SwitchBot W5502300

SwitchBot Smart Relay Switch 1 User Manual

Model: W5502300

PRODUCT OVERVIEW

The SwitchBot Smart Relay Switch 1 is a compact smart relay module designed to integrate traditional electrical devices into your smart home ecosystem. It features a built-in hub with Wi-Fi and Bluetooth connectivity, making old devices smart without extensive rewiring. This device supports Matter protocol, allowing direct control through popular platforms like Alexa, Apple Home, Google Home, and SmartThings. It enables remote control, automation, and voice control for lights, fans, heating, and air conditioning, fitting most standard switch boxes and outlets.
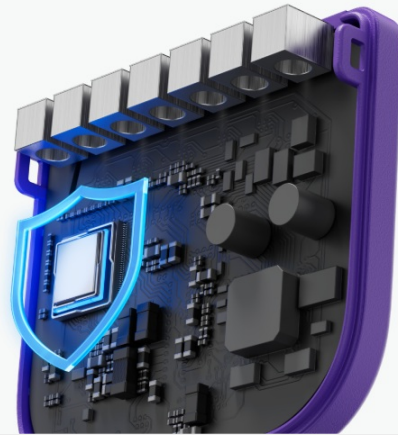
The SwitchBot Smart Relay Switch 1, shown with its packaging and a detailed view of its terminals.

IMPORTANT SAFETY INFORMATION

Your safety is paramount. When installing this device, always adhere to your country's standards for electrical installation. Before commencing any mounting or installation, ensure that the circuit breakers are turned off and there is no voltage present on the terminals. Only proceed with wiring once you have confirmed the absence of voltage. It is highly recommended to read this entire user guide before beginning the installation process. This manual and any accompanying videos are for demonstrational purposes only. We strongly advise hiring a professional electrical installer to install the device. The colors of electrical wires may vary based on regional standards. Always comply with local regulations and standards.

The Relay Switch 1 includes over-temperature protection, V0 flameproof casing, and power-off memory for enhanced safety and reliability.
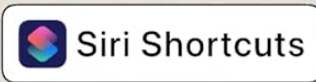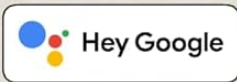
SETUP AND INSTALLATION

The SwitchBot Smart Relay Switch 1 is designed for quick installation, typically within 10 minutes, to convert existing switches into smart ones. A neutral wire is required for installation.

Wiring Diagram and Terminals

Matter Certified

Compatible with multiple platforms including Apple Home.*

*Smart assistant device required.

works with **alexa** | **Hey Google** | **Siri Shortcuts** | Works with **IFTTT** | **SmartThings**

Detailed view of the SwitchBot Relay Switch 1 terminals, indicating connections for Load (O), Switch (SW), Live (L), and Neutral (N).

Installation Steps

Follow these steps carefully to install your SwitchBot Smart Relay Switch 1:

1. **Switch off the power:** Locate the circuit breaker for the area where you will install the switch and turn off the power. Verify that the power is off using a voltage tester.

2. **Remove the switch shell:** Carefully remove the existing switch plate and shell from the wall box.

3. **Disconnect existing wires:** Disconnect the wires from your old switch. Note which wires are Live, Neutral, and Load.

4. **Connect Load wire:** Connect the Load wire (typically connected to the light fixture or appliance) to the 'O' terminal on the SwitchBot Relay Switch 1.

5. **Connect Neutral wire:** Connect the Neutral wire to the 'N' terminal on the SwitchBot Relay Switch 1.

6. **Connect Live wire (power input):** Connect the Live wire (incoming power) to the 'L' terminal on the SwitchBot Relay Switch 1.

7. **Connect Live wire (switch input):** Connect a Live wire from the main power line to the 'I' terminal on the SwitchBot Relay Switch 1. This provides power to the internal module.

8. **Connect switch to SW terminal:** Connect one wire from your physical wall switch to the 'SW' terminal on the SwitchBot Relay Switch 1.

9. **Connect switch to L terminal:** Connect the other wire from your physical wall switch to the 'L' terminal on the SwitchBot Relay Switch 1. This completes the circuit for the physical switch.

10. **Reinstall switch shell:** Carefully place the SwitchBot Relay Switch 1 and wires back into the wall box and reinstall the switch shell and plate.

11. **Switch on the power:** Turn the power back on at the circuit breaker.

12. **Test the device:** Use the SwitchBot app or the physical switch to confirm proper operation.

