Refoss MSS510

Refoss Smart Light Switch (MSS510) Instruction Manual

Model: MSS510

Brand: Refoss

INTRODUCTION

This manual provides detailed instructions for the installation, setup, and operation of your Refoss Smart Light Switch (Model MSS510). This single-pole smart switch offers convenient control of your lighting through various methods, including smartphone apps, voice commands, and the physical button. It is compatible with leading smart home platforms such as Apple HomeKit, Amazon Alexa, and Hey Google, and operates on a 2.4GHz Wi-Fi connection. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

Figure 1: Refoss Smart Light Switch (MSS510) and its packaging.

IMPORTANT INFORMATION & REQUIREMENTS

- This switch is designed for **single pole installation only**. It is not compatible with 3-way or dimmer switch configurations.
- A **neutral wire is required** for the operation of this smart switch. Neutral wires are typically white. Ensure your electrical box has a neutral wire before installation.
- Requires a **2.4GHz Wi-Fi connection**. This device does not support 5GHz Wi-Fi networks.
- Fits standard 1/2/3/4 gang Decora/GFCI wallplates.
- Do not use this smart switch with smart bulbs.

Figure 2: Key compatibility and usage requirements for the smart switch.

Figure 3: Information on supported switch types and bulb compatibility.

What's in the Box

Your Refoss Smart Light Switch package includes the following items:

- Smart Switch (MSS510)
- Wallplate
- Wiring Nuts
- Screws
- Wire Label sheet
- User Guide

INSTALLATION

Before beginning installation, ensure you have basic electrical knowledge and are comfortable working with household wiring. If you are unsure, please consult a qualified electrician.

1. Safety First: Turn Off Power

Locate your circuit breaker panel and turn off the power to the light switch you intend to replace. Verify the power is off by attempting to turn the light on from the switch.

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Video 1: This video demonstrates the process of turning off power at the circuit breaker and removing the existing switch. (Relevant segment: 0:16 - 0:30)

2. Remove Existing Switch

Carefully remove the faceplate of your existing switch. Unscrew the mounting screws and gently pull the switch out from the electrical box. Do not disconnect any wires yet.

3. Identify Wires

Identify the following wires in your electrical box. Use the provided wire labels to mark them for easy identification:

- **Line Wire (Lin):** This is the hot wire bringing power from the circuit breaker. Use a voltage detector to confirm.
- **Load Wire (Lout):** This wire connects to your light fixture.
- **Neutral Wire (Neutral):** This is typically a white wire. It is essential for the smart switch.
- **Ground Wire (Ground):** This is usually a bare copper or green insulated wire.
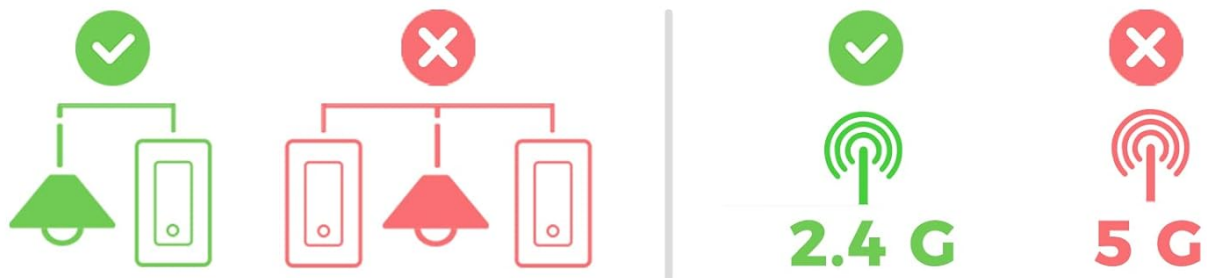
If your house was built or remodeled **before mid-80's**, probably No Neutral Wire (But Neutral Wire is Required).

Can **NOT** used as a **3-way** or **dimmer** switch

Does **NOT** support **5GHz Wi-Fi.**

2.4 G   5 G

Things to Know Before Purchase

Figure 4: Visual guide for identifying the neutral wire and other connections.

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Video 2: This video demonstrates how to identify the Line (Lin) wire using a voltage detector. (Relevant segment: 0:34 - 0:44)

4. Connect the Smart Switch

Disconnect the wires from your old switch. Connect the wires from the Refoss Smart Light Switch to the corresponding wires in your electrical box using the provided wire nuts. Ensure all connections are secure.

- Connect the **Line (Lin)** wire from the switch to the identified Line wire in the box.
- Connect the **Load (Lout)** wire from the switch to the identified Load wire in the box.
- Connect the **Neutral (N)** wire from the switch to the identified Neutral wire in the box.
- Connect the **Ground (G)** wire from the switch to the identified Ground wire in the box.

