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› UpBright 3.7V AC/DC Adapter Instruction Manual for LUMINAR Work 61777, 61960, 60793 Rechargeable Cordless Spotlight

## UPBRIGHT LUMINAR Work 61777 61960 60793

# UpBright 3.7V AC/DC Adapter Instruction Manual

For LUMINAR Work 61777, 61960, 60793 Rechargeable Cordless Spotlight

## 1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient use of your UpBright 3.7V AC/DC Adapter. This adapter is designed to provide power and charge compatible devices, specifically the LUMINAR Work and Harbor Freight 3 Watt 120 LED Rechargeable Cordless Spotlights (models 61777, 61960, 60793). Please read this manual thoroughly before use and retain it for future reference.

## 2. PRODUCT OVERVIEW

The UpBright 3.7V AC/DC Adapter is a reliable power supply unit featuring a compact design and built-in safety protections. It converts standard AC wall power to the specific DC voltage required by your compatible spotlight.



## PREVENT OVERHEATING

Using pure copper plate to High-speed heat dissipation,  
Reduce heat when charging



Good heat  
Resistance



VO-Grade  
Fire-Retardant



Overvoltage  
Protection



Overheat  
Protection



Overcharge  
Protection



Overcurrent  
Protection

Figure 2.1: Example of a compatible LUMINAR Work Rechargeable Cordless Spotlight.



Figure 2.2: The UpBright 3.7V AC/DC Adapter.

### 3. SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following safety guidelines:

- Use the adapter only with compatible devices as specified in this manual.
- Do not expose the adapter to water, moisture, or extreme temperatures.
- Avoid dropping or subjecting the adapter to strong impacts.
- Do not attempt to open or modify the adapter. Refer all servicing to qualified personnel.
- Ensure the power outlet voltage matches the adapter's input voltage (100-240VAC).
- Unplug the adapter from the power outlet when not in use or during electrical storms.

This adapter features built-in protection mechanisms:

- **OVP (Over Voltage Output Protection):** Protects against excessive output voltage.
- **OCP (Over Current Output Protection):** Guards against excessive output current.
- **SCP (Short Circuit Output Protection):** Prevents damage from short circuits.

# Flexible Wire More Durable

Selected high-quality environmentally friendly TPE material, toughness, anti-aging, not easy to break

