

L&S 2000446

L&S LED Radio Dimmer Set (Model 2000446) - User Manual

Model: 2000446 | Brand: L&S

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your L&S LED Radio Dimmer Set, Model 2000446. Please read this manual carefully before using the product to ensure safe and efficient operation. Keep this manual for future reference.

2. SAFETY INSTRUCTIONS

- Ensure the power supply is disconnected before installation or maintenance.
- This device is designed for indoor use only.
- Do not expose the device to moisture or extreme temperatures.
- Only use the specified voltage (12V/24V) for operation.
- Installation should be performed by a qualified electrician if you are unsure.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- 1x LED Radio Dimmer Receiver
- 1x 4-Channel Remote Control
- 1x User Manual (this document)



Image 1: L&S LED Radio Dimmer Set components. This image shows the main components of the dimmer set, including the receiver unit and the remote control.

4. SPECIFICATIONS

Feature	Detail
Model Number	2000446
Brand	L&S
Input Voltage	12V / 24V DC
Output Power	36W (at 12V) / 72W (at 24V)
Control Type	Radio Frequency (RF) Remote Control
Remote Channels	4 Channels
Item Weight	200 grams

5. SETUP AND INSTALLATION

1. **Prepare Wiring:** Ensure the power supply is turned off at the main circuit breaker before beginning installation.
2. **Connect LED Strip:** Connect your 12V or 24V LED strip to the output terminals of the dimmer receiver. Observe polarity (+ and -).
3. **Connect Power Supply:** Connect the appropriate 12V or 24V DC power supply to the input terminals of the dimmer receiver. Again, observe polarity.
4. **Mount Receiver:** Secure the dimmer receiver in a suitable, dry location, away from direct heat or moisture.
5. **Power On:** Once all connections are secure, restore power to the circuit.
6. **Pair Remote Control:** The remote control is typically pre-paired. If not, refer to the "Pairing Remote Control" section.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation with Remote Control

The 4-channel remote control allows for easy operation of your LED lighting.

- **Power On/Off:** Press the **ON** button to turn the lights on, and the **OFF** button to turn them off.
- **Dimming:** Use the **+** and **-** buttons to increase or decrease the brightness of the connected LED lights.
- **Channel Selection:** If you have multiple dimmer sets, use the channel buttons (e.g., A, B, C, D) on the remote to select which receiver to control.

6.2 Pairing Remote Control (if necessary)

1. Ensure the dimmer receiver is powered on.
2. Within 5 seconds of powering on the receiver, press and hold the desired channel button (e.g., A) on the remote control for approximately 3 seconds.
3. The connected LED lights will flash once to indicate successful pairing.
4. Repeat for other channels if you wish to control multiple receivers with different channels.

7. MAINTENANCE

- **Cleaning:** Clean the dimmer receiver and remote control with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** If the remote control's range decreases or it stops responding, replace its battery (type usually CR2032, check remote for specifics).
- **Inspection:** Periodically check all wiring connections for tightness and signs of wear or damage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Lights do not turn on.	No power supply; incorrect wiring; remote battery flat; receiver not paired.	Check power connections; verify wiring polarity; replace remote battery; re-pair remote.
Lights do not dim.	Incorrect dimmer type for LED; faulty receiver.	Ensure LEDs are dimmable; contact support if receiver is faulty.
Remote control not responding.	Remote battery flat; out of range; interference.	Replace remote battery; move closer to receiver; reduce interference sources.

9. WARRANTY AND SUPPORT

L&S products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official L&S website. Please have your model number (2000446) ready when contacting support.