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Maclean MCE703W

Maclean Energy MCE703W Double Glass Touch Switch User Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Maclean Energy MCE703W Double Glass Touch Switch. Please read this manual thoroughly before installation and keep it for future reference.

The Maclean Energy MCE703W is an innovative double touch wall switch featuring a discreet backlight for easy location in the dark. Its tempered glass panel offers exceptional resistance to scratches, moisture, and temperature fluctuations, while providing a smooth, crystal-clear surface that is easy to clean. It is suitable for all types of light sources up to a maximum of 1000W and includes an LED adapter to prevent unwanted effects like residual glow after switching off.

2. SAFETY INFORMATION

- Always disconnect power at the main circuit breaker before performing any electrical work. Failure to do so may result in serious injury or death.
- Installation should be performed by a qualified electrician or a person with a thorough understanding of electrical wiring.
- Ensure the switch is compatible with your electrical system (240 Volts, 10A current rating).
- Do not exceed the maximum load of 1000W for connected lighting.
- Avoid installing the switch in areas with excessive humidity or direct water exposure unless specifically rated for such environments.

3. PACKAGE CONTENTS

- Maclean Energy MCE703W Double Glass Touch Switch
- Mounting Screws
- LED Adapter (for preventing residual glow)
- User Manual

4. INSTALLATION

4.1 Pre-installation

Before beginning installation, ensure the power supply to the relevant circuit is turned off at the main circuit breaker. Use a voltage tester to confirm that no power is present.



Image: Maclean Energy MCE703W double glass touch switch in white, mounted on a dark grey wall, illustrating its sleek design.

4.2 Wiring

The MCE703W switch supports both Live + Neutral wiring and No Neutral wiring configurations. Refer to

the diagrams below and the provided videos for detailed instructions.

Live + Neutral Wiring:

Connect the live wire (L), the light control wires (L1, L2 for each gang), and the neutral wire (N) to the corresponding terminals on the back of the switch. For this method, no capacitor is required.

Your browser does not support the video tag.

Video: This video demonstrates the installation process for a smart light switch, covering both live+neutral and no-neutral wiring configurations. It shows how to connect the live wire, light wire, and neutral wire (if applicable), and how to install the capacitor for no-neutral setups.

No Neutral Wiring:

If your electrical box does not have a neutral wire, you can still install the MCE703W switch. Connect the phase wire (L) to the 'L' terminal and the light control wires (L1, L2) to their respective terminals. In this configuration, a capacitor must be connected in parallel to the light source (not the switch) to prevent flickering or residual glow. Connect the capacitor to the L1 and Neutral wires of the light fixture.

Your browser does not support the video tag.

Video: Detailed video guide on installing a smart light switch using a single live wire (no neutral required). It illustrates connecting the phase wire to the 'L' terminal and the light control wire to 'L1', 'L2', etc., and the parallel connection of the capacitor to the light source.



Image: Rear view of the Maclean Energy MCE703W touch switch, showing the 'L' (Live), 'L1', 'L2' (Load 1, Load 2), and 'N' (Neutral) terminals, along with maximum load specifications.



Image: Technical diagram illustrating the physical dimensions (85x85x33mm) and a simplified wiring schematic for the Maclean Energy MCE703W touch switch.

4.3 Mounting

Once wired, carefully push the switch module into the wall box. Secure it using the provided screws. Attach the glass front panel by aligning it and pressing firmly until it clicks into place.

5. SETUP (APP PAIRING)

To enable smart control features, you will need to pair your switch with a compatible mobile application (e.g., Tuya Smart or Smart Life).

1. Download the appropriate smart home app from your device's app store.
2. Ensure Bluetooth is enabled on your smartphone.
3. Open the app and follow the on-screen instructions to add a new device. You may need to put the switch into pairing mode (often by long-pressing one of the touch buttons until an indicator light

flashes).

4. Select the detected switch and enter your Wi-Fi network credentials when prompted.
5. Once successfully paired, you can control the switch via the app.

Your browser does not support the video tag.

Video: Instructional video demonstrating how to connect the smart switch to a mobile application via WiFi. It covers enabling Bluetooth, adding the device in the app, entering WiFi credentials, and controlling the switch functions through the app interface.

