Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Kircuit C1912121707

Kircuit 12V AC/DC Adapter User Manual

Model: C1912121707

1. Introduction

Thank you for choosing the Kircuit 12V AC/DC Adapter. This manual provides essential information for the safe and efficient use of your power supply. Please read it thoroughly before operation and retain it for future reference. This adapter is designed to provide stable and reliable power for compatible devices, featuring robust construction and built-in safety mechanisms.

2. Product Overview

The Kircuit 12V AC/DC Adapter is a high-quality power supply unit designed for various electronic devices requiring 12V DC input. It includes the main adapter unit and a detachable AC power cord.

Key Features:

- **Universal Input:** Supports 100V-240V AC input, suitable for global use.
- **High Output:** Provides 12V DC at 5A (60W) for stable power delivery.
- **Safety Protections:** Integrated Dynamic IC, Charger IC, and power fuse for overcharge, short circuit, over-voltage, over-temperature, and overcurrent protection.
- **Durable Design:** Features a power cable made of high-quality materials with thick insulation and abrasion resistance.
- **Anti-interference Magnetic Ring:** Enhances reliability and stability of system operation.

Product Components:



Figure 2.1: The Kircuit 12V AC/DC Adapter, showing the main adapter unit, the DC output cable with barrel connector, and the detachable AC input power cord.

