Refoss MSS510-Refoss

Refoss Smart Light Switch MSS510 User Manual

Model: MSS510-Refoss
Brand: Refoss

INTRODUCTION

This manual provides comprehensive instructions for the installation, setup, operation, and maintenance of your Refoss Smart Light Switch (Model MSS510). This smart switch is designed to integrate seamlessly with your smart home ecosystem, offering convenient control via Apple HomeKit, Amazon Alexa, and Google Home. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

IMPORTANT NOTES BEFORE INSTALLATION

- **2.4GHz Wi-Fi Only:** This device operates exclusively on a 2.4GHz Wi-Fi network. It does not support 5GHz Wi-Fi.

- **Neutral Wire Required:** A neutral wire (typically white) is required for the installation of this smart switch. Please ensure your existing wiring includes a neutral wire before proceeding.

- **Single Pole Switch Only:** This smart switch is designed to replace single-pole switches only. It is not compatible with 3-way or 4-way switch configurations.

- **Not for Smart Bulbs:** Do not use this smart switch with existing smart bulbs. It is intended for use with traditional incandescent, LED, or CFL bulbs.

- **Maximum Wattage:** Supports up to 400W for Incandescent (INC) bulbs and 150W for LED and CFL bulbs.

Notes Before Purchase

- **2.4GHz Wi-Fi Only**
  (Not Supports 5GHz)

- **Neutral Wire is Required**

- **Only Replace Single Pole Switch**

- **DO NOT use for smart bulbs**

Figure 1: Important compatibility and wiring requirements for the Refoss Smart Light Switch.

Figure 2: Compatibility details for the Refoss Smart Light Switch, including supported bulb types and wattage limits.

PACKAGE CONTENTS

Your Refoss Smart Light Switch package includes:

- Refoss Smart Switches (4 units)
- Wallplates (4 units)
- Wiring Nuts (16 units)
- Screws (8 units)
- Wire Label sheets (4 units)
- Installation Guide (this manual)

Figure 3: Refoss Smart Light Switch 4-Pack packaging and contents.

SETUP AND INSTALLATION

Safety First: Before beginning any electrical work, always turn off the power at the circuit breaker to avoid electrical shock.

1. **Verify Wiring:** Confirm that your existing switch box has a neutral wire. The Refoss Smart Light Switch requires a neutral

wire for operation.

2. **Disconnect Old Switch:** Carefully disconnect the wires from your old switch. Use the provided wire labels to mark each wire (Live, Load, Neutral, Ground) for easy identification.

3. **Connect New Switch:** Connect the wires from your wall to the corresponding wires on the Refoss Smart Light Switch using the included wiring nuts. The switch has pre-stripped wires for easy connection. Ensure all connections are secure.
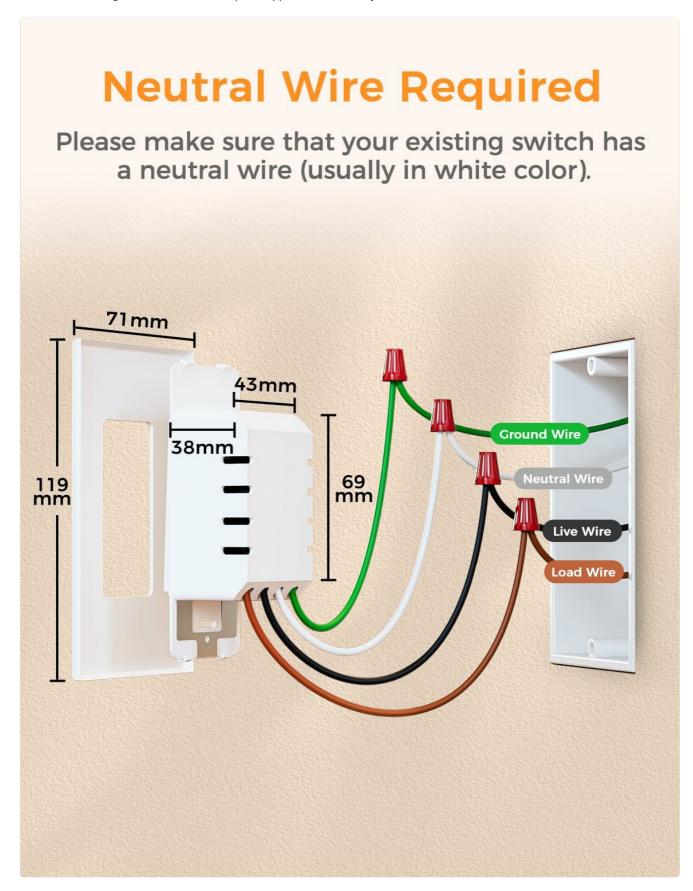

Figure 4: Wiring diagram for the Refoss Smart Light Switch.

