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Kircuit 13.5V AC Adapter for Harbor Freight Tools Power Systems

Kircuit 13.5V AC Adapter User Manual

Model: 13.5V AC Adapter for Harbor Freight Tools Power Systems
Brand: Kircuit

1. PRODUCT OVERVIEW

This manual provides instructions for the Kircuit 13.5V AC Adapter, designed as a replacement power supply for various Harbor Freight Tools and Chicago Electric Power Systems. It ensures reliable power delivery for compatible devices.



Image 1.1: The Kircuit 13.5V AC Adapter, showing the main unit and its attached power cord with a barrel connector.

2. COMPATIBILITY

The Kircuit 13.5V AC Adapter is compatible with a range of devices requiring a 13.5V DC power input. Specific compatible models include:

- HARBOR FREIGHT TOOLS CHICAGO ELECTRIC POWER SYSTEM ITEM 96157
- CEN TECH 60703 5 IN 1 CENTECH 60657 69401 60657 PORTABLE POWER PACK Jump Starter
- CHICAGO ELECTRIC 3 IN 1 POWER SYSTEM 4 IN 1 PORTABLE POWER PACK ITEM 69401 Jump Starter ITEM 60657
- Cen-Tech 4-in-1 Portable Power Pack Jump Starter Item# 60666 CEN TECH Harbor Freight Tools
- CEN-TECH ITEM 38391 3 in 1 Portable Power Pack Jump Starter CENTECH Harbor Freight Tools
- Chicago Electric Model 38391 12 Volt Jump-start Jump Starter Power Systems 3 in 1 Jump Start Air Compressor 08884 Harbor Freight Tools Jumpstarter
- Chicago Electric Power Tools Model 96299 96298 Lithium Powered 10.8V Cordless Drill/Driver (Note: This adapter provides 13.5V, ensure compatibility with your specific 10.8V device's charging requirements.)

It is also compatible with various cameras, e-book readers, GPS devices, laptops, MP3 players, monitors, power tools, speakers, and tablets that require a 13.5V power supply with a barrel connector.

3. SETUP INSTRUCTIONS

1. **Verify Compatibility:** Before connecting, ensure your device requires a 13.5V DC input and has a compatible barrel connector. Refer to your device's original power specifications.
2. **Inspect the Adapter:** Check the adapter and cable for any visible damage. Do not use if damaged.
3. **Connect to Device:** Insert the barrel connector of the Kircuit AC Adapter firmly into the power input port of your compatible device.
4. **Connect to Power Outlet:** Plug the AC adapter into a standard wall power outlet (100-240V AC, 50/60Hz). Ensure the outlet is easily accessible.
5. **Power On Device:** Once connected, you may power on your device. The adapter will begin supplying power.



Image 3.1: The Kircuit AC Adapter connected to a power strip, demonstrating a typical setup for use.

4. OPERATING GUIDELINES

The Kircuit 13.5V AC Adapter operates by converting AC wall power to the required 13.5V DC for your device. It is designed for continuous use within its specified electrical parameters.

- Ensure proper ventilation around the adapter during operation to prevent overheating.
- Avoid placing the adapter in direct sunlight or near heat sources.
- Do not cover the adapter with cloth or other materials while in use.
- Unplug the adapter from the wall outlet when not in use for extended periods.

5. SAFETY INFORMATION

This adapter incorporates several safety features to protect both the device and the user:

Built Safety Protections

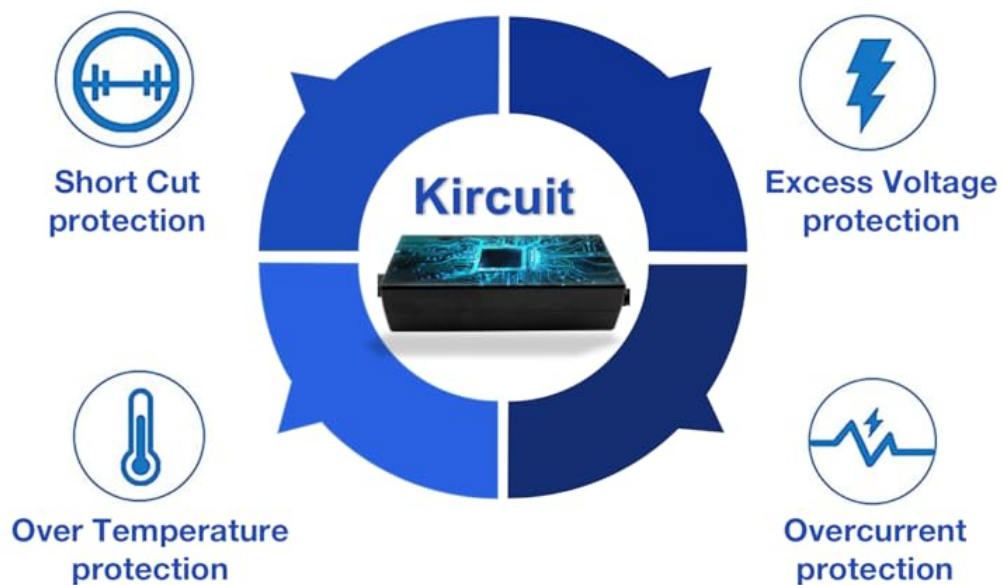


Image 5.1: Overview of the adapter's built-in safety protections, including safeguards against short circuits, excess voltage, over-temperature, and overcurrent.

- **Short Circuit Protection:** Automatically cuts off power in case of a short circuit to prevent damage.
- **Excess Voltage Protection:** Safeguards connected devices from damage due to voltage spikes.
- **Over Temperature Protection:** Prevents the adapter from overheating during operation.
- **Overcurrent Protection:** Protects against excessive current draw, which can damage the adapter and connected device.

General Safety Precautions:

- Do not expose the adapter to water or moisture.
- Do not disassemble or attempt to repair the adapter. Refer to qualified service personnel.
- Keep out of reach of children.
- Use only with compatible devices as specified.

6. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your Kircuit AC Adapter.

Durable design

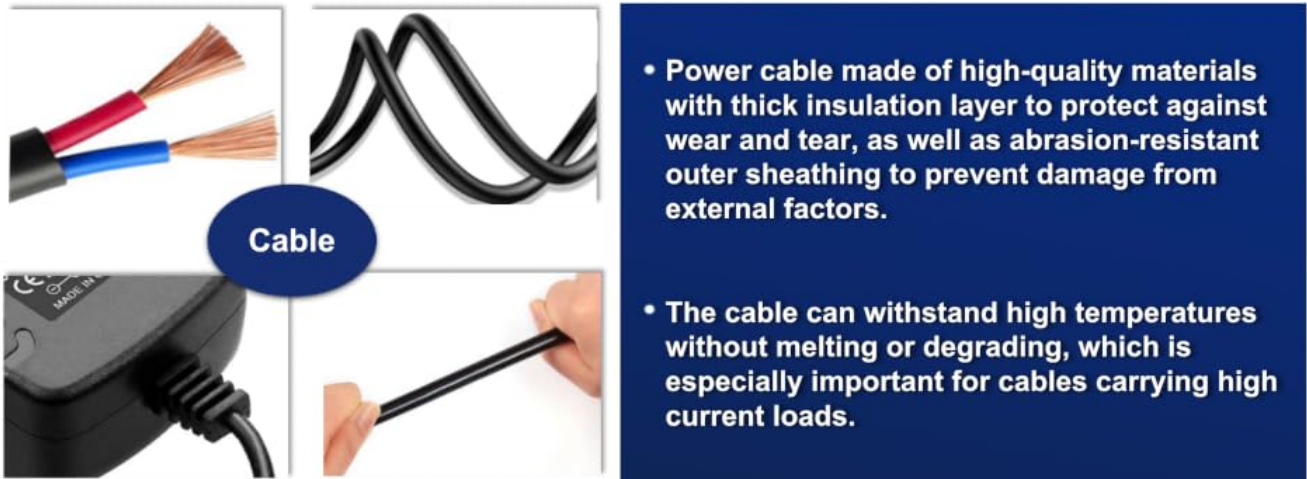


Image 6.1: The power cable features a durable design with high-quality materials, thick insulation, and abrasion resistance to protect against wear and external factors.

