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Kircuit RHD50W120300, SDK-0612

Kircuit 12V AC/DC Adaptor User Manual

Model: RHD50W120300, SDK-0612

1. Introduction

Thank you for choosing the Kircuit 12V AC/DC Adaptor. This product is designed as a reliable replacement power supply for various electronic devices requiring 12V DC input, specifically compatible with FLOJET Part # 91006-071 and similar models. This manual provides essential information for the safe and effective use of your new adaptor.

This adaptor converts standard AC wall power to 12V DC, providing a stable and efficient power source for your compatible equipment. It is engineered with safety features to protect your devices.



Image 1.1: The Kircuit 12V AC/DC Adaptor, showing the main power brick and the two included power cords (AC input cord and DC output cord).

2. Important Safety Information

Please read all safety instructions carefully before using the adaptor. Failure to follow these instructions may result in electric shock, fire, or damage to the product or connected devices.

- **Indoor Use Only:** This adaptor is designed for indoor use in dry locations. Do not expose it to rain, moisture, or extreme temperatures.
- **Proper Voltage:** Ensure the input voltage of your wall outlet matches the adaptor's specifications (100-240V AC).
- **Compatibility:** Only connect this adaptor to devices that require 12V DC input and whose current draw does not exceed 3A (36W). Using it with incompatible devices may cause damage.
- **Ventilation:** Do not cover the adaptor or place it in an enclosed space during operation. Ensure adequate airflow to

prevent overheating.

- **Avoid Damage:** Do not use the adaptor if the cords or casing are damaged. Do not attempt to open or repair the adaptor. Refer all servicing to qualified personnel.
- **Children and Pets:** Keep the adaptor and cords out of reach of children and pets.
- **Unplug When Not in Use:** Disconnect the adaptor from the power outlet when not in use for extended periods.

Image 2.1: The Kircuit adaptor features multiple built-in safety protections, including safeguards against short circuits, excess voltage, over-temperature, and overcurrent, ensuring safe operation.

3. Package Contents

Please verify that all items are present in the package:

- 1 x Kircuit 12V AC/DC Adaptor Unit
- 2 x Power Cords (AC input cord and DC output cord)

4. Setup Instructions

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

1. **Verify Compatibility:** Before connecting, ensure your device requires a 12V DC input and has a compatible barrel connector. Check your device's specifications or original power supply.
2. **Connect DC Output Cord:** Plug the DC output cord (the one with the barrel connector) into the DC output port of the adaptor unit.
3. **Connect AC Input Cord:** Plug the AC input cord (the one with the two-prong plug) into the AC input port of the adaptor unit.
4. **Connect to Device:** Insert the barrel connector of the DC output cord into the power input port of your electronic device.
5. **Connect to Power Outlet:** Plug the two-prong AC plug into a standard 100-240V AC wall outlet.

The adaptor is now ready for use. A small blue LED indicator on the adaptor unit will illuminate when it is receiving power and operating correctly.



Image 4.1: The Kircuit 12V AC/DC Adaptor connected to a wall outlet, demonstrating a typical setup for powering a device.

5. Operating the Adaptor

Operating the Kircuit 12V AC/DC Adaptor is straightforward once properly set up:

- Once connected to a power outlet and your device, the adaptor will automatically supply power.
- Observe the blue LED indicator on the adaptor. A steady blue light indicates that the adaptor is receiving power and functioning correctly.
- Your device should now power on or begin charging, depending on its function.
- To disconnect, first unplug the adaptor from the wall outlet, then disconnect it from your device.

6. Care and Maintenance

To ensure the longevity and optimal performance of your Kircuit 12V AC/DC Adaptor, follow these maintenance guidelines:

- **Cleaning:** Disconnect the adaptor 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 adaptor in a cool, dry place away from direct sunlight and extreme temperatures. Avoid tightly winding the cords to prevent damage.

- **Handle with Care:** Avoid dropping the adaptor or subjecting it to strong impacts. Do not pull on the cords to unplug the adaptor; always grasp the plug itself.
- **Inspect Regularly:** Periodically check the adaptor and cords for any signs of wear, cuts, or damage. If damage is found, discontinue use immediately.

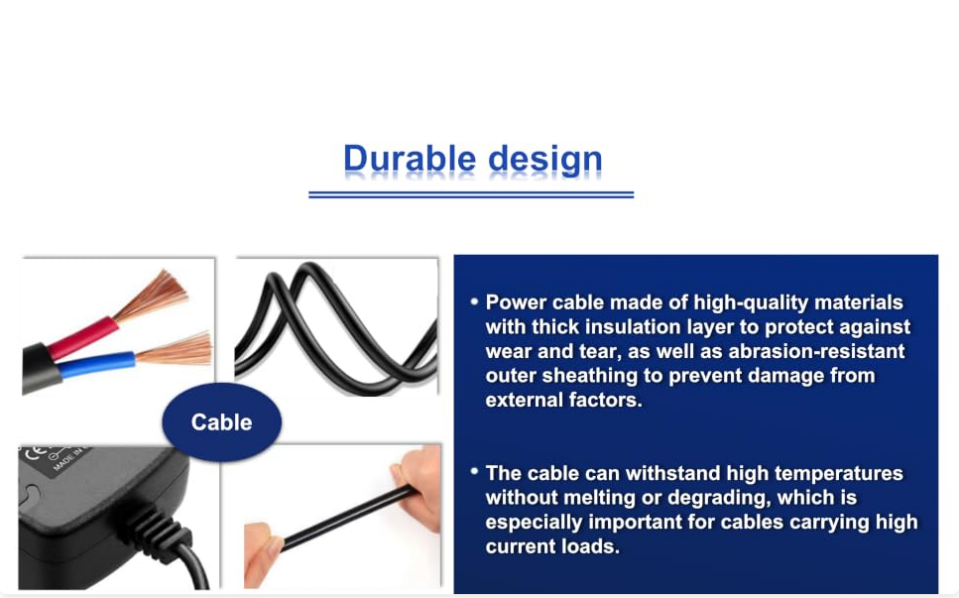


Image 6.1: The power cable is constructed from high-quality materials with thick insulation, designed to resist wear, abrasion, and high temperatures, ensuring durability and safety.

