Kircuit MRC-A-207310

Kircuit 12V AC/DC Adapter User Manual

Compatible with Arcade1Up Model MRC-A-207310

1. Introduction

This manual provides essential instructions for the safe and effective use of your Kircuit 12V AC/DC Adapter. This adapter is designed to convert AC power from a standard electrical outlet into the DC power required by compatible devices, specifically Arcade1Up Model MRC-A-207310 arcade cabinets, including Marvel VS Capcom I & II models with lit marquees and risers. Please read this manual thoroughly before use and retain it for future reference.

2. Important Safety Instructions

- **Compatibility:** This adapter is specifically designed for **12V** devices. **DO NOT** use with 5V devices or any device not listed as compatible. Verify your device's power requirements before connecting.
- **Indoor Use Only:** This adapter is intended for indoor use in dry locations. Do not expose to rain, moisture, or extreme temperatures.
- **Proper Ventilation:** Ensure the adapter has adequate ventilation. Do not cover it or place it in an enclosed space during operation.
- **Power Source:** Connect the adapter only to a properly grounded electrical outlet within the specified input voltage range (100V-240V AC).
- **Cable Care:** Do not place heavy objects on the power cord or subject it to sharp bends. Avoid pulling the cord to disconnect from the outlet.
- **Damage:** If the adapter or cord appears damaged, discontinue use immediately and contact customer support. Do not attempt to repair the adapter yourself.
- **Children:** Keep the adapter out of reach of children.

3. Package Contents

Your package should contain the following items:

- 1 x Kircuit 12V AC/DC Power Adapter
- 1 x AC Power Cord (detachable)

4. Product Overview

The Kircuit 12V AC/DC Adapter is designed for reliable power delivery. It features a robust construction and includes built-in protection mechanisms.



Figure 4.1: Kircuit 12V AC/DC Adapter. This image shows the main adapter unit and its detachable AC power cord, coiled neatly.

