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> GHome Smart Dimmer Switch SW2-1 User Manual

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Model: SW2-1 | Brand: GHome Smart

1. PRODUCT OVERVIEW

The GHome Smart Dimmer Switch SW2-1 is a single-pole, 2.4GHz Wi-Fi enabled light switch designed for convenient control of your lighting. It offers 1% to 100% dimming capabilities and can be controlled via a touch interface, a dedicated mobile application, or voice commands through compatible smart home assistants like Amazon Alexa and Google Home. This switch requires a neutral wire for installation and operates on a 120V~ 60Hz electrical system.

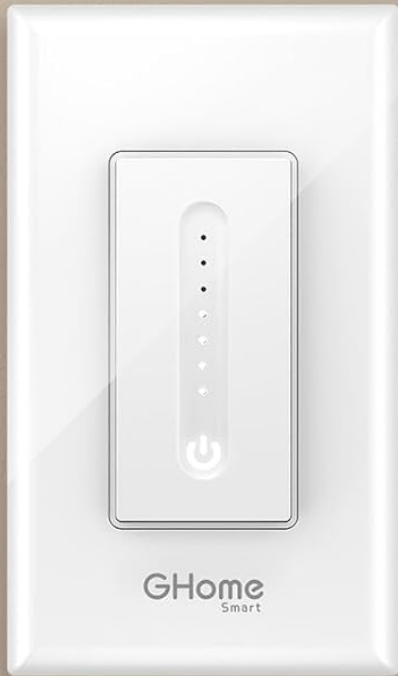


Image 1.1: GHome Smart Dimmer Switch SW2-1, showing the device and its packaging, highlighting features like voice control, app control, timer, and group control.

Key Features:

- **1% - 100% Dimming Control:** Adjust brightness via touch interface or app.
- **2.4GHz Wi-Fi Connectivity:** Connects directly to your home Wi-Fi network without a separate hub.
- **Voice Control:** Compatible with Amazon Alexa and Google Home for hands-free operation.
- **Remote & Group Control:** Manage lights from anywhere using the mobile app and control multiple switches simultaneously.
- **Schedule and Timer:** Create automated lighting schedules, including sunrise/sunset routines.
- **Neutral Wire Required:** Essential for proper installation.

Multifunctions



Stepless Dimming



Automation Scenarios



Voice Control



Remote Control



Timing Countdown



Group Control



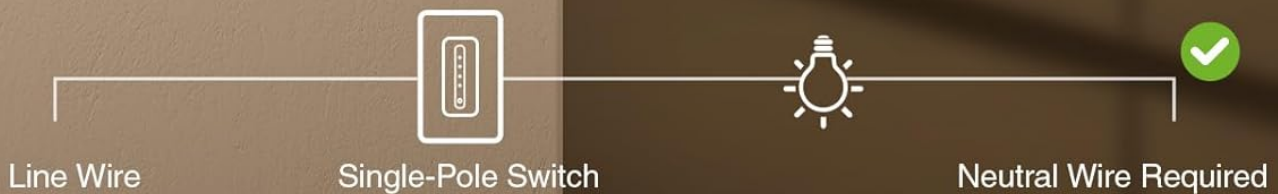
Dimmer Switch



Single Pole



3-Way Switch



Line Wire

Single-Pole Switch

Neutral Wire Required

Image 1.2: Overview of the GHome Smart Dimmer Switch's multifunctions, including stepless dimming, automation scenarios, voice control, remote control, timing countdown, and group control.

2. SAFETY INFORMATION

Before beginning installation, please read and understand all safety instructions. Improper installation can result in electric shock, fire, or property damage. If you are unsure about any part of the installation process, consult a qualified electrician.

- **WARNING:** Risk of Electric Shock. Disconnect power at the circuit breaker before installation.

- Ensure the electrical box is clean and free of debris.
- This device is for indoor use only.
- Do not exceed the maximum load ratings: 150W LED, 150W CFL, 450W INC.
- Not compatible with smart bulbs.

3. INSTALLATION GUIDE

3.1 Pre-installation Checklist

- **Neutral Wire:** Required for operation. Most homes built since 1978 have a neutral wire.
- **2.4GHz Wi-Fi Network:** Ensure your Wi-Fi network is 2.4GHz. 5GHz networks are not supported.
- **Tools:** Screwdriver, voltage tester, wire strippers (if needed).

3.2 Wiring Instructions

1. **Shut off Power:** Locate your circuit breaker and turn off the power to the switch you are replacing. Verify power is off using a voltage tester.
2. **Remove Old Switch:** Carefully remove the existing wall plate and switch. Disconnect the wires.
3. **Identify Wires:**
 - **Line Wire (Live):** Typically black, carries power from the circuit breaker. Use a voltage detector to confirm.
 - **Load Wire:** Connects to the light fixture.
 - **Neutral Wire:** Typically white. Essential for the smart switch.
 - **Ground Wire:** Typically green or bare copper.
4. **Connect GHome Smart Dimmer Switch:** Connect the wires from your wall to the corresponding wires on the GHome Smart Dimmer Switch SW2-1.
 - Connect the **Line** wire to the switch's Line terminal.
 - Connect the **Load** wire to the switch's Load terminal.
 - Connect the **Neutral** wire to the switch's Neutral terminal.
 - Connect the **Ground** wire to the switch's Ground terminal.

