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Kircuit Kircuit 5V 3A AC/DC Adapter

Kircuit 5V AC/DC Adapter User Manual

Model: Kircuit 5V 3A AC/DC Adapter

Compatible with BUTURE BR700 150PSI 3500A Portable Car Jump Starter

1. Introduction

This manual provides essential information for the safe and effective use of your Kircuit 5V AC/DC Adapter. This adapter is designed to provide a stable 5V 3A power supply, specifically compatible with devices such as the BUTURE BR700 Portable Car Jump Starter. Please read these instructions carefully before use and retain them for future reference.

2. Safety Information

Your Kircuit AC/DC Adapter is engineered with multiple safety protections to ensure reliable operation and prevent damage to both the adapter and your connected devices. Adhere to the following safety guidelines:

- Ensure the adapter's input voltage (100V-240V AC) matches your power outlet specifications.
- Do not expose the adapter to water, moisture, or extreme temperatures.
- Avoid dropping or subjecting the adapter to severe impacts.
- Do not attempt to disassemble or modify the adapter.
- Unplug the adapter from the power outlet when not in use or during electrical storms.

The adapter incorporates built-in safety features:

- **Short Circuit Protection:** Prevents damage from accidental short circuits.
- **Excess Voltage Protection:** Safeguards against over-voltage conditions.
- **Over Temperature Protection:** Monitors and regulates internal temperature to prevent overheating.
- **Overcurrent Protection:** Protects against excessive current draw.

