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PREMIER ADAPTER 5V2A

PremierAdapter 5V2A Low Voltage LED Driver Instruction Manual

Model: JT-DC050V2000

1. PRODUCT OVERVIEW

The PremierAdapter 5V2A Low Voltage LED Driver (Model JT-DC050V2000) is designed to provide a stable 5V DC power supply for various low-voltage LED devices. This adapter is suitable for applications such as LED string lights, projector lights, Christmas decorations, and other compatible 5V LED products. It features a US/CA plug and is rated IP44 for indoor and outdoor use.



Image 1.1: Front view of the PremierAdapter 5V2A Low Voltage LED Driver, showing the US/CA plug and the output connector.

2. SAFETY INFORMATION

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

- **Voltage Compatibility:** Ensure your LED device requires a 5V DC input. Using this adapter with devices requiring different voltages can cause damage to the device or the adapter.
- **Current Compatibility:** This adapter provides up to 2A. Ensure your device's current requirement does not exceed 2A. If your device requires less than 2A, the adapter will supply only the necessary current.
- **Connector Type:** Verify that the two-pronged spiral interface of this adapter matches your LED device's input connector. Incorrect connections can lead to malfunction or damage.
- **Indoor/Outdoor Use:** The adapter is rated IP44, indicating protection against solid objects larger than 1mm and splashing water from any direction. It is suitable for indoor and outdoor use but should not be submerged in water. Protect it from heavy rain or prolonged exposure to harsh weather conditions.
- **Installation:** Always unplug the adapter from the power outlet before making or breaking connections.
- **Damage:** Do not use the adapter if the cord, plug, or casing is damaged. Contact customer support for assistance.