4. **Mount Switch:** Secure the smart switch into the wall box using the provided screws.

5. **Attach Wallplate:** The Refoss Smart Light Switch comes with a screw-less wallplate that clips directly onto the switch for a clean finish.

6. **Restore Power:** Turn the power back on at the circuit breaker. The indicator light on the switch should begin to flash, indicating it's ready for pairing.

7. **App Installation:** Download the Refoss app or Apple Home app from your device's app store.

8. **Pairing:** Follow the in-app instructions to add your new smart switch. For Apple HomeKit, you may need to manually enter the 8-digit HomeKit setup code found on the switch body if the QR code scan fails.

9. **HomeKit Remote Control:** To enable remote control via HomeKit when away from home, you will need a HomePod, an Apple TV 4K, or an Apple TV HD set up as a home hub. A home hub is not required for remote control via the Refoss app. For more information on setting up a HomeKit hub, visit Apple Support.

Works with Apple Home

Set up your HomePod, HomePod mini, or Apple TV as a home hub so that you can control your Homekit accessories remotely via the Apple Home app. A home hub is NOT needed for the Refoss app to control devices remotely. Scan to read FAQ from Apple.

Figure 5: Setting up Apple HomeKit for remote access.

OPERATING INSTRUCTIONS

Manual Control

The smart switch can be operated manually by pressing the bottom part of the switch paddle. Press once to turn on, press again

to turn off. The switch will always return to its neutral position.

Voice Control

Once paired with your smart home assistant, you can control the light switch using voice commands:

- **Apple HomeKit (Siri):** "Hey Siri, turn on the living room light."
- **Amazon Alexa:** "Alexa, turn off the kitchen light."
- **Google Home:** "Hey Google, dim the bedroom light to 50%."
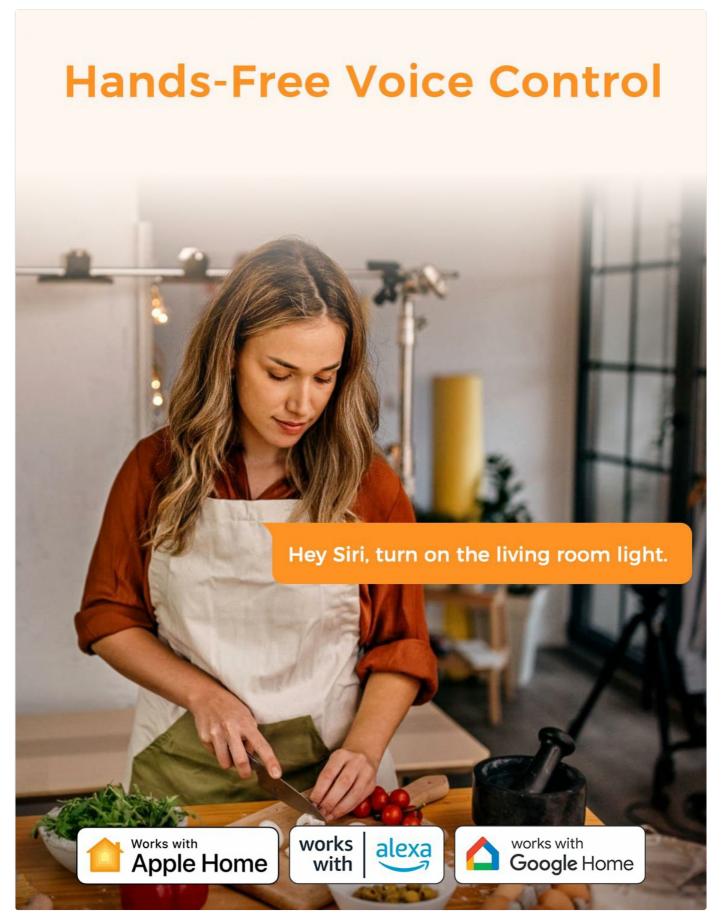
Figure 6: Hands-free voice control with smart assistants.

