Dio 54515

Chacon DI-O 54515 Universal Dimmer White User Manual

Model: 54515 | Brand: Dio

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Chacon DI-O 54515 Universal Dimmer White. This device allows you to wirelessly control your lighting, integrating seamlessly with existing light switches and the DiO 1.0 ecosystem.

The DI-O 54515 micro-module is designed to be installed behind your existing light switch, enabling wireless ON-OFF control of your lights. It supports control via the physical switch, a remote control, or automatically through compatible motion or opening sensors. When connected to a LiteBox or DiO Home+ hub, it offers smartphone app control, timers, and scenario programming, including voice control via Amazon Echo or Google Home.

2. SAFETY INFORMATION

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

- Installation must be performed by a qualified electrician or in accordance with local electrical codes.
- Always disconnect power at the circuit breaker before installing or servicing the device.
- Do not exceed the maximum load ratings specified in the technical specifications.
- This device is designed for indoor use only.
- Keep the device away from water, moisture, and extreme temperatures.
- Ensure all connections are secure and properly insulated.

3. PACKAGE CONTENTS

The package should contain the following items:

- Chacon DI-O 54515 Universal Dimmer White Module
- Instruction Manual (this document)

Image 1: The Chacon DI-O 54515 Universal Dimmer White module, showing its compact design and wiring terminals.

4. PRODUCT FEATURES

- **Wireless Control:** Enables wireless ON-OFF control of lights when installed behind an existing switch.
- **Multi-Control Options:** Compatible with existing physical switches, DiO 1.0 remote controls, wireless switches, motion sensors, and opening sensors.
- **Smart Home Integration:** Connects to LiteBox or DiO Home+ for smartphone app control, timers, and scenario programming.
- **Voice Control:** Supports voice commands via Amazon Echo or Google Home when integrated with DiO Home+.
- **Easy Installation:** Designed for simple connection behind an existing light switch, requiring no neutral wire.
- **Compact Design:** Dimensions (L x W x H): 41 x 42 x 13 mm, allowing it to fit into standard electrical boxes.

Image 2: An illustrative diagram detailing the wireless control capabilities and key electrical specifications of the module.

5. SETUP AND INSTALLATION

The installation of the Chacon DI-O 54515 module is designed to be straightforward. However, if you are unsure, consult a qualified electrician.

5.1 Wiring Instructions

1. **Disconnect Power:** Before starting any electrical work, ensure the power supply to the circuit is turned off at the main circuit breaker.
2. **Access Switch Box:** Carefully remove your existing light switch from the wall box.
3. **Connect Module:**

   - Connect the Live (L) wire from your electrical supply to the 'L' terminal on the DiO module.
   - Connect the wire going to your light fixture to the output terminal (often marked with a wave symbol or 'OUT') on the DiO module.
   - Connect the two wires from your existing light switch to the designated switch input terminals on the DiO

module. This module does not require a neutral wire for operation.

4. **Position Module:** Carefully place the DiO module into the wall box behind your existing light switch. Ensure wires are not pinched.

5. **Reinstall Switch:** Reattach your existing light switch to the wall box.