Note: Use copper wire only. If you are unsure about wire identification, consult a qualified electrician.
5. **Mount Switch:** Carefully push the wired switch into the wall box and secure it with screws. Attach the new wall plate.
6. **Restore Power:** Turn the power back on at the circuit breaker.



Image 3.1: Step-by-step wiring diagram for the GHome Smart Dimmer Switch SW2-1, illustrating connections for Line, Load, Neutral, and Ground wires.

Neutral wire required

Most homes built since 1978 have a neutral wire

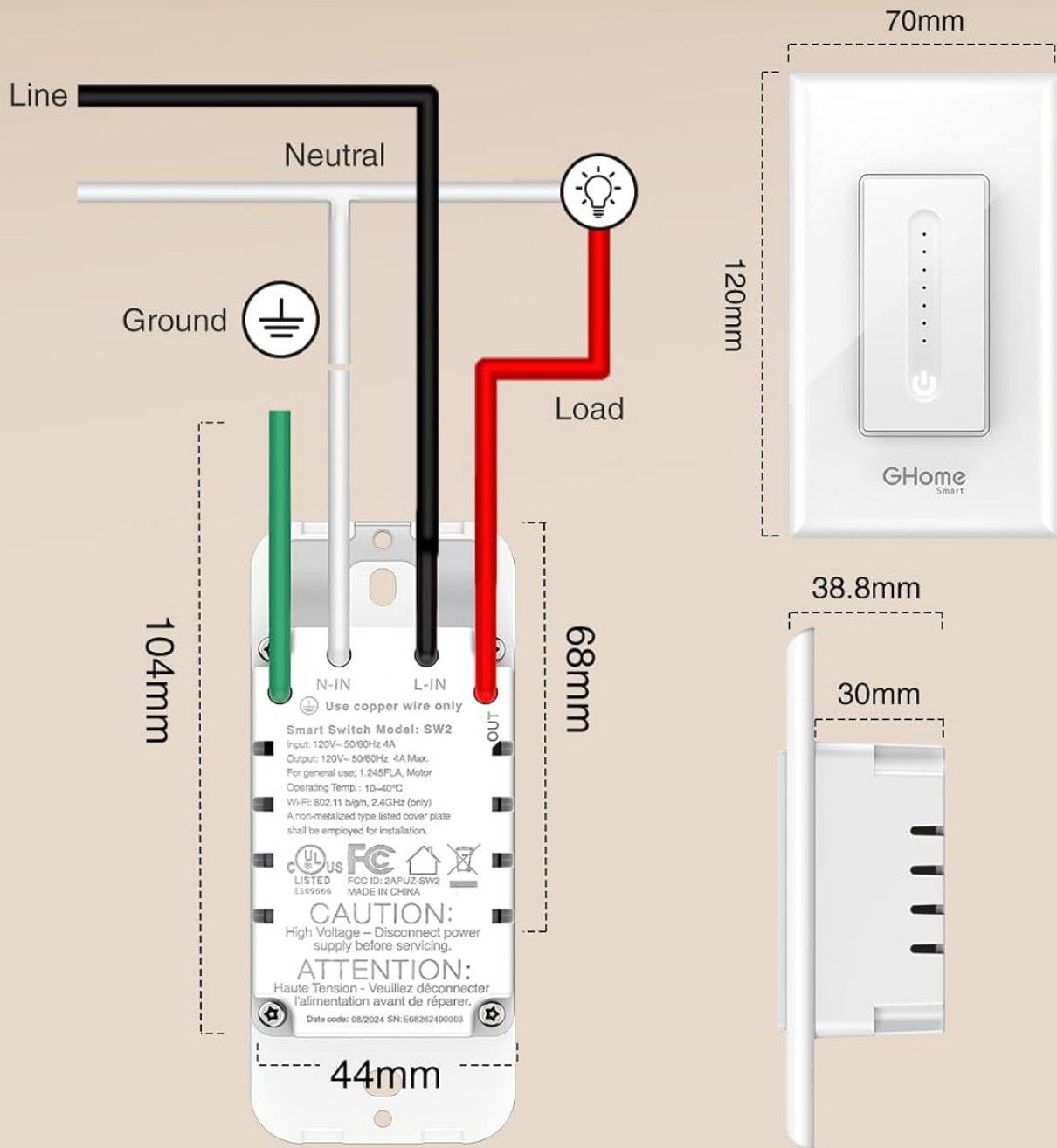


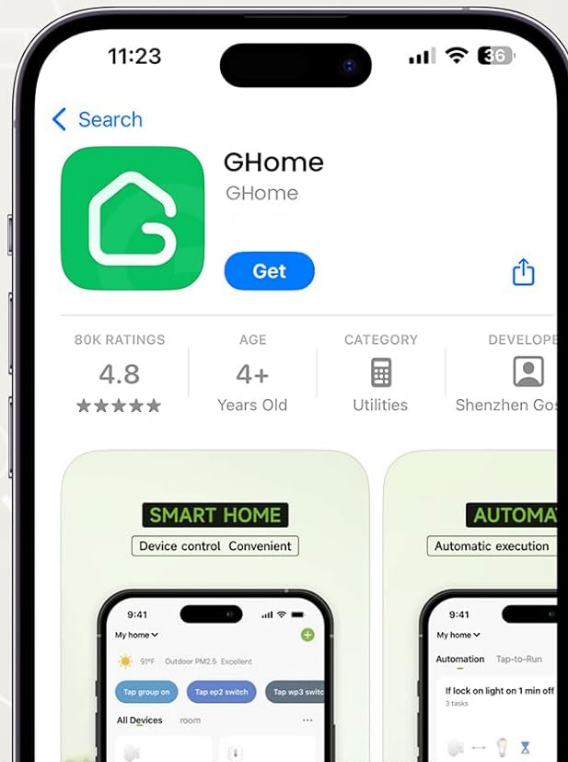
Image 3.2: Detailed wiring diagram showing Line, Neutral, Ground, and Load connections, along with physical dimensions of the switch.

4. APP SETUP AND CONNECTIVITY

4.1 Downloading the GHome App

The GHome Smart Dimmer Switch operates with the GHome mobile application. Download the "GHome" app from your smartphone's app store (available on iOS and Android).

We've Got a New Name



When using Alexa or Google Assistant search for GHome for voice control



Image 4.1: Screenshot of the GHome app download page, indicating its availability for smart home control.

4.2 Connecting to Wi-Fi

1. Open the GHome app and create an account or log in.
2. Follow the in-app instructions to add a new device.
3. Ensure your phone is connected to a 2.4GHz Wi-Fi network. The switch does not support 5GHz Wi-Fi.
4. The app will guide you through the pairing process. This typically involves putting the switch into pairing mode (often indicated by a rapidly blinking light) and entering your Wi-Fi credentials.

5. OPERATING THE SMART DIMMER SWITCH

5.1 Manual Control

The GHome Smart Dimmer Switch features a sensitive touch interface for direct control:

- **On/Off:** Press the power icon at the bottom of the switch.

- **Dimming:** Slide your finger along the vertical touch strip to adjust brightness from 1% to 100%.

Stepless Dimming

Limit the brightness range in the brightness settings, the brightness value will be locked.

