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Shelly 3800235262009

Shelly 1 Wireless WiFi Relay Switch User Manual

Model: 3800235262009

Brand: Shelly

INTRODUCTION

The Shelly 1 is a compact, UL-certified Wi-Fi smart relay switch designed for home automation. It features a single channel with a maximum current capacity of 15A, enabling you to control and manage a wide range of home appliances, electric circuits, and office equipment. Its small size allows for installation behind most wall switches or sockets, making it a versatile solution for integrating smart control into your existing electrical infrastructure.

SAFETY INFORMATION

Important: Before beginning any installation, ensure the main power supply is turned off at the circuit breaker to prevent electrical shock. All electrical work should be performed by a qualified electrician or in accordance with local electrical codes and regulations. Do not exceed the maximum load ratings specified for the device. Keep the device away from water and extreme temperatures. This device is intended for indoor use only unless otherwise specified for a particular enclosure.

WHAT'S IN THE BOX

- 1 x Shelly 1 UL (2 pack)
- User Manual

PRODUCT OVERVIEW



The Shelly 1 UL smart relay switch, shown here as a two-pack. These compact devices enable smart control over your electrical circuits.

Fit it everywhere



The Shelly 1 is designed to be compact, measuring approximately 42mm in diameter and 36mm in height, allowing it to fit in tight spaces.

Key Features:

- **UL-Certified:** Ensures compliance with safety standards.
- **Single Channel Relay:** Controls one electrical circuit.
- **High Current Capacity:** Supports up to 15A.
- **Wi-Fi Operated:** Connects directly to your home Wi-Fi network (2.4GHz only), no separate hub required.
- **Compact Design:** Fits behind most wall switches and sockets.
- **Dry Contacts:** Allows control of both AC and DC circuits, including low-voltage applications.
- **Flexible Power Supply:** Supports 110-240V AC and 24-60V DC / 12V DC.
- **Scheduling:** Set custom weekly or daily schedules for automated operation.
- **Wide Compatibility:** Works with popular smart home platforms like Google Assistant, SmartThings, Amazon Alexa, and Home Assistant.
- **Open API:** Supports MQTT, CoAP, HTTP, and REST API for advanced integration.

SETUP AND INSTALLATION

The Shelly 1 is designed for easy integration into your existing electrical system. Always ensure power is disconnected before installation.

Wiring Diagrams:

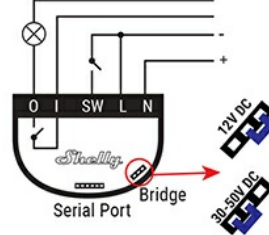
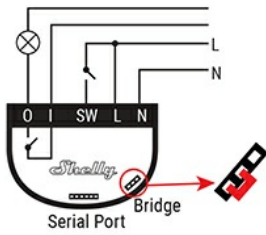
Wiring Diagrams & Compatible Protocols

To install Shelly 1L, follow the wiring diagrams of your preferred use case. For a step by step installation video of all Shelly devices, follow the Shelly YouTube channel.

Shelly 1L supports REST API, CoAP, MQTT, and HTTP protocol straight out of the box.

