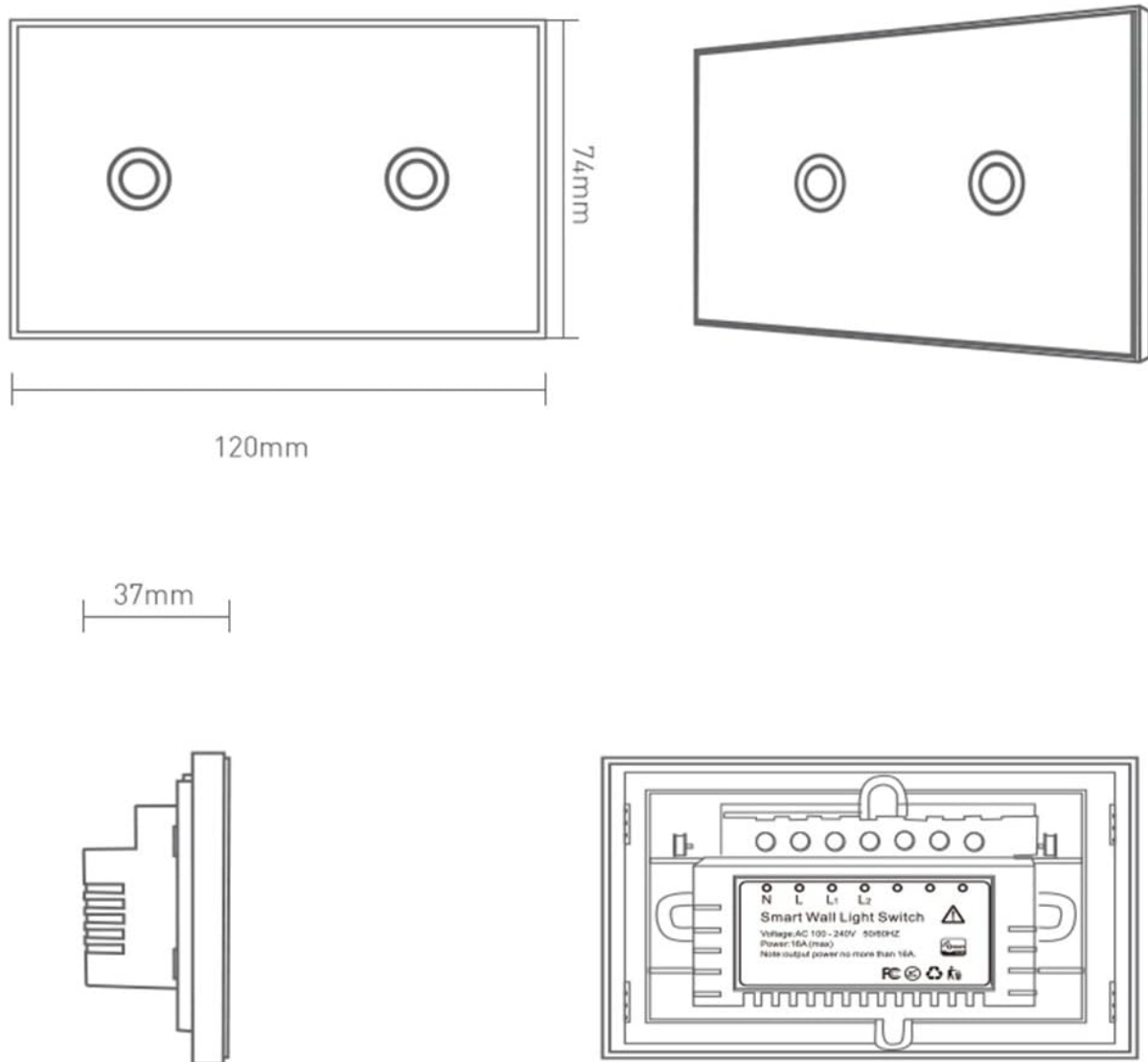


Figure 3.3: Detailed technical drawing showing the dimensions (120mm x 74mm x 37mm) and internal components of the smart light switch.

4. Installation

Before beginning installation, ensure the power is OFF at the circuit breaker. This device is designed for in-wall installation in a standard electrical box.

4.1 Wiring Diagram

The switch requires Live (Line), Load, and Neutral connections. A ground wire should also be connected for safety.