INDOOR/OUTDOOR USE

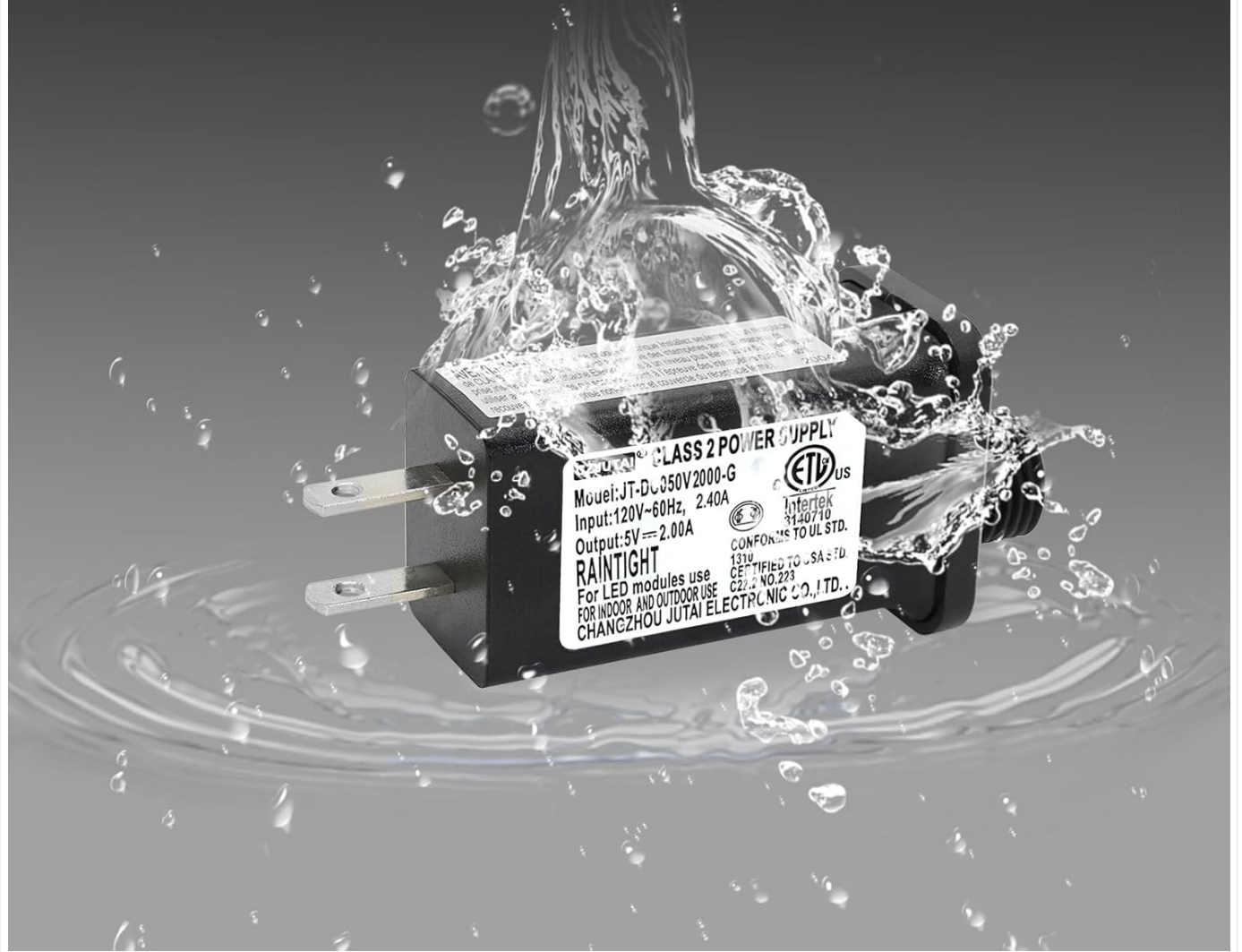


Image 2.1: The adapter demonstrating its IP44 rating, suitable for indoor and outdoor use with protection against splashing water.

3. SETUP INSTRUCTIONS

1. **Verify Compatibility:** Before connecting, carefully check the voltage (5V), current (up to 2A), and the connector type of your LED device to ensure it matches the adapter's specifications. The adapter features a two-pronged spiral interface.
2. **Connect to LED Device:** Align the two-pronged spiral connector of the adapter with the input port of your LED device. Gently push and twist to secure the connection. Ensure it is firmly seated to prevent intermittent power.
3. **Connect to Power Outlet:** Plug the US/CA 2-pin AC plug of the adapter into a standard 120V AC 60Hz wall outlet.
4. **Power On:** Once connected, your LED device should power on.

Interface and connecting cable

The connection port of this product



Two-pronged spiral interface



1.70cm



1. Please Double Check If Our Female Plug Of Adapter Matches With Your Male Plug Of Led Light.
2. Please Carefully Read The Output Voltage, Current, And Wattage, And Check If they Are Suitable For Your LED Lights And Christmas Toys.

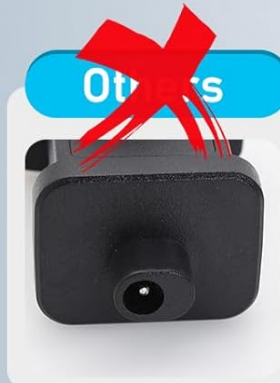
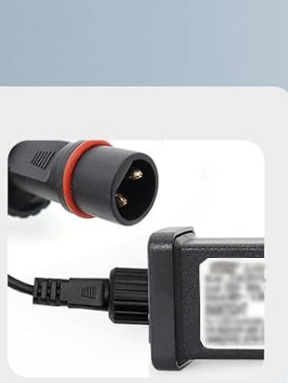


Image 3.1: Detailed view of the adapter's two-pronged spiral output interface and connection cable, highlighting the 1.70cm diameter for compatibility verification.