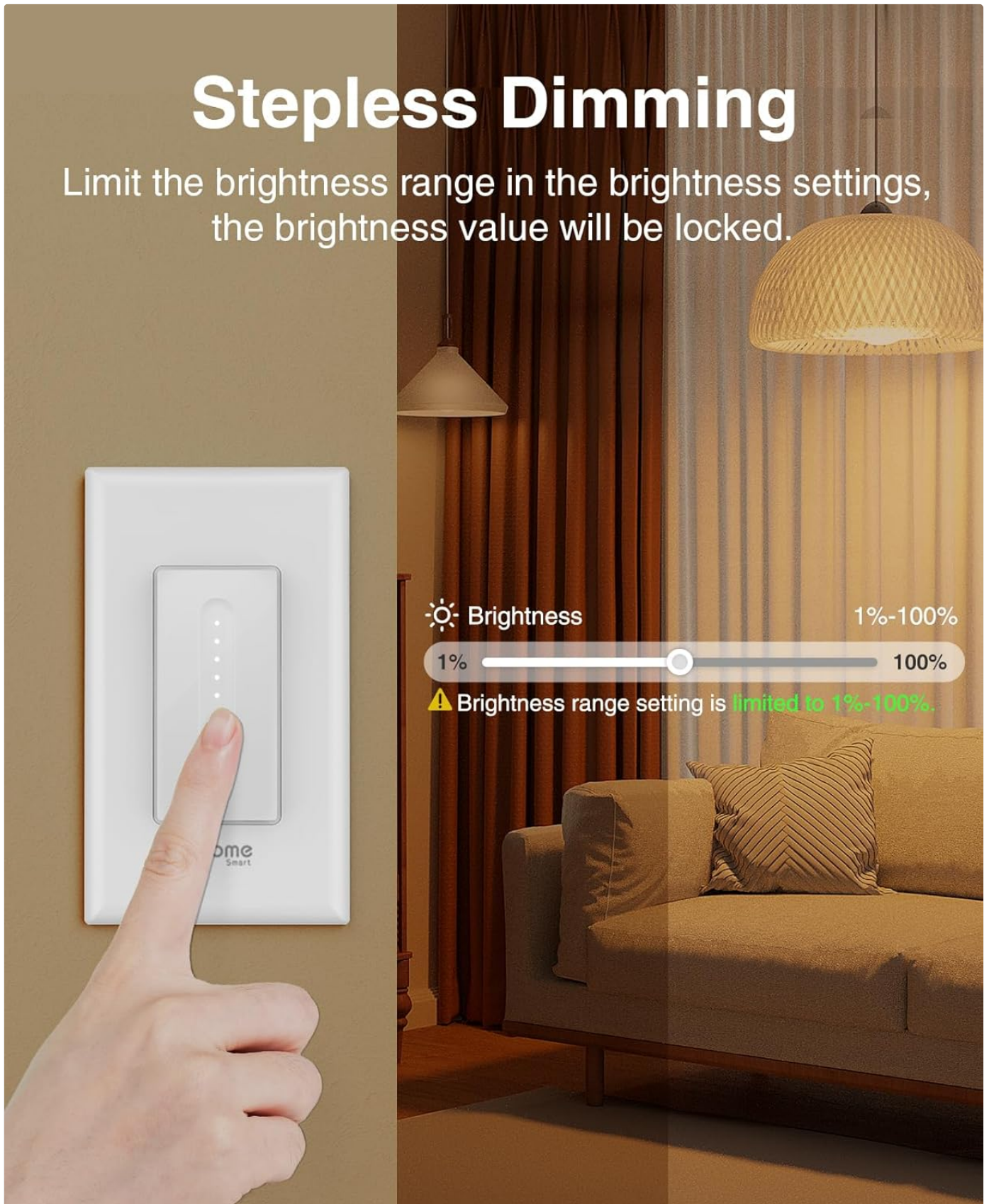


Image 5.1: Illustration of the stepless dimming function, showing a finger sliding on the switch to adjust light intensity.



Image 5.2: Visual representation of the 1% to 100% brightness control range offered by the dimmer switch.

5.2 App Control (Remote & Group Control)

Once connected to the GHome app, you can control your dimmer switch from anywhere with an internet connection.

- **Remote Control:** Turn lights on/off, adjust brightness, and check status from your smartphone.
- **Group Control:** Combine multiple GHome smart dimmer switches into groups to control them simultaneously with a single command.

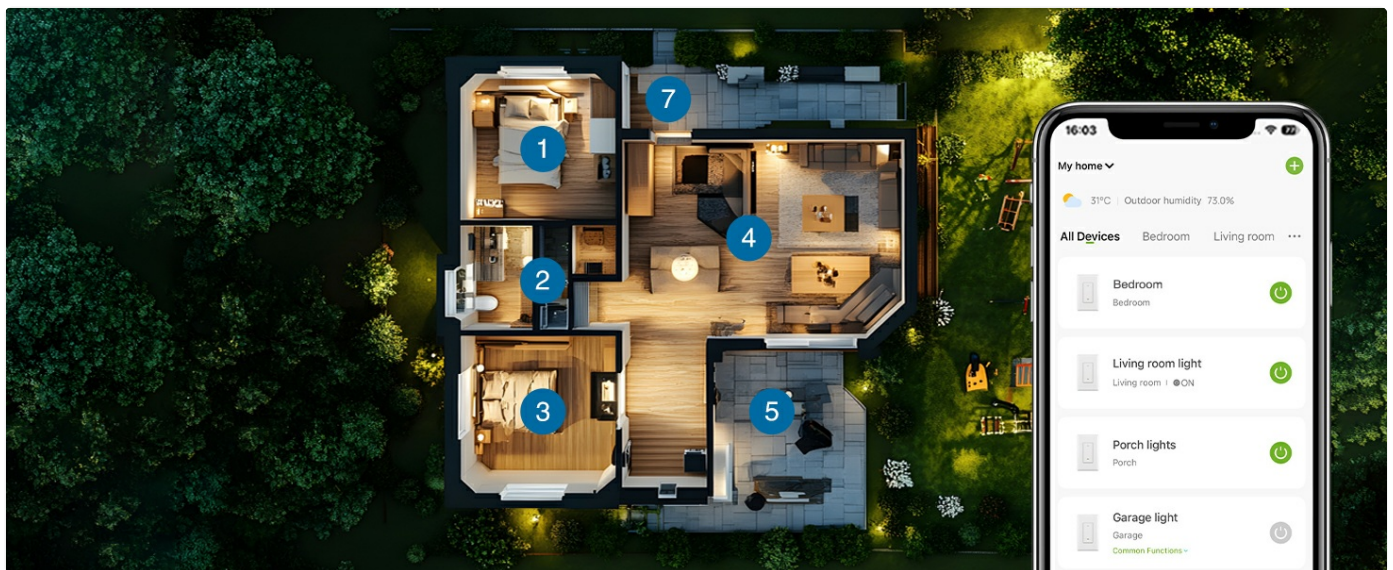


Image 5.3: Depiction of remote control functionality, showing a smartphone app controlling lights in a house from a distance.

Remote Control

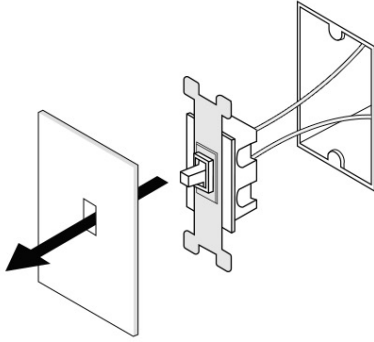
View your lights status and control them anywhere anytime



Image 5.4: A smartphone displaying the GHome app interface, demonstrating remote control of various lights within a home.

