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› UPBRIGHT 6V AC/DC Power Adapter User Manual for Realistic Radio Shack DX-390 and Compatible Devices

UPBRIGHT 6V AC/DC Adapter

UPBRIGHT 6V AC/DC Power Adapter User Manual

Model: 6V AC/DC Adapter

Brand: UPBRIGHT

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your UPBRIGHT 6V AC/DC Power Adapter. This adapter is designed to provide reliable power to a range of compatible electronic devices requiring a 6V DC input. Please read this manual thoroughly before use and retain it for future reference.

2. PACKAGE CONTENTS

- 1 x UPBRIGHT 6V AC/DC Power Adapter

Note: Depending on your region or order, a suitable international outlet adapter (e.g., AU, EU, UK) may be included.

3. PRODUCT OVERVIEW

The UPBRIGHT 6V AC/DC Power Adapter converts standard AC wall power to 6V DC power, suitable for various electronic devices. It features a barrel connector for device connection.



Figure 3.1: Front view of the UPBRIGHT 6V AC/DC Power Adapter with its attached cable and barrel connector.

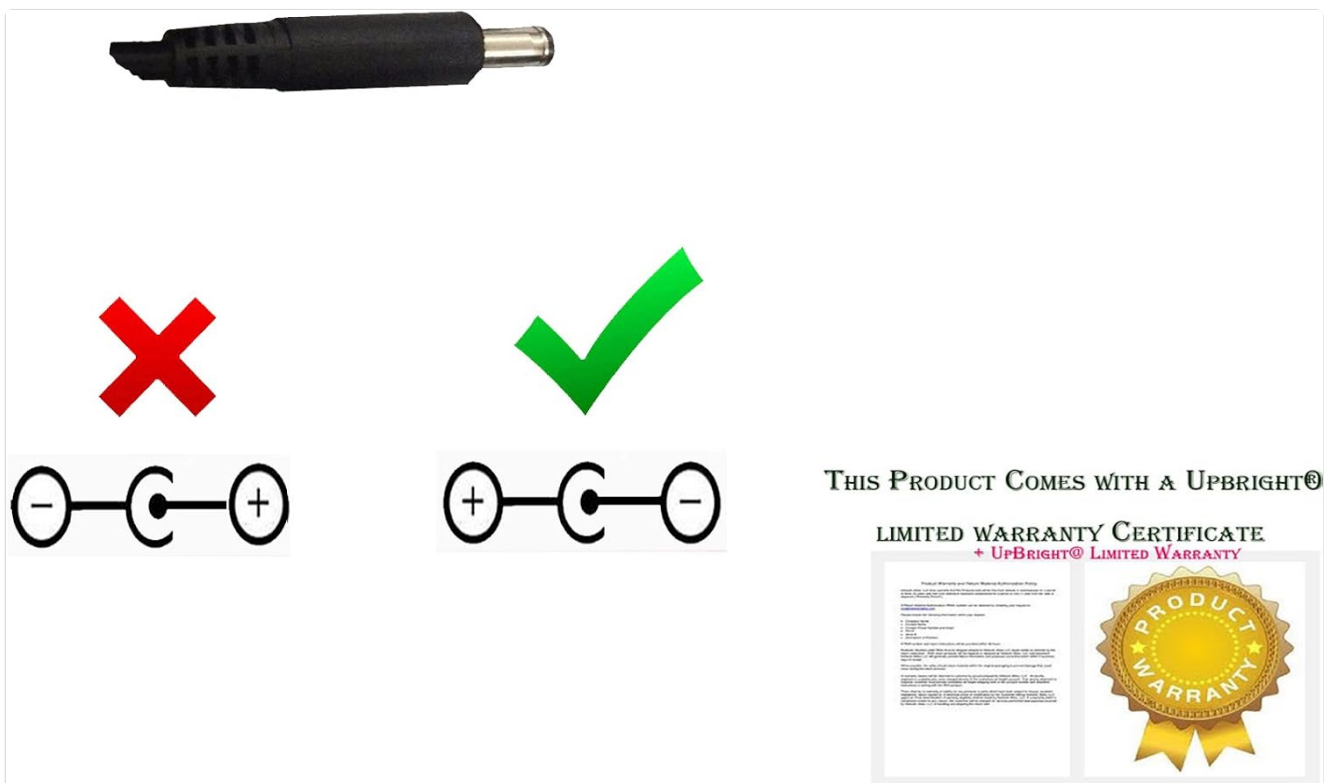


Figure 3.2: Detailed view of the barrel connector tip, which connects to your electronic device.