6. OPERATING INSTRUCTIONS

6.1 Manual Operation

Simply touch the square icons on the glass panel to turn the connected lights ON or OFF. The backlight changes color (green when OFF, red when ON) to indicate the status of the light, making it easy to locate in the dark.

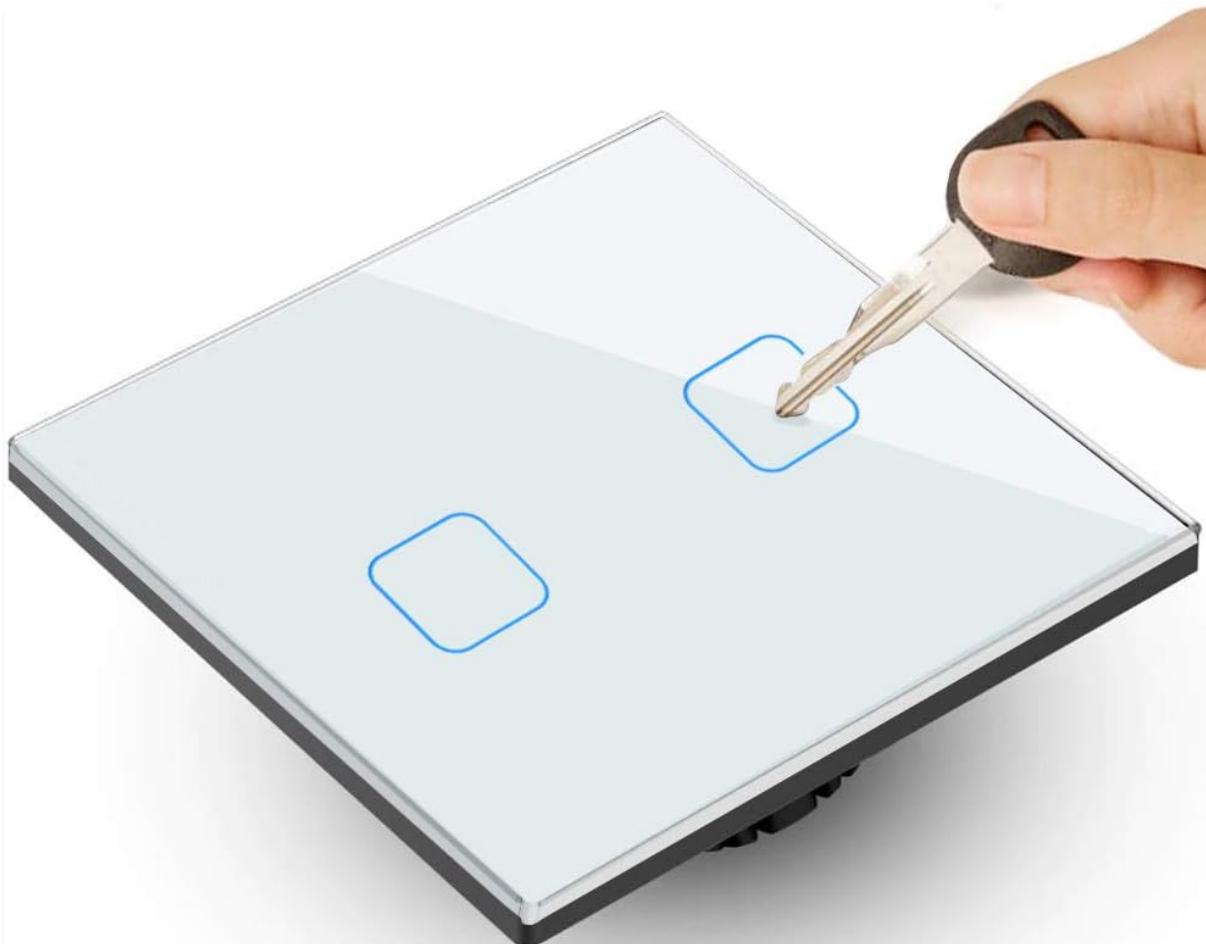


Image: A hand demonstrating the touch functionality of the Maclean Energy MCE703W switch, highlighting the responsive glass surface.