AC PLUG CONFIGURATE

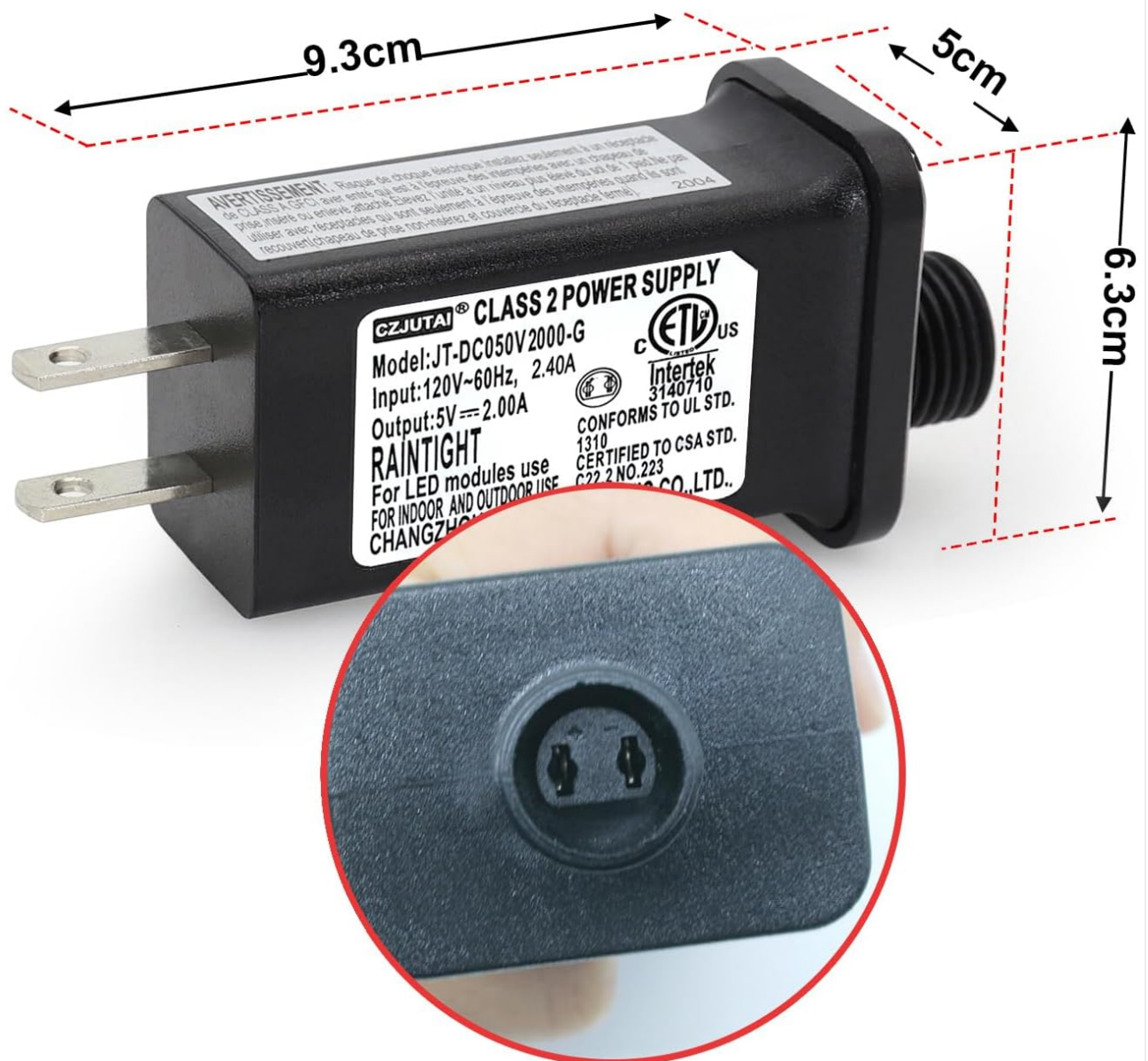


Image 3.2: Diagram showing the AC plug configuration and overall dimensions of the adapter (9.3cm length, 5cm width, 6.3cm height).

4. OPERATING INSTRUCTIONS

This PremierAdapter is designed for straightforward operation, providing a continuous power supply to your compatible LED devices.