6. **Restore Power:** Turn the power back on at the circuit breaker.
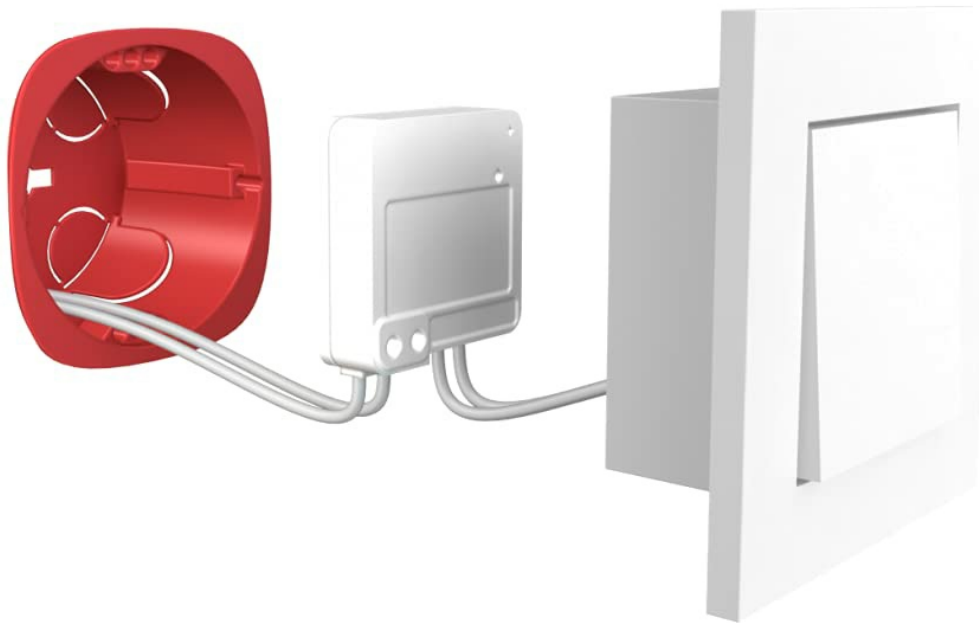
Image 3: A visual representation of the DiO module being installed within a standard electrical wall box, positioned behind an existing light switch.

Image 4: A detailed view of the Chacon DI-O 54515 module, highlighting its wiring terminals for proper connection.

5.2 Pairing with DiO 1.0 Controls

To enable wireless control, you need to pair the module with a compatible DiO 1.0 remote control, wireless switch, or sensor.

1. **Enter Pairing Mode:** Refer to the specific instructions for your DiO 1.0 control device to put it into pairing mode. Typically, this involves pressing a pairing button on the module or performing a specific sequence with the existing switch.

2. **Activate Control:** Once the module is in pairing mode, activate your DiO 1.0 control (e.g., press the 'ON' button on a remote or wireless switch).

3. **Confirmation:** The light connected to the module should flash or turn on/off to confirm successful pairing.

4. **Repeat for Multiple Controls:** You can pair multiple DiO 1.0 controls to the same module if desired.

6. OPERATING INSTRUCTIONS

Once installed and paired, the Chacon DI-O 54515 module offers several ways to control your lighting:

- **Existing Light Switch:** You can continue to use your traditional wall switch to turn the lights on and off.
- **DiO 1.0 Remote Control/Wireless Switch:** Use any paired DiO 1.0 remote control or wireless switch to toggle the lights.
- **DiO 1.0 Sensors:** If paired with a DiO motion or opening sensor, the lights can be triggered automatically based on detected activity.
- **Smartphone App (via DiO Home+ / LiteBox):**

  a. Connect your DiO module to a DiO Home+ or LiteBox hub (sold separately).
  b. Download the free DiO smartphone app.
  c. Follow the app's instructions to add and configure your module.
  d. From the app, you can turn lights on/off, set timers, and create custom scenarios.

- **Voice Control (via DiO Home+ and Smart Speaker):**

  a. Ensure your DiO Home+ hub is integrated with Amazon Echo or Google Home.
  b. Use voice commands such as "Alexa, turn on the living room light" or "Hey Google, turn off the kitchen light."