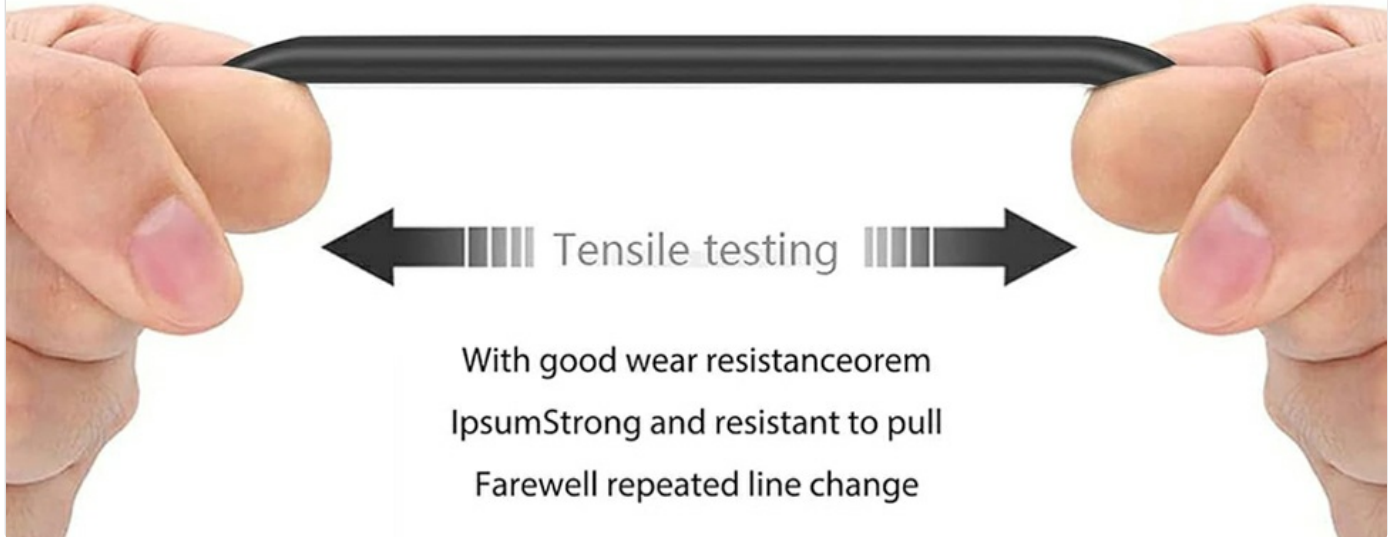


Figure 3.1: Adapter's internal components and safety features, including protection against overheating, overvoltage, and short circuits.

## 4. SETUP

1. **Verify Compatibility:** Ensure your device (LUMINAR Work or Harbor Freight 3W 120 LED Rechargeable Cordless Spotlight) requires a 3.7V DC input and has a compatible barrel connector.
2. **Connect to Device:** Insert the barrel connector of the UpBright AC/DC Adapter firmly into the charging port of your spotlight.
3. **Connect to Power Outlet:** Plug the AC prongs of the adapter into a standard 100-240VAC wall outlet.

The device should begin charging automatically. Refer to your spotlight's manual for specific charging indicators.

## 5. OPERATING INSTRUCTIONS

The UpBright 3.7V AC/DC Adapter operates automatically once connected to a power source and a compatible device. It provides a stable 3.7V DC output for charging.

- **Charging:** When connected, the adapter will supply power to charge the internal battery of your spotlight. Charging times may vary depending on the spotlight's battery capacity and current charge level.
- **Power Supply:** The adapter can also function as a direct power supply if your spotlight supports operation while plugged in.
- **Disconnection:** To disconnect, first unplug the adapter from the wall outlet, then remove the barrel connector from your device.

## 6. MAINTENANCE

Proper care and maintenance will extend the life of your UpBright AC/DC Adapter:

- **Cleaning:** Clean the adapter with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Cable Care:** Avoid bending or crimping the cable excessively. Do not pull the cable to unplug the adapter; always grasp the plug itself.



Figure 6.1: The adapter’s flexible and durable cable is designed for longevity, but proper handling is still recommended.

7. TROUBLESHOOTING

| Problem                        | Possible Cause                   | Solution                                                                                              |
|--------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------|
| Device not charging.           | Adapter not properly plugged in. | Ensure both ends of the adapter are securely connected.                                               |
|                                | Power outlet is not active.      | Test the outlet with another device or try a different outlet.                                        |
|                                | Incompatible device.             | Verify your device requires 3.7V DC and has a compatible connector.                                   |
| Adapter feels warm during use. | Normal operation.                | A slight warmth is normal. If it becomes excessively hot or emits smoke/odor, disconnect immediately. |
| Adapter makes unusual noise.   | Internal fault.                  | Disconnect immediately and cease use. Contact support.                                                |

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

8. SPECIFICATIONS

- **Model:** Compatible with LUMINAR Work 61777, 61960, 60793
- **Input Voltage:** 100-240VAC, 50/60Hz

- **Output Voltage:** 3.7VDC
- **Output Amperage:** 0.81 Amps
- **Output Wattage:** 3 Watts
- **Connector Type:** Barrel Connector
- **Product Dimensions:** 3 x 2 x 1 inches (approximate)
- **Item Weight:** 1.76 ounces (approximate)
- **Special Features:** Over Voltage Protection (OVP), Over Current Protection (OCP), Short Circuit Protection (SCP)

## 9. WARRANTY AND SUPPORT

UpBright products are designed for reliability and performance. This adapter comes with:

- **30 Days Refund Policy:** If you are not satisfied with your purchase, you may be eligible for a refund within 30 days.
- **24 Months Exchange Policy:** In case of product defects or malfunctions, an exchange may be provided within 24 months from the date of purchase.

For warranty claims, technical assistance, or any questions regarding your UpBright AC/DC Adapter, please contact UpBright customer support through your retailer or the official UpBright website.

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#### Question

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#### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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