

KFD Q36CU-050003000

KFD 5V AC Adapter for Orasoptic Zeon Endeavour LED Light System - User Manual

Model: Q36CU-050003000

1. PRODUCT OVERVIEW

This KFD 5V AC Adapter is designed to provide reliable power and charging for Orasoptic Zeon Endeavour series portable LED light systems. It is compatible with models such as Zeon Endeavour, Zeon Endeavour TruColor, Zeon Endeavour XL, and Zeon Endeavour TruColor XL. The adapter features multiple safety protections to ensure stable and secure operation.



Image 1.1: KFD 5V AC Adapter in use with an Orasoptic Zeon Endeavour system.

2. SAFETY INFORMATION

For safe operation and to prevent damage to the adapter or connected device, please observe the following safety guidelines:

- Ensure the adapter's input voltage (100-240V) matches your local power supply.
- Do not expose the adapter to water, moisture, or extreme temperatures.
- Avoid dropping or subjecting the adapter to strong impacts.
- Do not attempt to disassemble or modify the adapter.
- Disconnect the adapter from the power outlet when not in use for extended periods.
- Keep out of reach of children.

Built-in Protections:

This adapter incorporates multiple safety features:

- **OVP (Over Voltage Output Protection):** Prevents damage from excessive output voltage.
- **OCP (Over Current Output Protection):** Safeguards against excessive output current.

- **SCP (Short Circuit Output Protection):** Protects against short circuits.
- **Overcharging Prevention:** Manages battery charging to prevent overcharge.
- **Over-Discharge Prevention:** Protects connected devices from excessive discharge.
- **Overheating Prevention:** Monitors and regulates internal temperature.
- **Over-Output Protection:** Ensures stable power delivery.
- **Surge Protection:** Guards against power surges.
- **Short Circuit Prevention:** Additional protection for internal components.

Multiple protection, strict control of charging safety



Overcharging
Prevention



Intelligent current
matching



Overvoltage
Protection



Overcurrent
Protection



Over-Discharge
Prevention



Overheating
Prevention



Over-Output
Protection



Low electromagnetic
interference

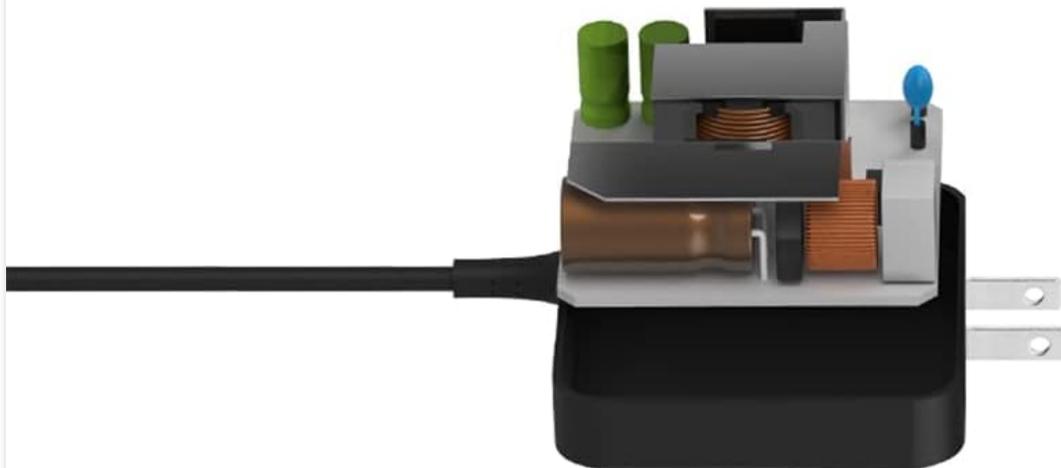


Image 2.1: Overview of the adapter's multiple protection features.

BUILT SAFETY PROTECTIONS

Designed with Safety in mind



Surge protection



Current stabilizer



Temperature control



Short circuit prevention



Image 2.2: Detailed view of the adapter's built-in safety protections.

