

SONOFF DUALR3 Lite

SONOFF DUALR3 Lite Smart Switch Module User Manual

Model: DUALR3 Lite

1. INTRODUCTION

The SONOFF DUALR3 Lite is a dual-relay Wi-Fi smart switch module designed to transform traditional switches and motorized devices into smart ones. It supports two-way control and is compatible with various smart home platforms, including Alexa and Google Assistant. This module is ideal for automating curtains, blinds, roller shutters, and other motorized facilities, offering both motor mode and switch mode functionalities.

The DUALR3 Lite has received TUV certifications, ensuring a safer and more reliable product for your home automation needs.



Figure 1: SONOFF DUALR3 Lite Smart Switch Modules

2. SAFETY INFORMATION

Please read and understand all safety instructions before installation and operation. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- Installation should be performed by a qualified electrician or professional.
- Ensure the power supply is disconnected before installation or maintenance.
- Do not expose the device to moisture or extreme temperatures.
- Operate the device within its specified electrical ratings (100-240V AC, 10A Max).
- Keep out of reach of children.

3. PRODUCT FEATURES AND APPLICATIONS

The DUALR3 Lite offers versatile control for various motorized and electrical appliances:

- **Dual Relay Control:** Independently control two devices or a single motorized device with two directions (e.g., open/close).
- **Wi-Fi Connectivity:** Connects to your home Wi-Fi network for remote control via the eWeLink app.
- **Motor Mode:** Specifically designed for 100-240V AC motors, enabling smart control of curtains, blinds, roller shutters, awnings, and more. Supports four-wire AC motors (GND, Neutral, Forward, Reverse).
- **Switch Mode:** Can also function as a standard smart switch for lights and other appliances.
- **Voice Control:** Compatible with Amazon Alexa and Google Assistant for hands-free operation.

- **Scheduling & Scenes:** Set timers, schedules, and create smart scenes for automated operation.
- **Existing Switch Compatibility:** Retains functionality with your existing wall switches.