Remote Control

Control the switch from anywhere anytime(network accessed).
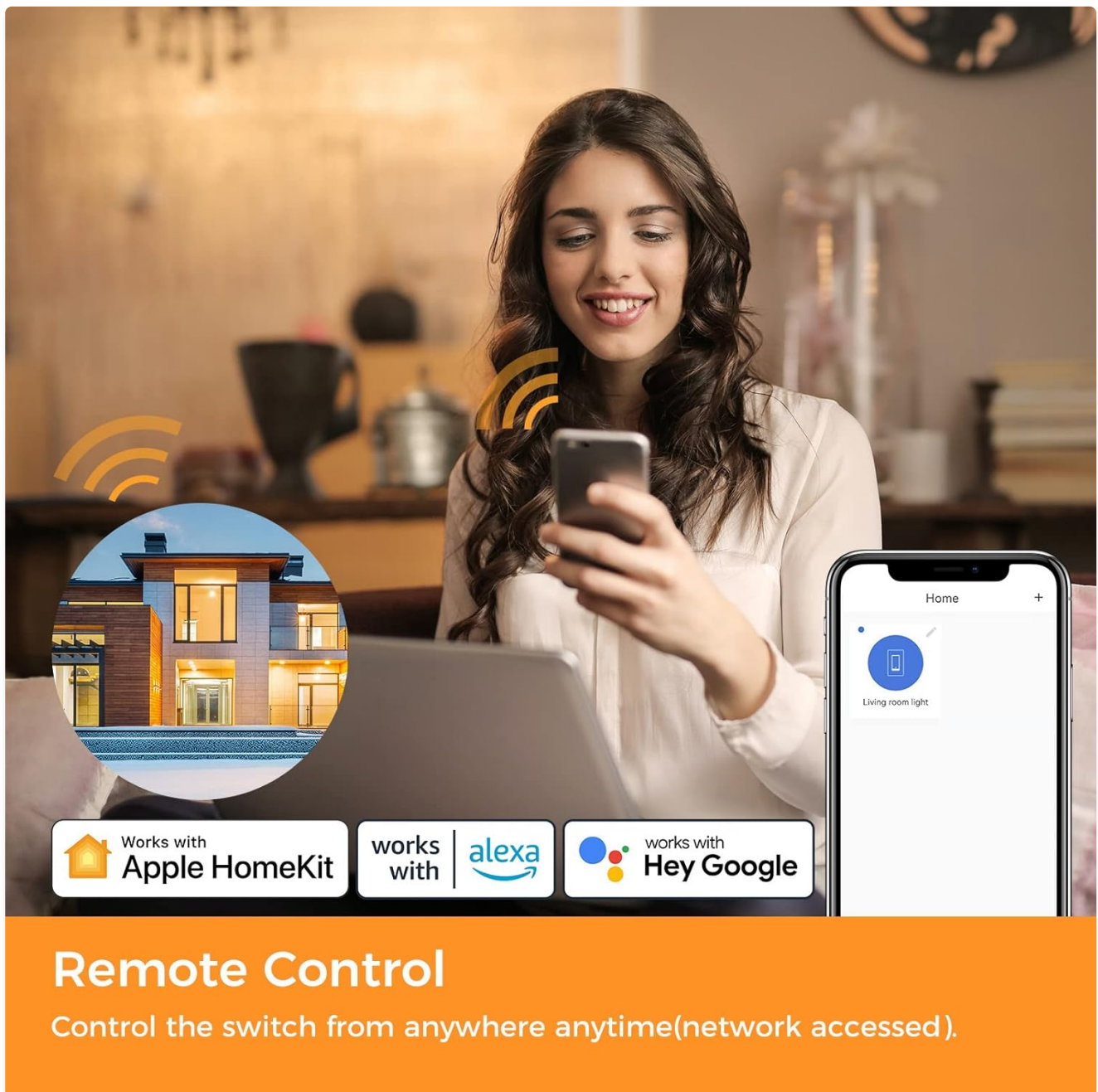
Figure 5: Detailed wiring connections for the smart switch.

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Video 3: This video illustrates the process of connecting the wires and securing the smart switch into the electrical box. (Relevant segment: 0:51 - 1:10)

5. Secure and Restore Power

Gently push the connected wires back into the electrical box. Secure the smart switch with the mounting screws and attach the new wallplate. Once secured, return to your circuit breaker panel and turn the power back on.

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Video 4: This video shows how to restore power at the circuit breaker after installation. (Relevant segment: 1:11 - 1:14)

SETUP & APP INTEGRATION

The Refoss Smart Light Switch can be controlled via the Apple Home app, Amazon Alexa, or Hey Google. For initial setup

and advanced features, the eHomeLife app is recommended.

1. Apple HomeKit Setup

Ensure your smartphone is running iOS 13.0 or higher. Connect your smartphone to the same 2.4GHz Wi-Fi network as your smart switch.