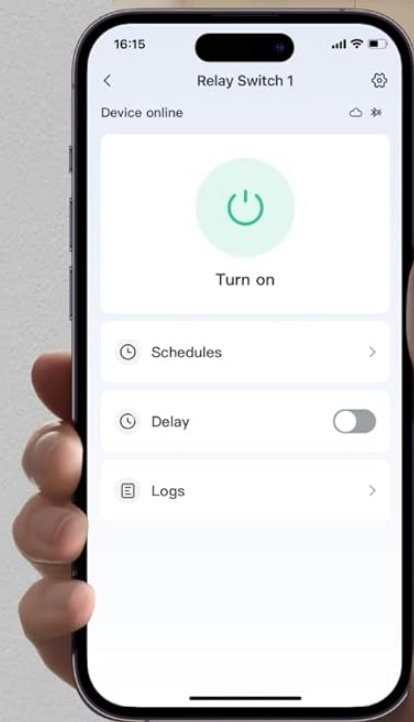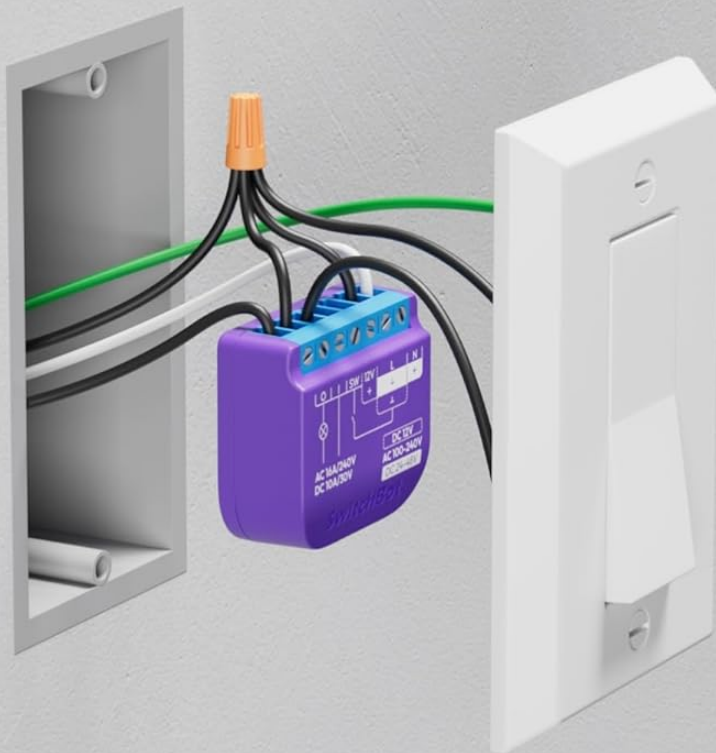Your browser does not support the video tag.

Official installation guide for the SwitchBot Relay Switch 1 behind a wall switch. This video demonstrates the wiring process and reassembly.
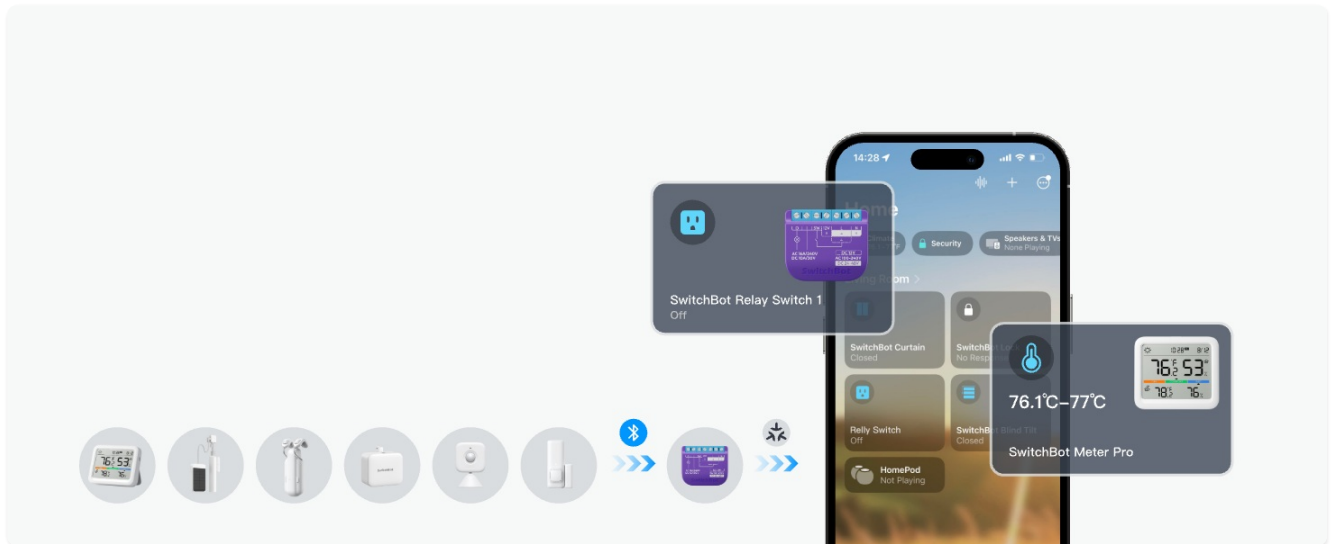
The compact design of the SwitchBot Relay Switch 1 allows it to fit behind most existing wall switches, making old lighting smart.