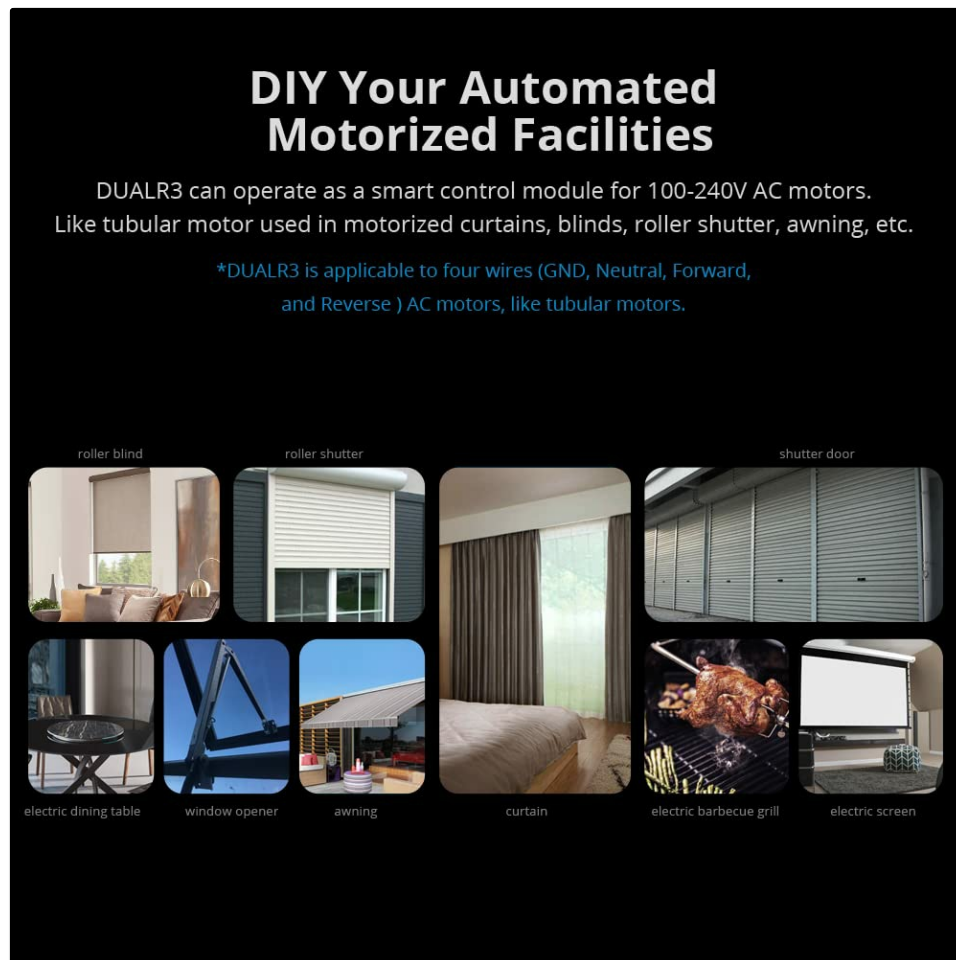


Figure 2: DIY Automated Motorized Facilities with DUALR3 Lite

DUALR3 Lite vs. DUALR3 Comparison

The DUALR3 Lite is a streamlined version of the DUALR3. Key differences are outlined below:



Figure 3: Feature Comparison: DUALR3 vs. DUALR3 Lite

Table 1: DUALR3 vs DUALR3 Lite Feature Comparison

Features	DUALR3	DUALR3 Lite
Power metering (monitoring, real-time & historical power statistics)	✓	✗
Overload protection	✓	✗
Roller motor stroke calibration	✓	✗
Progress bar control with percentage (motor position display)	✓	✗
Meter Mode	✓	✗
Motor Mode	✓	✓
External switch control in both Motor and Switch Mode	✓	✓
Switch Mode	✓	✓

Note: The roller motor requires the travel limit function.

4. INSTALLATION AND SETUP

Before proceeding with installation, ensure the main power supply is turned off at the circuit breaker to prevent electric shock.

4.1 Wiring

The DUALR3 Lite module requires connection to live, neutral, and load wires. For motorized applications, it connects to the motor's forward and reverse control wires. Refer to the wiring diagram provided in the product packaging or the eWeLink app for detailed instructions specific to your application (e.g., curtain motor, light switch).

- **Input:** Connect Live (L) and Neutral (N) wires from your power supply.
- **Output:** Connect Live Out 1 (L Out 1) and Live Out 2 (L Out 2) to your devices or motor.
- **External Switch:** Connect your existing wall switch to S1 and S2 terminals for manual control.

Important: Ensure all connections are secure and insulated. If you are unsure about electrical wiring, consult a qualified electrician.

4.2 Pairing with eWeLink App

1. Download the eWeLink app from the App Store or Google Play.
2. Register and log in to your eWeLink account.
3. Power on the DUALR3 Lite module. It will automatically enter pairing mode (indicated by a blinking LED). If not, press and hold the pairing button for 5 seconds.
4. In the eWeLink app, tap the '+' icon to add a device.
5. Follow the on-screen instructions to connect the device to your 2.4GHz Wi-Fi network.
6. Once connected, you can name your device and assign it to a room.

4.3 Compatible Switch Types

The DUALR3 Lite is designed to work with various existing switch types, allowing you to retain manual control

alongside app control.

Compatible with Your Existing Various Switch Types

In addition to APP control, the original switch control can be retained.



Figure 4: Compatible Existing Switch Types

5. OPERATING INSTRUCTIONS

Once installed and paired, you can control your DUALR3 Lite using the eWeLink app, voice commands, or your existing wall switches.

5.1 App Control

Open the eWeLink app to access your DUALR3 Lite. You can:

- Turn devices on/off.
- Control motorized devices (e.g., open/close curtains, adjust position).
- Set schedules and timers.
- Create smart scenes to automate actions based on conditions (e.g., time, other device status).

Control It Wherever You Are

Don't worry about rain, close the window remotely.



Figure 5: Remote Control via eWeLink App

5.2 Voice Control

Integrate your DUALR3 Lite with Amazon Alexa or Google Assistant for convenient voice control. Link your eWeLink account in the respective assistant app and use commands such as:

- "Alexa, open the living room curtain."
- "Hey Google, turn off the bedroom light."

