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› Instruction Manual for Kircuit 9V AC/DC Adapter

Kircuit Kircuit 9V AC/DC Adapter

Instruction Manual for Kircuit 9V AC/DC Adapter

Model: Kircuit 9V AC/DC Adapter

1. PRODUCT OVERVIEW

This instruction manual provides essential information for the safe and effective use of your Kircuit 9V AC/DC Adapter. This high-quality power supply is designed to provide stable and reliable power for compatible devices, such as the Grundig Yacht Boy YB 500, YB500, NR90, NR 90, NR 90-1, and NR90-1 radio world receivers.

The adapter features a universal input voltage range of 100V-240V AC, making it suitable for various regions. It incorporates built-in safety features including dynamic IC, charger IC, and power fuse for rapid charging and protection against overcharge, short circuits, excess voltage, over temperature, and overcurrent.



Figure 1.1: The Kircuit 9V AC/DC Adapter with its power cord. This image displays the main unit of the adapter, showing its compact black

casing and the attached power cord, which is neatly coiled.

2. SAFETY INFORMATION

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Indoor Use Only:** This adapter is designed for indoor use in dry locations. Do not expose to rain, moisture, or extreme temperatures.
- **Proper Voltage:** Ensure the input voltage of the power outlet matches the adapter's specifications (100V-240V AC).
- **Overload Protection:** Do not overload the power outlet or extension cords.
- **Ventilation:** Ensure adequate ventilation around the adapter during use. Do not cover the adapter.
- **Damage Inspection:** Regularly inspect the adapter and cord for any signs of damage. Do not use if damaged.
- **Disconnecting Power:** Always unplug the adapter from the power outlet before cleaning or if it will not be used for an extended period.
- **Child Safety:** Keep out of reach of children.