Figure 4.1: Simplified wiring diagram showing connections for Live, Load, and Neutral wires. Consult a qualified electrician if unsure.

4.2 Installation Steps

1. **Turn off power:** Locate the circuit breaker controlling the switch location and turn it OFF. Verify power is off using a voltage tester.
2. **Remove old switch:** Carefully remove the existing wall plate and switch from the electrical box. Disconnect the wires.
3. **Wire the NEO switch:** Connect the wires to the corresponding terminals on the NEO Z-Wave Plus Smart Light Switch.
 - Connect the Live (Line) wire to the 'L' terminal.
 - Connect the Load wire(s) to the 'L1' and 'L2' terminals (for 1st and 2nd gang respectively).
 - Connect the Neutral wire to the 'N' terminal.
 - Connect the Ground wire to the ground screw in the box.

Note: Some users have reported issues with terminal design and mounting. Ensure wires are neatly tucked into the electrical box to prevent interference with the mounting plate. Spacers or washers may be needed between the back plate and the wall if the main unit clips do not seat properly.

4. **Mount the switch:** Secure the switch into the electrical box using the provided screws.
5. **Attach faceplate:** Snap the glass faceplate onto the switch module.
6. **Restore power:** Turn the power back ON at the circuit breaker.

5. Z-Wave Network Setup

The NEO Z-Wave Plus Smart Light Switch must be included (paired) into a Z-Wave network to enable smart control features. It works with most Z-Wave hubs, including SmartThings, Vera, Fibaro, HomeSeer, Iris, and Aeotec.

5.1 Inclusion (Pairing)

1. Ensure your Z-Wave gateway controller is in inclusion mode (refer to your gateway's manual for specific instructions).
2. On the NEO Smart Light Switch, quickly press one of the touch buttons three times. The indicator light will flash to confirm inclusion mode.
3. The gateway will detect and add the device. Once successfully included, the indicator light will stop flashing and show its normal status.

5.2 Exclusion (Unpairing)

1. Ensure your Z-Wave gateway controller is in exclusion mode.

2. On the NEO Smart Light Switch, quickly press one of the touch buttons three times. The indicator light will flash to confirm exclusion mode.
3. The gateway will remove the device from the network.

6. Operating Instructions

The NEO Smart Light Switch offers both manual touch control and remote Z-Wave control.

6.1 Manual Control

Simply touch the circular icons on the glass panel to toggle the connected lights or devices ON/OFF.