Certifications:

The KFD 5V AC Adapter is UL, CE, FCC, and RoHS certified, ensuring compliance with safety and environmental standards.

3. PACKAGE CONTENTS

The package includes:

- 1 x KFD 5V AC Adapter (Model: Q36CU-050003000)

4. SETUP

Follow these steps to set up your KFD 5V AC Adapter:

1. **Inspect the Adapter:** Before use, visually inspect the adapter and its cable for any signs of damage. Do not use if damaged.
2. **Connect to Device:** Plug the barrel connector end of the adapter cable into the charging port of your Orascopic Zeon Endeavour LED light system. Ensure a secure connection.
3. **Connect to Power Outlet:** Insert the AC plug of the adapter into a standard wall power outlet (100-240V).

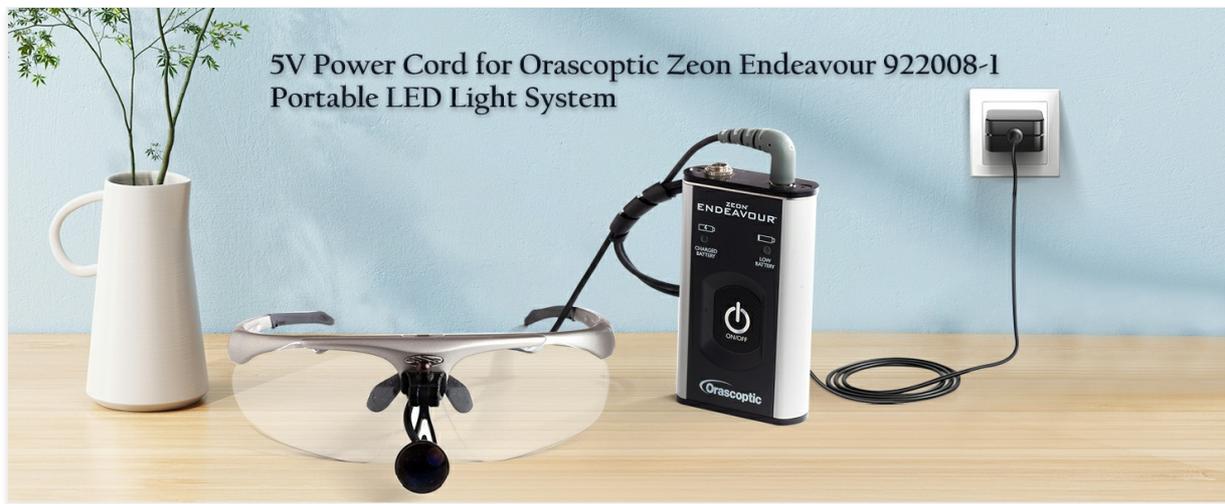


Image 4.1: Proper connection of the KFD AC Adapter to the Orasoptic device and power outlet.

5. OPERATING INSTRUCTIONS

Once the adapter is properly connected, it will begin charging your Orasoptic Zeon Endeavour LED light system. The charging indicator on your device will typically illuminate or change color to indicate charging status. Refer to your Orasoptic device's manual for specific charging indicators.

- The adapter provides a stable 5V output at 3A, suitable for efficient charging.
- Charging time will vary depending on the battery level and model of your Orasoptic device.
- The adapter is designed for continuous use during charging.

6. MAINTENANCE

To ensure the longevity and optimal performance of your KFD 5V AC Adapter:

- **Cleaning:** Disconnect the adapter from the power outlet and device before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid sharp bends or kinks in the cable. Do not wrap the cable too tightly around the adapter.



Image 6.1: The adapter cable features a durable PVC jacket and is designed for flexibility.

7. TROUBLESHOOTING

If you encounter issues with your KFD 5V AC Adapter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not charging	Loose connection, faulty outlet, incompatible device, damaged adapter/cable.	Ensure all connections are secure. Try a different power outlet. Verify device compatibility. Inspect adapter and cable for damage; discontinue use if damaged.
Adapter is hot during use	Normal operation, excessive load, poor ventilation.	Some warmth is normal. Ensure the adapter is not covered and has adequate ventilation. If it becomes excessively hot or emits smoke/odor, disconnect immediately and discontinue use.
Intermittent charging	Loose connection, damaged cable.	Check connections. Inspect cable for damage.

