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Kircuit 61838

Kircuit AC Adapter Charger User Manual

For Harbor Freight Tool CEN TECH Inspection Camera Item 61838

1. PRODUCT OVERVIEW

This Kircuit AC Adapter Charger is designed to provide reliable power to your Harbor Freight Tool CEN TECH Inspection Camera, specifically model Item 61838. It serves as a direct replacement or a convenient travel backup, ensuring your device remains powered for optimal performance.



Image 1.1: Front view of the Kircuit AC Adapter Charger, showing the input and output specifications.

Key Features:

- High-quality AC Wall Power Charger (non-OEM).
- Wide input voltage range: 100V-240V AC, suitable for various power outlets.
- Integrated Dynamic IC, Charger IC, and Power fuse for rapid charging and protection against overcharge.
- Units are tested to ensure great working condition and reliability.

2. SETUP INSTRUCTIONS

Follow these steps to properly set up your Kircuit AC Adapter Charger:

1. **Unpack the Charger:** Carefully remove the AC adapter from its packaging. Inspect it for any visible damage.
2. **Connect to Power Outlet:** Plug the AC adapter's two-prong plug into a standard 100V-240V AC wall outlet or a power strip. Ensure the connection is secure.
3. **Connect to Device:** Locate the power input port on your Harbor Freight Tool CEN TECH Inspection Camera (Item 61838). Insert the adapter's output connector firmly into this port.



Image 2.1: The Kircuit AC Adapter Charger plugged into a power strip, demonstrating a typical setup.

Once connected, the inspection camera should begin charging or receive power, depending on its operational state.

3. OPERATING THE CHARGER

The Kircuit AC Adapter Charger operates automatically once connected. It is designed for efficient and safe power delivery.

Safety Protections:

The charger incorporates multiple built-in safety features to protect both the adapter and your connected device:

- **Short Circuit Protection:** Prevents damage from electrical shorts.
- **Excess Voltage Protection:** Safeguards against power surges and over-voltage conditions.
- **Over Temperature Protection:** Monitors and regulates internal temperature to prevent overheating.

- **Overcurrent Protection:** Protects against excessive current flow.