1. Open the Apple Home app on your iPhone or iPad.
2. Tap the "+" icon to add an accessory.
3. Select "Add or Scan Accessory".
4. When prompted for the HomeKit setup code, tap "I Don't Have a Code or Cannot Scan" and manually enter the 8-digit code found on the switch or its packaging.
5. Follow the on-screen prompts to complete the setup, including assigning the switch to a room and giving it a name.

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Video 5: This video demonstrates the Apple HomeKit setup process for the smart switch. (Relevant segment: 1:15 - 2:08)

To enable HomeKit remote control (controlling your device when away from home), you need a HomePod, an Apple TV 4K or Apple TV HD, or an iPad connected to your home Wi-Fi and configured as a home hub. For more details, please check the Apple HomeKit official website.

2. eHomeLife App Setup & Remote Control

The eHomeLife app provides additional features and is necessary for firmware updates and linking with Amazon Alexa or Google Assistant.

1. Download the eHomeLife app from the App Store or Google Play.
2. Register or log in to your eHomeLife account.
3. Ensure your smartphone is connected to the same 2.4GHz Wi-Fi network as your smart switch.
4. In the eHomeLife app, select "Add Device" and choose "Smart Wall Switch".
5. Follow the in-app instructions to add your device.

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Video 6: This video demonstrates adding the device within the eHomeLife app. (Relevant segment: 2:28 - 2:46)

3. Amazon Alexa & Hey Google Integration

After setting up your device in the eHomeLife app, you can link your Refoss account to Amazon Alexa or Hey Google to enable voice control.

1. Open the Amazon Alexa app or Google Home app.
2. Navigate to the "Skills & Games" section (Alexa) or "Works with Google" section (Google Home).
3. Search for "eHomeLife" and enable the skill/service.
4. Link your eHomeLife account when prompted.
5. Discover devices to add your smart switch.

Figure 6: Refoss Smart Home ecosystem with voice control compatibility.

OPERATING YOUR SMART SWITCH

1. Manual Control

You can always control the light by pressing the physical button on the smart switch. Press the bottom of the paddle to toggle the light on or off.

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Video 7: This short preview video demonstrates the physical operation of the smart switch. (Relevant segment: 0:00 - 0:09)

2. Voice Control

After integrating with Amazon Alexa or Hey Google, you can use voice commands to control your light switch. For example: "Hey Google, turn on the living room light" or "Alexa, turn off the kitchen light."

Scenes

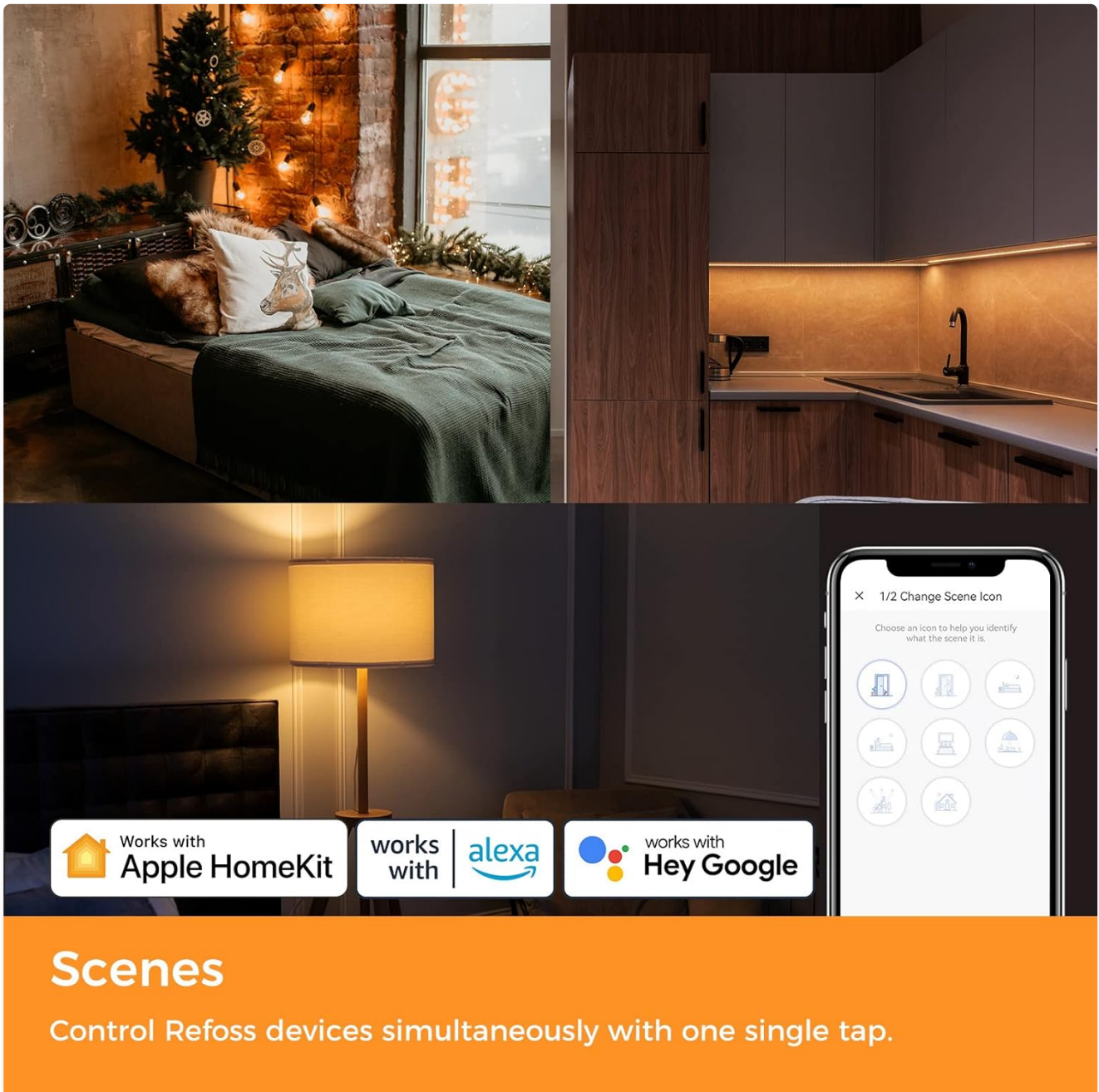Control Refoss devices simultaneously with one single tap.

