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Milfra KS-602H

Milfra Smart Light Switch User Manual

Model: KS-602H
Brand: Milfra

Introduction

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Milfra Smart Light Switch. This device allows for convenient control of your lighting through voice commands, remote access via a mobile application, and scheduled automation. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

Safety Information

WARNING: Risk of Electric Shock. Improper installation can be dangerous or illegal. Always consult a qualified electrician if you are unsure about any part of the installation process.

- Always turn off power at the circuit breaker before installing or servicing the switch.
- This device requires Neutral, Live, and Load wires for operation. Do not attempt installation without a neutral wire.
- This switch is designed for single-pole setups only. It is not compatible with 3-way switch configurations.
- Ensure all wire connections are secure and properly insulated.
- Operate within specified voltage and current ratings (AC 100-250V, 60Hz, 15A Max).
- Flammability rating: UL94-V0.

Package Contents

Verify that all components are present in your package:

- Milfra Smart Light Switch (Quantity as per pack)
- User Manual (this document)
- Mounting Screws
- Wire Nuts (if included)

Image: Milfra Smart Light Switch 4-Pack

Product Features

- **Voice Control:** Compatible with Amazon Alexa and Google Assistant for hands-free operation.
- **Remote Control:** Control your lights from anywhere using the Smart Life mobile application.
- **Timer and Countdown:** Schedule lights to turn on/off automatically at set times.
- **Device Sharing:** Share control of the smart switch with family members.
- **Easy Installation:** Designed for straightforward installation in single-pole setups (neutral wire required).
- **Wi-Fi Connectivity:** Supports 2.4 GHz wireless networks (802.11 b/g/n).