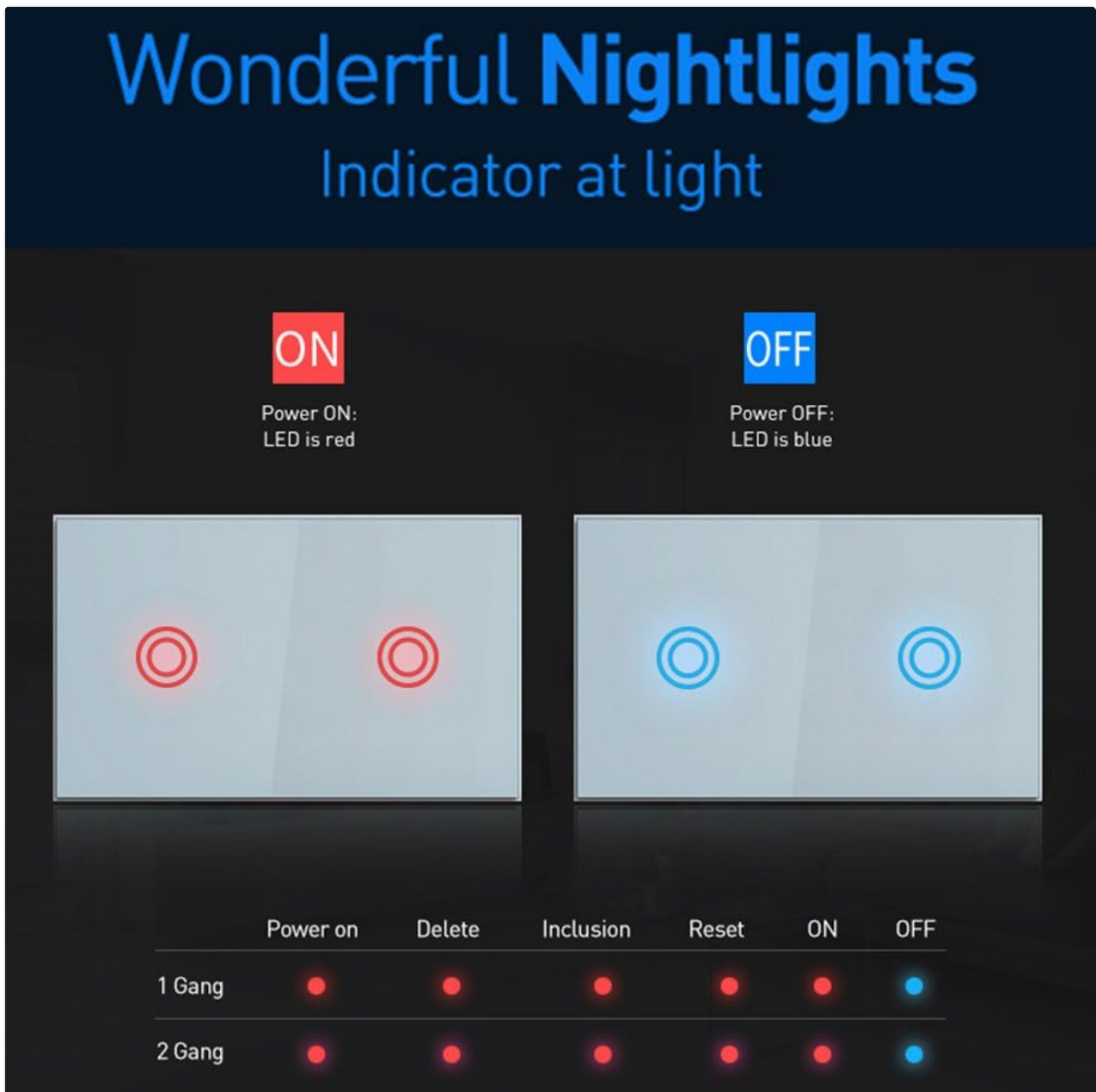


Figure 6.1: Indicator lights on the touch panel. When power is ON, the LED is red. When power is OFF, the LED is blue.

6.2 Remote Control via Z-Wave Hub

Once paired with your Z-Wave hub, you can control the switch remotely using your hub's mobile application or other integrated smart home systems. This allows for scheduling, scene creation, and control from anywhere.

Smart Control Enjoy Your Life



Figure 6.2: Illustration of a smartphone app controlling the smart light switch through a Z-Wave hub, enabling remote management.

7. Maintenance

The NEO Z-Wave Plus Smart Light Switch requires minimal maintenance.

- **Cleaning:** To clean the glass panel, gently wipe it with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the surface.
- **Firmware Updates:** Check your Z-Wave hub's documentation for information on potential firmware updates for connected devices.

8. Troubleshooting

If you encounter issues with your NEO Z-Wave Plus Smart Light Switch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Switch does not respond to touch.	No power, loose wiring, or internal fault.	Check circuit breaker. Verify wiring connections. If problem persists, contact support.
Switch does not respond to Z-Wave commands.	Not properly included in Z-Wave network, out of range, or hub issue.	Ensure switch is within range of the Z-Wave hub. Try re-including the device. Check Z-Wave hub status.
Indicator lights are not functioning correctly.	Power issue or internal fault.	Verify power supply. If lights are consistently off or incorrect, contact support.
Switch does not sit flush in the wall box.	Wiring too bulky or mounting plate design.	Carefully arrange wires to maximize space in the electrical box. Consider using small washers or spacers between the mounting plate and the wall if the clips interfere.

9. Specifications

Feature	Specification
Model	B07TWC8R7D
Item Weight	8 ounces
Package Dimensions	5.7 x 4.6 x 2 inches
Wattage	11536 watts (Max total load, please verify with product packaging for individual gang limits)
Mounting Type	Wall Mount
Switch Style	Touch Switch
Certification	Z-Wave Plus Certified, IP54
Batteries Required?	No
Date First Available	July 10, 2019

10. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product packaging or visit the official NEO website. Keep your purchase receipt for warranty claims.