- **Steady-On Mode:** The adapter operates in a steady-on mode, meaning it provides a constant power output. It does not feature flashing, fading, or other light modes. The lighting effects are controlled by the connected LED device, if applicable.
- **Applications:** This adapter is suitable for a variety of 5V low-voltage LED devices, including but not limited to:
 - Holiday decoration lights
 - Christmas tree lights
 - LED string lights
 - Lawn lamps
 - Curtain lights

- Fairy lights
- Rope lights
- Projector lights

This adapter is ALSO fully compatible if you have the following models:

With this socket:



CZJUTAI® CLASS 2 POWER SUPPLY
 Model: JT-DC050V1000-C
 Input: 120V~ 60Hz, 0.20A
 Output: 5V=1.0A

VI E200916
 C UL US
 LISTED 30EJ

RAINTIGHT

FOR INDOOR AND OUTDOOR USE
 CHANGZHOU JUTAI ELECTRONIC CO.,LTD.

Product: JT-DC050V2000

Image 4.1: Examples of compatible applications for the adapter, such as laser lights, Christmas tree lights, and lawn lamps.

5. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your PremierAdapter.

- **Cleaning:** Disconnect the adapter from the power outlet before cleaning. Use a dry, soft cloth to wipe the exterior. Do not use liquid cleaners or immerse the adapter in water.
- **Storage:** When not in use, store the adapter in a cool, dry place, away from direct sunlight and extreme temperatures. Coil the cable loosely to prevent damage.
- **Inspection:** Periodically inspect the adapter, cable, and connectors for any signs of wear, damage, or corrosion. If any damage is found, discontinue use and replace the adapter.

6. TROUBLESHOOTING

If you encounter issues with your PremierAdapter, refer to the following troubleshooting steps:

- **No Power to Device:**

- Ensure the adapter is securely plugged into a working wall outlet.
- Verify that the adapter's output connector is firmly and correctly attached to your LED device.
- Check if the LED device itself is functioning correctly by testing it with another compatible power source if available.
- Inspect the adapter's cable for any visible damage.

- **Lights Flickering or Dim:**

- Confirm that your LED device's voltage and current requirements are within the adapter's specifications (5V, up to 2A).
- Ensure the connection between the adapter and the LED device is secure and free from debris.
- If using multiple LED devices, ensure their combined current draw does not exceed 2A.

- **Adapter is Hot:**

- It is normal for power adapters to feel warm during operation. However, if the adapter is excessively hot to the touch or emitting a burning smell, immediately unplug it from the power outlet and discontinue use. This may indicate an overload or internal fault.

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

7. SPECIFICATIONS

PremierAdapter 5V2A LED Driver Specifications

Feature	Detail
Model Number	JT-DC050V2000 (5V2A)
Input Voltage	120V AC, 60Hz
Output Voltage	5V DC
Output Current	2A (Max)
Output Power	10W (Max)
Plug Type	US/CA 2-pin AC Plug
Output Connector	Two-pronged spiral interface
IP Rating	IP44 (Indoor/Outdoor Use)
Dimensions (L x W x H)	3.54 x 1.97 x 1.97 inches (approx. 9.3 x 5 x 5 cm)
Item Weight	1.44 ounces
Certifications	UL, UKCA, CE, ETL Intertek 3140710, Conforms to UL STD. 1310, Certified to CSA STD. C22.2 NO.223
UPC	762716060388



laser light



Christmas LED



Lawn lamp

The product is applicable to many types

Image 7.1: Close-up of the product label showing model number, input/output specifications, and safety certifications.



Image 7.2: Display of product certifications (CE, RoHS) and the 3-Year Warranty assurance.

8. WARRANTY AND SUPPORT

The PremierAdapter 5V2A Low Voltage LED Driver comes with a **3-Year Hassle-Free Replacement Warranty**, ensuring quality and reliability.

For technical support, warranty claims, or any questions regarding the product, please contact PREMIER ADAPTER customer service through your purchase platform or the manufacturer's official contact channels.

Please have your model number (JT-DC050V2000) and purchase information ready when contacting support.