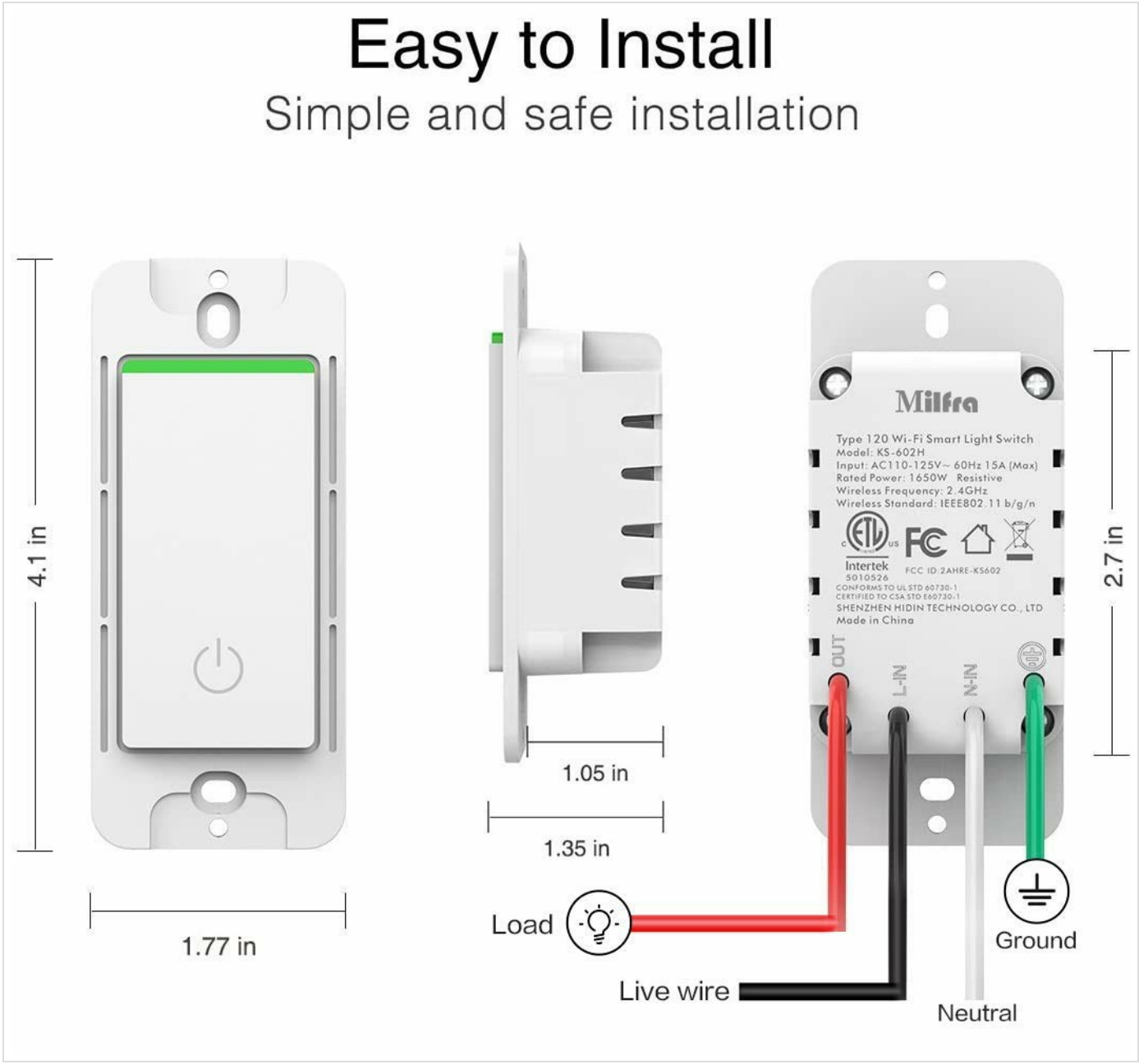

Image: Smart Light Switch Features Overview

Installation Guide

Before beginning installation, ensure you have read the Safety Information section. If you are uncomfortable with electrical wiring, please consult a qualified electrician.

1. **Turn Off Power:** Locate your circuit breaker panel and turn off the power to the light switch you are replacing. Verify the power is off using a voltage tester.
2. **Remove Old Switch:** Carefully remove the existing wall plate and unscrew the old switch from the wall box. Disconnect the wires, noting which wire is connected to which terminal (Live, Load, Neutral, Ground).
3. **Identify Wires:**
    - **Live Wire (Line):** Typically black, brings power from the circuit breaker.
    - **Load Wire:** Typically black or red, connects to the light fixture.
    - **Neutral Wire:** Typically white, required for smart switch operation.
    - **Ground Wire:** Typically green or bare copper.
4. **Connect New Switch:** Connect the wires from your wall box to the corresponding wires on the Milfra Smart Light

Switch using wire nuts.

- Connect the Live wire to the "L-IN" terminal.
- Connect the Load wire to the "OUT" terminal.
- Connect the Neutral wire to the "N-IN" terminal.
- Connect the Ground wire to the "Ground" terminal.

5. **Mount Switch:** Gently push the connected wires back into the wall box. Secure the Milfra Smart Light Switch into the wall box with the provided screws. Attach the new wall plate.
6. **Restore Power:** Turn the power back on at the circuit breaker. The LED indicator on the switch should illuminate.

