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Kircuit AC/DC Adapter

Kircuit 12V AC/DC Adapter User Manual

Compatible with Verizon Technicolor TG790 Modem Router, UCW4026MCS, PSM24A-120, DSL36900440

Introduction

This manual provides essential information for the safe and effective use of your Kircuit 12V AC/DC Adapter. Please read this manual thoroughly before using the product and retain it for future reference.

The Kircuit AC/DC Adapter is designed to convert standard AC wall power into the specific DC power required by compatible electronic devices. It is suitable for use with various modems, routers, and media converters, providing a reliable power source for your equipment.

Safety Information

To ensure safe operation and prevent damage, please observe the following safety precautions:

- Do not expose the adapter to water, moisture, or high humidity.
- Do not disassemble or modify the adapter. Unauthorized modifications can lead to electric shock, fire, or damage to the product.
- Ensure the adapter's input voltage (100-240VAC) matches your local power supply.
- Connect the adapter only to devices that require 12V DC power and have a compatible barrel connector. Verify the device's power requirements (voltage and amperage) before connecting.
- Avoid placing the adapter in poorly ventilated areas or covering it, as this can lead to overheating.
- Keep the adapter away from heat sources, direct sunlight, and flammable materials.
- If the adapter is damaged, discontinue use immediately and seek professional assistance.

Product Overview

The Kircuit AC/DC Adapter is a compact and durable power supply designed for various electronic devices. It features a standard two-prong AC plug for wall outlets and a barrel connector for device input.



Figure 1: Front view of the Kircuit 12V AC/DC Adapter, showing the main unit with its specifications label and the attached power cord ending in a barrel connector.



Figure 2: Two Kircuit 12V AC/DC Adapters displayed from different perspectives, highlighting the textured casing and the two-prong plug design.



Figure 3: The Kircuit 12V AC/DC Adapter with its power cord, illustrating the approximate 6.5 ft (2 meter) length of the cable.

Setup

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

1. **Verify Compatibility:** Before connecting, ensure your device requires 12V DC power and has a compatible barrel connector. Check your device's original power adapter or specifications.
2. **Connect to Device:** Insert the barrel connector of the Kircuit adapter firmly into the DC input port of your electronic device.
3. **Connect to Power Outlet:** Plug the two-prong AC plug of the adapter into a standard wall power outlet (100-240VAC, 50/60Hz).
4. **Power On Device:** Once connected, power on your device. The adapter should provide the necessary power.



Figure 4: The Kircuit 12V AC/DC Adapter plugged into a power strip, demonstrating a typical connection scenario.

Operation

The Kircuit AC/DC Adapter operates automatically once connected to a power source and a compatible device. It provides a stable 12V DC output to power your equipment. No user intervention is required during normal operation.

The adapter is designed with Over Voltage Protection (OVP), Over Current Protection (OCP), and Short Circuit Protection (SCP) to safeguard both the adapter and your connected device from electrical irregularities.

Maintenance

Proper maintenance ensures the longevity and reliable performance of your adapter:

- **Cleaning:** Disconnect the adapter from the power outlet and device before cleaning. Use a soft, dry cloth to wipe the surface. 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. Avoid tightly winding the cord to prevent damage.
- **Inspection:** Periodically inspect the adapter and its cord for any signs of damage, such as frayed wires, cracks, or bent pins. If damage is found, discontinue use.

Troubleshooting

If you encounter issues with your Kircuit AC/DC Adapter, refer to the following table:

Problem	Possible Cause	Solution
Device not powering on.	Adapter not plugged in correctly. Power outlet is not active. Device requires different voltage/amperage. Adapter or device is faulty.	Ensure adapter is fully plugged into wall and device. Test the power outlet with another device. Verify device's power requirements match adapter's output. If possible, test with another known-good adapter/device.
Adapter feels hot.	Normal operation (slight warmth). Overload or poor ventilation.	A slight warmth is normal. If excessively hot, disconnect immediately. Ensure adapter is not covered and has adequate airflow. Verify device's power draw is within adapter's limits.
Flickering power to device.	Loose connection. Faulty adapter or cable.	Check all connections are secure. Inspect cable for damage. If problem persists, adapter may need replacement.

Specifications

Feature	Description
Brand	Kircuit
Model	AC/DC Adapter
Input Voltage	100-240VAC, 50/60Hz
Output Voltage	12VDC
Output Current	1.5A - 2A (1500mA - 2000mA)
Output Power	18W - 24W
Connector Type	Barrel Connector
Cord Length	Approximately 6.5 ft (2 meters)
Protection Features	OVP (Over Voltage Protection), OCP (Over Current Protection), SCP (Short Circuit Protection)
Compatible Devices	Verizon Technicolor TG790 Modem Router, UCW4026MCS Hotel Motel Media Converter, PSM24A-120, DSL36900440
Color	Black

Warranty Information

For specific warranty terms and conditions, please refer to the product packaging or contact the manufacturer directly. Typically, Kircuit products come with a standard manufacturer's warranty covering defects in materials and workmanship

under normal use.

Customer Support

If you have any questions, require technical assistance, or need to report an issue with your Kircuit AC/DC Adapter, please contact the seller or refer to the Kircuit official website for support contact information. When contacting support, please have your product model and purchase details ready.

Ask a question about this manual

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