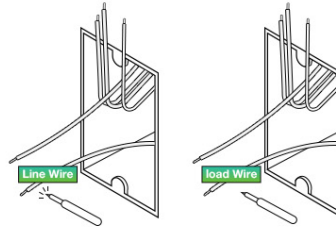
Easy Installation Guide For SW2 Smart Switch

- 1 First shut off power supply, and then remove the old switch

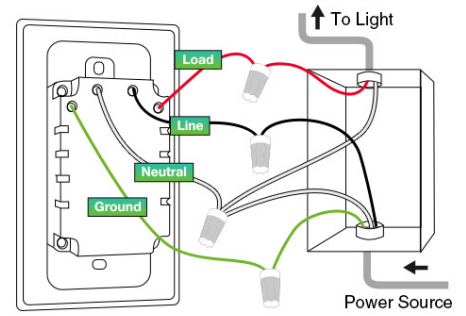


- 2 Turn on the circuit breaker. Use a voltage detector to identify the energized wire (Line wire). Then turn off the circuit breaker. Label the Line, load, Neutral, and Ground wires.

⚠ Take care to avoid electric shocks.



- 3 Connect the wires to the smart switch SW2 as shown below.



Line: The line wire is usually black and comes from the power source.
Load: One end of the load wire connects to the light. If you are not sure, please consult a qualified electrician.

Image 5.5: An overhead view of a house floor plan with numbered rooms, illustrating how the GHome app can control lights in different areas.

5.3 Voice Control

Integrate your GHome Smart Dimmer Switch with Amazon Alexa or Google Home for convenient voice control.

- **Connecting to Voice Assistants:** Follow the instructions in the GHome app to link your account with Alexa or Google Home.
- **Voice Commands:** Use commands such as "Alexa, turn on the living room light," "Hey Google, dim the kitchen to 50%," or "Alexa, brighten the light to 80%."

Voice Control

 Hey Google

 amazon alexa

"Alexa, brighten the light to 80%"



"Okay"