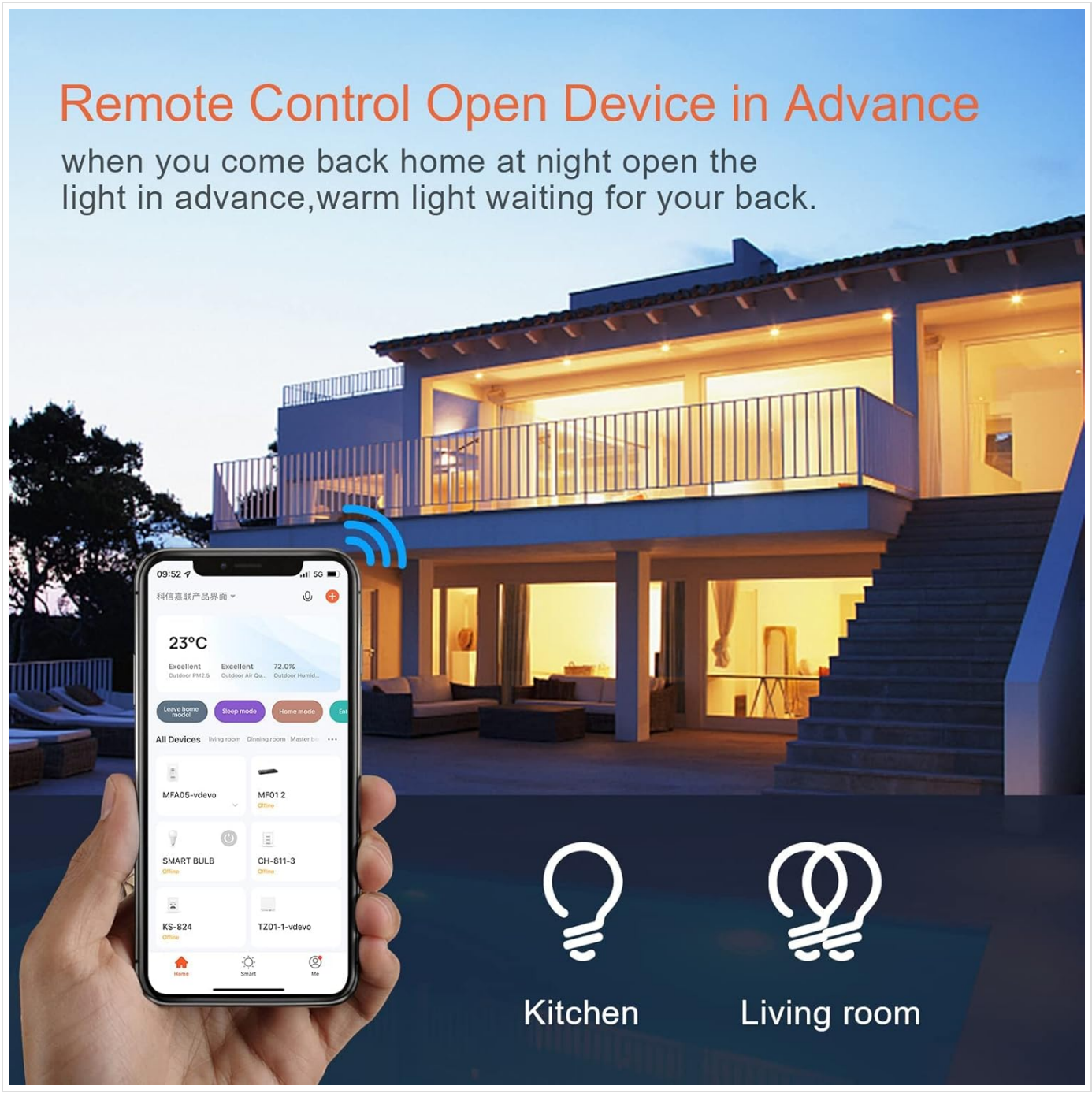

Image: Easy Installation and Wiring Diagram

For a detailed installation guide, you may refer to the official Installation Manual (PDF) availablehere.

Operating Instructions

1. App Setup (Smart Life App)

Download the "Smart Life" app from your mobile device's app store (iOS or Android). Register an account or log in. Follow the in-app instructions to add your Milfra Smart Light Switch. Ensure your phone is connected to a 2.4 GHz Wi-Fi network during the pairing process.