Figure 7: Voice control functionality with Apple HomeKit, Alexa, and Hey Google.

3. Remote Control via Smartphone App

Control your light switch from anywhere using the eHomeLife app or Apple Home app (with a home hub for remote access). Simply open the app and tap the switch icon to toggle the light.
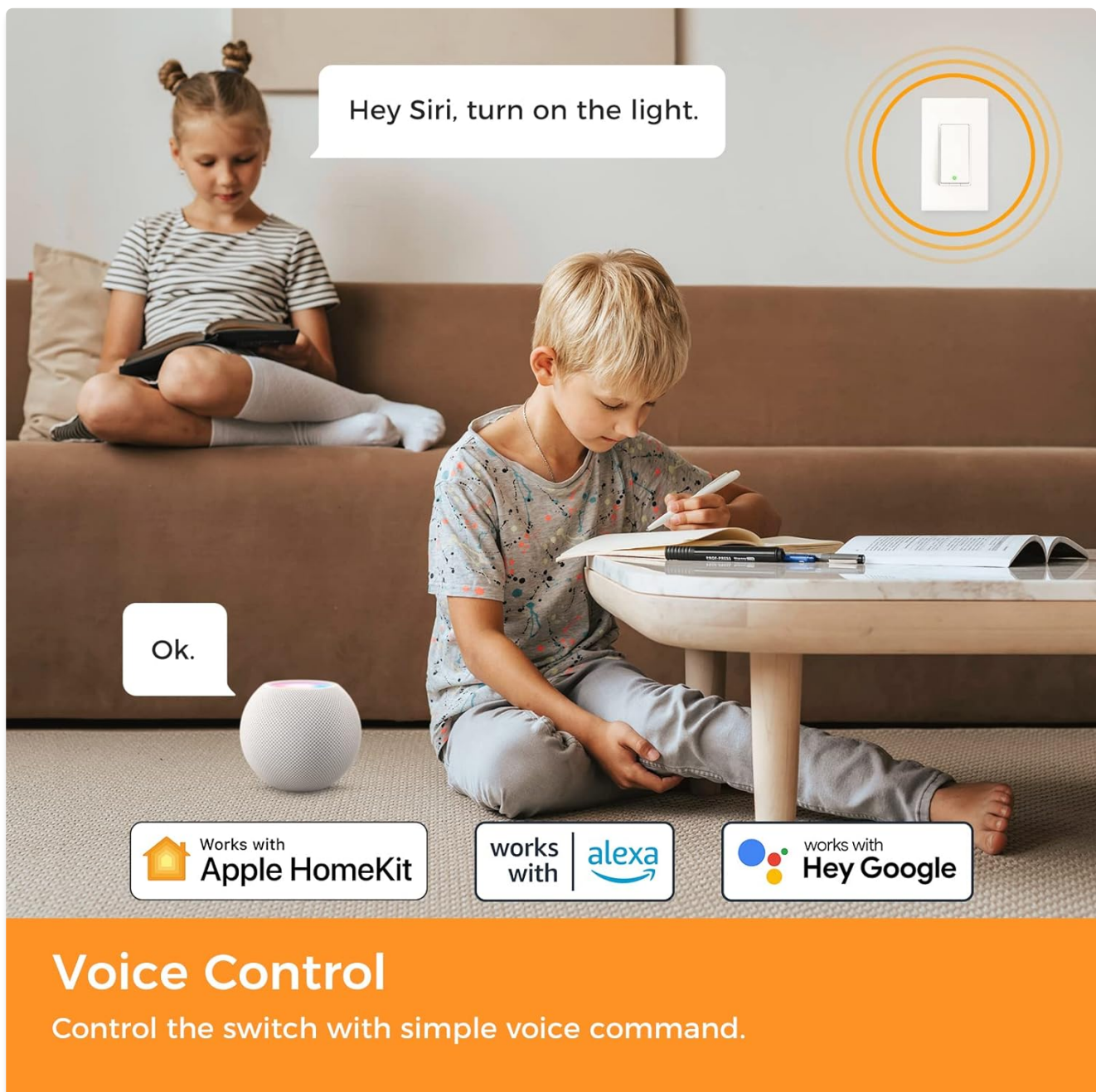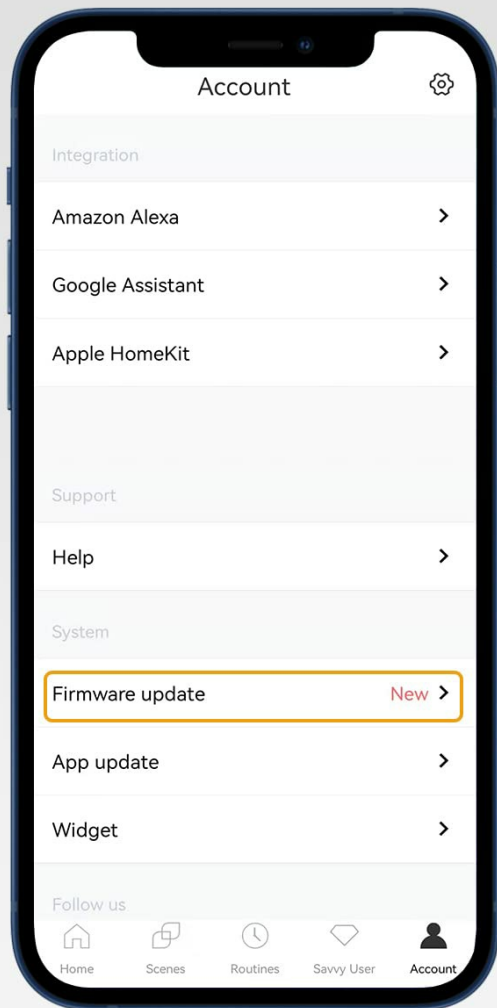
Figure 8: Remote control of the smart switch via smartphone app.

