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### ProTechTrader POW9v-500

# ProTechTrader 9V AC/DC Power Supply Adapter (Model POW9v-500) Instruction Manual

## 1. INTRODUCTION

The ProTechTrader 9V AC/DC Power Supply Adapter (Model POW9v-500) is designed to convert standard AC wall power to 9-volt DC power for compatible electronic devices. This adapter provides a maximum current of 0.5 amps (500mA) and features a 5.5mm x 2.1mm DC barrel jack with center positive polarity. It is UL 60950-1 Certified and ROHS Compliant, ensuring safety and environmental standards.

This manual provides essential information for the safe and effective use of your power supply adapter. Please read it thoroughly before operation.



Image 1: ProTechTrader 9V AC/DC Power Supply Adapter with its power cord and barrel connector.

## 2. SAFETY INFORMATION

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To ensure safe operation and prevent damage to the adapter or connected devices, observe the following safety precautions:

- Read all instructions before using the adapter.
- Always verify your device's power requirements (voltage, current, tip size, and polarity) match the adapter's specifications before connecting. Incompatible connections can damage your device.
- Do not expose the adapter to water, rain, or excessive moisture. Use only in dry, indoor environments.
- Do not disassemble, modify, or attempt to repair the adapter. Refer all servicing to qualified personnel.
- Avoid placing the adapter in areas with poor ventilation or near heat sources.
- Keep the adapter and its cord out of reach of children and pets.
- If the adapter or cord appears damaged, discontinue use immediately.

## 3. SETUP

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1. **Verify Device Compatibility:** Before connecting, ensure your electronic device requires a 9V DC input, draws no more than 0.5 amps (500mA), and uses a 5.5mm x 2.1mm DC barrel jack with center positive polarity. This adapter is not suitable for devices requiring center negative polarity, such as some musical equipment.

2. **Connect to Device:** Insert the DC barrel jack of the adapter firmly into the power input port of your electronic device.
3. **Connect to Power Outlet:** Plug the AC prongs of the adapter into a standard 110V-220V AC wall outlet.



Image 2: Close-up view of the adapter's 5.5mm x 2.1mm DC barrel connector tip.

#### 4. OPERATING INSTRUCTIONS

Once the adapter is securely connected to a compatible device and a functional power outlet, it will automatically begin supplying power to your device. No additional steps are required for operation.

The adapter is designed for continuous use with compatible devices within its specified power limits. Ensure the device's power consumption does not exceed 0.5 amps (500mA) to prevent overheating or damage.

#### 5. MAINTENANCE

- **Cleaning:** Disconnect the adapter from the power outlet and the device before cleaning. Use a dry, soft cloth to wipe the exterior. Do not use liquid cleaners, abrasive materials, or solvents.
- **Storage:** Store the adapter in a cool, dry place when not in use. Avoid wrapping the cord too tightly around the adapter body, as this can cause stress and damage to the cable over time.

- **Inspection:** Periodically inspect the adapter and its cable for any signs of physical damage, such as frayed wires, cuts, or cracked casing. If any damage is observed, discontinue use immediately and replace the adapter.

## 6. TROUBLESHOOTING

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- **Device Not Powering On:**
  - Ensure the adapter is securely plugged into both the wall outlet and the device.
  - Verify that the wall outlet is functional by testing it with another appliance.
  - Double-check that your device's power requirements (voltage, amperage, tip size, and polarity) precisely match the adapter's specifications. Incompatibility is a common cause of non-functionality.
  - If the device still does not power on, the device itself may have an issue or the adapter may be faulty. Test the adapter with another compatible device if possible.
- **Adapter Feels Warm:** It is normal for the adapter to feel slightly warm during operation. If it becomes excessively hot to the touch, disconnect it immediately and discontinue use. This could indicate an overload or internal fault.
- **Loose Connection:** Ensure the DC barrel jack is fully inserted into your device's power port. A loose connection can prevent proper power delivery.

## 7. SPECIFICATIONS

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Image 3: Product label displaying model number and electrical specifications.

Feature	Specification
Model Number	POW9v-500

Feature	Specification
Input Voltage	110V - 220V AC
Output Voltage	9V DC
Max Output Current	0.5 Amps (500mA)
DC Tip Size	5.5mm Outer Diameter x 2.1mm Inner Diameter
Polarity	Center Positive (+)
Wire Length	3.5 ft (42 inches)
Certifications	UL 60950-1 Certified, ROHS Compliant
Product Dimensions	3 x 2 x 1 inches
Item Weight	1.27 ounces

## 8. WARRANTY AND SUPPORT

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This product is manufactured by ProTechTrader. For support, inquiries, or information regarding warranty terms, please refer to the contact information provided with your purchase or visit the official ProTechTrader website. ProTechTrader is committed to providing direct and personal assistance to its customers.

For further assistance, please visit: [ProTechTrader Store on Amazon](#)