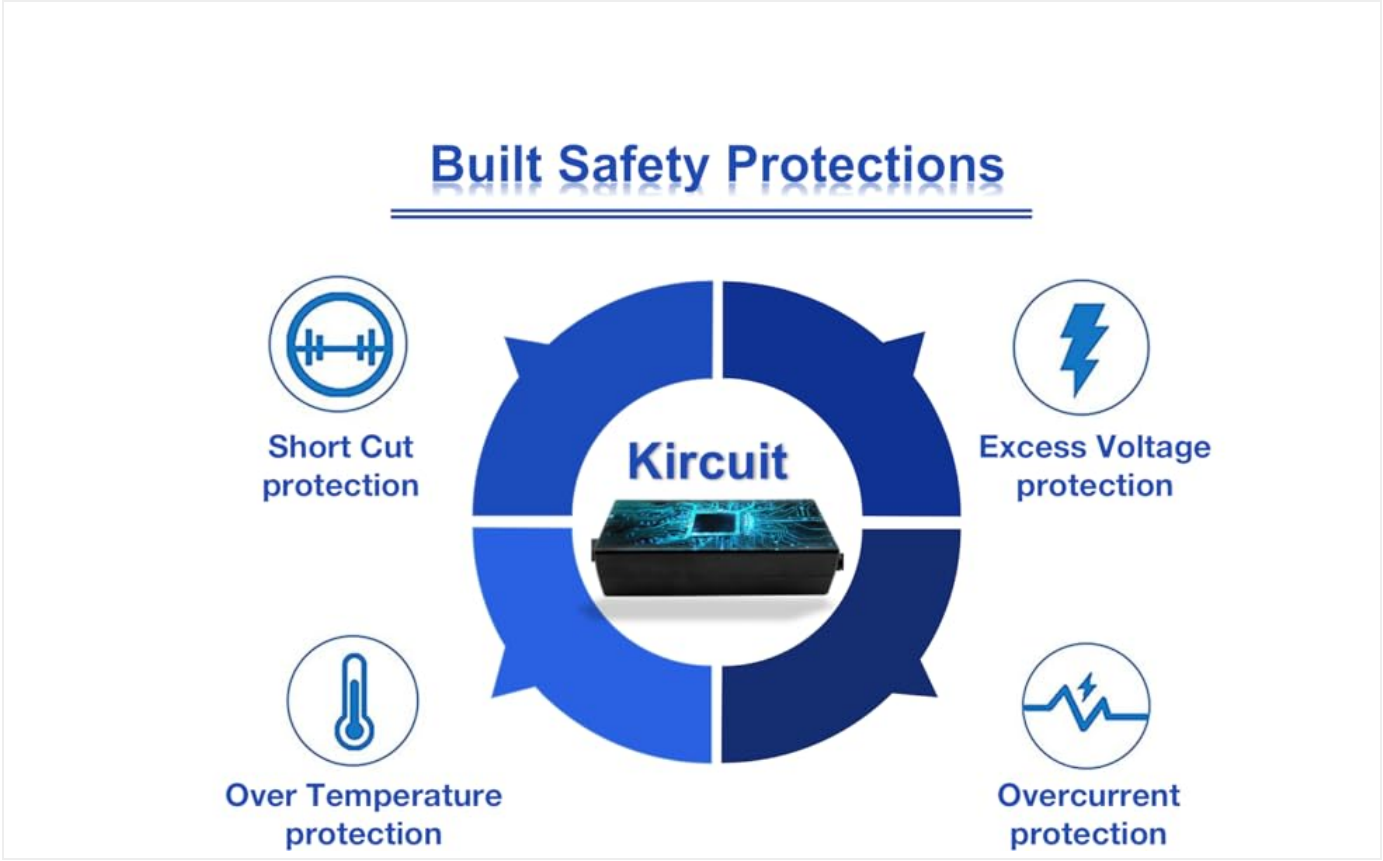

Image: Built-in Safety Protections. This diagram visually represents the four core safety features integrated into the Kircuit adapter: short circuit protection, excess voltage protection, over temperature protection, and overcurrent protection, all designed to ensure safe operation.

3. Product Features

The Kircuit 5V AC/DC Adapter is designed for durability and reliable performance:

- **High-Quality Construction:** Made with robust materials for longevity.
- **Wide Input Voltage:** Supports 100V-240V AC, suitable for various regions.
- **Integrated Protection:** Features Dynamic IC, Charger IC, and Power fuse for rapid and safe charging.

