

## Kircuit C230, C250, C310, C317, C323, C520, C523, C710, 810

# Kircuit Car Charger User Manual

FOR MIO DIGIWALKER GPS MODELS: C230, C250, C310, C317, C323, C520, C523, C710, 810

## 1. Introduction

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This manual provides essential instructions for the safe and effective use of your Kircuit Car Charger. This charger is designed to provide reliable power to your Mio Digiwalker GPS device while in your vehicle. Please read this manual thoroughly before use and retain it for future reference.

**Compatible Mio Digiwalker GPS Models:** C230, C250, C310, C317, C323, C520, C523, C710, 810.

## 2. Product Overview and Safety Features

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The Kircuit Car Charger is a high-quality replacement power adapter featuring built-in safety mechanisms to protect your device and vehicle.

# POWER SAFE

# WITH KIRCUIT



Image: Kircuit Car Charger highlighting its power safety features.

This charger incorporates a Dynamic IC, Charger IC, and Power fuse for rapid charging and protection against overcharge. It is designed for input voltages ranging from 12V to 24V, making it suitable for most standard vehicle power outlets.

## Built Safety Protections



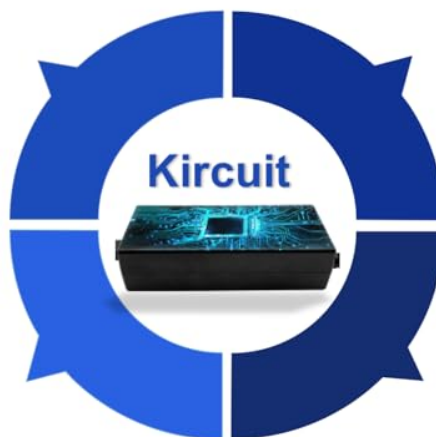
Short Cut  
protection



Excess Voltage  
protection



Over Temperature  
protection



Overcurrent  
protection

Image: Diagram illustrating the charger's built-in safety protections, including short circuit, excess voltage, over temperature, and overcurrent protection.

### Built-in Safety Protections:

- **Short Circuit Protection:** Prevents damage from electrical shorts.
- **Excess Voltage Protection:** Safeguards against voltage spikes.
- **Over Temperature Protection:** Monitors and prevents overheating.

- **Overcurrent Protection:** Protects against excessive current flow.

### 3. Setup Instructions

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1. **Locate Vehicle Power Outlet:** Identify the 12V-24V power outlet (often labeled as a cigarette lighter socket) in your vehicle.
2. **Connect Charger to Vehicle:** Insert the car charger's plug firmly into the vehicle's power outlet. Ensure a secure connection.
3. **Connect Charger to GPS Device:** Plug the charger's output connector into the corresponding power input port on your Mio Digiwalker GPS device.
4. **Verify Connection:** Confirm that your GPS device indicates it is receiving power or charging.

### 4. Operating Instructions

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Once connected, the Kircuit Car Charger will automatically begin supplying power to your Mio Digiwalker GPS device. No additional steps are required for operation.


- Ensure your vehicle's ignition is on for the power outlet to be active, if applicable to your vehicle model.
- The charger is designed for continuous use during vehicle operation.

### 5. Maintenance and Care

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Proper care ensures the longevity and optimal performance of your car charger.

### 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: Detailed view of the charger's durable cable design, showing high-quality materials and thick insulation.

- **Cleaning:** Use a dry, soft cloth to clean the charger. Do not use liquid cleaners or solvents.
- **Cable Care:** Avoid sharp bends, kinks, or excessive pulling on the cable. The power cable is made of high-quality materials with thick insulation to protect against wear and tear and external factors. It can withstand high temperatures without melting or degrading, which is crucial for high current loads.

- **Storage:** When not in use, store the charger in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Plug Integrity:** The plugs are well-made and designed for a secure and stable connection, capable of handling electrical loads without overheating. Ensure the plug remains free from debris and damage.

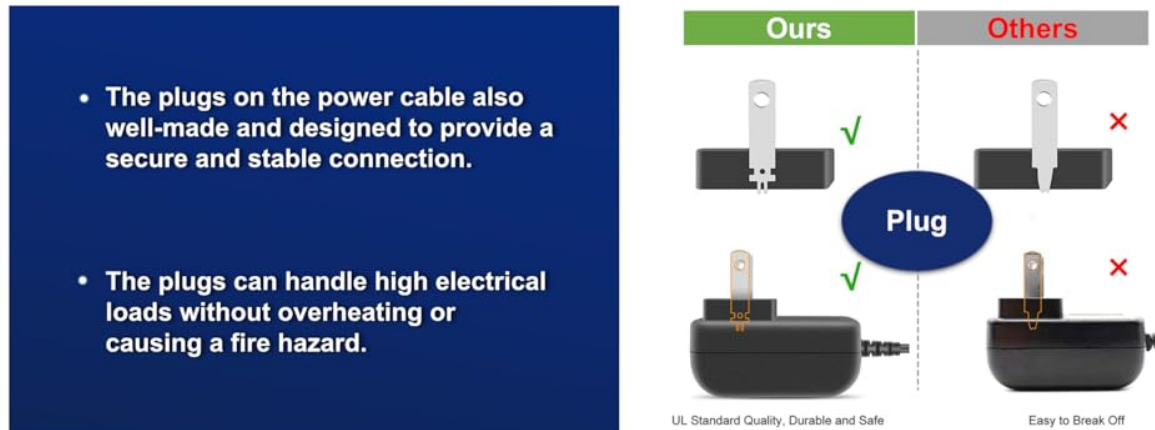


Image: Comparison highlighting the robust, UL-standard quality of the Kircuit charger plug versus a less durable alternative.

## 6. Troubleshooting

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

- **Device Not Charging:**
  - Ensure the charger is securely plugged into both the vehicle's power outlet and the GPS device.
  - Check if the vehicle's power outlet is functional (e.g., by testing with another device).
  - Verify that your vehicle's ignition is on, as some power outlets only operate when the engine is running.
  - Inspect the charger cable and connectors for any visible damage.
- **Intermittent Charging:**
  - Ensure all connections are tight and free from movement.
  - Clean any dust or debris from the power outlet and charger connectors.
- **Charger Overheating:**
  - While the charger has over-temperature protection, ensure it is not covered or placed in an area with poor ventilation.
  - If overheating persists, discontinue use and contact support.

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

## 7. Specifications

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- **Brand:** Kircuit
- **Input Voltage:** 12V - 24V DC
- **Safety Features:** Dynamic IC, Charger IC, Power Fuse, Short Circuit Protection, Excess Voltage Protection, Over Temperature Protection, Overcurrent Protection
- **Compatibility:** Mio Digiwalker GPS Models C230, C250, C310, C317, C323, C520, C523, C710, 810
- **Manufacturer:** Kircuit
- **ASIN:** B08JG78LRK
- **First Available Date:** September 18, 2020

## 8. Warranty and Support

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For warranty information or technical support, please refer to the documentation included with your purchase or visit the official Kircuit website. Please have your product model and purchase details available when contacting support.