OPERATING THE SWITCHBOT SMART RELAY SWITCH 1

The SwitchBot Smart Relay Switch 1 offers multiple control options for seamless integration into your smart home.

App Control

Control your appliances remotely via the SwitchBot app on your smartphone. The integrated gateway allows for convenient connection with other smart devices. If your internet connection is unavailable, you can still control the device locally using Bluetooth.

The SwitchBot app provides an intuitive interface for remote control and scheduling of your connected devices.

Voice Control

With Matter Protocol support, the Relay Switch 1 can be directly connected to voice assistants like Alexa, Apple Home, Google Home, and SmartThings (compatible speaker required), enabling hands-free control of your devices.

Control your SwitchBot devices using voice commands through compatible smart speakers and assistants.

Custom Smart Scenes and Automation

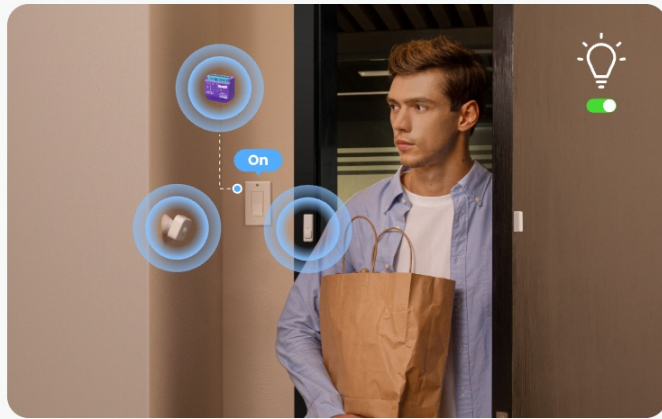Create customized smart scenes to automate your home. For example:

- Automatically turn on lights when doors open or motion is detected (requires SwitchBot Sensor).

- Schedule lights to turn off at a preset time.

- Automate garden irrigation based on temperature and humidity by pairing with a SwitchBot Meter.

Automatic Lighting

Pair with Contact and Motion Sensors to automatically turn on lights when doors open or when motion is detected in the middle of the night.

Contact Sensor + Motion Sensor + Relay Switch 1

Get Filters

Combine the Relay Switch 1 with Contact and Motion Sensors for automated lighting based on presence or door activity.

Weather-Based Watering

Works with SwitchBot Outdoor Meter to automatically water your garden plants during hot weather.
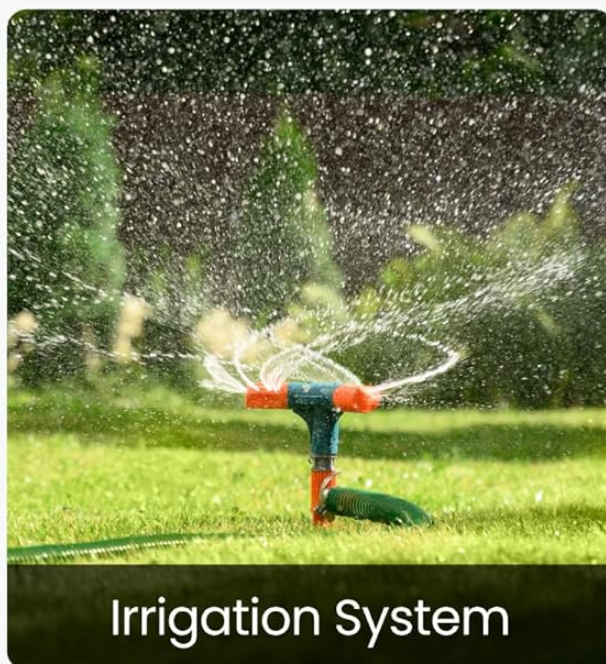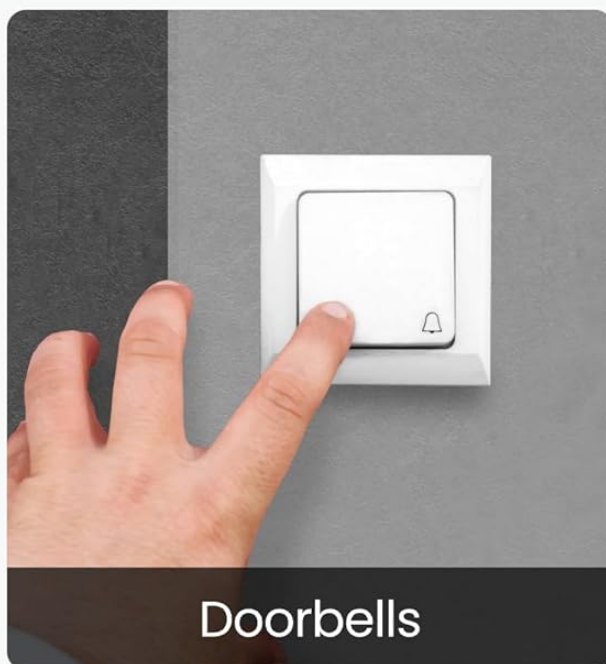
Outdoor Meter + Relay Switch 1