4. Scenes and Routines

Create custom scenes and routines within the eHomeLife app to automate your lighting. Group multiple Refoss devices to activate with a single tap or voice command. Set schedules for automatic on/off times, countdowns, or integrate with sunrise/sunset settings for energy saving.

❙ Update to the Latest Firmware

Account ⚙

Integration

Amazon Alexa ›

Google Assistant ›

Apple HomeKit ›

Support

Help ›

System

Firmware update New ›

App update ›

Widget ›

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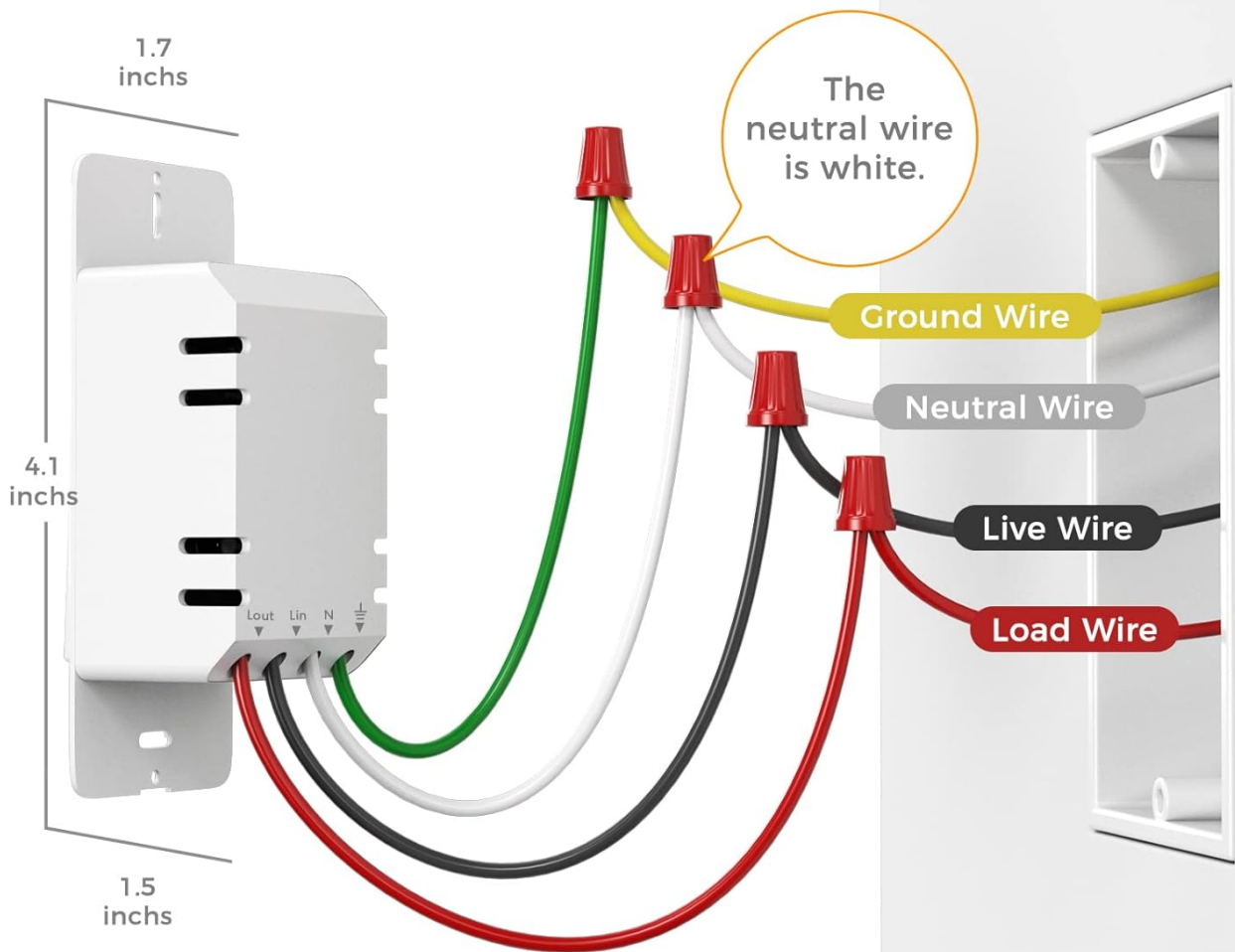
🏠 Home ⬚ Scenes 🕐 Routines ◇ Savvy User 👤 Account

Update your HomeKit accessory to the latest firmware so that you will NOT suffer from disconnections and enjoy stable and smooth device performance.

▼

After you set up the accessory

1. Connect your phone to the Wi-Fi your HomeKit accessory is connecting to.
2. Download eHomeLife App and go to Account > Firmware update.
3. Tap Update and wait for the accessory to finish the process.

Figure 9: Example of timer setting for automated lighting.

Figure 10: Customize scenes to match different occasions and preferences.

