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› UPBRIGHT 12V AC/DC Adapter Instruction Manual

UPBRIGHT Xfinity XB7-T Gigabit WiFi Router Power

UPBRIGHT 12V AC/DC Adapter Instruction Manual

Model: Xfinity XB7-T Gigabit WiFi Router Power Adapter

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your UPBRIGHT 12V 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 12V DC power for compatible devices, such as the Xfinity XB7-T XB7T PN: CGM4331COM Comcast Gigabit WiFi Modem Router.

2. IMPORTANT SAFETY INSTRUCTIONS

- **Read all instructions:** Before using the adapter, read all safety and operating instructions.
- **Retain instructions:** Keep these instructions for future reference.
- **Heed warnings:** Observe all warnings on the product and in the operating instructions.
- **Follow instructions:** Follow all operating and use instructions.
- **Power Sources:** Use only with the specified voltage and current ratings. This adapter is designed for 100-240VAC input.
- **Ventilation:** Do not block ventilation openings. Ensure proper airflow around the adapter.
- **Water and Moisture:** Do not use this product near water or in excessively humid environments.
- **Cleaning:** Unplug the adapter from the wall outlet before cleaning. Use a dry cloth for cleaning.
- **Attachments:** Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- **Overloading:** Do not overload wall outlets or extension cords as this can result in a risk of fire or electric shock.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Damage Requiring Service:** Unplug the product from the wall outlet and refer servicing to qualified service personnel under the following conditions: when the power supply cord or plug is damaged; if liquid has been spilled or objects have fallen into the product; if the product has been exposed to rain or water; if the product does not operate normally; or if the product has been dropped or damaged.

3. PRODUCT OVERVIEW

The UPBRIGHT 12V AC/DC Adapter is a reliable power supply unit designed for various electronic devices requiring 12V DC input. It features built-in safety protections to ensure stable and secure operation.



Figure 3.1: Front view of the UPBRIGHT 12V AC/DC Adapter, showing the main adapter unit, detachable AC power cord, and the DC output cable with a barrel connector. The adapter label indicates model ADE020, input 100-240V, and output 12V 4.6A.



With Pin inside



Without Pin inside



Small Tip

THIS PRODUCT COMES WITH A UPBRIGHT®

LIMITED WARRANTY CERTIFICATE
+ UpBright® LIMITED WARRANTY

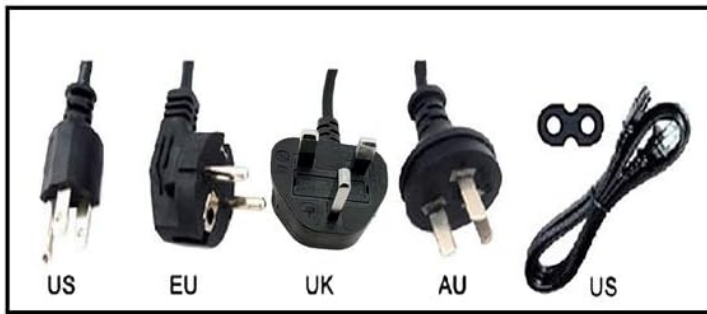


Figure 3.2: Illustration of compatible and incompatible DC barrel connectors. The adapter uses a barrel connector with a center pin (indicated by a green checkmark). Connectors without a center pin or with a small tip are incompatible (indicated by red crosses).



Figure 3.3: Top-down view of the UPBRIGHT 12V AC/DC Adapter, displaying the textured surface of the main unit, the coiled DC output cable, and the attached AC power cord.

Come With A Suitable AC Power Cord (Only One)
to Fit Your Country/Area



THIS PRODUCT COMES WITH A UPBRIGHT®

LIMITED WARRANTY CERTIFICATE
+ UPBRIGHT® LIMITED WARRANTY



Figure 3.4: Examples of different AC power cord plug types (US, EU, UK, AU) that may be supplied with the adapter to suit various country/area electrical outlets.



Figure 3.5: The UPBRIGHT 12V AC/DC Adapter demonstrating its detachable DC extension cable, allowing for increased reach or specific connection needs.