Get Filters

Automate your garden irrigation system by pairing the Relay Switch 1 with a SwitchBot Outdoor Meter for weather-responsive watering.

Multiple Ways to Use

The Relay Switch 1 can be used for various applications, including garage doors, doorbells, cabinet LED lights, and irrigation systems.

MAINTENANCE

The SwitchBot Smart Relay Switch 1 requires minimal maintenance. Ensure the device is kept clean and free from dust. Do not attempt to open or repair the device yourself. For cleaning, gently wipe the exterior with a dry, soft cloth. Avoid using liquid cleaners or abrasive materials.

Troubleshooting

- **Device not responding:** Ensure the power is on at the circuit breaker and the device is properly wired. Check your Wi-Fi connection and ensure the SwitchBot app is up to date. If the internet is down, try controlling via Bluetooth.

- **Difficulty connecting to smart home platforms:** Ensure your Matter hub (compatible speaker) is properly set up and connected to the internet. Follow the pairing instructions within the SwitchBot app and your chosen smart home platform (Alexa, Apple Home, Google Home, SmartThings).

- **Physical switch not working:** Verify that the physical switch is correctly wired to the 'SW' and 'L' terminals of the Relay Switch 1.

- **Device not fitting in wall box:** The Relay Switch 1 is compact (1.65 x 1.45 x 0.63 inches). Ensure there is sufficient space in your switch box. If needed, consult with a professional electrician for alternative installation methods or box types.
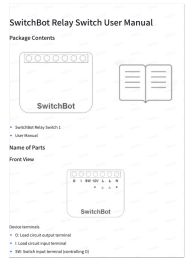
Specifications

Feature	Specification
Brand	SwitchBot
Model Number	W5502300
Dimensions	1.42 x 0.63 x 1.65 inches
Item Weight	1.41 ounces
Current Rating	16 Amps
Wattage	3840 watts
Connector Type	Crimp
Contact Type	Normally Closed
Mounting Type	Plug In Mount
Operation Mode	Automatic
Switch Type	1-way
Switch Style	MOSFET
UPC	810150543018
Country of Origin	China

Warranty and Support

For detailed warranty information, technical support, and frequently asked questions, please visit the official SwitchBot website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Related Documents - W5502300

	SwitchBot Relay Switch User Manual User manual for the SwitchBot Relay Switch, covering package contents, parts identification, preparation, safety information, installation guide, specifications, and troubleshooting.
	SwitchBot Relay Switch 1: User Manual, Specifications, and Setup Guide Comprehensive user manual for the SwitchBot Relay Switch 1, covering setup, specifications, troubleshooting, and warranty information. Learn how to integrate this smart home device into your setup.
	SwitchBot Hub 2 Troubleshooting Guide: Setup, Alexa, Matter, and Connectivity Issues Comprehensive troubleshooting guide for the SwitchBot Hub 2, covering setup, Alexa integration, Matter setup, IR remote learning, and common connectivity problems. Get solutions for network issues, power-on problems, and more.
	SwitchBot Hub 3 User Manual: Setup, Installation, and Operation Guide Comprehensive user manual for the SwitchBot Hub 3, covering setup, installation methods, usage instructions, troubleshooting, and specifications. Learn how to connect and control your smart home devices with the Hub 3.
	SwitchBot Blind Tilt User Manual: Installation, Setup, and Troubleshooting Guide Comprehensive user manual for the SwitchBot Blind Tilt, covering installation, setup, calibration, troubleshooting, specifications, and safety information for automating your blinds.
	SwitchBot Bot User Manual: Smart Button Pusher Guide Comprehensive user manual for the SwitchBot Bot, detailing setup, installation, operation modes, voice commands, connectivity, specifications, safety, and warranty information for this smart home automation device.