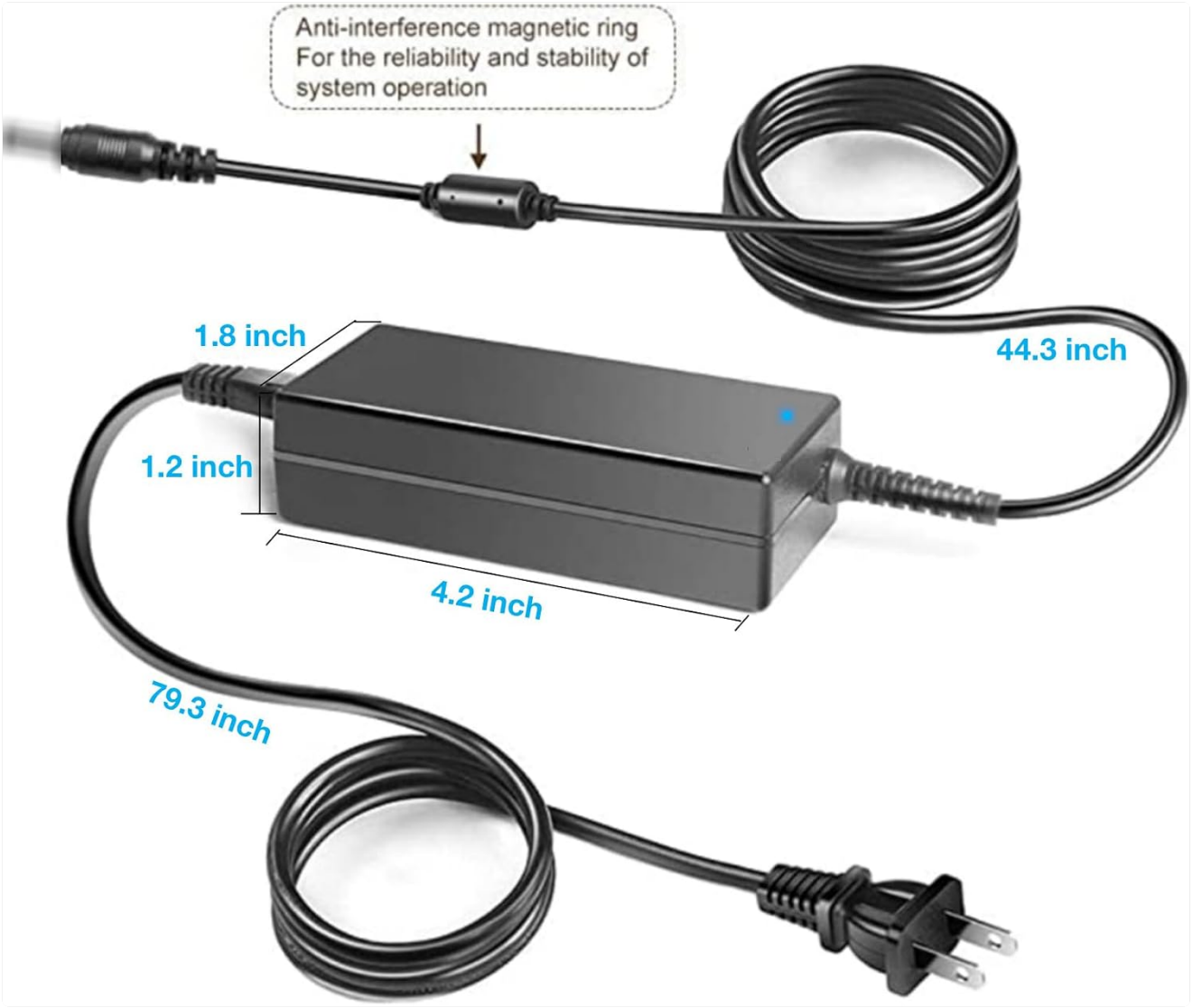


Figure 4.2: Adapter Dimensions and Features. This image highlights the physical dimensions of the adapter (approx. 4.2 x 1.8 x 1.2 inches) and points out the anti-interference magnetic ring on the DC output cable, designed for stable system operation.

Key Features:

- **Universal Input:** Supports 100V-240V AC, suitable for global use.
- **Output:** Provides stable 12V DC power.
- **Safety Protections:** Built-in Dynamic IC, Charger IC, and power fuse for rapid charging and protection against overcharge, overcurrent, and short circuits.
- **Anti-interference Magnetic Ring:** Enhances signal stability and reliability.

5. Setup Instructions

Follow these steps to properly connect your Kircuit 12V AC/DC Adapter to your Arcade1Up cabinet:

1. **Verify Compatibility:** Ensure your Arcade1Up cabinet (e.g., Model MRC-A-207310, 8210 Marvel VS Capcom I/II) requires a 12V power supply. **This adapter is NOT for 5V versions.**
2. **Connect AC Cord:** Plug the detachable AC power cord into the adapter's input port. Ensure it is firmly seated.
3. **Connect to Device:** Insert the barrel connector of the adapter's DC output cable into the power input port of your Arcade1Up cabinet.
4. **Connect to Power Outlet:** Plug the AC power cord into a standard, grounded 100V-240V AC electrical wall outlet.



Figure 5.1: Adapter Connected to Power. This image shows the Kircuit adapter plugged into a standard wall outlet, ready to power a compatible device.

Once connected, your Arcade1Up cabinet should power on, and any lit marquee or riser should illuminate, indicating successful power delivery.

6. Operating Instructions

The Kircuit 12V AC/DC Adapter operates automatically once connected to a power source and a compatible device. No user intervention is required for its basic function.

- Ensure all connections are secure before powering on your device.
- The adapter is designed for continuous operation within its specified limits.
- To disconnect power, unplug the AC power cord from the wall outlet first, then disconnect the barrel connector from your device.

7. Maintenance

Proper care will extend the life of your adapter:

- **Cleaning:** Disconnect the adapter from all power sources before cleaning. Use a soft, dry cloth to wipe the exterior. 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 cables to prevent damage.
- **Inspection:** Periodically inspect the adapter and cables for any signs of wear, cuts, or damage. If damage is found, discontinue use.

8. Troubleshooting

If you encounter issues with your adapter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	No power from outlet. Loose connection. Incorrect voltage device. Damaged adapter/cable.	Test outlet with another device. Ensure all cables are securely plugged in. Verify your device requires 12V (not 5V). Inspect for damage; replace if necessary.
Adapter feels warm during use.	Normal operation. Poor ventilation.	A slight warmth is normal. Ensure adapter is not covered and has airflow. If excessively hot, disconnect and contact support.
Intermittent power.	Loose connection. Faulty outlet.	Check all connections. Try a different electrical outlet.

If troubleshooting steps do not resolve the issue, please contact Kircuit customer support.

9. Specifications

Feature	Detail
Brand	Kircuit
Model Compatibility	Arcade1Up Model MRC-A-207310, 8210 Marvel VS Capcom I/II
Input Voltage	100-240V AC, 50/60Hz
Output Voltage	12V DC
Connector Type	Barrel Connector
Special Features	Dynamic IC, Charger IC & Power fuse for rapid charging and over charge protection. Anti-interference magnetic ring.

Feature	Detail
Color	Black
Manufacturer	Shenzhen Waweis Technology Co., Ltd

10. Warranty Information

This Kircuit 12V AC/DC Adapter is a brand new, high-quality product. Standard manufacturer's warranty applies to defects in materials and workmanship under normal use. Please refer to the product packaging or your purchase documentation for specific warranty duration and terms. Keep your proof of purchase for warranty claims.

11. Customer Support

For technical assistance, warranty claims, or any questions regarding your Kircuit 12V AC/DC Adapter, please contact the seller or Kircuit customer support through the platform where the product was purchased. Provide your product model number (MRC-A-207310) and purchase details for faster service.

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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