8. SPECIFICATIONS

Technical specifications for the KFD 5V AC Adapter (Model: Q36CU-050003000):

- **Input:** 100-240V AC, 50/60Hz
- **Output:** 5V DC, 3A
- **Wattage:** 15W
- **Connector Type:** Barrel Connector
- **Product Dimensions:** 47mm x 47mm x 29mm (approx. 1.85 x 1.85 x 1.14 inches)
- **Product Weight:** 105g (approx. 3.7 ounces)
- **Color:** Black
- **Certifications:** UL, CE, FCC, RoHS
- **Special Features:** Fast Charging capability, Lightweight design, Short Circuit Protection, Travel-friendly.
- **Compatible Devices:** Orasoptic Zeon Endeavour, Zeon Endeavour TruColor, Zeon Endeavour XL, Zeon Endeavour TruColor XL Portable LED Light System.

Small and convenient to travel

Compact and lightweight design for travel, meetings,
It can be used in various situations such as business trips.



Product size :
47mm*47mm*29mm
Product weight :
105g

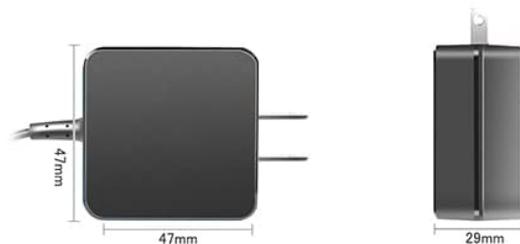


Image 8.1: Physical dimensions and weight of the KFD 5V AC Adapter.

Better and faster cooling

PURE COPPER

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ALUMINUM SHEET

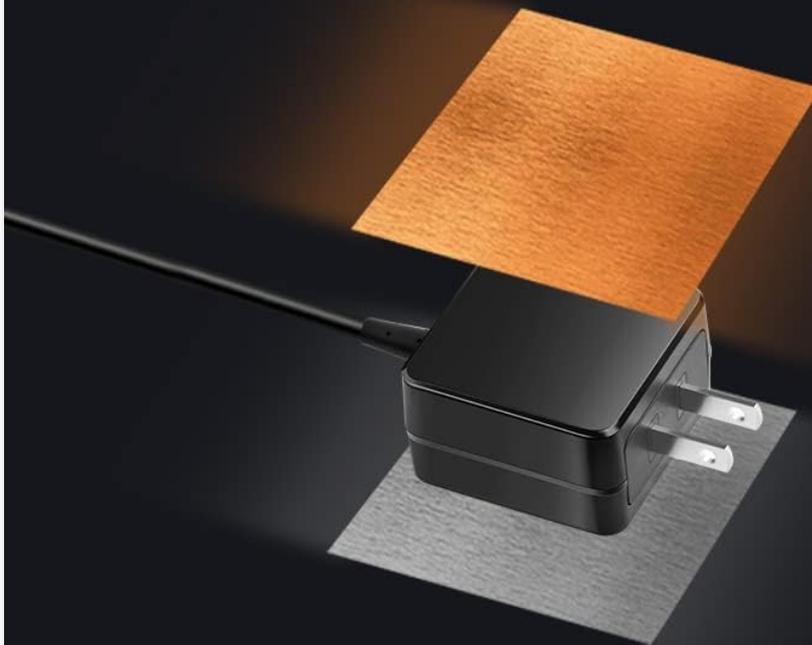


Image 8.2: Internal design for enhanced cooling using pure copper and aluminum.

9. WARRANTY AND SUPPORT

Warranty: This KFD product comes with a 36-month warranty from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

Support: For technical assistance, warranty claims, or any questions regarding your KFD 5V AC Adapter, please contact the seller or KFD customer support through the platform where the product was purchased. Please have your model number (Q36CU-050003000) and purchase details ready when contacting support.