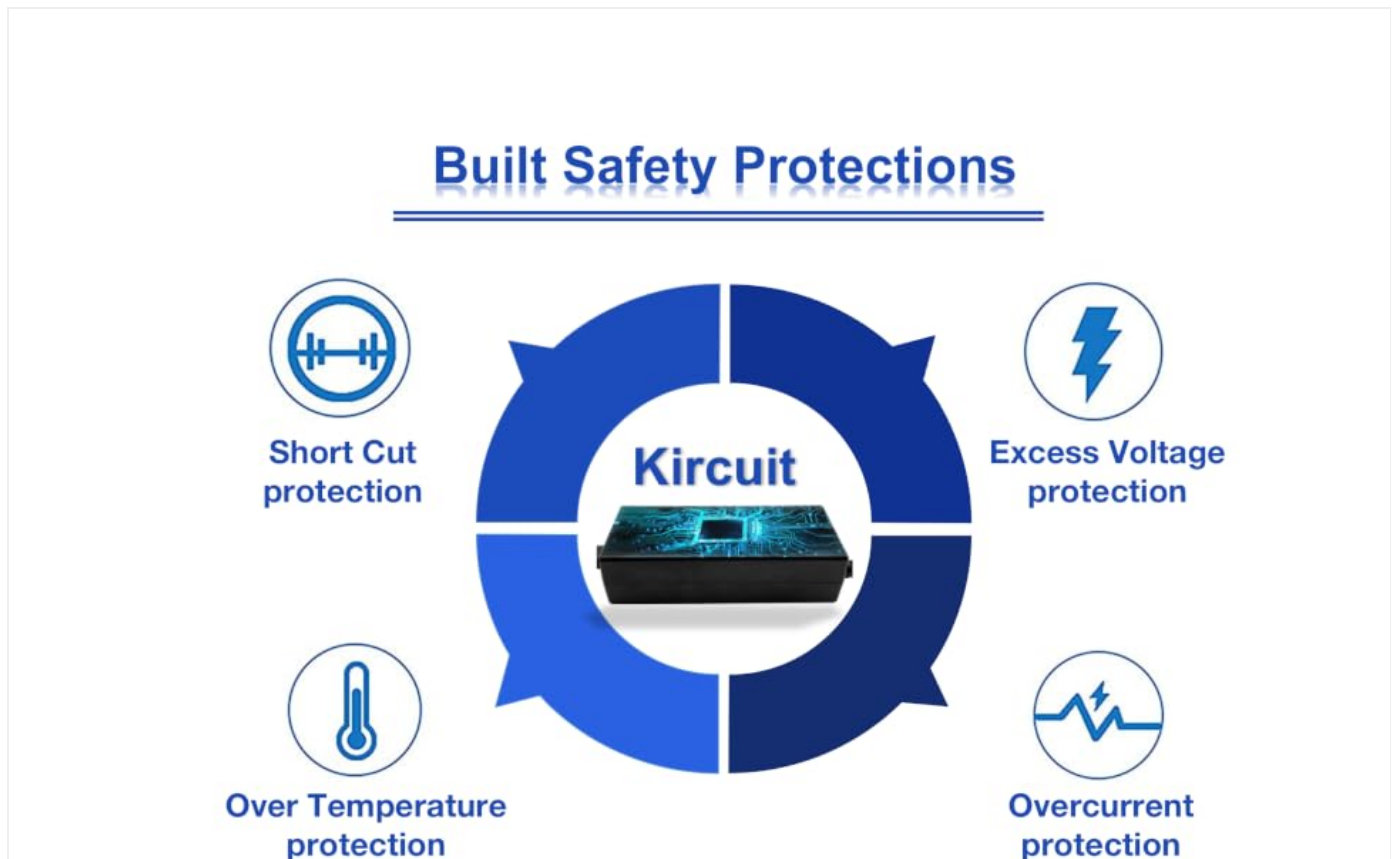


Figure 2.1: Illustration of the Kircuit adapter's built-in safety protections. This diagram highlights key safety features such as short circuit protection, excess voltage protection, over temperature protection, and overcurrent protection, ensuring safe operation.

3. SETUP

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

1. **Verify Compatibility:** Ensure your device requires a 9V DC power input and has a compatible barrel connector. This adapter is specifically designed for Grundig Yacht Boy YB 500, YB500, NR90, NR 90, NR 90-1, and NR90-1 radio world receivers.
2. **Connect to Device:** Insert the barrel connector of the adapter into the DC input port of your Grundig radio or other compatible device.

3. **Plug into Power Outlet:** Plug the AC prongs of the adapter into a standard 100V-240V AC wall outlet.
4. **Power On Device:** Once connected, power on your device as per its own instruction manual.



Figure 3.1: The Kircuit adapter connected to a power strip. This image demonstrates the adapter plugged into a multi-outlet power strip, illustrating a typical setup scenario. The cord length is indicated as 6.5 ft.

4. OPERATING INSTRUCTIONS

The Kircuit 9V AC/DC Adapter operates automatically once connected to a power source and a compatible device. It provides a stable 9V DC output to power your electronic equipment.

- Ensure the adapter is securely plugged into both the wall outlet and your device.
- The adapter is designed for continuous operation within its specified limits.
- If your device is not powering on, refer to the Troubleshooting section.

5. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your adapter.

- **Cleaning:** Disconnect the adapter from power 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 coiling the cord to prevent damage.
- **Cord Care:** Do not bend, twist, or pull the power cord excessively. Avoid placing heavy objects on the cord.
- **Durability:** The power cable is made of high-quality materials with thick insulation and is abrasion-resistant to protect against external factors. The cable can withstand high temperatures without melting or degrading.