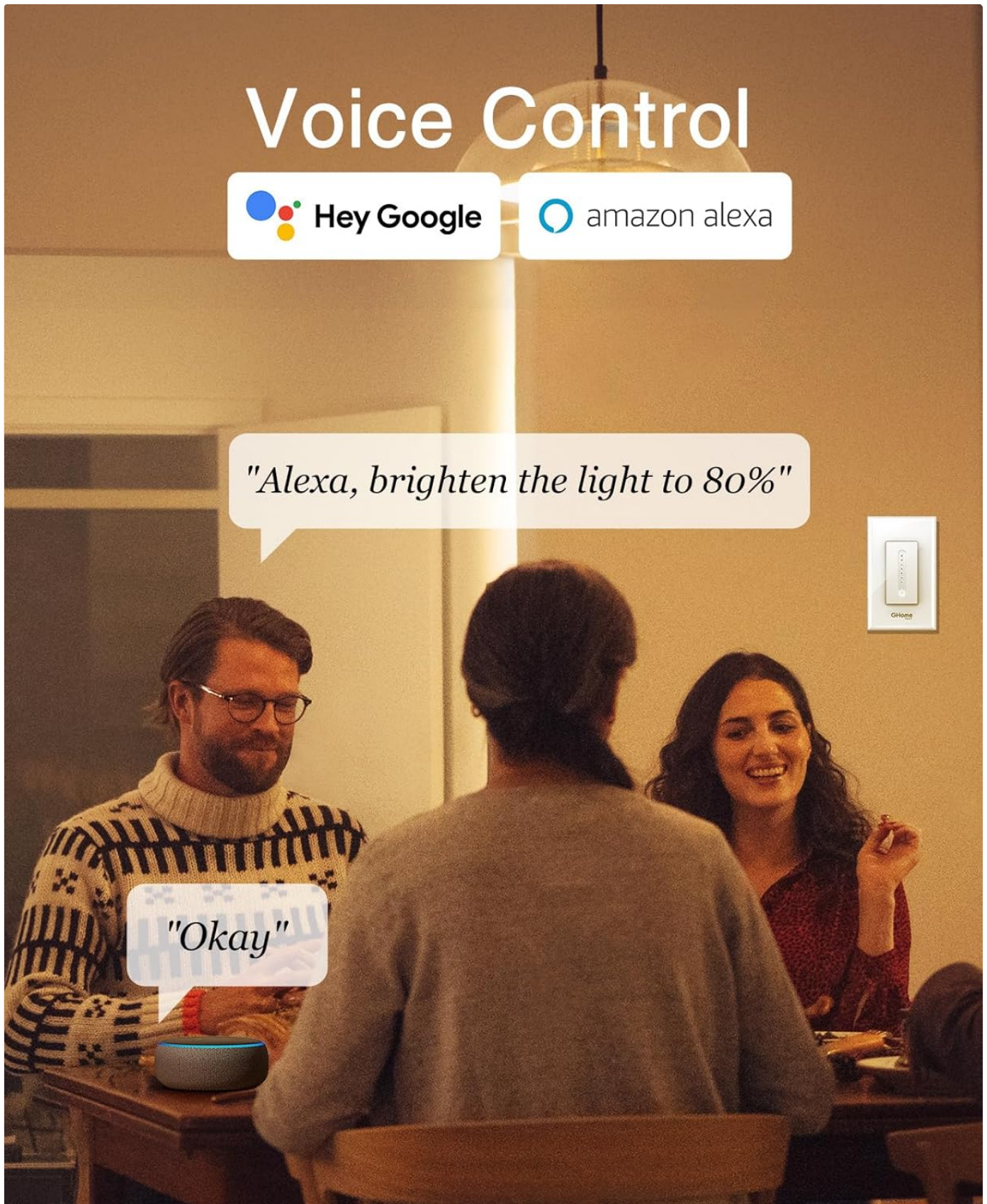


Image 5.6: A scene depicting individuals using voice commands with Amazon Alexa and Google Home to control lighting.



Image 5.7: Family enjoying dinner with smart lighting, demonstrating voice control interaction with a smart speaker.

5.4 Scheduling and Timers

Automate your lighting with the scheduling and timer features in the GHome app.

- **Create Schedules:** Set specific times for lights to turn on or off daily or on selected days.