5. Local and Offline Control

When your smart device and phone are connected to the same Wi-Fi network, local control is activated, providing millisecond-level response times. Even if your router loses internet connection, you can still control the smart device through the eHomeLife app, and saved routines will continue to run.
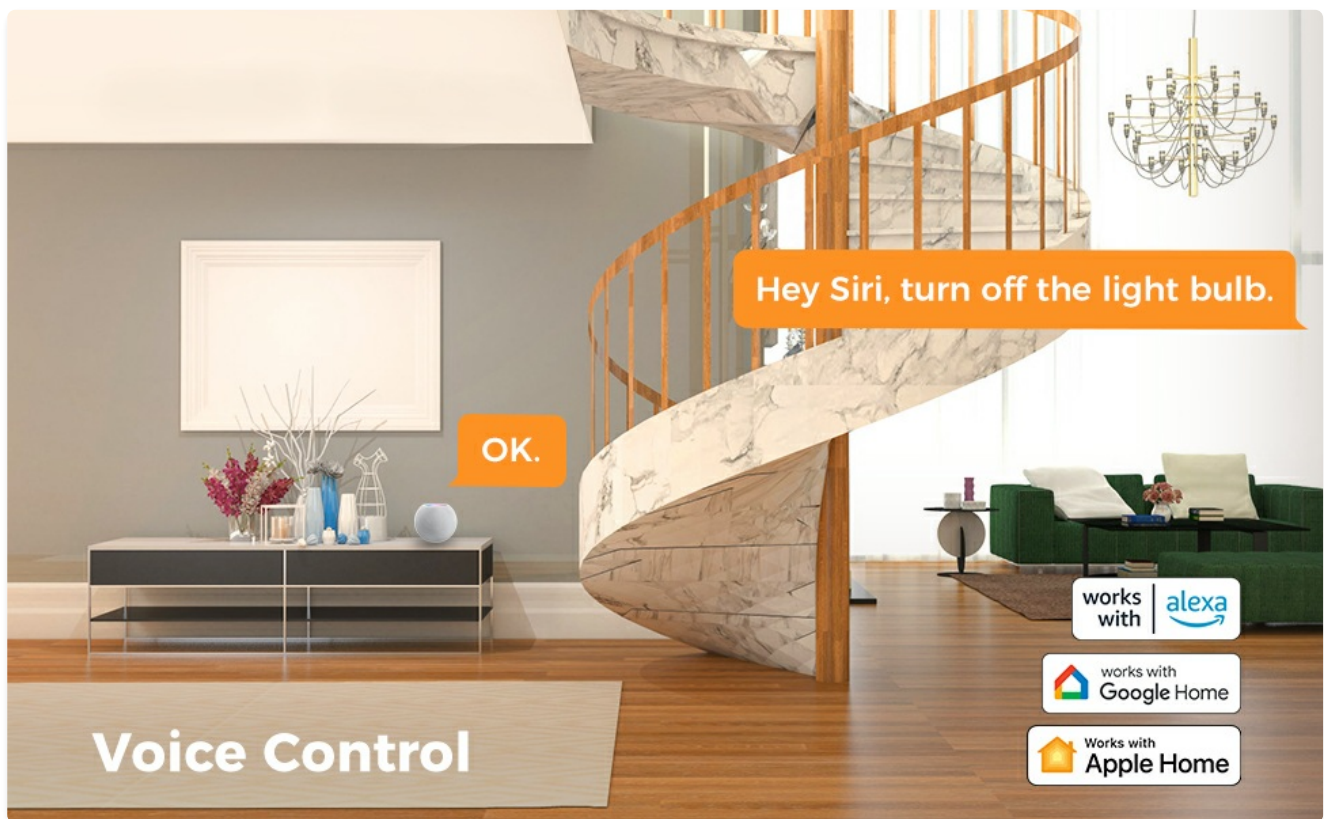
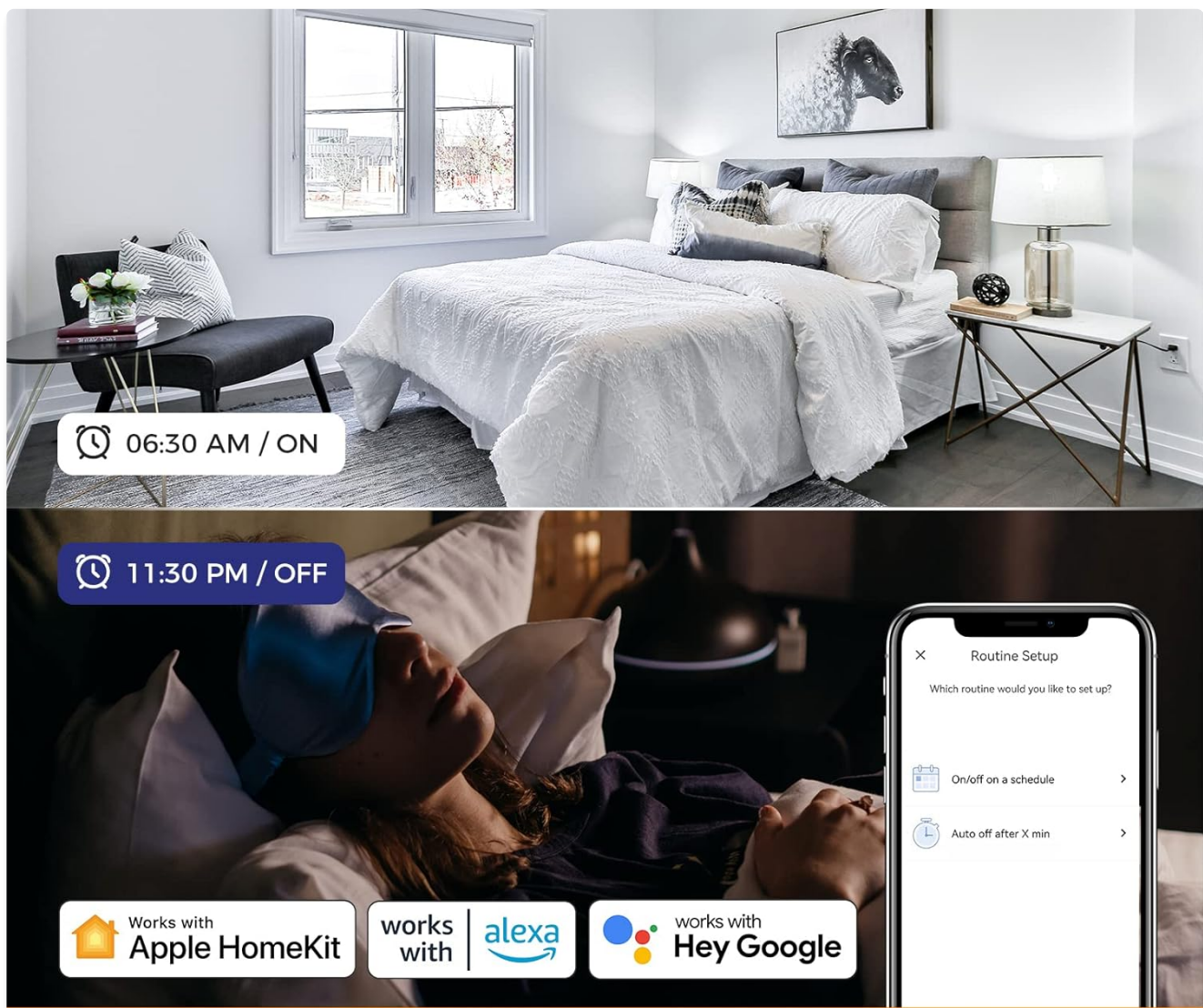Figure 11: Faster response speed and offline control capabilities.