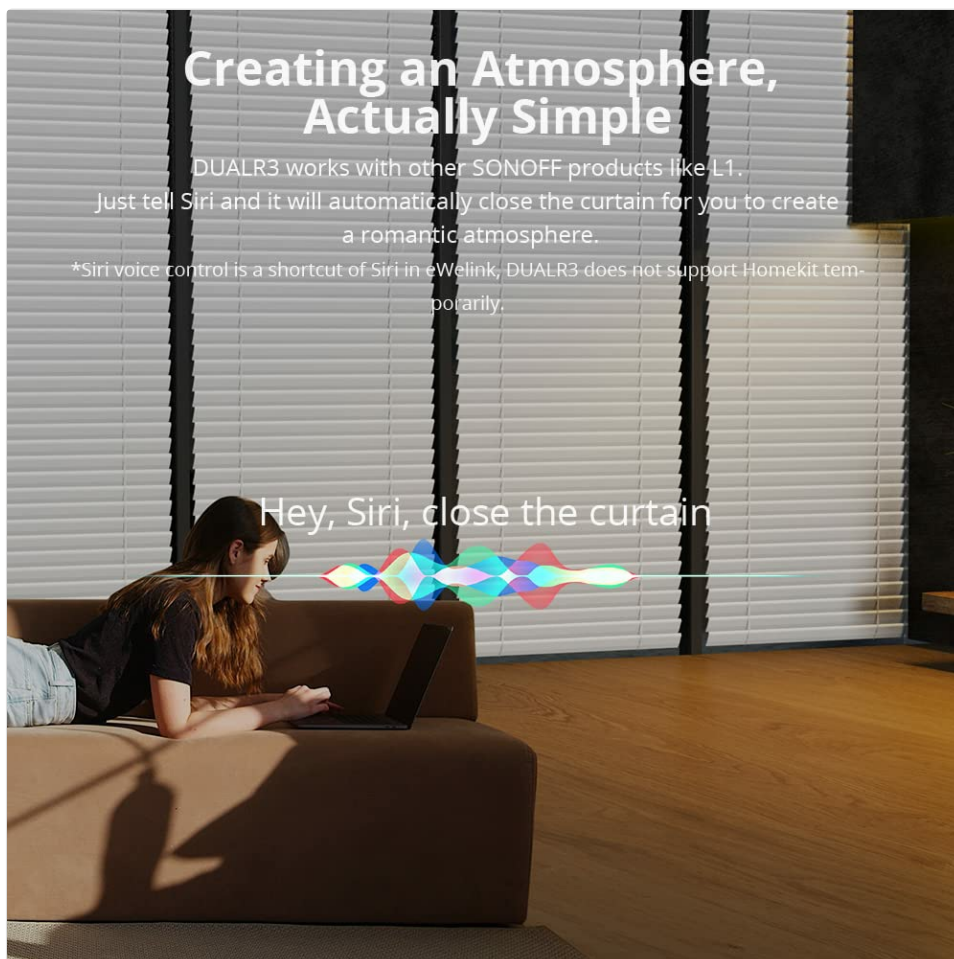


Figure 6: Voice Control Example

5.3 Scheduling

Set up schedules to automatically open or close your curtains, blinds, or other devices at specific times. This feature enhances comfort and energy efficiency.