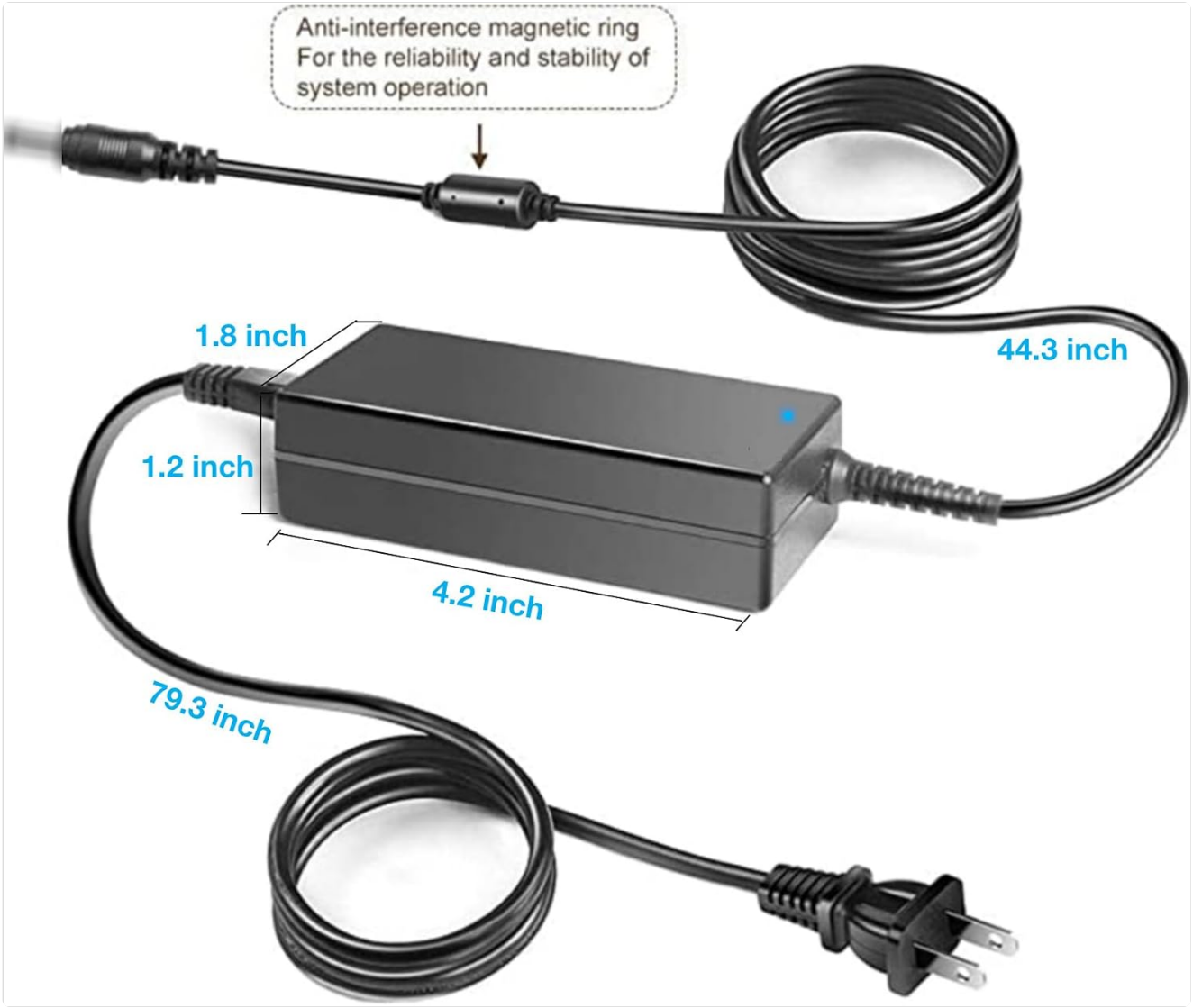


Figure 2.2: Detailed view of the adapter unit with approximate dimensions (4.2 inches length, 1.2 inches height, 1.8 inches width) and the anti-interference magnetic ring on the DC output cable.



Figure 2.3: Top-down view of the adapter and its connected cables, highlighting the compact design.