Power supply: 110-240V AC

Power supply: 12V; 30-50V DC



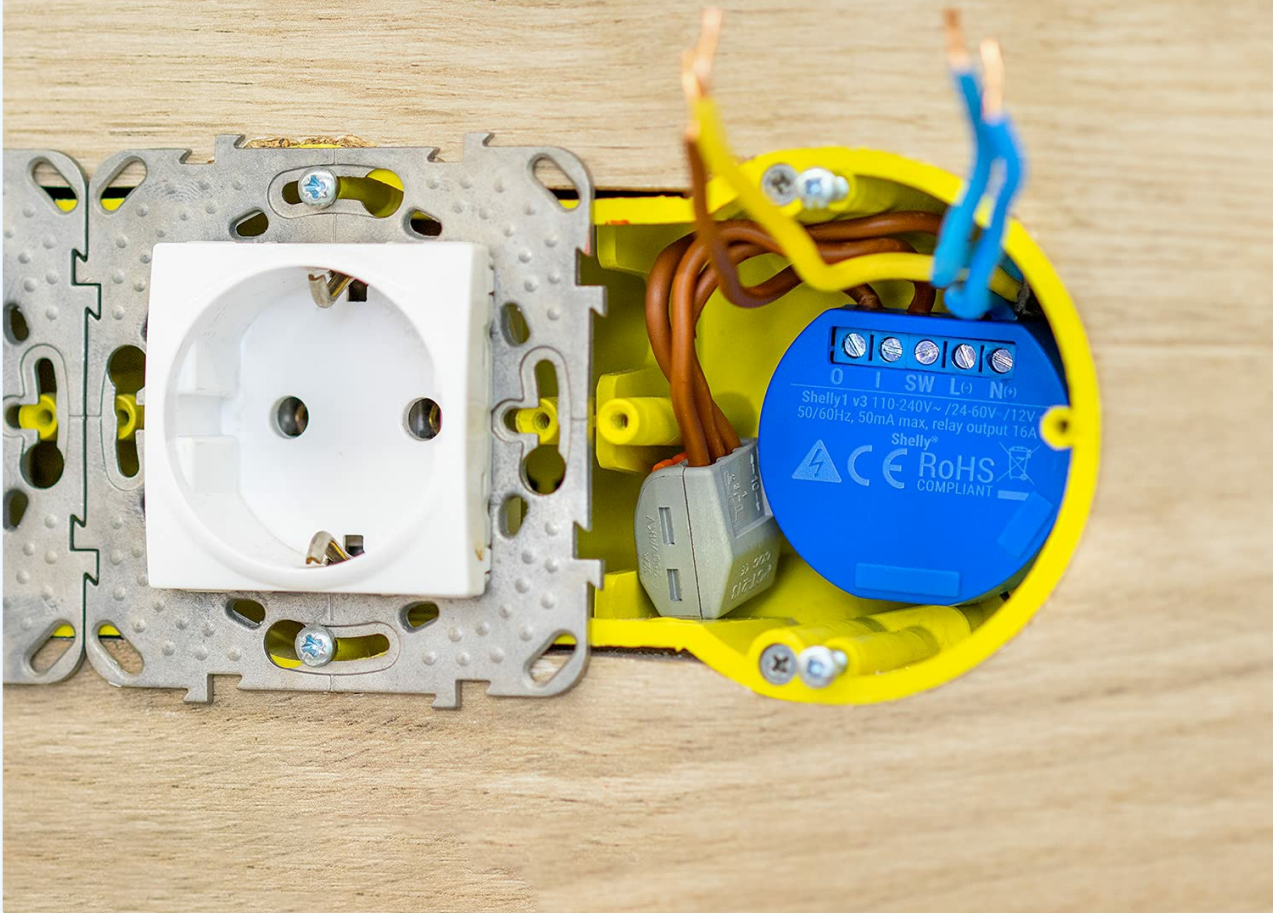
HTTP

MQTT
enabled

{ REST }

This image illustrates typical wiring configurations for the Shelly 1, showing connections for both 110-240V AC and 12V/30-50V DC power supplies. Ensure correct L, N, SW, I, and O connections based on your specific setup.

Fit it everywhere



The compact design allows the Shelly 1 to be installed directly behind an electrical socket or light switch, integrating seamlessly into your wall box.

App Setup:

1. Download the **Shelly Smart Control** app from your device's app store (available on App Store, Google Play, AppGallery).
2. Ensure your phone's Location and Local Network permissions are enabled for the Shelly app.
3. Open the app and follow the on-screen instructions to add a new device.
4. The Shelly 1 supports only a 2.4GHz Wi-Fi network. Ensure your phone is connected to a 2.4GHz network during setup.
5. You can scan the barcode on the device packaging or manually include the device in your Wi-Fi network.
6. Once connected, the app will guide you through naming the device and assigning it to a room or group.

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Easy to **install**



Installation is designed to be straightforward, fitting easily into standard electrical boxes.

No hub Easy control



The Shelly Smart Control app provides an intuitive interface for managing your devices without needing a separate hub.

OPERATING INSTRUCTIONS

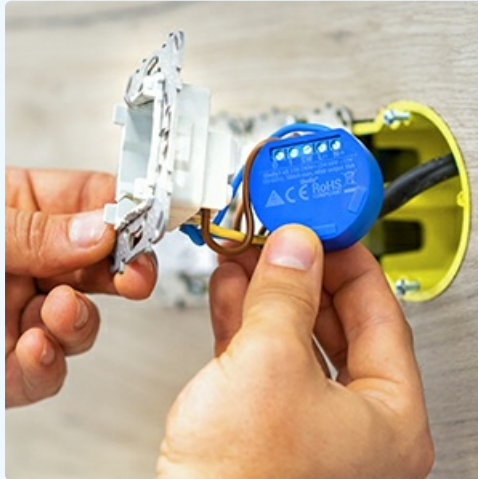
Once installed and connected to your Wi-Fi network, the Shelly 1 can be controlled via the Shelly Smart Control app or integrated with other smart home systems.