- **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 solvents.
- **Cable Care:** Avoid bending or kinking the power cable excessively, especially near the connectors. The cable is designed to withstand high temperatures and electrical loads, but physical stress can cause damage.
- **Storage:** Store the adapter in a cool, dry place when not in use. Avoid wrapping the cable too tightly around the adapter.

- The plugs on the power cable also well-made and designed to provide a secure and stable connection.
- The plugs can handle high electrical loads without overheating or causing a fire hazard.

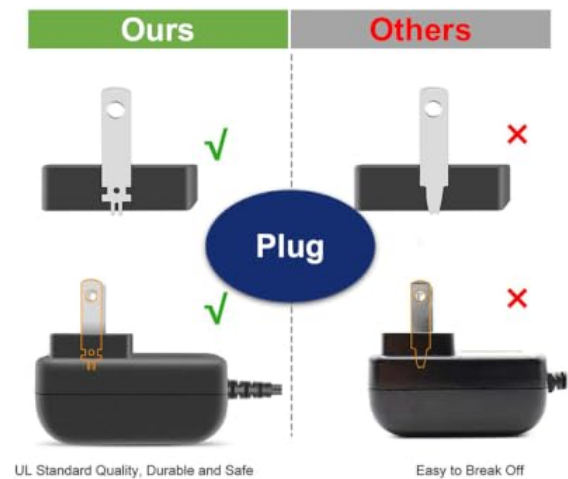


Image 6.2: The adapter's plug is designed for secure and stable connection, meeting UL standard quality to handle electrical loads without overheating.

7. TROUBLESHOOTING

If you encounter issues with your Kircuit AC Adapter, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device not receiving power	Adapter not plugged in correctly; Faulty wall outlet; Incompatible device; Damaged cable/adapter	Ensure adapter is fully plugged into wall and device. Test wall outlet with another device. Verify device compatibility. Inspect cable/adapter for damage; replace if necessary.
Adapter is hot to the touch	Normal operation heat; Poor ventilation; Overload	Some warmth is normal. Ensure adequate ventilation. Disconnect device and adapter for a few minutes. If excessively hot or emitting smoke/smell, discontinue use immediately.
Intermittent power supply	Loose connection; Damaged cable/connector	Check all connections for tightness. Inspect cable and barrel connector for fraying or bending. Replace adapter if damage is found.

8. SPECIFICATIONS

- **Brand:** Kircuit
- **Input Voltage:** 100-240V AC, 50/60Hz, 0.3A
- **Output Voltage:** 13.5V DC
- **Connector Type:** Barrel connector
- **Power Source:** Corded Electric

- **Included Components:** 1 x AC Adapter
- **Special Feature:** Travel-friendly design
- **Compliance:** UL Specification Met
- **Date First Available:** November 5, 2019



Image 8.1: The Kircuit AC Adapter with its power cord, indicating a length of 6.5 feet for convenient reach.

9. WARRANTY AND SUPPORT

The Kircuit 13.5V AC Adapter is designed for durability and performance. While specific warranty details are not provided in the product information, the product packaging indicates a **3-year warranty**.



Image 9.1: The Kircuit AC Adapter packaging, highlighting a '3 YEAR' warranty, suggesting extended product support.

For support inquiries, please refer to the contact information provided with your purchase or on the product packaging. Ensure you have your product model and purchase date available when contacting support.

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