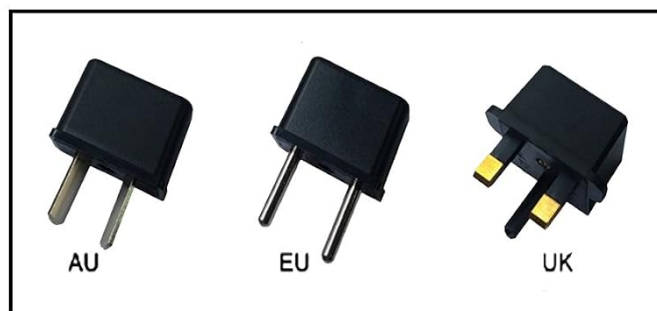


Figure 3.3: Polarity diagram indicating a center negative (-) configuration. The tip of the plug is negative, and the outer barrel is positive. Always verify your device's required polarity before connecting.



Figure 3.4: Illustration showing different barrel connector types. This adapter features a standard barrel connector without a central pin, suitable for devices requiring this specific type.

Come With A Suitable Outlet Adapter (Only One) to Fit Your Country/Area For International Order



THIS PRODUCT COMES WITH A UPBRIGHT®

LIMITED WARRANTY CERTIFICATE
+ UPBRIGHT® LIMITED WARRANTY



Figure 3.5: Examples of international outlet adapters (AU, EU, UK) that may be included for global compatibility.

4. SETUP

1. **Verify Device Compatibility:** Ensure your device requires a 6V DC input and matches the adapter's barrel connector type and polarity. This adapter is **center negative** (tip is negative, outer barrel is positive). Connecting with incorrect polarity can damage your device.
2. **Connect to Device:** Insert the barrel connector firmly into your device's power input port.
3. **Connect to Power Outlet:** Plug the AC adapter into a standard 100-240VAC 50/60Hz wall outlet. If using an international adapter, attach it to the AC adapter first, then plug into the wall.
4. **Power On Device:** Once connected, power on your device.

Important Polarity Warning: Many devices, especially older radios like the Grundig Satellit 750, require a **center negative** power supply. Using an adapter with incorrect polarity (e.g., center positive) can cause severe damage to your device. Always check the polarity symbol on your device and the adapter before connecting. A digital voltmeter can be used to verify the adapter's polarity before connecting to your device.

5. OPERATING INSTRUCTIONS

Once properly connected, the adapter will supply continuous 6V DC power to your device. No further user interaction is required for basic operation. Ensure the adapter is placed in a well-ventilated area and not covered to prevent overheating.

6. COMPATIBILITY

This UPBRIGHT 6V AC/DC Power Adapter is compatible with a wide range of devices requiring 6V DC input and matching connector specifications. Known compatible models include, but are not limited to:

- **Realistic Radio Shack:** DX-390 AM/FM, Concertmate 350, 300 (Cat No 42-4003, 42-4008), 200 (42-4001), Vintage Voice DX-360 (20-208) Shortwave Radio Receiver

- **Grundig:** Satellit 750 Field, 550 AM/FM
- **Sangean:** ATS505, ATS-505P, ATS-808, ATS-808A, ATS-818ACS, ATS-818, ATS-818CS, RCR-5, RCR-5BK, PT-10, PT-50, PT-80, PT-633, PR-D6, PRD6, PR-D6WH
- **Other:** Doran Scale Inc DS4100 Digital Baby PET, Thomson Model No.: 5-4189 (54189), NTS 35D-6-300 (35D-6300)
- **Part Numbers:** A30640-C, HK41U-6-400, HK41U6-400, HK41U-6400, HK41U6400

Always verify the voltage, amperage, connector type, and polarity requirements of your specific device before use.

7. SAFETY INFORMATION

To ensure safe operation and prolong the life of your adapter and connected devices, observe the following safety guidelines:

- **Input Voltage:** This adapter is designed for World Wide Input Voltage 100-240VAC 50/60Hz.
- **Protection Features:** The adapter includes OVP (Over Voltage output Protection), OCP (Over Current output Protection), and SCP (Short Circuit output Protection) to safeguard your devices.
- **Environment:** Use in a dry, indoor environment. Avoid exposure to moisture, extreme temperatures, or direct sunlight.
- **Ventilation:** Do not cover the adapter during use. Ensure adequate airflow to prevent overheating.
- **Handling:** Do not drop, disassemble, or attempt to repair the adapter. Refer servicing to qualified personnel.
- **Cable Care:** Avoid bending, twisting, or pinching the power cord. Do not place heavy objects on the cord.
- **Unplugging:** Always grasp the plug, not the cord, when unplugging from the wall outlet.