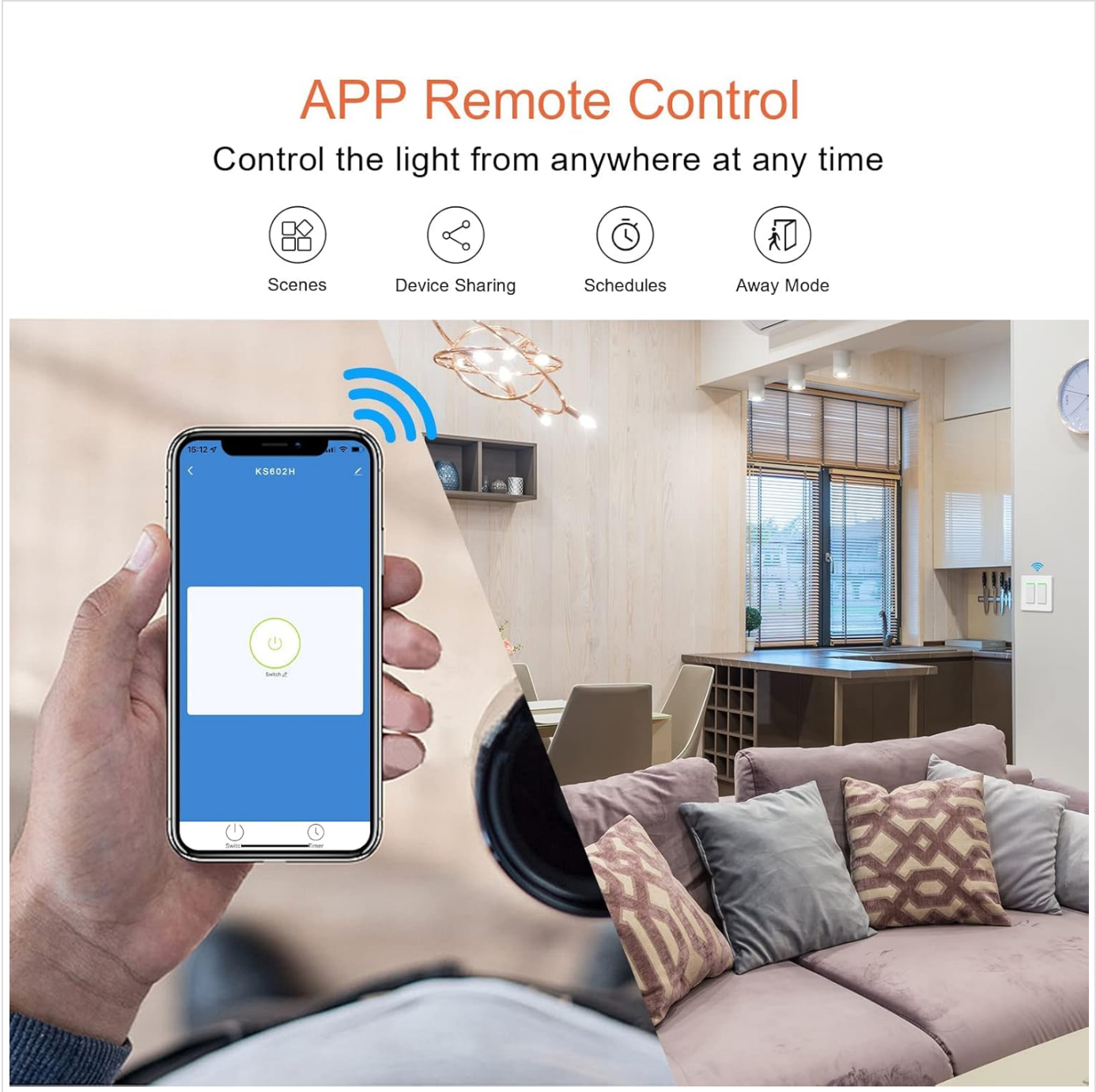

Image: APP Remote Control Interface

2. Voice Control

Once connected to the Smart Life app, you can link your Milfra Smart Light Switch to Amazon Alexa or Google Assistant. Follow the instructions within the Smart Life app or your Alexa/Google Home app to enable the skill/service and discover devices.

Example Voice Commands:

- "Alexa, turn on [Light Name]"
- "Hey Google, turn off [Light Name]"
- "Alexa, set [Light Name] to 50%" (if dimming is supported by your light fixture)

Image: Voice Control with Alexa and Google Assistant

3. Remote Control

With the Smart Life app, you can control your lights from anywhere with an internet connection. This includes turning lights on/off, setting schedules, and activating "Away Mode" to simulate occupancy.