7. MAINTENANCE

The Chacon DI-O 54515 module requires minimal maintenance. Follow these guidelines to ensure optimal performance:

- **Cleaning:** If necessary, gently wipe the module with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Inspection:** Periodically check the wiring connections to ensure they remain secure. Always disconnect power before inspection.
- **Firmware Updates:** If using with a DiO Home+ or LiteBox, ensure your hub's firmware and the smartphone app are kept up to date for the best performance and security.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on/off.	No power to the module, incorrect wiring, module not paired, faulty bulb.	Check circuit breaker. Verify wiring according to Section 5.1. Re-pair the module with the control device (Section 5.2). Test with a known working bulb.
Wireless control not working.	Module not paired, control device out of range, battery low in remote/sensor.	Ensure module is correctly paired (Section 5.2). Move control device closer to the module. Replace batteries in remote/sensor.
Module indicator light flashing red.	Overload or short circuit detected.	Immediately disconnect power. Check the connected load does not exceed specifications. Inspect wiring for any short circuits. Consult a qualified electrician if the problem persists.
Voice control not responding.	DiO Home+ hub not connected, incorrect voice command, smart speaker issue.	Ensure DiO Home+ is online and linked to your smart speaker account. Verify the correct device name is used in commands. Check smart speaker's internet connection.

9. SPECIFICATIONS

Feature	Detail
Model Number	54515
Brand	Dio
Operation Mode	ON-OFF
Current Rating	10 Amps
Switch Type	Dimmer Switch
Mounting Type	Wall Mount
Actuator Type	Remote Control
International Protection Rating	IP44
Controller Type	Amazon Alexa
Control Method	Remote
Colour	White
Dimensions (L x W x H)	41 x 42 x 13 mm
Warranty	2 years

Note on Dimming Functionality: *While the product title includes "Dimmer" and "Switch Type" is listed as "Dimmer Switch", the official specifications list "Operation mode: ON-OFF". Some user reviews also indicate that newer versions of this module function as a simple ON/OFF switch rather than a dimmer. Please verify the specific functionality of your module upon receipt.*

10. WARRANTY AND SUPPORT

This Chacon DI-O 54515 Universal Dimmer White module comes with a **2-year warranty** from the date of purchase, covering manufacturing defects.

For technical support, troubleshooting assistance, or warranty claims, please contact your retailer or visit the official Dio website for contact information. Please have your proof of purchase and model number (54515) ready when contacting support.

Related Documents - 54515

[DiO 1.0 Lighting Micro Module (54515) - Installation and User Guide](#)

Comprehensive guide for installing and operating the DiO 1.0 Lighting Micro Module (54515). Learn how to wire, pair with remote controls, troubleshoot common issues, and understand technical specifications for your smart home lighting.

[DiO 1.0 Remote Control (Model 54791) - User Manual and Setup Guide](#)

Comprehensive guide for the DiO 1.0 remote control (model 54791) by CHACON. Learn how to pair, change batteries, use features like ON/OFF and dimming, troubleshoot common issues, and understand technical specifications for your smart home setup.

[DiO 1.0 1-Channel Remote Control (Model 54791) - User Guide](#)

User manual for the DiO 1.0 1-channel remote control (model 54791) by CHACON. Learn how to change the battery, link to receivers, delete links, use the remote, troubleshoot issues, and view technical specifications.

[Chacon Wi-Fi Timer User Manual (53022/53023)](#)

User manual for the Chacon Wi-Fi Timer plug (models 53022 and 53023), detailing setup, usage, troubleshooting, and technical specifications. Compatible with My Chacon and DiO one apps, and voice control via Google Home and Amazon Alexa.

[DiO 1.0 3-Channel Remote Control (54760) - User Manual & Guide](#)

Learn how to install, use, and troubleshoot the DiO 1.0 3-channel remote control (model 54760) for your smart home devices. Includes technical specifications and compatibility information.

DiO DiOVDP-IP02 Video Door Phone System - Quick Start Guide
This quick start guide provides essential information for installing and operating the DiO DiOVDP-IP02 video door phone system, featuring an LCD monitor and outdoor camera for enhanced home security and communication.