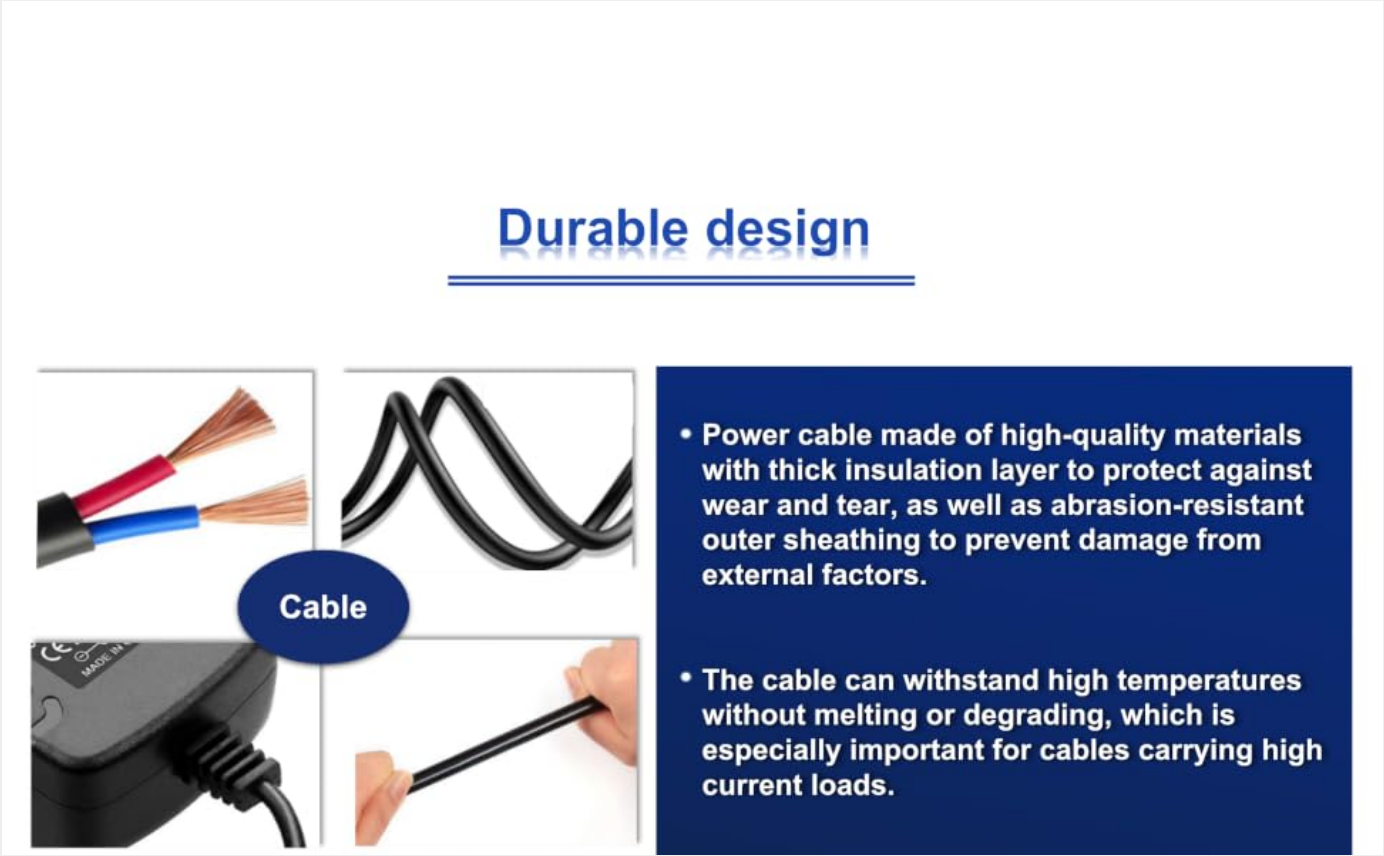


Figure 5.1: Visual representation of the durable design of the Kircuit power cable. This image shows the internal structure of the cable, highlighting its robust insulation and materials designed for longevity and resistance to wear and tear.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Device not powering on.	Adapter not properly plugged in. Power outlet is not active. Device requires different voltage/current. Adapter or device is faulty.	Ensure adapter is securely plugged into both the wall outlet and the device. Test the power outlet with another device. Verify your device's power requirements match the adapter's specifications (9V DC, 0.5A-1A). If issues persist, contact customer support.

Problem	Possible Cause	Solution
Adapter feels hot during use.	Normal operation heat. Poor ventilation. Overload.	A slight warmth is normal. Ensure adequate airflow around the adapter. Do not cover it. Ensure the connected device's power draw is within the adapter's 1A limit. If it becomes excessively hot, unplug immediately.

7. SPECIFICATIONS

- **Model:** Kircuit 9V AC/DC Adapter
- **Input:** 100V-240V AC, 50/60Hz, 0.3A
- **Output:** 9V DC, 0.5A - 1A (500mA - 1000mA)
- **Compatibility:** Designed for Grundig Yacht Boy YB 500, YB500, NR90, NR 90, NR 90-1, NR90-1 Radio World Receivers and other compatible 9V DC devices.
- **Cord Length:** Approximately 6.5 feet (1.98 meters)
- **Safety Features:** Built-in Dynamic IC, Charger IC & Power fuse for overcharge, short circuit, excess voltage, over temperature, and overcurrent protection.
- **Item Weight:** Approximately 8 ounces (227 grams)
- **Manufacturer:** Kircuit

8. WARRANTY AND SUPPORT

Warranty Information: Specific warranty terms for this Kircuit product are typically provided by the seller at the time of purchase or included with the product packaging. Please refer to your purchase documentation or contact the seller directly for detailed warranty coverage.

Customer Support: For technical assistance, troubleshooting beyond this manual, or inquiries regarding your product, please contact Kircuit customer support or the seller from whom you purchased the adapter. Provide your product model and purchase details when seeking support.

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