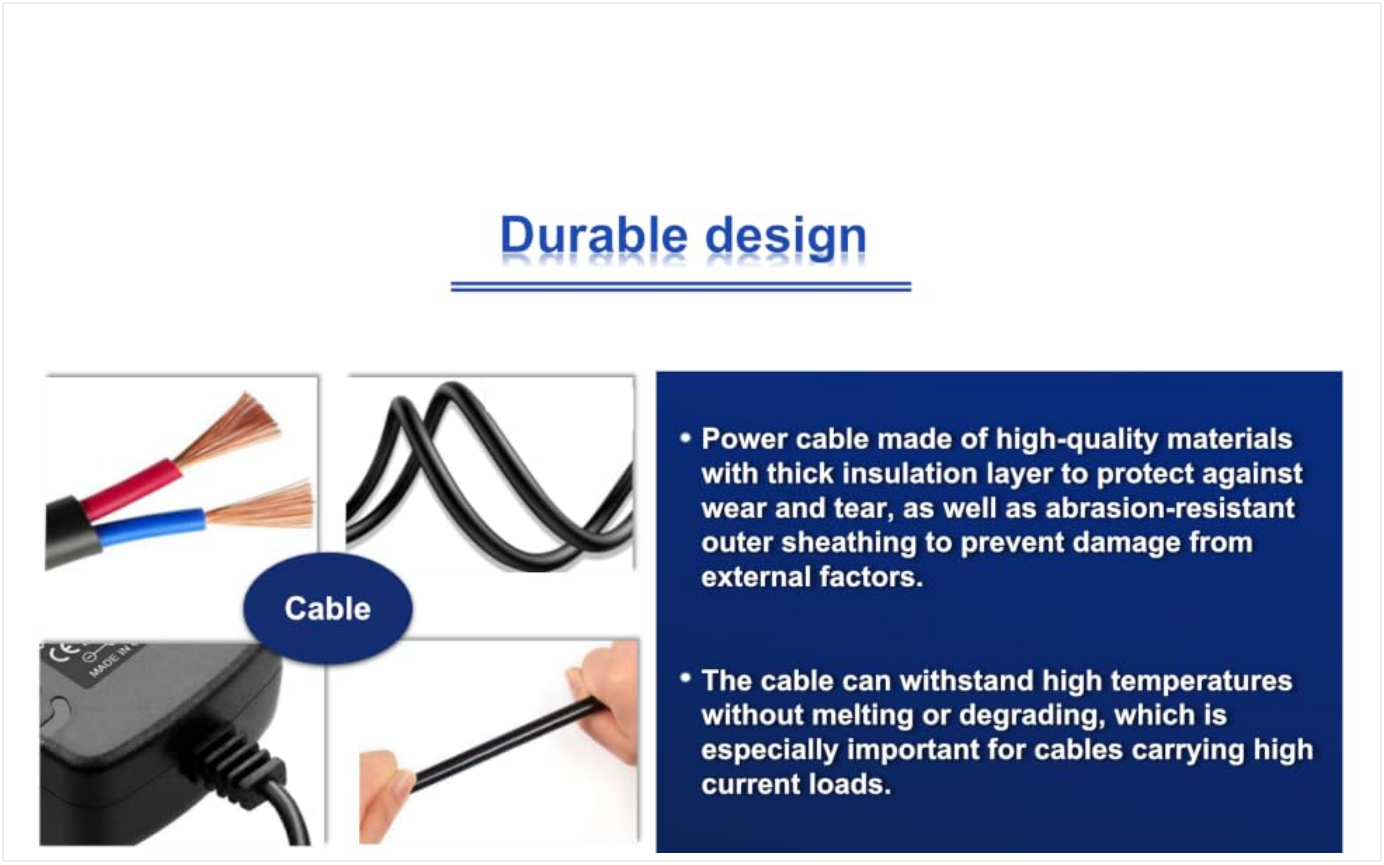

Image: Durable Cable Design. This image highlights the robust construction of the power cable, featuring high-quality materials with thick insulation for protection against wear and tear, and abrasion-resistant outer sheathing. The cable is designed to withstand high temperatures without degradation, crucial for handling current loads.

