

Ejoyous LED Dimmer Switch 200W (220V)

Ejoyous LED Dimmer Switch with IR Remote Control User Manual

Model: 200W (220V)

1. INTRODUCTION

Thank you for purchasing the Ejoyous LED Dimmer Switch with IR Remote Control. This device is designed to provide convenient brightness control for your LED lighting, enhancing comfort and energy efficiency. This manual provides essential information for safe installation, operation, and maintenance of your dimmer switch.

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.

- **Electrical Hazard:** Installation should only be performed by a qualified electrician or trained personnel. Ensure power is disconnected at the circuit breaker before installation or servicing.
- **Voltage Compatibility:** This dimmer switch is designed for 220V AC systems. Do not connect to other voltage systems.
- **Load Capacity:** Do not exceed the maximum load of 200W. Overloading can cause damage to the dimmer and connected lights, and may pose a fire risk.
- **Indoor Use:** While rated IP65 for protection against dust and splashes, ensure the dimmer is installed in a location protected from direct water exposure and extreme temperatures.
- **LED Compatibility:** This dimmer is specifically designed for dimmable LED lights. Using it with non-dimmable LEDs or other light sources may result in flickering or damage.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x LED Dimmer Switch (Rotary Type)
- 1 x IR Remote Control
- Mounting Screws (quantity may vary)



Figure 1: This image displays all components included in the product package: the Ejoyous LED Dimmer Switch, its separate mounting box, the infrared remote control, two mounting screws, and a small instruction manual.

4. SPECIFICATIONS

Feature	Specification
Material	PC
Color	White
Type	AC 220V
Frequency	50-60Hz
Maximum Load	200 W
Protection Class	IP65
Dimmer Dimensions	Approx. 8.6 x 8.6 x 5.5 cm

Feature	Specification
Remote Control Dimensions	Approx. 8.6 x 3.6 x 0.65 cm
Weight	Approx. 190 g

5. SETUP AND INSTALLATION

Important: Installation must be performed by a qualified electrician. Ensure the main power supply is turned off at the circuit breaker before beginning any electrical work.

1. **Power Disconnection:** Locate the circuit breaker controlling the light fixture you intend to dim and turn it OFF. Verify power is off using a voltage tester.
2. **Remove Existing Switch:** Carefully remove the existing wall switch from its electrical box.
3. **Identify Wires:** Identify the Live (AC IN L), Neutral (AC IN N), Switched Live (AC OUT L), and Neutral (AC OUT N) wires. Refer to the wiring diagram provided in the instruction leaflet.
4. **Connect Wires:** Connect the wires to the corresponding terminals on the Ejoyous LED Dimmer Switch. Ensure all connections are secure.



Figure 2: The back of the Ejoyous LED Dimmer Switch is shown, detailing the electrical input and output terminals and the

mounting screw holes for installation.

5. **Mount the Dimmer:** Carefully place the dimmer switch into the electrical box and secure it with the provided mounting screws.
6. **Install Faceplate:** Attach the decorative faceplate (if included or purchased separately) over the dimmer switch.
7. **Restore Power:** Turn the power back ON at the circuit breaker.
8. **Test Functionality:** Test the dimmer switch and remote control to ensure proper operation.



Dimmer Switch

This is a practical dimming equipment to control the brightness of LED light.

Figure 3: A side perspective of the Ejoyous LED Dimmer Switch, emphasizing its compact design and the rotary control knob for brightness adjustment, as it would appear installed.

6. OPERATING INSTRUCTIONS

The Ejoyous LED Dimmer Switch offers two methods of control: the rotary knob on the switch itself and the included IR remote control.

6.1. Using the Rotary Dimmer Switch

- **Turn On/Off:** Press the rotary knob to turn the lights ON or OFF.
- **Adjust Brightness:** Rotate the knob clockwise to increase brightness and counter-clockwise to

decrease brightness. The dimmer supports a range from 0% to 100%.

6.2. Using the IR Remote Control

The IR remote control provides convenient wireless operation and can control up to four dimmers.



Figure 4: The Ejoyous LED Dimmer Switch and its accompanying IR remote control, illustrating the product's function in controlling lighting brightness.

- **Power Button ():** Turns the connected lights ON or OFF.
- **Delay Off Button:** Activates a timed delay before turning off the lights.
- **Brightness Up (+):** Increases the light brightness.
- **Brightness Down (-):** Decreases the light brightness.
- **Hotkeys (25%, 50%, 75%, 100%):** Instantly set the brightness to predefined levels.
- **Scene Buttons (1, 2, 3, 4):** These buttons allow you to select which of up to four dimmers the remote will control. Press the desired scene button to select the dimmer.