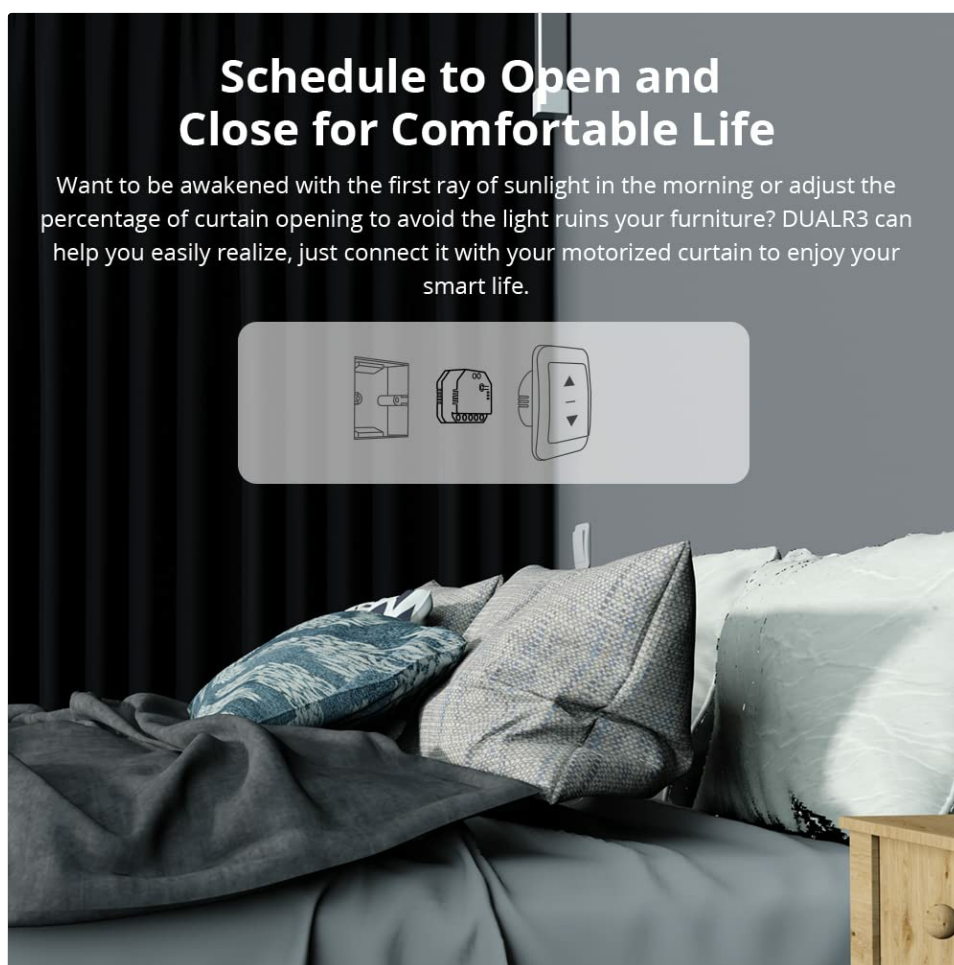


Figure 7: Scheduling for Automated Comfort

6. MAINTENANCE

To ensure optimal performance and longevity of your DUALR3 Lite module:

- Keep the device clean and free from dust. Use a dry, soft cloth for cleaning.
- Avoid exposing the module to water or other liquids.
- Regularly check the eWeLink app for firmware updates to ensure you have the latest features and security enhancements.
- Do not attempt to disassemble or repair the device yourself. Contact customer support if issues arise.

7. TROUBLESHOOTING

If you encounter issues with your DUALR3 Lite, consider the following common solutions:

- **Device Offline:** Check your Wi-Fi connection. Ensure the module is within range of your 2.4GHz Wi-Fi router. Restart the module and your router.
- **Cannot Pair:** Ensure the device is in pairing mode (blinking LED). Verify your Wi-Fi password and network type (only 2.4GHz is supported). Try resetting the device by holding the pairing button for 5 seconds.

- **Motor Not Responding:** Check wiring connections to the motor. Ensure the module is in 'Motor Mode' in the eWeLink app settings. Verify the motor itself is functioning correctly.
- **Voice Control Not Working:** Ensure your eWeLink account is correctly linked to Alexa or Google Assistant. Check the device name in the eWeLink app and use clear voice commands.
- **Intermittent Control:** This could be due to weak Wi-Fi signal. Consider relocating your router or adding a Wi-Fi extender.

For further assistance, refer to the eWeLink app's help section or contact SONOFF customer support.

8. SPECIFICATIONS

Specification	Detail
Model Number	DUALR3 Lite
Product Dimensions	1.3 x 2.68 x 4.02 inches; 4.8 ounces
Manufacturer	SONOFF
Operation Mode	Smart Switch
Current Rating	10 Amps
Operating Voltage	120 Volts (Supports 100-240V AC)
Contact Type	Touchless
Connector Type	Crimp
Switch Type	Rocker
Terminal	Screw
Material	Copper
Wireless Standard	Wi-Fi IEEE 802.11 b/g/n 2.4GHz

9. WARRANTY AND SUPPORT

SONOFF products typically come with a limited warranty. Please refer to the warranty card included with your product or visit the official SONOFF website for detailed warranty terms and conditions.

For technical support, troubleshooting, or any inquiries, please contact SONOFF customer service through their official website or the eWeLink app's support section.

No official product videos from the seller were found in the provided data.