8. TROUBLESHOOTING

- **Device Not Powering On:**
 - Ensure the adapter is securely plugged into both the wall outlet and the device.
 - Verify the wall outlet is functional by testing with another appliance.
 - Confirm the device's power requirements (voltage, amperage, polarity) match the adapter's specifications. Incorrect polarity is a common cause of non-functionality or damage.
 - Check the adapter cable for any visible damage.
- **Hum or Noise in Audio Devices:**
 - Some power adapters can introduce electrical noise into sensitive audio equipment. If you experience hum or noise, try plugging the adapter into a different outlet or a power strip with surge protection and noise filtering.
 - Ensure the adapter is not placed too close to other electronic devices that might cause interference.
 - If the issue persists, the adapter may not be suitable for highly sensitive audio applications.
- **Adapter Overheating:**
 - Unplug the adapter immediately.
 - Ensure it is not covered and has adequate ventilation.
 - Verify the connected device is not drawing more current than the adapter's maximum output (1A).

9. SPECIFICATIONS

Feature	Specification
Input Voltage	100-240VAC, 50/60Hz
Output Voltage	6V DC
Output Amperage	0.3A - 1A (300mA - 1000mA)
Polarity	Center Negative (-)
Connector Type	Barrel Connector (without pin inside)
Protection Features	OVP, OCP, SCP
Product Dimensions	3 x 3 x 1 inches
Item Weight	2.11 ounces

10. WARRANTY AND SUPPORT

UPBRIGHT products are tested units and are designed for reliable performance.

- **Refund Policy:** 30 days refund period from the date of purchase.
- **Exchange Policy:** 24 months exchange period for defective units.

For warranty claims or technical support, please refer to the contact information provided with your purchase or visit the official UPBRIGHT website.

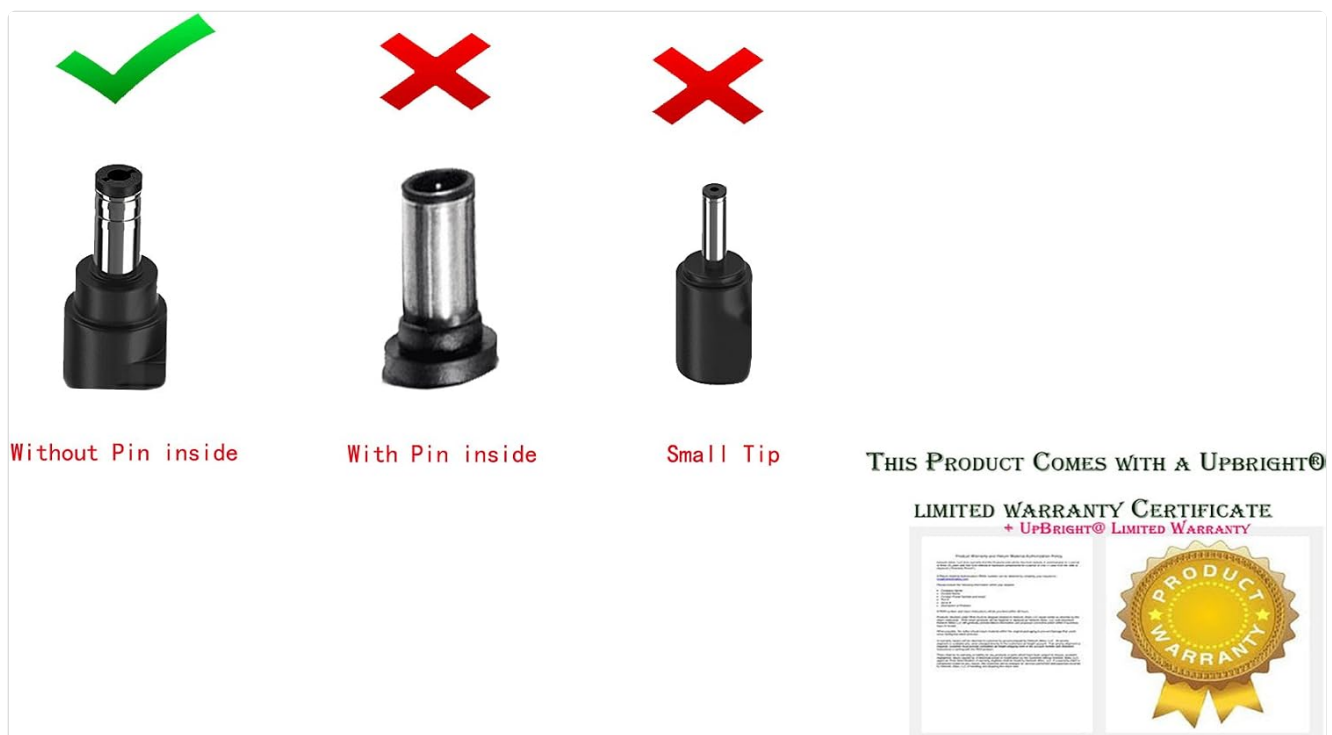


Figure 10.1: This image illustrates the UPBRIGHT Limited Warranty Certificate, which details the terms of the product warranty. It also shows the polarity diagram for reference.

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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.

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