Documents - Dio – 54515

[pdf] User Manual Guide Application Guide
Nexus 1450 Power Meter Modbus Protocol Application Guide V 1 12 Electro Industries 2022 02 15 — Nexus® High Performance User Manual 0 version 30 Phase A N B Voltage 85th Harmonic Magnitude E171707 electroind products manuals |||

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Comprehensive guide for installing and operating the DiO 1.0 Lighting Micro Module (54515). Learn how to wire, pair with remote controls, troubleshoot common issues, and understand technical specifications for your smart home lighting.
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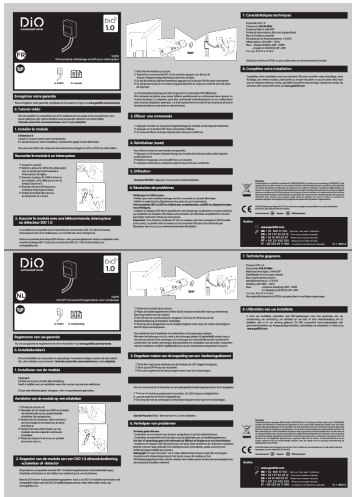
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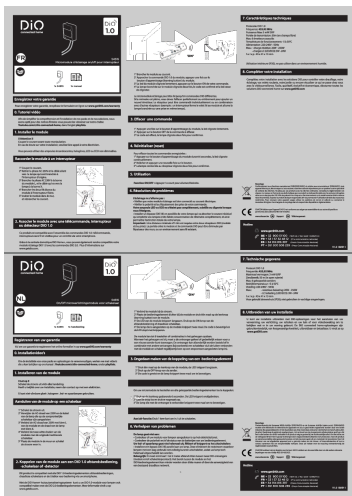
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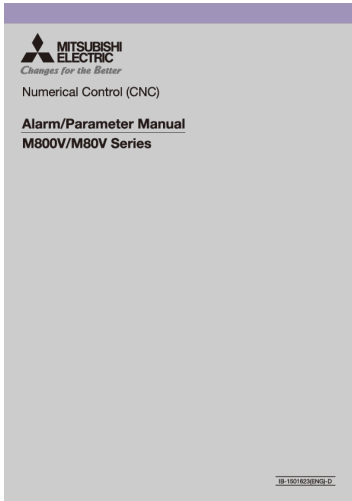
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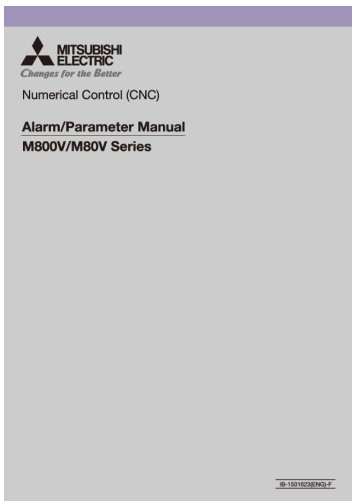
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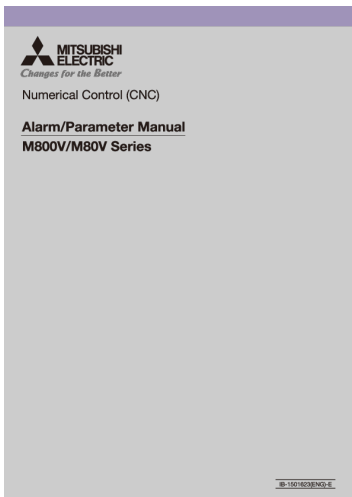
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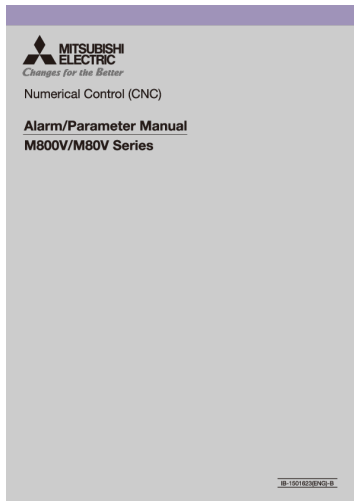
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