Image: Remote Control for Home Lighting

4. Timer and Countdown Functions

Utilize the Smart Life app to set up schedules for your lights. This feature allows you to automate daily routines, ensuring lights are on when you need them and off when you don't. Countdown timers can also be set for specific durations.

Image: Multifunction Overview

Maintenance

The Milfra Smart Light Switch requires minimal maintenance. To ensure optimal performance and longevity:

- Keep the switch and surrounding area clean and free of dust. Use a soft, dry cloth for cleaning.
- Avoid using harsh chemicals or abrasive cleaners, as these can damage the finish or internal components.
- Ensure the switch is not exposed to excessive moisture or extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
Switch does not power on.	No power at the switch; incorrect wiring; neutral wire missing.	Check circuit breaker. Verify wiring connections (Live, Load, Neutral, Ground) are correct and secure. Ensure a neutral wire is present.

Problem	Possible Cause	Solution
Cannot connect to Wi-Fi.	Incorrect Wi-Fi band (not 2.4 GHz); weak Wi-Fi signal; incorrect password; router issues.	Ensure your router is broadcasting a 2.4 GHz network. If you have a combined 2.4/5 GHz network, try separating them or temporarily disabling 5 GHz during setup. Move closer to the router. Double-check Wi-Fi password. Restart your router.
Voice control not working.	Not linked to Alexa/Google Assistant; device name mismatch; internet connectivity issues.	Ensure the Smart Life skill/service is enabled in your Alexa/Google Home app. Verify the device name in the app matches your voice command. Check your internet connection.
Remote control not working.	No internet connection on phone or switch; app issues.	Check your phone's internet connection. Verify the smart switch is connected to Wi-Fi (LED indicator). Restart the Smart Life app.

Specifications

Attribute	Detail
Model Number	KS-602H
Operating Voltage	AC 100-250V, 60Hz
Max Current	15A
Wireless Type	Wi-Fi 2.4 GHz (802.11 b/g/n)
Operation Mode	Off, Smart Switch
Circuit Type	1-way (Single-Pole)
Mounting Type	Wall Mount
Contact Material	Brass, Copper, or Stainless Steel
Flammability Rating	UL94-V0
Dimensions	Approx. 4.1 x 1.77 x 1.05 inches (L x W x D)

Warranty and Support

Milfra is committed to customer satisfaction. For any questions, technical support, or warranty inquiries regarding your Milfra Smart Light Switch, please contact Milfra customer service through the retailer where the product was purchased or visit the official Milfra website for support contact information.
Please retain your proof of purchase for warranty purposes.

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Milfra Smart Switch Installation Guide

Any further query, please feel free to contact us via email:
support-us@milfra.com

How to install a smart switch?
1. Video link: https://youtu.be/V9pZacl9kKA

2. Video QR code:

3.installation steps:

Notice:
1.Smart switch only supports 2.4GHz WiFi network.
2.Make sure you home is equipped with neutral wire.
3.Prepare an electric test pencil and a screwdriver.
4.Download and register the smart life APP in advance.
5.One smart switch only can control one light (Not 3way).

Step 1: Distinguish the types of wires
Turn on the main power supply, first use the test pen to find the live wire, the live wire is charged, and the most intense sound of the test pen is the live wire.
Tips
The neutral wire and load wire are not live.
Generally, the neutral wire is white, the ground wire is green or bare copper wire, and the others are load wires.

Step 2: Wiring
Turn on the main power supply,connect the wire on the back of the switch to the same kind of wire in the cassette box.
Tips
Confirm whether the wires are tightly tied.

[pdf] User Manual Installation Guide Guide

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Milfra Smart Switch Installation Guide Any further query, please feel free to contact us via email: support-us milfra.com How to install a smart switch 1. Video link: https://youtu.be/V9pZacl9kKA 2. Video QR code: 3.installation steps Notice: 1.Smart switch only supports 2.4GHz WiFi network. 2.Make...

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