App Remote Control

Control your lights from anywhere using the Refoss app or Apple Home app on your smartphone or tablet. You can monitor the status of your lights and turn them on/off remotely, which is useful when you are away from home.
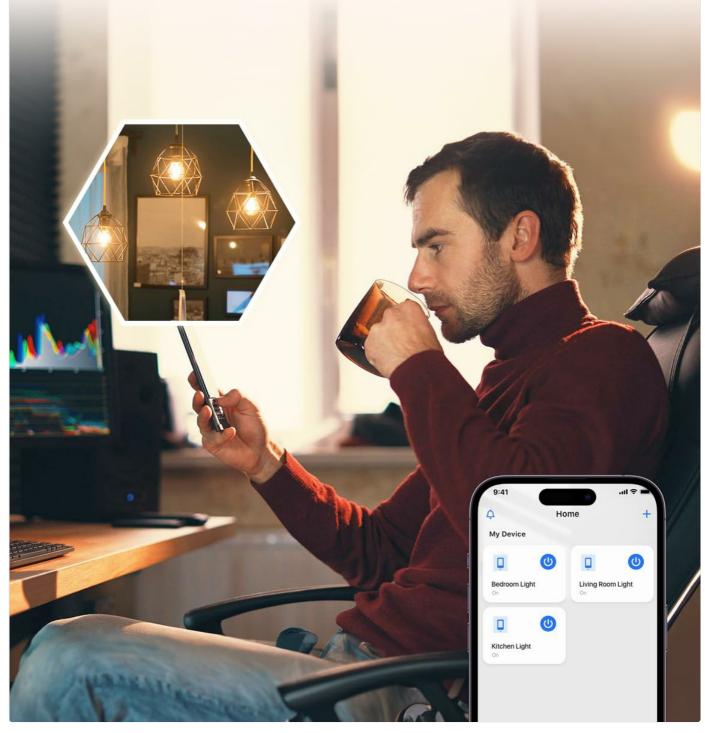
Figure 7: Remote control via the Refoss app.

Scheduling and Scenes

Utilize the Refoss or Home app to set schedules and create custom scenes:

- **Schedules:** Program your lights to turn on or off automatically at specific times, or based on sunrise/sunset. This can help optimize energy usage and create the illusion of occupancy when you're away.

- **Scenes:** Group multiple Refoss devices together and control them simultaneously with a single tap. Create scenes for different moods or activities, such as "Movie Time" or "Good Morning."
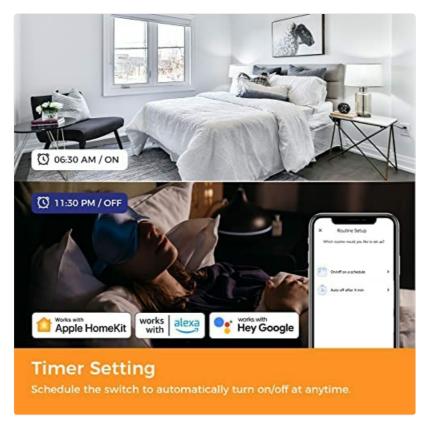

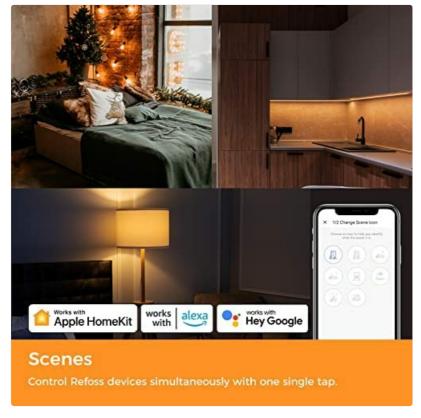Figure 8: Example of timer settings for automated lighting.

Figure 9: Customizing scenes for various occasions.

Indicator Light

The smart switch features an indicator light. Its behavior can be configured within the Refoss app, including turning it off if desired.