- **Sunrise/Sunset Routines:** Configure lights to automatically adjust based on local sunrise and sunset times. For example, turn on porch lights 30 minutes after sunset and turn off 25 minutes before sunrise.
- **Countdown Timer:** Set a timer for lights to turn off after a specified duration.

Automation Scenarios

Set your porch lights to go on at dusk and off at dawn



OFF

Turn off 25 minutes
before sunrise



ON

Turn on 30 minutes
after sunset

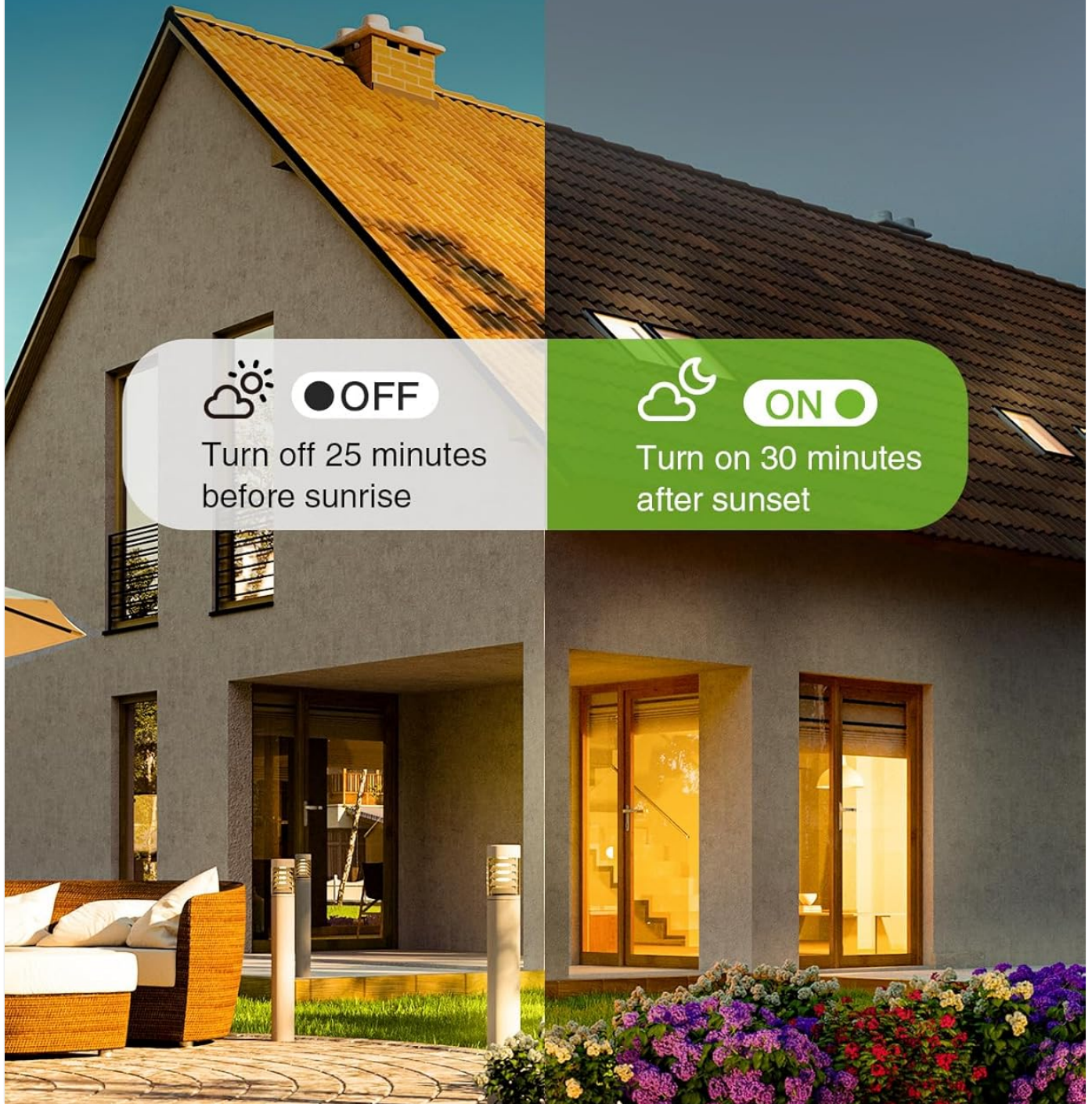


Image 5.8: Illustration of automation scenarios, showing porch lights turning on after sunset and off before sunrise.