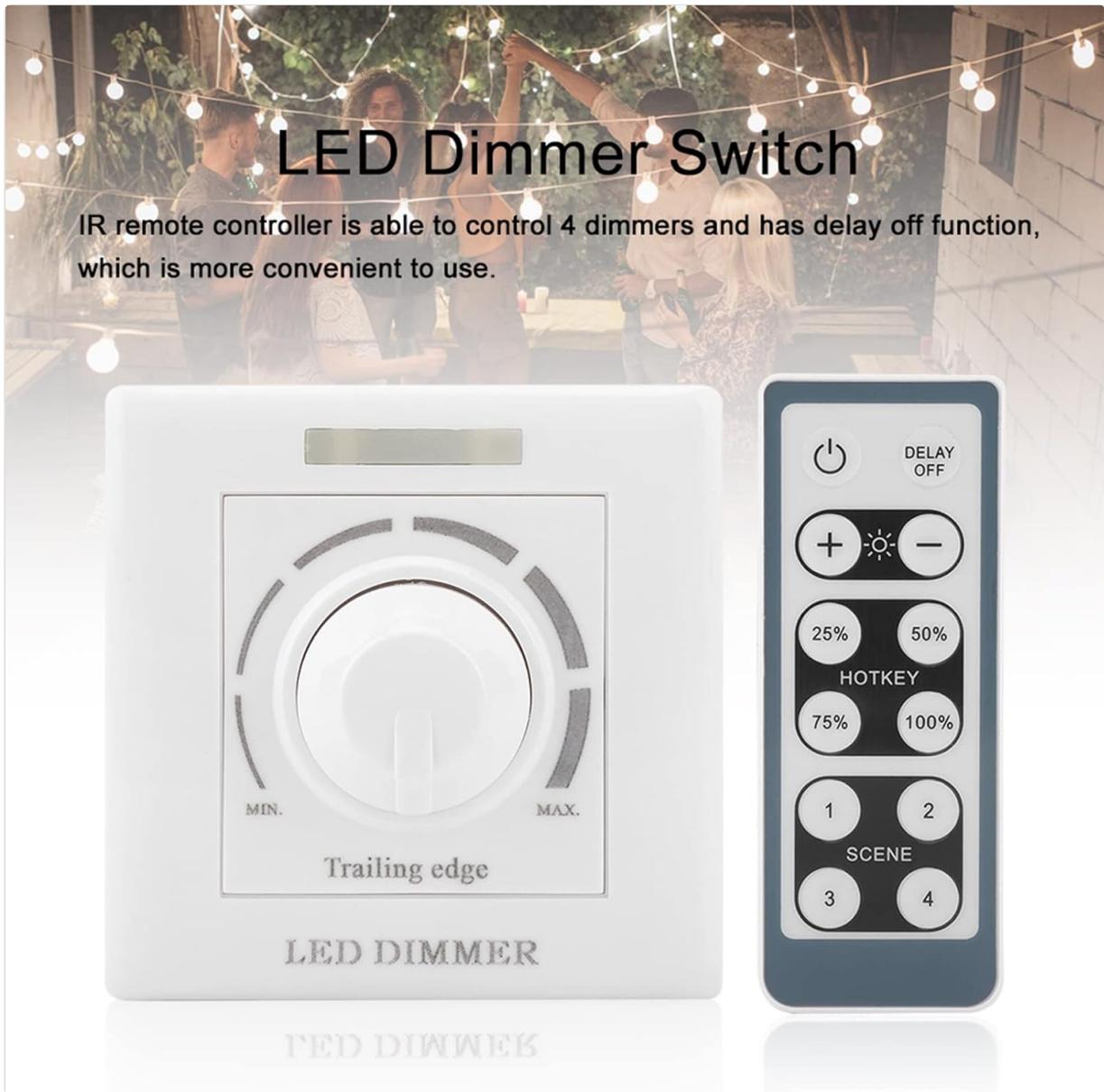


Figure 5: This image shows the Ejoyous LED Dimmer Switch and its remote control in an outdoor setting, demonstrating its use for controlling ambient lighting.

7. MAINTENANCE

The Ejoyous LED Dimmer Switch requires minimal maintenance.

- **Cleaning:** Disconnect power before cleaning. Wipe the surface with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** If the remote control's range decreases or it stops responding, replace the battery (type usually CR2025 or similar, refer to remote for specific type).
- **Inspection:** Periodically inspect the dimmer switch for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.

8. TROUBLESHOOTING

If you encounter problems with your dimmer switch, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Lights do not turn on.	No power to the dimmer. Loose wiring connection. Bulbs are faulty or non-dimmable.	Check circuit breaker. Verify wiring connections (power off first). Replace bulbs or ensure they are dimmable LEDs.
Lights flicker or hum.	Incompatible LED bulbs. Overloaded circuit. Loose wiring.	Ensure bulbs are dimmable LEDs compatible with trailing edge dimmers. Reduce total wattage of connected lights. Check wiring connections (power off first).
Remote control not working.	Dead battery. Obstruction between remote and dimmer. Remote not paired (if applicable).	Replace remote control battery. Ensure clear line of sight to the dimmer's IR receiver. Refer to the remote's specific instructions for pairing if necessary.
Dimmer gets hot.	Overloaded circuit. Poor ventilation.	Reduce total wattage of connected lights. Ensure adequate airflow around the dimmer. If overheating persists, discontinue use and consult an electrician.

9. WARRANTY AND SUPPORT

Ejoyous products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your product or contact your retailer. Keep your purchase receipt as proof of purchase.