Maintenance

To maintain your Refoss Smart Light Switch:

- **Cleaning:** Wipe the surface with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Safety:** The switch housing is made of PC-ABS for heat resistance and impact resistance. The circuit design includes protection against electrical overload.

Secure design

Figure 10: Secure design features of the Refoss Smart Light Switch.

Troubleshooting

If you encounter issues with your Refoss Smart Light Switch, consider the following:

- **Connectivity Issues:** If the switch loses connection or is unresponsive, locate the small button at the bottom of the switch.

Pressing this button can perform a soft reset on the power, often resolving connectivity problems.

- **Wi-Fi Network:** Ensure your Wi-Fi network is 2.4GHz. The switch will not connect to 5GHz networks.
- **Neutral Wire:** Verify that the neutral wire is correctly connected. This is essential for the switch's operation.
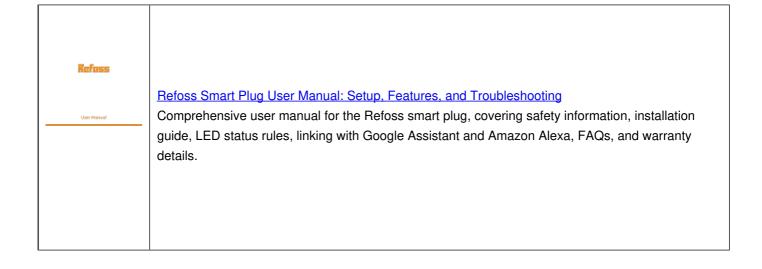- **App Pairing:** If initial pairing fails, try manually entering the HomeKit code instead of scanning the QR code.

SPECIFICATIONS

Feature	Detail
Model Number	MSS510-Refoss
Product Dimensions	2.8 x 1.5 x 4.7 inches
Weight	12.5 ounces
Operation Mode	ON-OFF
Current Rating	4 Amps
Operating Voltage	120 Volts (AC)
Contact Type	Normally Open
Connector Type	Clamp
Terminal	Spst
Circuit Type	1-way
Actuator Type	Hinge Lever

TECHNICAL SUPPORT

If you have any questions regarding the switch type, installation, connection, or any other aspect of your Refoss Smart Light Switch, please do not hesitate to contact Refoss technical support. We are committed to providing solutions until you are satisfied. For support, please refer to the contact information provided in your product packaging or visit the official Refoss website.

Related Documents - MSS510-Refoss

Refoss

User Manual

[Refoss Smart Plug User Manual: Setup, Features, and Troubleshooting](#)
Comprehensive user manual for the Refoss smart plug, covering safety information, installation guide, LED status rules, linking with Google Assistant and Amazon Alexa, FAQs, and warranty details.

[Refoss Smart Plug User Manual - Setup, Features, and Support](#)
Comprehensive user manual for the Refoss Smart Plug, detailing safety guidelines, package contents, LED status indicators, step-by-step installation, app setup, voice assistant integration with Alexa and Google Assistant, troubleshooting FAQ, warranty information, and disclaimers. Includes manufacturer details and support links.

[Refoss Smart Plug Troubleshooting Guide](#)
Troubleshoot common issues with Refoss smart plugs, including WiFi connection problems, HomeKit setup errors, Alexa integration, and general connectivity issues. Learn how to resolve setup code problems and ensure compatibility.

[7 Essential Tips for Using Apple HomeKit with Refoss Devices](#)
A comprehensive guide covering essential setup and usage tips for Apple HomeKit, including Wi-Fi requirements, iOS version compatibility, remote control setup via home hubs, device sharing, scene and automation creation, and the role of the eHomeLife app. Learn how to maximize your smart home experience with Refoss products and HomeKit.

[Refoss Smart Garage Door Opener User Manual](#)
Comprehensive user manual for the Refoss Smart Garage Door Opener, covering package contents, installation, usage, voice control, notifications, FAQ, and warranty information.

[Refoss Smart Plug Troubleshooting Guide: WiFi, HomeKit, and Alexa Connection Issues](#)
Resolve common connection problems with your Refoss smart plug. This guide provides troubleshooting steps for 2.4 GHz Wi-Fi, Apple HomeKit, and Amazon Alexa integration, plus general usage advice.