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> UPBRIGHT 2-Prong 29V 4A AC/DC Adapter User Manual

UPBRIGHT HHC Headrest Lumbar CM310D Power

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Model: HHC Headrest Lumbar CM310D Power

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your UPBRIGHT 2-Prong 29V 4A AC/DC Adapter. Please read this manual thoroughly before using the product and retain it for future reference.

This adapter is designed to provide stable power to compatible devices, including various HHC headrest, lumbar, and control box systems, as well as linear actuators and recliner motors requiring 29V DC power.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury or damage to the product and connected devices:

- **Voltage Compatibility:** Ensure the input voltage of your device matches the adapter's output voltage (29V DC) and current requirements (up to 4A).
- **Connector Type:** This adapter features a 2-prong connector. Verify that your device requires a 2-prong connector. It is *not* compatible with 5-prong connectors.
- **Indoor Use Only:** This adapter is intended for indoor use in dry locations. Do not expose to water, moisture, or extreme temperatures.
- **Proper Ventilation:** Do not cover the adapter during operation. Ensure adequate airflow to prevent overheating.
- **Cable Integrity:** Regularly inspect the power cord for damage. Do not use if the cord is frayed or damaged.
- **Unplug When Not in Use:** Disconnect the adapter from the power outlet when not in use for extended periods.
- **Children and Pets:** Keep the adapter and its cables out of reach of children and pets.

3. COMPATIBILITY

This UPBRIGHT AC/DC adapter is compatible with various devices requiring a 29V DC power supply with a 2-prong connector and current draw up to 4 Amperes. Known compatible models include:

- HHC Headrest Lumbar CUP&LED Base CM310D
- HHC CM3100 L06-19904750081 Control Box
- HHC Linear Actuator Model LMD12517 (e.g., LMD12517SW)

- HHC Linear Actuator LMD40420 Recliner Lumbar Headrest Motor

Note: Always verify the voltage, amperage, and connector type requirements of your specific device before connecting this adapter. This adapter is designed for 2-prong connectors only.

4. SETUP AND CONNECTION

Follow these steps to properly connect your AC/DC adapter:

1. **Inspect the Adapter:** Before connecting, visually inspect the adapter and its cables for any signs of damage. Do not use if damaged.
2. **Connect to Device:** Plug the 2-prong DC output connector of the adapter into the corresponding power input port on your HHC device (e.g., control box, motor). Ensure a secure fit.
3. **Connect to Power Outlet:** Plug the AC input cable into the adapter's AC input port, then plug the 2-prong AC plug into a standard 100-240VAC 50/60Hz wall outlet.
4. **Verify Operation:** Once connected, your device should receive power. Observe any indicator lights on your device or the adapter (if present) to confirm power delivery.



Figure 1: Top view of the UPBRIGHT 2-Prong 29V 4A AC/DC Adapter, showing the main unit with specifications label and connected output cable, alongside the detachable AC input power cord.



Figure 2: Side view of the UPBRIGHT 2-Prong 29V 4A AC/DC Adapter, illustrating its compact design and the connection points for the AC input and DC output cables.

5. OPERATING INSTRUCTIONS

Once the adapter is correctly connected to both the power outlet and your device, it will supply continuous DC power. The adapter operates automatically and does not require user intervention during normal use.

- **Power Delivery:** The adapter converts standard AC wall power (100-240V) to a stable 29V DC output, suitable for your compatible device.
- **Protection Features:** This adapter includes Over Voltage Protection (OVP), Over Current Protection (OCP), and Short Circuit Protection (SCP) to safeguard both the adapter and your connected equipment.
- **Indicator Light:** Some units may feature an LED indicator light to show when the adapter is receiving power. Refer to your specific adapter model for this feature.

6. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your adapter, follow these maintenance guidelines:

- **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:** When not in use, store the adapter in a cool, dry place, away from direct sunlight and extreme temperatures. Avoid tightly coiling the cables to prevent damage.
- **Cable Management:** Do not place heavy objects on the cables or bend them sharply. This can damage the internal wires.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Device not powering on.	◦ Adapter not plugged in. ◦ Loose connection. ◦ Power outlet not working. ◦ Incompatible device. ◦ Damaged adapter or cable.	◦ Ensure adapter is fully plugged into wall outlet and device. ◦ Check all connections for tightness. ◦ Test the outlet with another device. ◦ Verify device voltage, amperage, and connector type match adapter specifications. ◦ Inspect adapter and cables for visible damage. If damaged, discontinue use and replace.
Adapter feels hot.	◦ Normal operation (slight warmth). ◦ Poor ventilation. ◦ Overload (device drawing too much current).	◦ A slight warmth is normal. ◦ Ensure adapter is in an open area with good airflow. ◦ Verify device current draw does not exceed 4A. If it does, the adapter may be overloaded.
Intermittent power.	◦ Loose connection. ◦ Damaged cable.	◦ Check all connections. ◦ Inspect cables for damage. Replace if necessary.

8. SPECIFICATIONS

Technical specifications for the UPBRIGHT 2-Prong 29V 4A AC/DC Adapter:

- **Model:** HHC Headrest Lumbar CM310D Power
- **Input Voltage:** 100-240VAC, 50/60Hz
- **Output Voltage:** 29V DC
- **Output Current:** 4A (Maximum)
- **Connector Type:** 2-Prong (DC Output)
- **Protection Features:** Over Voltage Protection (OVP), Over Current Protection (OCP), Short Circuit Protection (SCP)
- **Color:** Black
- **Item Weight:** Approximately 10 ounces (283 grams)



Figure 3: Top view of the UPBRIGHT 2-Prong 29V 4A AC/DC Adapter, highlighting the ribbed design for heat dissipation and the attached output cable.



Figure 4: View of the UPBRIGHT 2-Prong 29V 4A AC/DC Adapter, showing the label with detailed electrical specifications and the detachable AC input power cord.

9. WARRANTY AND SUPPORT

This UPBRIGHT product is tested and certified to work properly. It comes with a 30-day refund policy and a 24-month exchange warranty from the date of purchase.

For technical support or warranty claims, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.

For more information about UPBRIGHT products, you may visit the [UPBRIGHT Store on Amazon](#).

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Question

Example: How do I reset this device or fix this error?

Details

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

Submit question