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> Kircuit 12V AC/DC Adapter User Manual

Kircuit PVS21090, PVS21090W (compatible)

Kircuit 12V AC/DC Adapter User Manual

FOR AUDIOVOX PVS21090 & PVS21090W SDTV TV

1. Introduction

This manual provides essential information for the safe and effective use of your new Kircuit 12V AC/DC Adapter. This adapter is designed to provide reliable power to compatible devices, specifically the Audiovox 9" LCD PVS21090 and PVS21090W SDTV TV models. Please read this manual thoroughly before use and retain it for future reference.

2. Important Safety Information

- **Indoor Use Only:** This adapter is designed for indoor use. Do not expose it to rain, moisture, or extreme temperatures.
- **Proper Ventilation:** Ensure the adapter is placed in a well-ventilated area. Do not cover it or place it near heat sources.
- **Voltage Compatibility:** Only connect the adapter to power outlets within the specified input voltage range (100V-240V AC).
- **Avoid Water:** Do not immerse the adapter in water or any other liquid. Avoid using it with wet hands.
- **Unplug When Not in Use:** Disconnect the adapter from the power outlet when not in use for extended periods or during electrical storms.
- **Handle Cords Carefully:** Do not pull, twist, or bend the power cords excessively. Avoid placing heavy objects on the cords.
- **No User Serviceable Parts:** Do not attempt to open or repair the adapter. Refer all servicing to qualified personnel.

3. Package Contents

Verify that all items are present in your package:

- Kircuit 12V AC/DC Adapter Unit
- AC Input Power Cord

4. Product Overview

The Kircuit 12V AC/DC Adapter consists of a main power brick and two detachable cables: an AC input cord and a DC output cord. The main unit converts alternating current (AC) from your wall outlet to direct current (DC) required by your device.



Figure 4.1: The Kircuit 12V AC/DC Adapter, showing the main adapter unit, the AC input cord (for wall outlet connection), and the DC output cord (for device connection).



Figure 4.2: Detailed view of the adapter unit, highlighting its dimensions and the anti-interference magnetic ring on the DC output cable, which enhances system reliability.

- **Adapter Unit:** The central component that performs the AC to DC conversion. It features an input port for the AC cord and an attached DC output cord.
- **AC Input Power Cord:** Connects the adapter unit to a standard electrical wall outlet.
- **DC Output Power Cord:** Permanently attached to the adapter unit, this cord terminates in a barrel connector designed to fit your compatible Audiovox device. It includes an anti-interference magnetic ring for stable operation.

5. Setup Instructions

Follow these steps to properly set up your Kircuit 12V AC/DC Adapter:

1. **Connect AC Input Cord:** Take the AC input power cord and firmly plug its C7 connector (the figure-8 shaped end) into the corresponding input port on the Kircuit adapter unit.
2. **Connect to Device:** Take the DC output cord, which is permanently attached to the adapter unit, and carefully insert its barrel connector into the DC input jack of your Audiovox PVS21090 or PVS21090W SDTV TV. Ensure a snug fit.
3. **Connect to Power Outlet:** Plug the two-prong end of the AC input power cord into a standard 100V-240V AC electrical wall outlet.
4. **Verify Connection:** Once connected, the adapter is ready to supply power to your device. Some adapters may have an indicator light to show power is active.



Figure 5.1: Close-up view demonstrating the connection of the AC input power cord to the main adapter unit.



Figure 5.2: The adapter fully connected, with the AC plug in a wall outlet and the DC output connected to a device, ready for operation.

6. Operating the Adapter

Once properly connected, the Kircuit 12V AC/DC Adapter will provide continuous power to your compatible Audiovox device. The adapter functions as a direct power source and, if your device has a rechargeable battery, it will also facilitate battery charging.

- **Powering Your Device:** With the adapter connected to both the wall outlet and your device, your Audiovox TV should power on as usual. Refer to your device's manual for specific power-on procedures.
- **Charging:** If your Audiovox TV model includes a rechargeable battery, the adapter will automatically charge the battery while providing power to the device.
- **Disconnection:** To disconnect, first power off your device, then unplug the AC input cord from the wall outlet, and finally disconnect the DC output cord from your device.

7. Care and Maintenance

Proper care ensures the longevity and optimal performance of your adapter:

- **Cleaning:** Always unplug the adapter from the power outlet before cleaning. Use a soft, dry cloth to wipe the exterior of the adapter. Do not use liquid cleaners or abrasive materials.
- **Storage:** When not in use, store the adapter in a cool, dry place, away from direct sunlight and extreme temperatures. Coil the cables loosely to prevent damage.
- **Cable Inspection:** Periodically inspect the power cords for any signs of damage, such as fraying, cuts, or exposed wires. If damage is found, discontinue use immediately and replace the adapter.

8. Troubleshooting

If you encounter issues with your Kircuit 12V AC/DC Adapter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not receiving power.	Loose connections.	Ensure all cables are securely plugged into the adapter, wall outlet, and device.
	Wall outlet not functioning.	Test the wall outlet with another known working appliance. Check circuit breaker.
	Damaged adapter or cable.	Inspect cables for visible damage. If damaged, discontinue use and replace the adapter.
Adapter feels warm during use.	Normal operation.	It is normal for power adapters to generate some heat during operation. Ensure adequate ventilation around the adapter.
	Overload or poor ventilation.	If the adapter feels excessively hot, unplug it immediately. Ensure it is not covered and has proper airflow. Verify device compatibility.

9. Specifications

Technical details for the Kircuit 12V AC/DC Adapter:

- **Input Voltage:** 100V-240V AC (Alternating Current)
- **Output Voltage:** 12V DC (Direct Current)
- **Connector Type:** Barrel Connector
- **Total Cable Length:** Approximately 8 feet (including both AC and DC cords)
- **Color:** Black
- **Compatible Devices:** Audiovox PVS21090, Audiovox PVS21090W
- **Manufacturer:** Shenzhen Waweis Technology Co., Ltd

10. Warranty and Support

For information regarding the warranty period and terms for your Kircuit 12V AC/DC Adapter, please refer to the documentation provided at the time of purchase or contact your retailer directly. For technical assistance or further inquiries, please reach out to the point of purchase or the manufacturer's customer support channels.

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