7. Troubleshooting

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

Problem	Possible Cause	Solution
No power to device / Adaptor LED is off	Loose connection, faulty outlet, damaged adaptor/cords, incompatible device.	Ensure all connections (AC plug, DC barrel, adaptor ports) are secure. Test the wall outlet with another device to confirm it has power. Inspect the adaptor and cords for visible damage. If damaged, discontinue use. Verify your device's power requirements match the adaptor (12V DC, max 3A).
Intermittent power / Device flickering	Loose connection, device drawing too much power, faulty adaptor.	Check all connections for looseness. Ensure the device's power requirements do not exceed 12V 3A. Try connecting the adaptor to a different device (if compatible) to isolate the issue.

Problem	Possible Cause	Solution
Adaptor feels hot	Normal operation (slight warmth), insufficient ventilation, overloaded.	A slight warmth is normal. If it's excessively hot, unplug immediately. Ensure the adaptor is in a well-ventilated area and not covered. Confirm the connected device's power draw is within the adaptor's limits (36W / 3A).

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

8. Specifications

Technical specifications for the Kircuit 12V AC/DC Adaptor:

- **Brand:** Kircuit
- **Model Numbers:** RHD50W120300, SDK-0612
- **Input Voltage:** 100-240V AC
- **Output Voltage:** 12V DC
- **Output Current:** 3A (3000mA)
- **Wattage:** 36W
- **Connectivity Technology:** DC Barrel
- **Connector Type:** Barrel Connector
- **Included Components:** 2 x Power Cords
- **Special Feature:** Travel
- **Mounting Type:** Wall Mount
- **Specification Met:** UL

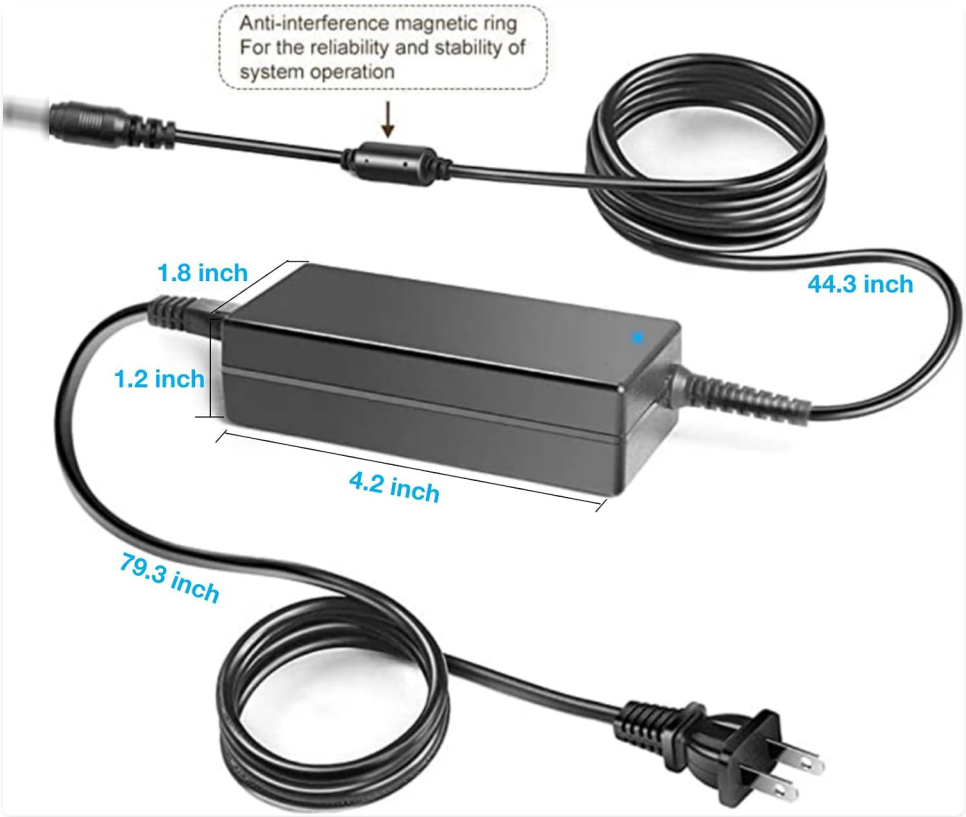


Image 8.1: Detailed view of the adaptor showing approximate dimensions (4.2 inches length, 1.2 inches width, 1.8 inches height) and the anti-interference magnetic ring on the DC output cable for stable system operation.

9. Warranty and Support

Kircuit is committed to providing high-quality products. For any questions, concerns, or technical support regarding your 12V AC/DC Adaptor, please contact our customer service team.

Please refer to your purchase documentation or the retailer's website for specific warranty details and contact information. Keep your proof of purchase for warranty claims.

For the most up-to-date support resources, visit the official Kircuit website or the product page where you made your purchase.

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