

easeking 24V4A

Easeking 24V4A LED Power Supply Instruction Manual

Model: 24V4A

1. INTRODUCTION

Thank you for choosing the Easeking 24V4A LED Power Supply. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new power supply. Please read this manual thoroughly before use and retain it for future reference.

This power supply is designed to convert AC household current to a stable 24V DC output, suitable for various low-voltage LED applications such as LED strip lights, LED modules, LED light bars, and security cameras.

2. SAFETY INFORMATION

WARNING: To prevent fire or electric shock, do not expose this appliance to rain or moisture. Do not open the casing. Refer servicing to qualified personnel only.

- Ensure the input voltage (100-240V AC) matches your local power supply before connecting.
- Do not exceed the maximum output wattage of 96W or current of 4A. Overloading can damage the power supply and connected devices.
- This device is designed for indoor use only. Do not expose to water, high humidity, or extreme temperatures.
- Keep out of reach of children.
- Disconnect power before making any connections or disconnections.
- The power supply is UL-Listed, indicating compliance with safety standards.



Image: Product label displaying input/output specifications and safety warnings.

3. PRODUCT OVERVIEW

The Easeking 24V4A LED Power Supply is a compact and reliable constant voltage adapter. It features a standard US plug for AC input and a 5.5 x 2.1mm DC barrel connector for output.



Image: The Easeking 24V4A LED Power Supply with its attached cables.



Image: Top view of the power supply, highlighting the DC output cable.



Image: Side view of the power supply, showing the AC input port.

4. SETUP INSTRUCTIONS

Follow these steps to set up your LED power supply:

1. **Unpack:** Carefully remove the power supply from its packaging. Inspect for any visible damage.
2. **Placement:** Place the power supply in a well-ventilated area, away from direct sunlight, heat sources, and moisture. Ensure there is adequate space for air circulation around the unit.
3. **Connect DC Output:** Connect the DC output cable (with the 5.5 x 2.1mm barrel connector) from the power supply to your 24V LED device (e.g., LED strip controller, dimmer, or directly to the LED device if it has a compatible input). Ensure the connection is secure and the polarity is correct (positive tip).
4. **Connect AC Input:** Plug the AC power cord into a standard 100-240V AC wall outlet.
5. **Power On:** Once all connections are secure, the LED device should power on.



Image: The power supply with both input and output cables connected, ready for use.

5. OPERATING INSTRUCTIONS

The Easeking 24V4A LED Power Supply operates automatically once connected to a power source and a compatible 24V DC device. It provides a constant 24V DC output.

- Ensure the total wattage of your connected LED devices does not exceed 96W.
- If using with LED strip lights, you may need an additional LED controller or dimmer between the power supply and the LED strips to adjust brightness or color.
- The power supply is designed for continuous operation within its specified limits.

6. MAINTENANCE

The Easeking 24V4A LED Power Supply requires minimal maintenance.

- **Cleaning:** Disconnect the power supply from the wall outlet before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Inspection:** Periodically check the power cords and connectors for any signs of damage, fraying, or loose connections. Replace damaged cables immediately.
- **Ventilation:** Ensure that the ventilation openings are not blocked to prevent overheating.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No power to LED device	<ul style="list-style-type: none"> • Power supply not plugged in. • Wall outlet not working. • Loose DC connection. • Faulty LED device. • Overload protection activated. 	<ul style="list-style-type: none"> • Ensure AC cord is securely plugged into a live outlet. • Test the wall outlet with another device. • Check DC barrel connector for secure fit. • Test the LED device with another compatible power source if available. • Disconnect some load to reduce total wattage.
LEDs are dim or flickering	<ul style="list-style-type: none"> • Insufficient power (overload). • Loose connections. • Faulty LED device or wiring. 	<ul style="list-style-type: none"> • Ensure total wattage of connected LEDs does not exceed 96W. • Check all connections for secure fit. • Inspect LED device and wiring for damage.
Power supply feels hot	<ul style="list-style-type: none"> • Normal operation (some heat is expected). • Poor ventilation. • Overload. 	<ul style="list-style-type: none"> • Ensure adequate airflow around the unit. • Reduce connected load if it's excessively hot. • If extremely hot, disconnect immediately and contact support.

8. SPECIFICATIONS

Feature	Specification
Model	24V4A
Input Voltage	100-240V AC, 50/60Hz
Output Voltage	24V DC (Constant Voltage)
Max Output Current	4A
Max Output Wattage	96W
DC Connector Type	5.5 x 2.1mm Barrel Connector (Positive Tip)
Dimensions (L x W x H)	5.5 x 2.55 x 1.4 inches
Weight	14.4 ounces
Cord Length	5 Feet
Certification	UL-Listed
Operating Environment	Indoor Use Only

9. WARRANTY AND SUPPORT

This Easeking LED Power Supply is backed by a two-year warranty from the date of purchase. This

warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions regarding installation or operation, please contact Easeking customer service. Please have your product model number (24V4A) and purchase information ready when contacting support.

Contact Information: Refer to your purchase documentation or the Easeking official website for the most current customer service contact details.