Image 5.9: A house exterior at dusk, demonstrating automated lighting turning on 30 minutes after sunset and off 25 minutes before sunrise.

24/7 Timing

Create automations to turn the lights on and off at certain times

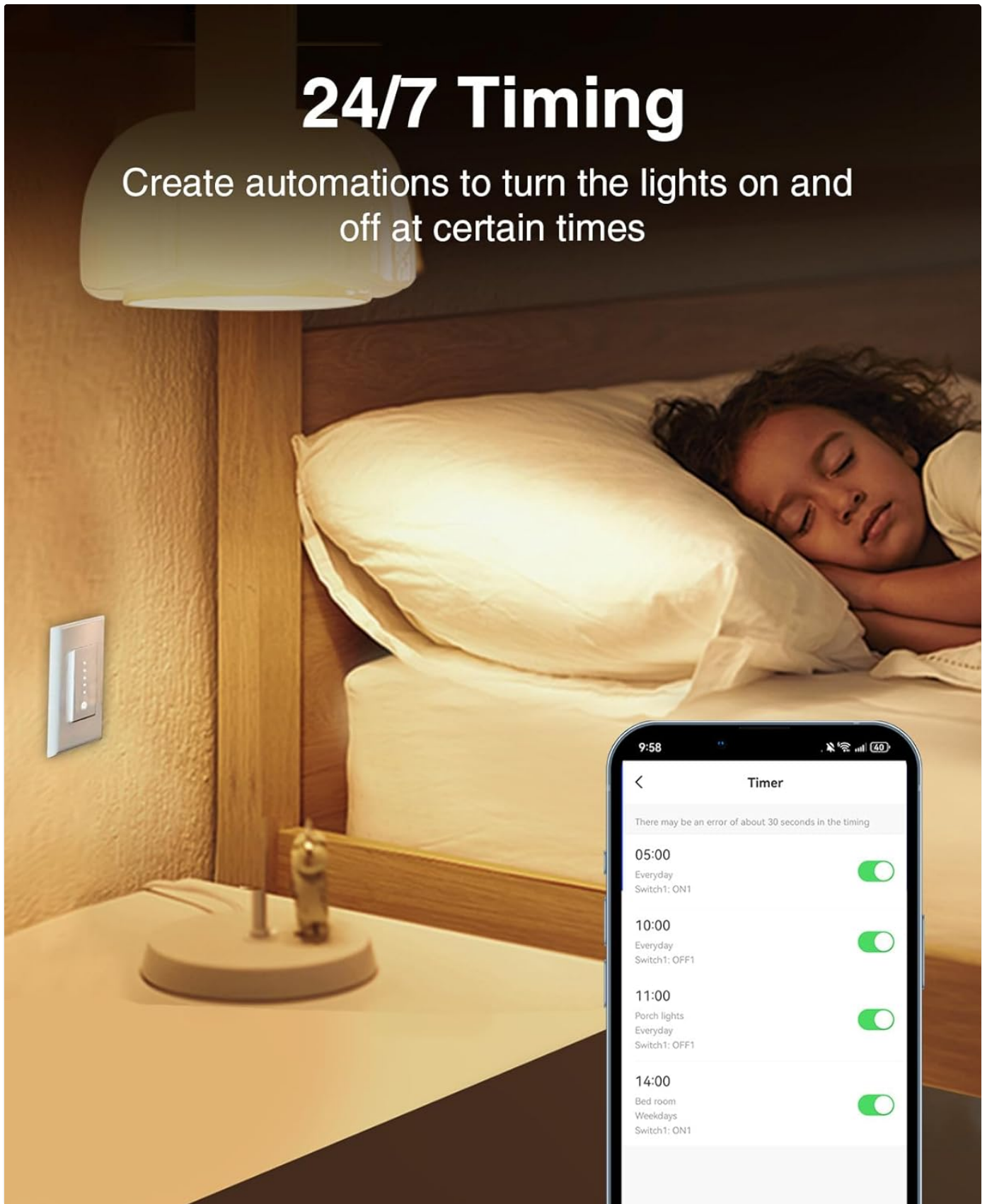


Image 5.10: A bedroom scene with a smartphone displaying the GHome app's timer function, allowing users to set specific on/off times.



Image 5.11: A child sleeping in bed, illustrating the timer feature to turn off lights after a set duration, such as 30 minutes.



Image 5.12: An automation example showing lights turning on automatically on rainy days.



Image 5.13: A bedroom scene illustrating the indicator light feature, designed to be subtle for undisturbed sleep.

