

Kircuit AC Adapter Charger (Compatible with Delphi SA10315, SA10316)

Kircuit AC Adapter Charger User Manual

For Delphi XpressRC XM SA10315 & SA10316

1. INTRODUCTION

This manual provides instructions for the safe and efficient use of your Kircuit AC Adapter Charger. Please read this manual thoroughly before use and retain it for future reference. This adapter is designed to provide reliable power to compatible Delphi XpressRC XM devices, specifically models SA10315 and SA10316.

2. SAFETY INFORMATION

To ensure safe operation and prevent damage, observe the following safety precautions:

- Do not expose the adapter to water, moisture, or extreme temperatures.
- Avoid dropping or subjecting the adapter to strong impacts.
- Do not attempt to disassemble or modify the adapter.
- Ensure the adapter is used with devices that match its voltage and current specifications.
- Unplug the adapter from the wall outlet when not in use for extended periods.
- Keep out of reach of children.

This Kircuit AC Adapter Charger features built-in safety protections, including:

- **Short Circuit Protection:** Prevents damage from electrical shorts.
- **Excess Voltage Protection:** Safeguards against overvoltage conditions.
- **Over Temperature Protection:** Protects against overheating.
- **Overcurrent Protection:** Prevents damage from excessive current flow.



Figure 2.1: Diagram showing the Kircuit adapter's built-in safety

protections.

3. SETUP

Follow these steps to set up your Kircuit AC Adapter Charger:

1. **Identify the Device:** Ensure your device is a Delphi XpressRC XM model SA10315 or SA10316, or another device requiring a 5V DC, 2A power supply with a compatible barrel connector.
2. **Connect to Device:** Insert the adapter's barrel connector firmly into the power input port of your Delphi XpressRC XM device.
3. **Connect to Power Outlet:** Plug the AC prongs of the adapter into a standard 100V-240V AC wall outlet.



Figure 3.1: The Kircuit AC adapter connected to a power strip.



Figure 3.2: The Kircuit AC adapter showing its 6.5 ft power cord.

4. OPERATING INSTRUCTIONS

The Kircuit AC Adapter Charger operates on a plug-and-play principle. Once properly connected to both the power outlet and your compatible device, it will automatically begin supplying power.

- Ensure all connections are secure before powering on your device.
- The adapter is designed for continuous use within its specified operating parameters.

5. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your adapter:

- **Cleaning:** Use a dry, soft 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 extreme temperatures when not in use.
- **Cable Care:** Avoid sharp bends or kinks in the power cord. Do not place heavy objects on the cord.

Durable design



Figure 5.1: Illustration of the adapter's durable cable design.

6. TROUBLESHOOTING

If you encounter issues with your Kircuit AC Adapter Charger, refer to the following common solutions:

- **No Power to Device:**
 - Ensure the adapter is securely plugged into both the wall outlet and your device.
 - Verify the wall outlet is functional by testing it with another appliance.
 - Check the power input port on your device for any obstructions or damage.
- **Adapter Overheating:**
 - Ensure the adapter is not covered or placed in an enclosed space that restricts airflow.
 - Verify the device connected is compatible and not drawing excessive power.
- **Device Not Charging/Operating Correctly:**
 - Confirm the adapter's output specifications (5V DC, 2A) match your device's requirements.
 - Test with another compatible power adapter if available, to rule out device issues.

If problems persist after attempting these steps, discontinue use and contact customer support.

7. SPECIFICATIONS

Manufacturer	Kircuit
Input Voltage	100-240V AC, 50/60Hz, 0.3A
Output Voltage/Current	5V DC, 2A
Item Weight	8 ounces
Cord Length	6.5 feet (approximately 1.98 meters)
Compatibility	Delphi XpressRC XM SA10315, SA10316



Figure 7.1: Front view of two Kircuit AC adapters, displaying product specifications on the label.

8. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical assistance, please refer to the product packaging or contact Kircuit customer service directly. Contact details can typically be found on the product's retail packaging or the manufacturer's official website.