4. SETUP

1. **Verify Compatibility:** Ensure your device requires a 12V DC input and that its power port is compatible with the adapter's barrel connector (with a center pin). Refer to your device's manual for power specifications.
2. **Connect DC Output:** Plug the barrel connector of the adapter's DC output cable into the power input port of your device (e.g., Xfinity XB7-T modem/router). Ensure a firm and secure connection.
3. **Connect AC Power Cord:** Attach the appropriate AC power cord (US, EU, UK, AU, etc., as provided) to the adapter's AC input port.
4. **Plug into Wall Outlet:** Insert the AC power cord's plug into a standard wall electrical outlet (100-240VAC, 50/60Hz).
5. **Power On Device:** Once the adapter is connected and powered, you can power on your device.

5. OPERATING INSTRUCTIONS

The UPBRIGHT 12V AC/DC Adapter operates automatically once connected to a power source and a compatible device. It provides a stable 12V DC output.

- **Continuous Operation:** The adapter is designed for continuous operation within its specified limits.
- **Temperature:** The adapter may become warm during operation. This is normal. Ensure it is placed in a well-ventilated area to prevent overheating.
- **Protection Features:** The adapter includes Over Voltage Protection (OVP), Over Current Protection (OCP), and Short Circuit Protection (SCP) to safeguard both the adapter and your connected device. In case of a fault, the adapter may temporarily cease operation to protect itself and the device. Disconnect and reconnect to reset.

6. MAINTENANCE

The UPBRIGHT 12V AC/DC Adapter requires minimal maintenance.

- **Cleaning:** Periodically clean the exterior of the adapter with a soft, dry cloth. Do not use liquid cleaners or aerosol cleaners. Ensure the adapter is unplugged from the power outlet before cleaning.
- **Storage:** When not in use for extended periods, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Regularly inspect the power cord and DC output cable for any signs of damage, such as fraying, cuts, or kinks. If damage is found, discontinue use and replace the adapter.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device not powering on.	Adapter not receiving power. DC connector not fully inserted. Incompatible device. Adapter or device fault.	Check wall outlet and AC power cord connection. Ensure DC barrel connector is fully and correctly inserted into the device. Verify device power requirements (12V DC, correct amperage, and connector type). Test with another compatible device/adapter if possible.
Adapter feels excessively hot.	Poor ventilation. Overload (device drawing too much current). Internal fault.	Ensure adapter is in a well-ventilated area, not covered. Verify device current draw does not exceed 4.6A. Discontinue use and contact support if overheating persists without clear cause.
Intermittent power to device.	Loose connection. Damaged cable.	Check all connections (AC and DC) for tightness. Inspect cables for damage. Replace if damaged.

8. SPECIFICATIONS

Feature	Detail
Model Number	Xfinity XB7-T Gigabit WiFi Router Power (ADK002 / ADE020, PN: AE2008AH07UBA)
Input Voltage	100-240VAC, 50/60Hz
Output Voltage	12.0V DC
Output Current	4.6A (4600mA)
Power Output	55.2W (12V * 4.6A)
Connector Type	Barrel Round Connector (with center pin)
Safety Features	OVP (Over Voltage Protection), OCP (Over Current Protection), SCP (Short Circuit Protection)
Certifications	UL Listed, CECCROHS
Product Dimensions	Approximately 6 x 4 x 2 inches
Item Weight	Approximately 10 ounces

9. WARRANTY INFORMATION

This product comes with a UPBRIGHT Limited Warranty. Please refer to the warranty certificate included with your product for specific terms and conditions.

- **Refund Period:** 30 days refund.

- **Exchange Period:** 24 months exchange.



Figure 9.1: Representation of the UPBRIGHT Limited Warranty Certificate and product warranty seal, indicating the product's coverage.

10. SUPPORT AND CONTACT INFORMATION

For technical support, warranty claims, or any inquiries regarding your UPBRIGHT product, please contact the manufacturer directly.

Manufacturer: UpBright

For further assistance, you may visit the [UPBRIGHT Store on Amazon](#).

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Details

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

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