6. SPECIFICATIONS

Feature	Specification
Model Number	SW2-1
Input Voltage	120V~ 60Hz
Output Voltage	120V~ 60Hz, 4A MAX
Max Load (LED/CFL)	150W
Max Load (Incandescent)	450W
Wi-Fi Frequency	2.4GHz only
Operation Mode	ON-OFF-ON
Contact Type	Normally Open
Actuator Type	Touch
Circuit Type	1-way
Product Dimensions	5.83 x 3.62 x 1.93 inches
Item Weight	6.38 ounces



Image 6.1: Compatibility chart for the GHome Smart Dimmer Light Switch SW2, indicating support for Dimmable CFL, Dimmable INC, Dimmable LED, and incompatibility with Smart Bulbs.

7. TROUBLESHOOTING

• Lights Flickering at Low Brightness:

If your bulbs flicker at the lowest brightness settings, adjust the "Brightness Range" in the GHome app. Increase the minimum value (e.g., from 1% to 10% or higher) until flickering stops. For normal use without flickering, default the range to 1%-100%.

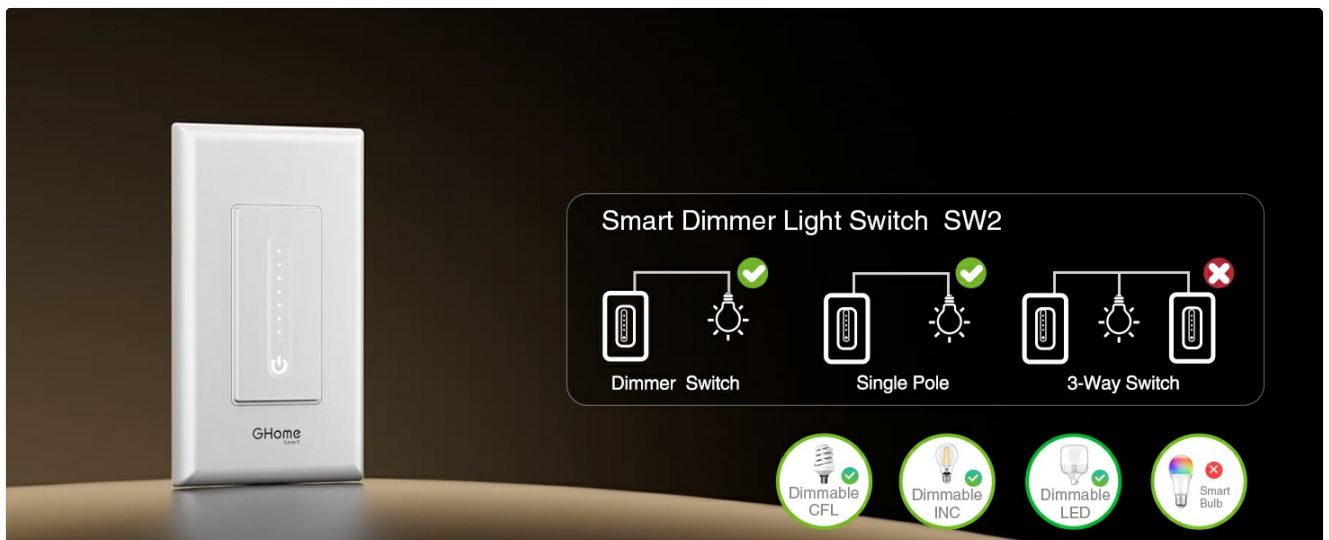


Image 7.1: Screenshot of the GHome app showing the "Brightness Range" setting, used to adjust the minimum brightness level to prevent bulb flickering.

• Switch Not Connecting to Wi-Fi:

- Ensure your Wi-Fi network is 2.4GHz. The switch is not compatible with 5GHz networks.
- Verify your Wi-Fi password is correct.
- Move the switch closer to your Wi-Fi router during setup.
- Restart your router and try the pairing process again.
- Confirm the switch is in pairing mode (usually indicated by a rapidly blinking light).

• Voice Control Not Working:

- Ensure your GHome account is correctly linked to Amazon Alexa or Google Home.
- Check your internet connection.
- Verify the device name in the GHome app matches the name used in voice commands.

- **Random On/Off Behavior:**

- Check for any active schedules or timers in the GHome app that might be causing the behavior.
- Ensure no "Away Mode" or similar routines are enabled in your Alexa or Google Home app that could be triggering the switch.
- If the issue persists, try resetting the switch and re-pairing it.

- **No Power to Switch:**

- Check the circuit breaker to ensure power is on.
- Verify all wiring connections (Line, Load, Neutral, Ground) are secure and correct.
- Confirm a neutral wire is present and properly connected.

- **Status After Power Failure:**

The switch is designed to retain its last state (on/off/brightness) after a power outage, restoring to that state once power is re-established.



Image 7.2: Illustration showing the switch's behavior to restore its last known state after a power failure.

8. WARRANTY AND SUPPORT

The GHome Smart Dimmer Switch SW2-1 comes with a 12-month warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.

For technical support, troubleshooting assistance, or warranty claims, please contact GHome Smart customer service. Refer to the contact information provided in your product packaging or visit the official GHome Smart website.

Manufacturer: GHome Smart