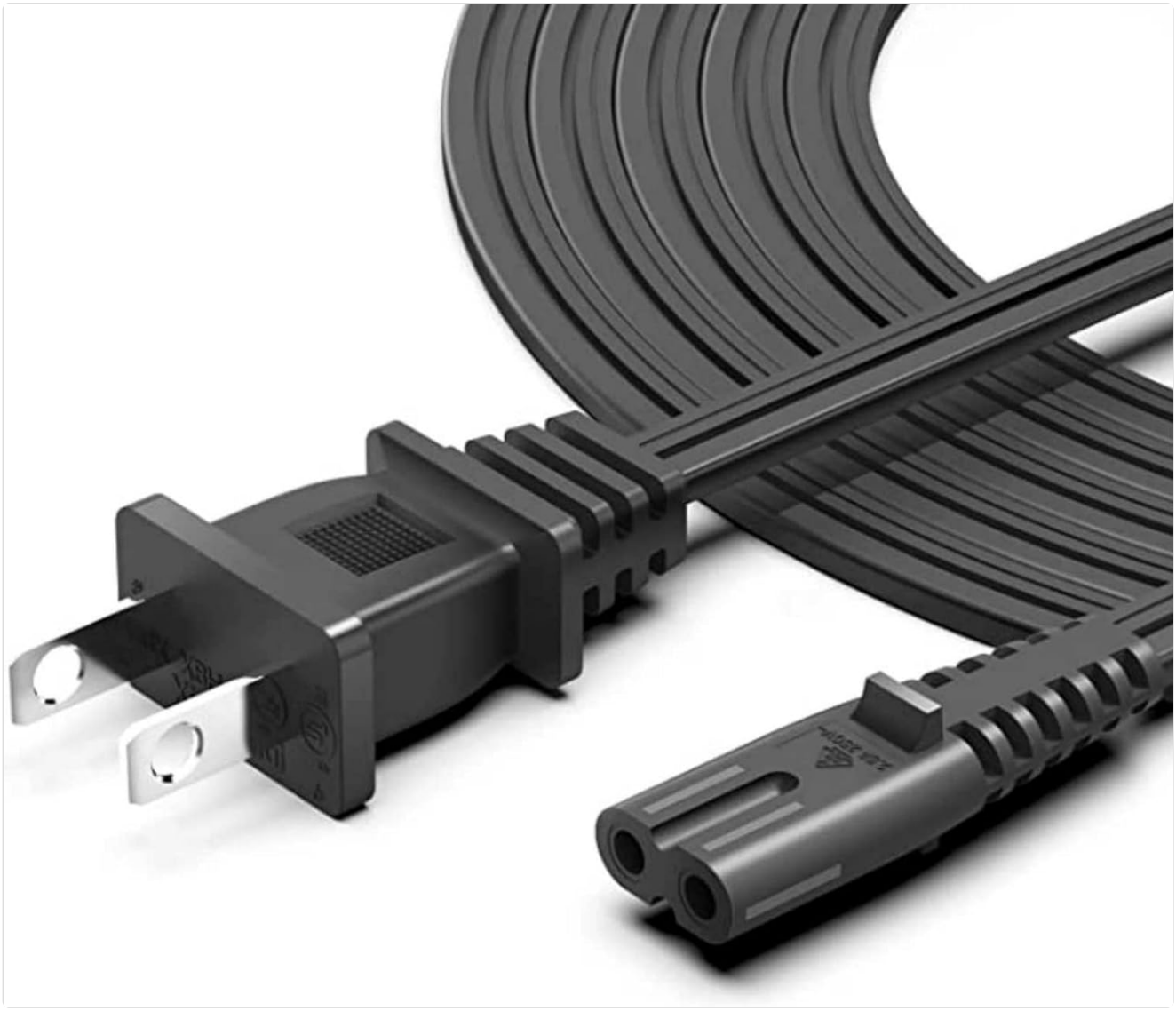


Figure 2.4: Close-up of the AC power plug, demonstrating its robust construction and UL standard quality.



Figure 2.5: The adapter connected to a wall outlet, illustrating its typical usage scenario.

Cable and Plug Durability:

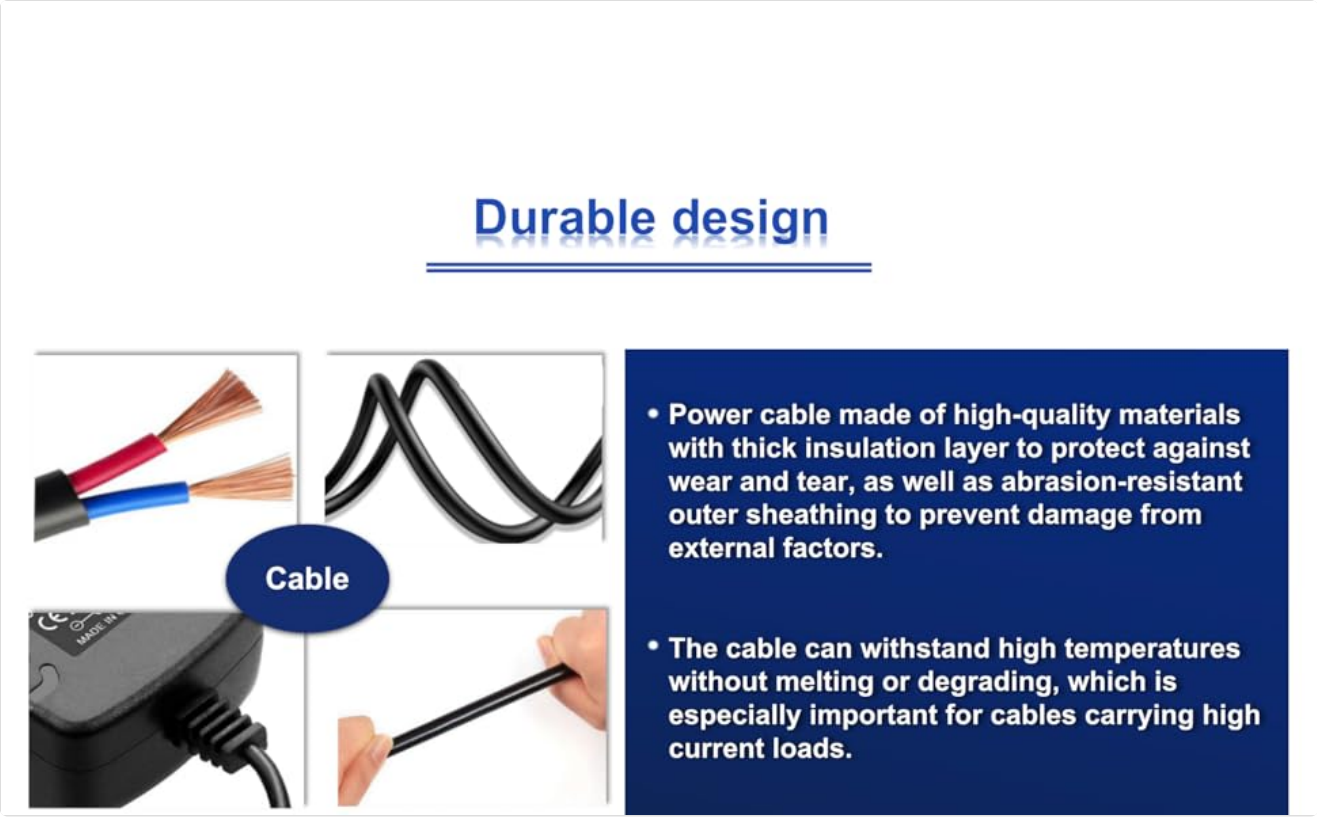


Figure 2.6: Illustration of the durable cable design, highlighting high-quality materials, thick insulation, and abrasion resistance to prevent damage and ensure longevity.

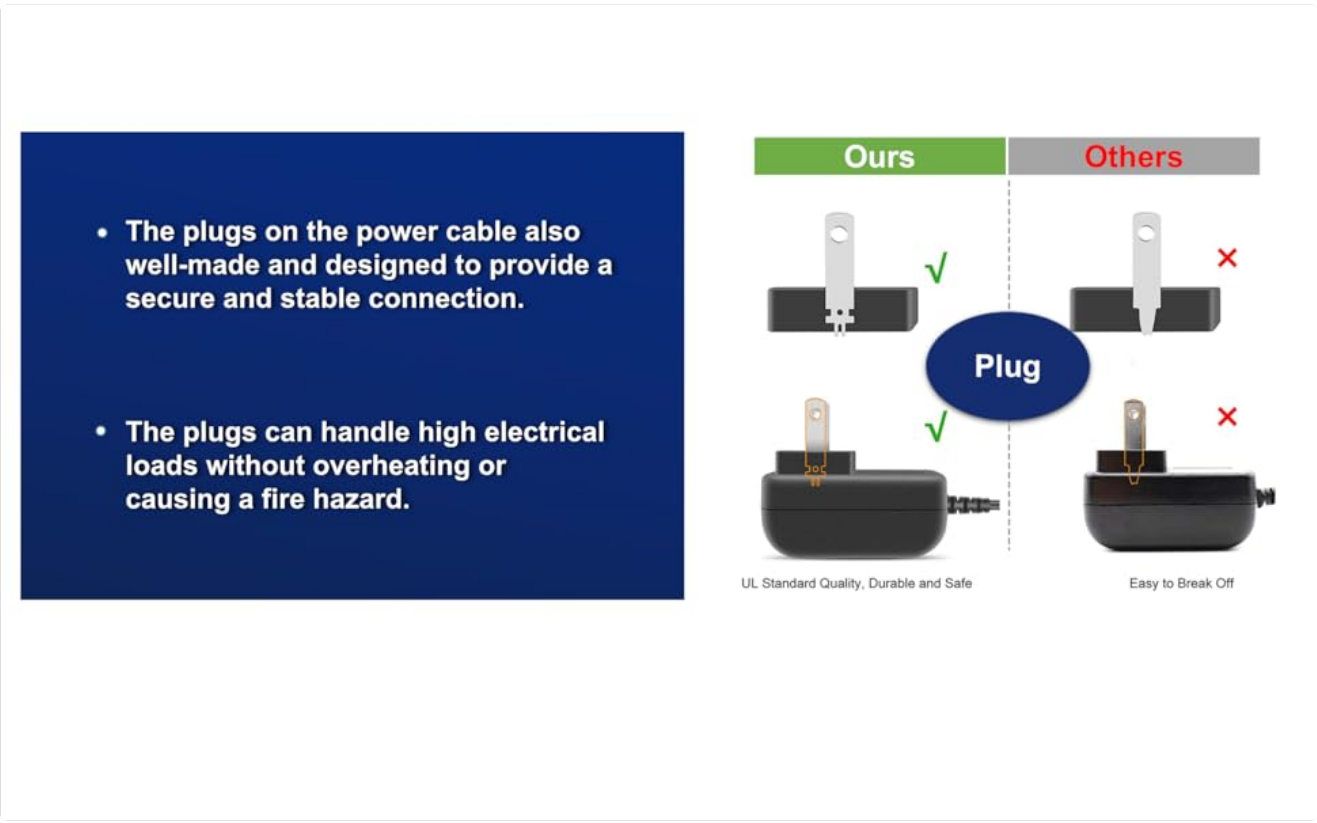


Figure 2.7: Comparison illustrating the UL Standard Quality of Kircuit plugs, designed for secure and stable connection, capable of handling high electrical loads without overheating.

