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CZJUTAI CZJUTAI JT-EL/FC300V0200

CZJUTAI JT-EL/FC300V0200 LED Power Supply User Manual

Model: JT-EL/FC300V0200

Overview Setup Introduction Operation Safety Instructions Maintenance Product Troubleshooting Specifications Warranty & Support

1. Introduction

Thank you for choosing the CZJUTAI JT-EL/FC300V0200 LED Power Supply. This premium Class 2 transformer is designed to provide reliable and efficient power for your LED lighting applications, including Christmas and string lights. With its IP44 waterproof rating and 8 distinct lighting modes, it is suitable for both indoor and outdoor use. This manual provides essential information for the safe and effective operation of your device.

2. Safety Instructions

Please read all safety instructions carefully before using the product. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Indoor and Outdoor Use:** This power supply is rated IP44 waterproof, making it suitable for both indoor and outdoor environments. However, ensure connections are secure and protected from direct water immersion.
- **Class 2 Transformer:** This device is a Class 2 transformer, designed for safety. Do not attempt to modify or disassemble the unit.
- **Power Requirements:** Ensure the input voltage and current of your LED lights are compatible with the power supply's output (30V, 0.2A, 6W). Exceeding these limits can damage the lights or the power supply.
- **Installation:** Install the power supply in a location that allows for adequate ventilation. Avoid covering the unit.
- **Damage Inspection:** Before each use, inspect the power supply and its cables for any signs of damage. Do not use if damaged.
- **Children and Pets:** Keep the power supply and connected lights out of reach of children and pets.
- **Disconnect Power:** Always disconnect the power supply from the main power source before performing any maintenance or making connections.

3. Product Overview

The CZJUTAI JT-EL/FC300V0200 is a compact and robust LED power supply featuring a multifunction button for mode selection.

Key Features:

- **8 Lighting Modes:** Provides versatile and dynamic lighting options.
- **Class 2 Transformer:** Ensures reliable and safe operation.
- **IP44 Waterproof Rating:** Suitable for indoor and outdoor use in various weather conditions.
- **High Efficiency:** Delivers consistent 30V 0.2A 6W output.
- **Multifunction Button:** Easy control for switching between lighting modes.

Components:

- Power Supply Unit
- Input Power Cable (with plug)
- Output Cable (with Barrel Connector)
- Multifunction Button (integrated on the unit)



Figure 1: CZJUTAI JT-EL/FC300V0200 LED Power Supply. This image shows the compact black power supply unit with its input and output cables, and the integrated multifunction button.

4. Setup

Follow these steps to set up your LED power supply:

1. **Unpack:** Carefully remove the power supply from its packaging and inspect for any damage.
2. **Placement:** Choose a suitable location for the power supply. For outdoor use, ensure it is placed in an area where it will not be submerged in water, despite its IP44 rating. Ensure good air circulation.
3. **Connect LED Lights:** Connect the output barrel connector of the power supply to the corresponding input connector of your LED string lights or other compatible LED devices. Ensure the connection is firm and secure.
4. **Connect to Power Outlet:** Plug the input power cable of the power supply into a standard electrical outlet.
5. **Power On:** Once connected, your LED lights should illuminate.

5. Operation

The CZJUTAI JT-EL/FC300V0200 features a multifunction button to control the lighting modes.

- **Power On/Off:** The unit powers on automatically when plugged into an electrical outlet. To turn off, unplug the unit.
- **Changing Modes:** Press the multifunction button located on the power supply unit to cycle through the 8 available lighting modes. Each press will advance to the next mode.
- **Mode Memory:** The power supply typically remembers the last selected mode when powered off and on again.

Available Lighting Modes:

The 8 modes offer various lighting effects. While specific names may vary, common modes include:

1. Combination
2. In Waves
3. Sequential
4. Slo-Glo
5. Chasing/Flash
6. Slow Fade
7. Twinkle/Flash
8. Steady On

6. Maintenance

Proper maintenance ensures the longevity and safe operation of your power supply.

- **Cleaning:** Disconnect the power supply from the electrical outlet before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use for extended periods, store the power supply in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Regularly check the power cables and connectors for any signs of wear, cuts, or damage. Replace the unit if any damage is found.
- **Water Exposure:** While IP44 rated, avoid prolonged exposure to heavy rain or direct water jets. Ensure the unit is not submerged.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Lights do not turn on.	No power to the outlet. Loose connection. Damaged power supply or lights.	Check if the outlet is working. Ensure all connections are secure. Inspect the power supply and lights for damage. Replace if necessary.
Lights flicker or dim.	Incompatible load. Faulty connection. Power supply issue.	Verify LED light specifications match the power supply (30V, 0.2A, 6W). Check all connections for looseness. If the issue persists, the power supply may be faulty.
Cannot change lighting modes.	Multifunction button malfunction.	Ensure the button is pressed firmly. If unresponsive, the unit may be faulty.

If troubleshooting steps do not resolve the issue, contact customer support.

8. Specifications

Feature	Detail
Model Number	CZJUTAI JT-EL/FC300V0200
Input Voltage	(Standard AC input, typically 100-240V, not explicitly stated but implied for a power supply)
Output Voltage	30V DC
Output Current	0.2A
Output Wattage	6W
Protection Rating	IP44 Waterproof
Transformer Class	Class 2
Number of Modes	8
Connector Type	Barrel Connector
Material	Alloy Steel, Metal
Color	Black
Item Weight	1.76 ounces (approx. 50 grams)
Package Dimensions	3.15 x 1.89 x 1.22 inches

9. Warranty and Support

Warranty Information: Specific warranty details for the CZJUTAI JT-EL/FC300V0200 LED Power Supply are typically provided with the product packaging or can be obtained from the retailer or manufacturer's official website. Please retain your proof of purchase for warranty claims.

Customer Support: For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact the retailer where you purchased the product or visit the official CZJUTAI website for support contact information.

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