

Kircuit 5V AC/DC Adapter

Kircuit 5V AC/DC Adapter User Manual

For Philips Hue Bridge 1st, 2nd, and 3rd Generation

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Kircuit 5V AC/DC Adapter. This power supply is designed to provide reliable power to compatible devices, including the Philips Hue Bridge (1st, 2nd, and 3rd Generation). Please read this manual thoroughly before use and retain it for future reference.

2. SAFETY INFORMATION

- **Electrical Safety:** Ensure the power outlet voltage matches the adapter's input specifications (100-240V AC).
- **Indoor Use Only:** This adapter is designed for indoor use in dry locations. Do not expose to water, moisture, or high humidity.
- **Ventilation:** Do not cover the adapter during use, as this may lead to overheating.
- **Damage Inspection:** Regularly inspect the adapter and cable for any signs of damage. Do not use if damaged.
- **Children and Pets:** Keep the adapter out of reach of children and pets.
- **Proper Connection:** Ensure the adapter is fully inserted into the power outlet and the device's power port.
- **Disconnection:** Always grasp the plug, not the cable, when disconnecting from the power outlet.

3. PRODUCT OVERVIEW

The Kircuit 5V AC/DC Adapter is a compact and reliable power solution. It features a standard US 2-prong plug, an integrated cable, and a DC output connector.



Image 3.1: Front view of the Kircuit 5V AC/DC Adapter, showing the main unit, attached power cord, and DC output connector.



Image 3.2: The Kircuit 5V AC/DC Adapter with its 6.5-foot power cord, coiled for storage.

3.1. Built-in Safety Features

This adapter incorporates multiple safety protections to ensure reliable operation and device safety:

Built Safety Protections

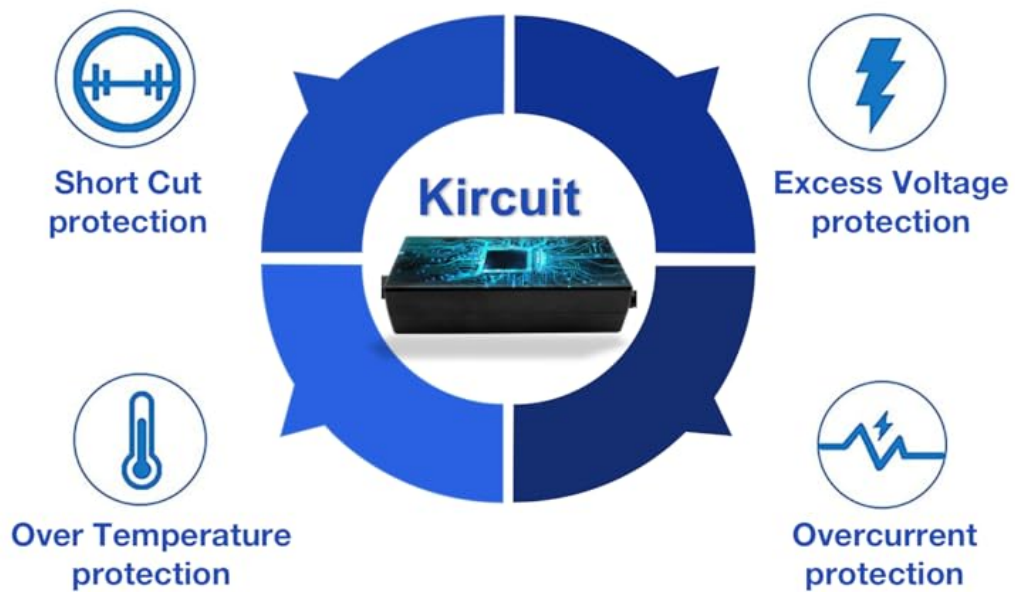


Image 3.3: Diagram illustrating the adapter's safety features, including protection against short circuits, excess voltage, over temperature, and overcurrent.

- **Short Circuit Protection:** Prevents damage from electrical shorts.
- **Excess Voltage Protection:** Safeguards against voltage spikes.
- **Over Temperature Protection:** Monitors and regulates internal temperature.
- **Overcurrent Protection:** Protects against excessive current flow.

3.2. Durable Design

The adapter is constructed with durable materials for longevity.

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 3.4: Illustration of the durable cable design, highlighting thick insulation and abrasion resistance for enhanced protection.

- The power cable features high-quality materials with thick insulation for protection against wear and tear.
- The cable is designed to withstand high temperatures, preventing melting or degradation under normal operating conditions.
- The plug is designed for a secure and stable connection, capable of handling electrical loads without overheating.

4. SETUP INSTRUCTIONS

Follow these steps to set up your Kircuit 5V AC/DC Adapter:

1. **Verify Compatibility:** Ensure your device requires a 5V DC input and has a compatible power port. This adapter is specifically designed for Philips Hue Bridge (1st, 2nd, and 3rd Generation).
2. **Connect to Device:** Insert the DC output connector of the adapter firmly into the power input port of your Philips Hue Bridge or other compatible device.
3. **Connect to Power Outlet:** Plug the adapter's AC prongs into a standard 100-240V AC wall outlet.
4. **Power On:** Once connected, your device should receive power and begin operation.



Image 4.1: The Kircuit 5V AC/DC Adapter connected to a power strip, demonstrating a typical setup.

5. OPERATION

The Kircuit 5V AC/DC Adapter operates automatically once connected to a power source and a compatible device. It provides a stable 5V DC output to power your device. There are no user-adjustable settings on the adapter itself.

6. MAINTENANCE

- **Cleaning:** Disconnect the adapter from the power outlet and the device before cleaning. Use a dry, soft cloth to wipe the surface. 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.
- **Inspection:** Periodically check the cable and adapter housing for any signs of wear, cuts, or damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not powering on.	Adapter not properly plugged in. Power outlet is not active. Device power port is faulty. Adapter is faulty.	Ensure adapter is fully inserted into the wall outlet. Test the outlet with another device. Try connecting the adapter to a different compatible device. If possible, test with another known-good adapter.
Adapter feels hot during use.	Normal operation (slight warmth). Poor ventilation. Overload or internal fault.	A slight warmth is normal. Ensure the adapter is not covered. Disconnect immediately if excessively hot or emitting smoke/smell. Contact support.
Loose connection.	Worn out power port on device. Damaged adapter plug.	Ensure the DC connector is fully inserted. If the connection remains loose, the device's port or the adapter's plug may be damaged.

8. SPECIFICATIONS

Model: Kircuit 5V AC/DC Adapter
Input: 100-240V AC, 50/60Hz, 0.3A
Output: 5V DC
Cable Length: Approximately 6.5 ft (2 meters)
Certifications: CE
Compatibility: Philips Hue Bridge (1st, 2nd, 3rd Generation) and other compatible 5V DC devices.

9. WARRANTY AND SUPPORT

Kircuit products are designed for reliability and performance. For information regarding warranty coverage, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official Kircuit website. Please have your product model number and purchase details available when contacting support.

Manufacturer: Kircuit

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

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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.

Submit question