3. Specifications

Specification	Value
Brand	Kircuit
Model Number	C1912121707
Input Voltage	100V-240V AC
Output Voltage	12V DC
Output Current	5.0A
Output Power	60W
Connectivity Technology	DC Barrel
Connector Type	Barrel Connector
Item Weight	8 ounces
Color	Black
Included Components	2 x Power Cords
Special Feature	Portable, Travel

4. Setup

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

1. **Unpack the Adapter:** Carefully remove the adapter unit and the AC power cord from its packaging.
2. **Connect the AC Power Cord:** Insert the C7 connector end of the AC power cord firmly into the AC input port on the adapter unit.
3. **Connect to Power Outlet:** Plug the two-prong end of the AC power cord into a standard 100V-240V AC wall outlet. Ensure the outlet is easily accessible.
4. **Connect to Device:** Insert the barrel connector of the DC output cable into the compatible power input port of your electronic device (e.g., Sagemcom CS 50001). Ensure the connection is secure.
5. **Verify Power:** Once connected, your device should receive power. Some adapters may have an indicator light to show power is active.

5. Operating Instructions

The Kircuit 12V AC/DC Adapter operates automatically once connected to a power source and a compatible device. It is designed for continuous operation within its specified limits.

- Ensure the adapter's output specifications (12V DC, 5A, 60W) match the power requirements of your device. Using an adapter with incorrect voltage or insufficient current can damage your device.
- Always connect the adapter to the device before plugging it into the wall outlet, and disconnect from the wall outlet before disconnecting from the device, especially for sensitive electronics.
- Avoid bending or crimping the cables excessively, as this can damage the internal wires.

6. Safety Information

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

- **Indoor Use Only:** This adapter is designed for indoor use. Do not expose it to rain, moisture, or extreme temperatures.
- **Proper Ventilation:** Ensure adequate ventilation around the adapter. Do not cover it or place it in an enclosed space that could lead to overheating.
- **Avoid Overloading:** Do not connect devices that exceed the adapter's maximum output power (60W) or current (5A).
- **Handle with Care:** Do not drop, disassemble, or attempt to repair the adapter. Refer servicing to qualified personnel.
- **Power Cord Safety:** Do not place heavy objects on the power cord or allow it to be walked on. Avoid using damaged power cords.
- **Disconnect When Not in Use:** Unplug the adapter from the wall outlet when not in use for extended periods.
- **Keep Away from Children:** Store the adapter out of reach of children.

Built-in Safety Protections:

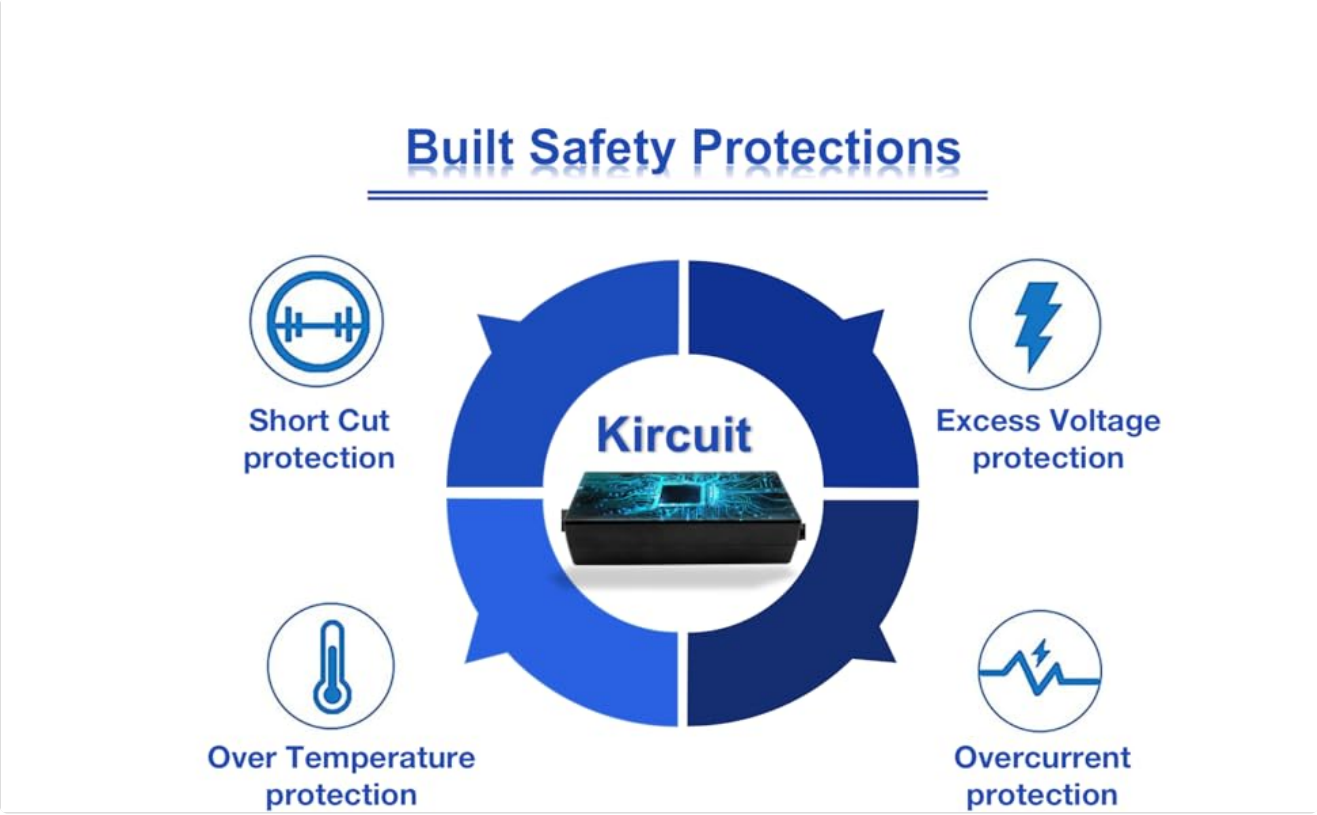


Figure 6.1: The Kircuit adapter incorporates multiple safety protections including Short Circuit protection, Excess Voltage protection, Over Temperature protection, and Overcurrent protection to ensure safe and reliable operation.

7. Maintenance

Proper maintenance helps prolong the life of your adapter:

- **Cleaning:** Disconnect the adapter from all power sources before cleaning. Use a soft, dry cloth to wipe the surface. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use, store the adapter in a cool, dry place away from direct sunlight and extreme

temperatures. Avoid tightly wrapping the cables to prevent damage.

- **Inspection:** Periodically inspect the adapter and cables for any signs of damage, such as frayed wires, cracked casing, or bent pins. If damage is found, discontinue use and replace the adapter.

8. Troubleshooting

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

Problem	Possible Cause	Solution
Adapter not providing power	Loose connection No power from outlet Damaged adapter/cable Device not compatible	Ensure all connections are secure. Test the outlet with another device. Inspect adapter and cables for damage; replace if necessary. Verify device power requirements match adapter specifications.
Adapter is overheating	Poor ventilation Overloaded Internal fault	Ensure adapter has adequate airflow; do not cover. Disconnect device and check if its power requirements exceed 60W/5A. Discontinue use and contact support if overheating persists without overload.
Device not charging/powering on fully	Insufficient power Faulty device Incorrect connector size	Confirm device power requirements are within adapter's capacity. Test device with its original power supply if available. Ensure the barrel connector fits snugly and is the correct size for your device.

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

9. Warranty and Support

Kircuit products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the product packaging or the seller's policy at the point of purchase. Typically, Kircuit adapters come with a standard warranty covering manufacturing defects.
For technical support, troubleshooting assistance, or warranty claims, please contact the seller or Kircuit customer service through the contact information provided with your purchase or on the official Kircuit website. When contacting support, please have your product model number (C1912121707) and purchase details ready.

© 2024 Kircuit. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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.

Submit question

Open the live page

https://manuals.plus/asin/B082SLDS3J

More documents and user manuals: **https://manuals.plus/**