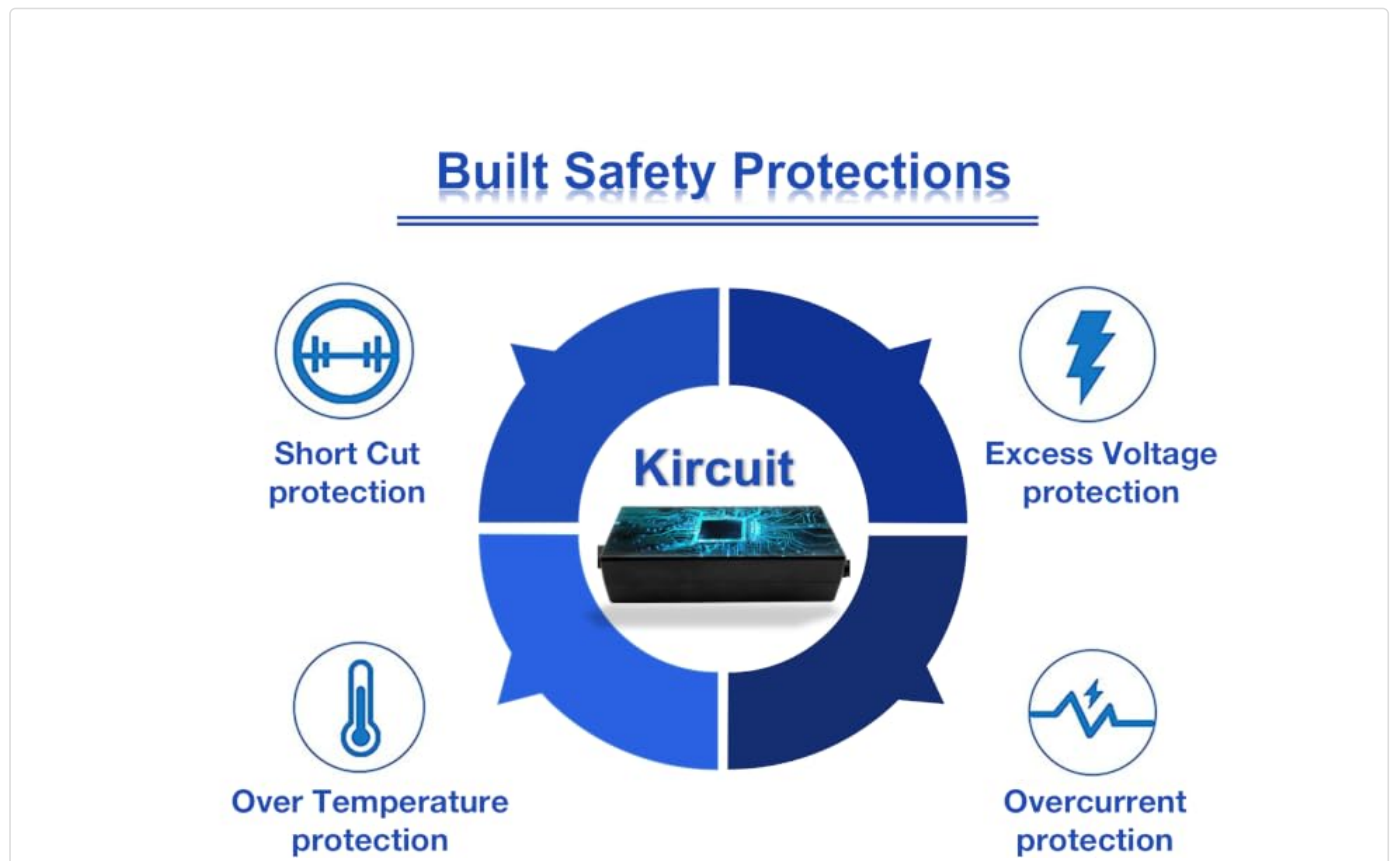


Image 3.1: Diagram illustrating the various built-in safety protections of the Kircuit AC Adapter, including short circuit, excess voltage, over temperature, and overcurrent protection.

These protections ensure a stable and safe charging environment for your inspection camera.

4. MAINTENANCE

Proper maintenance extends the lifespan of your AC adapter and ensures continued safe operation.

- **Keep Dry:** Avoid exposing the adapter to moisture or liquids. If it gets wet, disconnect it immediately and allow it to dry completely before reuse.
- **Temperature Control:** Do not operate the adapter in extremely hot or cold environments. Store it in a cool, dry place when not in use.
- **Inspect Cable and Plugs:** Regularly check the power cord and connector for any signs of fraying, cuts, or damage. The cable is designed with high-quality materials and thick insulation for durability and resistance to wear and tear. The plugs are also designed for secure and stable connections and can handle electrical loads without overheating.

Durable design



- **Power cable made of high-quality materials with thick insulation layer to protect against wear and tear, as well as abrasion-resistant outer sheathing to prevent damage from external factors.**

- **The cable can withstand high temperatures without melting or degrading, which is especially important for cables carrying high current loads.**

Image 4.1: Illustration highlighting the durable design of the adapter's cable, emphasizing its high-quality materials and insulation for protection against wear and high temperatures.

- **Cleaning:** Disconnect the adapter from the power source and the device before cleaning. Use a soft, dry cloth to wipe the surface. Do not use harsh chemicals or abrasive cleaners.
- **Ventilation:** Ensure the adapter has adequate ventilation during operation. Do not cover it or place it in an enclosed space that could trap heat.

5. TROUBLESHOOTING

If you encounter issues with your Kircuit AC Adapter Charger, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not charging/powering on.	Loose connection, no power from outlet, faulty adapter.	Ensure adapter is firmly plugged into both the wall outlet and the device. Test the wall outlet with another device. If still no power, the adapter may be faulty and require replacement.
Adapter feels hot during use.	Normal operation, poor ventilation, excessive load.	A slight warmth is normal. Ensure the adapter is not covered and has adequate airflow. If it becomes excessively hot to touch, disconnect it immediately and discontinue use.
Visible damage to cable or plug.	Physical stress, wear and tear.	Discontinue use immediately. Damaged cables or plugs can pose a safety hazard. Replace the adapter.

If the problem persists after attempting these solutions, please contact customer support for further assistance.

6. SPECIFICATIONS

Detailed technical specifications for the Kircuit AC Adapter Charger:

Specification	Value
Brand	Kircuit
Compatible Devices	Cameras (specifically Harbor Freight Tool CEN TECH Inspection Camera Item 61838)
Input Voltage	100V-240V AC
Power Source	Corded Electric
Item Weight	8 ounces
Special Feature	Portable, Travel
Total USB Ports	1 (refers to internal charging circuit, not external USB port)
Specification Met	OE
Main Power Connector Type	2 Pin
Date First Available	November 19, 2019

7. WARRANTY AND SUPPORT

For any questions, technical assistance, or warranty inquiries regarding your Kircuit AC Adapter Charger, please contact Kircuit customer service. Refer to the product packaging or the retailer's website for specific contact information. Please retain your purchase receipt as proof of purchase for any warranty claims.

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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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