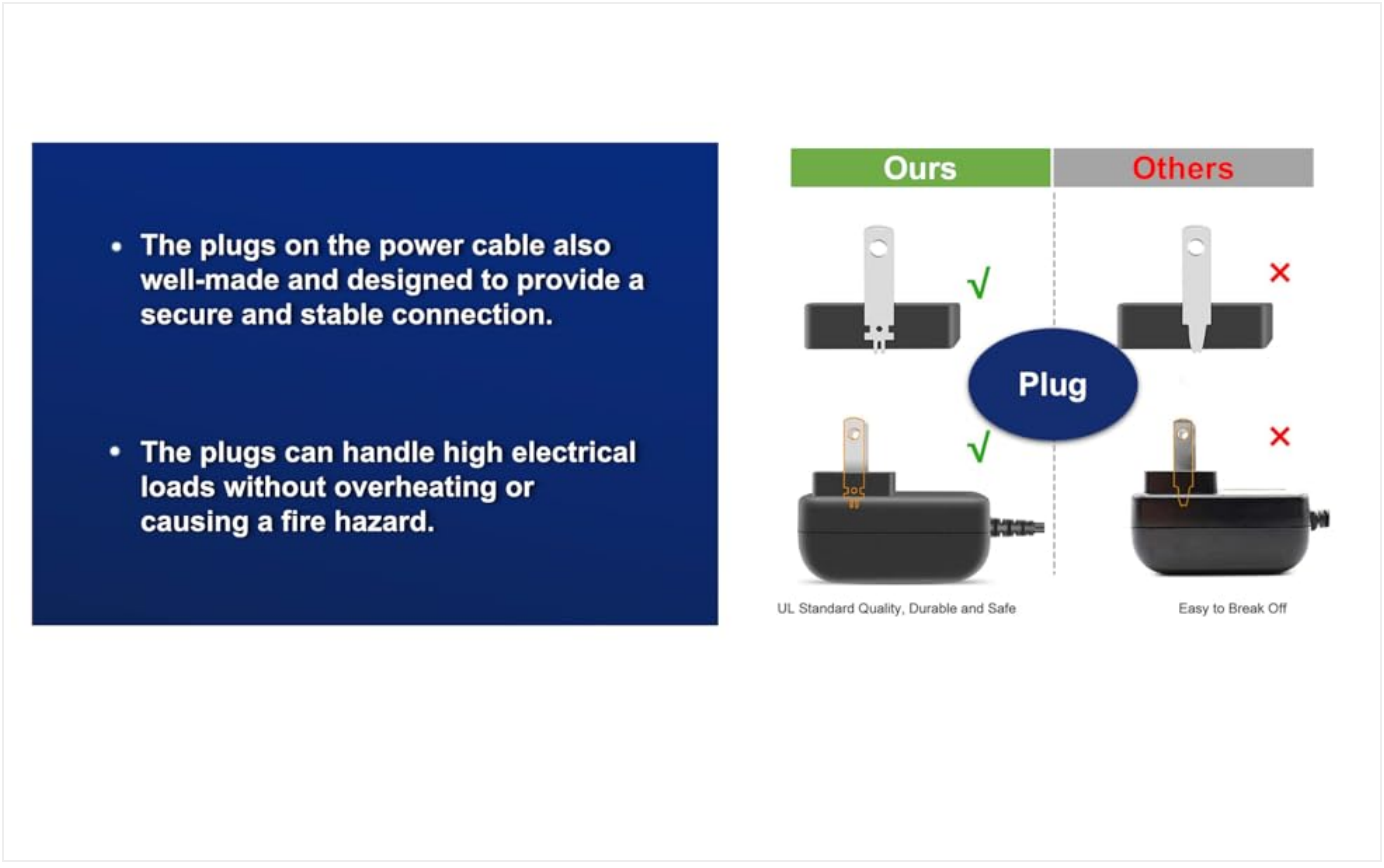

Image: Secure Plug Design. This comparison illustrates the well-made and secure design of the Kircuit adapter's plugs, ensuring a stable connection. These plugs are built to handle electrical loads without overheating, reducing fire hazards, in contrast to less robust alternatives.

4. Setup

1. **Unpack the Adapter:** Carefully remove the Kircuit 5V AC/DC Adapter from its packaging.
2. **Inspect for Damage:** Before use, visually inspect the adapter and its cable for any signs of damage. Do not use if damaged.
3. **Connect to Device:** Plug the DC output connector of the Kircuit adapter into the charging port of your compatible device, such as the BUTURE BR700 Portable Car Jump Starter. Ensure a firm and secure connection.
4. **Connect to Power Outlet:** Insert the AC input plug of the adapter into a standard 100V-240V AC wall power outlet.

The device should now begin charging. Refer to your device's manual for specific charging indicators.

5. Operating Instructions

Using the Kircuit 5V AC/DC Adapter is straightforward:

1. Once connected as described in the Setup section, the adapter will automatically begin supplying power to your compatible device.
2. Monitor your device's charging indicator to confirm it is receiving power.
3. The adapter is designed for continuous use during charging. However, for optimal battery health of your device, refer to its specific charging guidelines.
4. When charging is complete, first disconnect the adapter from the wall outlet, then disconnect the DC connector from your device.

6. Maintenance

To ensure the longevity and optimal performance of your Kircuit 5V AC/DC Adapter, follow these maintenance tips:

- **Cleaning:** Use a soft, dry cloth to wipe the adapter. Do not use liquid cleaners or solvents.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and moisture when not in use.
- **Cable Care:** Avoid bending or kinking the cable sharply, especially near the connectors, to prevent internal wire damage.
- **Inspection:** Periodically inspect the adapter and cable for any signs of wear, cuts, or damage. Replace if any damage is observed.

7. Troubleshooting

If you encounter issues with your Kircuit 5V AC/DC Adapter, refer to the following common troubleshooting steps:

- **Device Not Charging:**
  - Ensure the adapter is securely plugged into both the wall outlet and your device.
  - Check if the wall outlet is functional by plugging in another device.
  - Verify that your device is compatible with a 5V 3A power supply.
  - Inspect the adapter cable and connectors for any visible damage.
- **Adapter Overheating:**
  - A slight warmth during operation is normal. However, if the adapter becomes excessively hot, disconnect it immediately.

- Ensure the adapter is used in a well-ventilated area and not covered.
- Confirm that the connected device is not drawing more current than the adapter's rated output (5V 3A).

- **Loose Connection:**
  - If the connection feels loose, ensure the plug is fully inserted.
  - Avoid pulling the cable by the cord; always grasp the plug when disconnecting.

If these steps do not resolve the issue, contact customer support for further assistance.

8. Specifications

Feature	Specification
Brand	Kircuit
Model	5V 3A AC/DC Adapter
Input Voltage	100V-240V AC
Output Voltage	5 Volts
Current Rating	3 Amps
Power Source	Corded Electric
Special Feature	Portable, Travel
Main Power Connector Type	2 Pin
Manufacturer	Shenzhen Waweis Technology Co., Ltd
First Available Date	June 25, 2023

9. Warranty and Support

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the seller directly. The manufacturer is Shenzhen Waweis Technology Co., Ltd.

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