Using the Shelly Smart Control App:

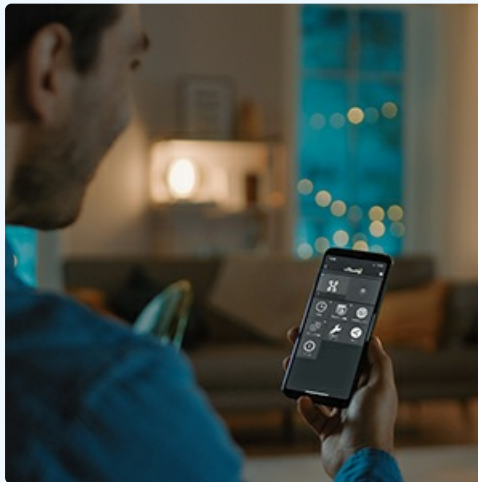
The Shelly Smart Control app offers comprehensive control and monitoring capabilities for your Shelly devices. It allows you to:

- **Remote Control:** Turn devices on/off from anywhere.
- **Custom Schedules:** Set specific times for devices to activate or deactivate.
- **Smart Timers:** Implement countdown or recurring timers.
- **Real-Time Notifications:** Receive alerts for automated events.
- **Personalized Scenes:** Combine multiple Shelly devices to trigger actions based on specific conditions (e.g., 'Good Morning' scene).

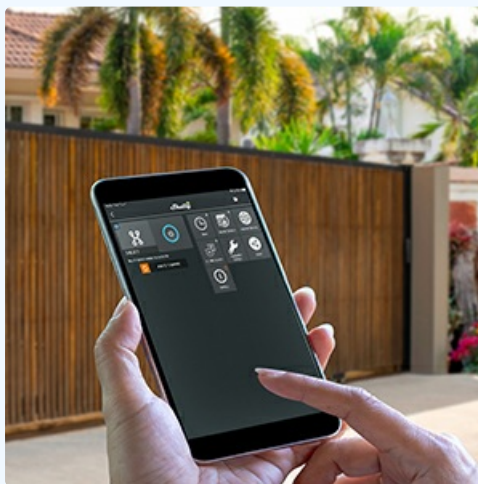
- **Energy Monitoring:** (Note: Shelly 1 does not have built-in power metering, but other Shelly devices do. This feature applies to compatible Shelly devices.)



Control your home lighting remotely through the Shelly app.



Automate and control your garage door from your smartphone.



Manage your irrigation system with smart schedules and timers.

MAINTENANCE

The Shelly 1 is designed for long-term, maintenance-free operation. However, to ensure optimal performance and

longevity:

- Keep the device free from dust and debris.
- Ensure proper ventilation if installed in an enclosed space, though its low heat generation typically prevents overheating.
- Periodically check electrical connections for tightness, especially after initial installation.
- Keep the device's firmware updated through the Shelly Smart Control app to benefit from the latest features and security improvements.

TROUBLESHOOTING

Common Issues and Solutions:

- **Device Not Found During Setup:**

Ensure your phone's Location and Local Network permissions are enabled for the Shelly app. Verify that your phone is connected to a 2.4GHz Wi-Fi network, as Shelly 1 devices only support this frequency. If issues persist, try power cycling the Shelly device by turning off and on the circuit breaker it's connected to.

- **Connectivity Issues (Offline/Unavailable):**

Poor Wi-Fi signal strength can cause intermittent connectivity. Try repositioning your Wi-Fi router or the Shelly device if possible to improve signal. Ensure there are no physical obstructions or interference sources.

Firmware updates can sometimes resolve connectivity stability issues. If the device remains offline, a factory reset might be necessary (consult the Shelly support resources for specific reset procedures).

- **Difficulty Fitting Wires:**

The terminals are designed for standard wire gauges. If using 12 AWG solid wire, which can be thick, ensure the wire ends are straight and not frayed. Some users have found lightly flattening the wire end into an oval shape can help it fit more securely into the terminal. Always ensure a secure connection to prevent overheating and potential hazards. If unsure, consult a qualified electrician.

- **Device Not Responding:**

Check the power supply to the device. Verify that the physical switch connected to the Shelly 1 (if any) is functioning correctly. If the device is accessible via its local IP address in a web browser, check its status and settings there.

SPECIFICATIONS

Attribute	Value
Model Number	3800235262009
Package Dimensions	2.52 x 2.48 x 1.73 inches; 2.4 ounces
ASIN	B07YLRX7P2
Manufacturer	Allterco Robotics EOOD
Date First Available	October 1, 2019
Connector Type	Screw
Contact Material	Steel
Contact Type	Normally Open
Current Rating	15 Amps
Mounting Type	Flush Mount

WARRANTY AND SUPPORT

Shelly provides a **2-year device warranty** for the Shelly 1. For professional support and assistance with your Shelly devices, you can reach out to Shelly Customer Service.

Additionally, Shelly fosters a large and active community where users can share knowledge and help each other.

You can join their Facebook support group for community-driven assistance: [Shelly Official Community Group](#).

For a more detailed user guide, you can refer to the official PDF document: [Shelly 1 User Guide \(PDF\)](#).