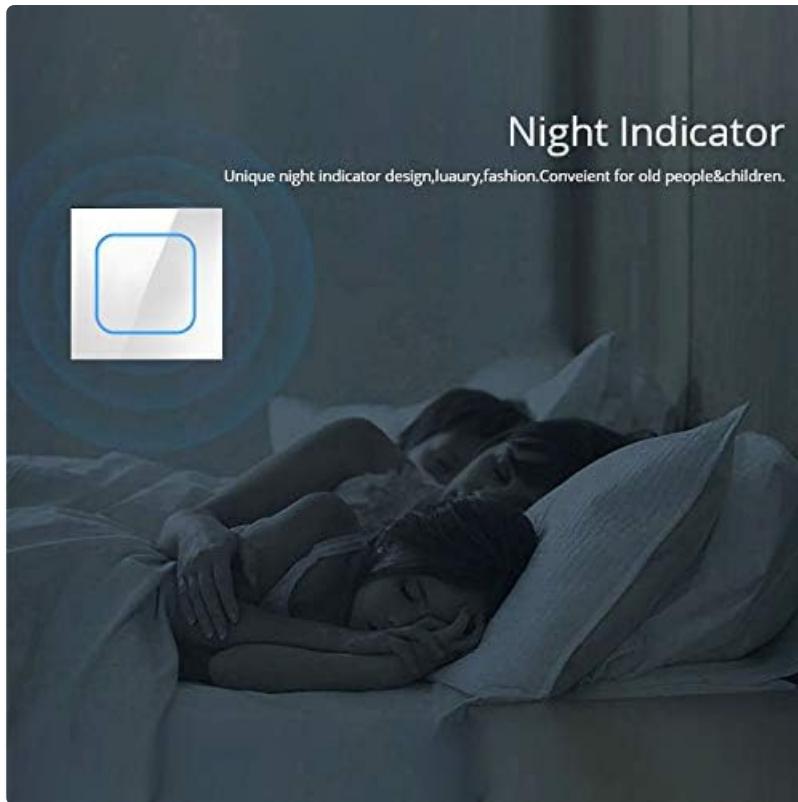


Image: The Maclean Energy MCE703W touch switch featuring a subtle night indicator light, making it easy to find in a dark bedroom environment.

6.2 App Control

Once paired with the smart home app, you can control your lights remotely, set schedules, create scenes, and integrate with other smart devices.

7. MAINTENANCE

The smooth, crystal glass surface of the MCE703W switch is easy to clean. Use a soft, damp cloth to wipe the surface. Avoid abrasive cleaners or harsh chemicals that could damage the glass or electronic components.



Image: A hand cleaning the smooth glass surface of the Maclean Energy MCE703W touch switch with a squeegee, demonstrating its easy-to-clean design.

8. TROUBLESHOOTING

- Lights flickering or glowing when OFF:** This is common with LED lights in no-neutral setups. Ensure the provided LED adapter (capacitor) is correctly installed in parallel with the light fixture.
- Switch not responding to touch:** Check if the power is on. Ensure the glass panel is securely attached. If the issue persists, try resetting the switch (refer to app instructions for reset procedure).
- App connectivity issues:** Ensure your Wi-Fi network is active and the switch is within range. Verify your Wi-Fi password in the app. Try restarting your router and the switch.
- Switch not powering on:** Double-check all wiring connections, especially the live and neutral (if applicable) wires. Ensure the circuit breaker is ON.

9. SPECIFICATIONS

Feature	Specification
Manufacturer	Maclean
Product Dimensions (L x W x H)	8.5 x 8.5 x 3.3 cm
Weight	190 grams

Model Reference	MCE703 W
Color	MCE703W (White)
Style	Modern
Material	Glass
Shape	Angular
Power Type	AC
Voltage	240 Volts
Max Power	1000 Watt
Installation Method	Screw-in
Number of Items	1
Switch Type	1-way
Special Features	Backlight
Included Components	With LED or light adapter
Operating Mode	ON-OFF
Current Rating	10 A
Contact Type	Normally Closed
Connector Type	Plug-in
Terminal	Screw

10. WARRANTY AND SUPPORT

For warranty information, technical support, or any questions not covered in this manual, please contact Maclean customer service or refer to the product's official website. Keep your purchase receipt as proof of purchase.