Maintenance

Firmware Updates

To ensure optimal performance and stability, it is recommended to keep your smart switch's firmware updated. Firmware updates can be performed through the eHomeLife app.

1. Connect your phone to the same Wi-Fi network your HomeKit accessory is connected to.

2. Open the eHomeLife app and navigate to "Account" > "Firmware update".

3. Tap "Update" and follow the on-screen instructions to complete the process.

Figure 12: Updating firmware through the eHomeLife app.

Cleaning

Wipe the switch and wallplate with a soft, dry cloth. Do not use abrasive cleaners or solvents.

TROUBLESHOOTING

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

- **Switch not responding:**

  - Ensure power is on at the circuit breaker.
  - Verify the switch is properly wired, especially the neutral wire connection.
  - Check your Wi-Fi connection. The switch requires a stable 2.4GHz network.
  - Restart your Wi-Fi router.

- **Cannot connect to Wi-Fi:**

  - Confirm your Wi-Fi network is 2.4GHz. 5GHz networks are not supported.
  - Ensure the switch is within range of your Wi-Fi router.
  - Temporarily disable 5GHz on your router during setup if you have a dual-band router.
  - Reset the smart switch (refer to the eHomeLife app or manufacturer's guide for reset instructions).

- **Voice control not working:**

  - Ensure your Refoss account is correctly linked in the Amazon Alexa or Google Home app.
  - Verify the device name in the app matches the name you are using in voice commands.
  - Check the internet connection of your smart speaker/device.

For further assistance, please refer to the support section.

SPECIFICATIONS

Feature	Detail
Product Dimensions	4.7 x 2.8 x 1.5 inches; 5.29 ounces
Item Model Number	MSS510
Manufacturer	Refoss
Operation Mode	ON-OFF-ON
Current Rating	4 Amps
Operating Voltage	110 Volts
Contact Type	Normally Open
Connector Type	Clamp
Terminal	Spst
Circuit Type	1-way
Actuator Type	Hinge Lever

WARRANTY & SUPPORT

Warranty Information

The Refoss Smart Light Switch (MSS510) comes with a **1-year manufacturer's warranty** from the date of purchase.

Customer 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 our customer support. We are committed to providing solutions until you are satisfied.

For support, please visit the official Refoss website or contact their customer service channels as provided on the product packaging or purchase platform.

Related Documents - MSS510

Refoss User Manual	**Refoss MSS620 Smart Outdoor Plug User Manual and Installation Guide** Comprehensive user manual and installation guide for the Refoss MSS620 Smart Outdoor Plug, covering setup, operation, features, troubleshooting, warranty, and compliance information.
Refoss User Manual	**Refoss Smart Plug User Manual and Installation Guide** Comprehensive user manual and installation guide for the Refoss Smart Plug (MSS210), covering setup with eHomeLife app, Apple HomeKit, Amazon Alexa, and Google Assistant, along with LED rules, troubleshooting, and warranty information.
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 User Manual	**Refoss MSS110 Smart Plug User Manual and Installation Guide** Comprehensive user manual and installation guide for the Refoss MSS110 Smart Plug, covering setup, usage, troubleshooting, safety, and compliance information. Learn how to connect to Wi-Fi, use voice assistants like Alexa and Google Assistant, and integrate with Apple HomeKit.
Refoss User Manual	**Refoss Smart Bulb User Manual and Installation Guide** Comprehensive user manual for Refoss smart bulbs, covering safety information, quick installation, setup for Android and iOS (including HomeKit), voice control with Alexa and Google Assistant, LED rules, FAQs, warranty, and FCC/Canadian compliance.

Refoss

User Manual