

Kircuit A12P

Kircuit 12.6V AC/DC Adapter Instruction Manual

Model: A12P

1. INTRODUCTION

This manual provides instructions for the safe and effective use of your Kircuit 2-Prong 12.6V AC/DC Adapter. This adapter is designed to convert AC power into the DC power required by compatible devices, specifically the Lienuis Model A12P 11.1V 4400mAh Li-ion Battery for cordless robot vacuum and automatic swimming pool cleaners.

The Kircuit adapter is tested and designed to meet the power needs of your device, allowing you to operate your device or charge its battery from electrical power outlets.

2. IMPORTANT SAFETY INFORMATION

- **Voltage Compatibility:** The adapter's output is 12.6VDC. Ensure your device requires 12.6VDC input. Note that the 11.1V mentioned for the Lienuis Model A12P refers to the battery's voltage, not the charger's required output voltage.
- **Protection Features:** This adapter includes Over Voltage output Protection (OVP), Over Current output Protection (OCP), and Short Circuit output Protection (SCP) to safeguard your device.
- **Indoor Use Only:** This adapter is intended for indoor use in dry conditions. Do not expose to water or excessive moisture.
- **Proper Handling:** Do not attempt to open or modify the adapter. Avoid dropping or subjecting it to strong impacts.
- **Unplug When Not In Use:** Disconnect the adapter from the power outlet when not in use for extended periods.

3. SETUP INSTRUCTIONS

3.1 Unpacking

Carefully remove the Kircuit AC/DC adapter from its packaging. Inspect the adapter and its cord for any

signs of damage. If any damage is observed, do not use the adapter and contact customer support.

3.2 Connecting the Adapter

1. **Verify Compatibility:** Before connecting, confirm that your device (e.g., Lienuis Model A12P cordless robot vacuum) requires a 12.6VDC input and has a compatible 2-pin connector.
2. **Connect to Device:** Insert the barrel connector of the adapter cable firmly into the DC input port of your device.
3. **Connect to Power Outlet:** Plug the 2-prong end of the adapter into a standard 100-240VAC 50/60Hz electrical wall outlet.
4. **Power On:** Once connected, your device should begin charging or power on, depending on its design.



Figure 1: Kircuit 2-Prong 12.6V AC/DC Adapter. This image shows a close-up of the black adapter unit with its specifications label visible, featuring the Kircuit brand and input/output details.



Figure 2: Kircuit Adapter in use. The adapter is shown plugged into a white power strip on a desk, demonstrating a typical usage scenario.

4. OPERATING INSTRUCTIONS

The Kircuit 12.6V AC/DC Adapter is designed for straightforward operation. Once properly connected to a compatible device and a power outlet, it will automatically supply power or charge the device's battery.

- Ensure the adapter is securely plugged into both the wall outlet and your device.
- Monitor your device's charging indicator (if available) to confirm it is receiving power.
- Avoid using the adapter in environments with extreme temperatures or high humidity.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Kircuit AC/DC adapter, follow these simple maintenance guidelines:

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

extreme temperatures. Avoid tightly coiling the cable to prevent damage.

- **Cable Care:** Regularly inspect the power cord for any cuts, fraying, or bends. Do not use the adapter if the cable is damaged.

6. TROUBLESHOOTING

6.1 Device Not Charging/Powering On

- **Check Connections:** Ensure the adapter is securely plugged into both the wall outlet and the device.
- **Verify Outlet:** Test the wall outlet with another device to confirm it is functional.
- **Device Compatibility:** Double-check that your device's power requirements match the adapter's output (12.6VDC).
- **Battery Condition:** Rechargeable batteries have a limited lifespan (typically 1 to 3 years). If the battery in your device is old or dead, it may not accept a charge, even with a working charger. This is not an issue with the charger itself.
- **Test Charger Output:** If you suspect the charger is faulty, use a voltmeter to test its output voltage. A working charger should show approximately 12.6VDC.

6.2 Adapter Overheating

- It is normal for adapters to become slightly warm during operation. However, if the adapter becomes excessively hot to the touch, immediately unplug it from the wall and the device.
- Ensure adequate ventilation around the adapter. Do not cover it or place it in an enclosed space.
- If overheating persists, discontinue use and contact customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	Kircuit
Input Voltage	100-240VAC, 50/60Hz
Output Voltage	12.6VDC
Connector Type	Barrel (2-pin)
Compatible Devices	Lienuis Model A12P (and other devices requiring 12.6VDC with compatible connector)
Color	Black
Special Features	OVP, OCP, SCP Protection

8. SUPPORT

For further assistance, technical support, or inquiries regarding your Kircuit 12.6V AC/DC Adapter, please refer to the contact information provided with your purchase or visit the Kircuit official website.

