

Kircuit Fast 5290

Kircuit 12V AC/DC Adapter User Manual

For Sagemcom Fast 5290, FWR226e, and Compatible Devices

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Kircuit 12V AC/DC Adapter. This power supply is designed to convert standard AC wall power into the DC power required by compatible devices, such as the Sagemcom Fast 5290 Fiber Wireless Router.

Key Features:

- **Wide Input Voltage:** Supports 100-240VAC, 50/60Hz for global compatibility.
- **Safety Protections:** Includes Over Voltage Protection (OVP), Over Current Protection (OCP), and Short Circuit Protection (SCP) to safeguard your devices.
- **Reliable Performance:** Tested and validated to ensure compatibility and stable operation with specified Sagemcom router models.
- **Portable Design:** Suitable for use at home, in the office, or while traveling.



Figure 1: The Kircuit 12V AC/DC Adapter, showing the main power brick, AC input cord, and DC output cable with barrel connector.

2. SETUP AND CONNECTION

Follow these steps to properly connect your AC/DC adapter to your device and power source.

1. **Unpack Components:** Carefully remove the adapter unit and its power cords from the packaging. You will find the main adapter unit, an AC input cord (to connect to the wall outlet), and a DC output cable (permanently attached to the adapter, with a barrel connector).



Figure 2: The adapter unit separated from its AC input power cord.

2. **Connect AC Input Cord:** Plug the female end of the AC input cord into the corresponding port on the adapter unit. Ensure it is firmly seated.
3. **Connect to Device:** Insert the barrel connector of the DC output cable into the power input port of your compatible device (e.g., Sagemcom Fast 5290 router). Verify that the connector fits securely and is fully inserted.



Figure 3: Detail of the barrel connector (DC output) and the standard two-prong AC plug (AC input).

4. **Connect to Power Outlet:** Plug the two-prong end of the AC input cord into a standard electrical wall outlet (100-240VAC).

Important: Ensure your device's power requirements match the adapter's output specifications (12V DC, 4.1A) to prevent damage.

3. OPERATING INSTRUCTIONS

Once properly connected, the Kircuit 12V AC/DC Adapter will automatically supply power to your device. There are no user-adjustable settings on the adapter itself.

- **Power On:** After connecting the adapter to both the device and the wall outlet, your device should power on automatically or be ready to be powered on via its own power button.
- **Indicator Light:** Some adapter models may feature an LED indicator light to show that power is being supplied. Refer to the adapter unit for this feature.
- **Disconnection:** To disconnect, first unplug the AC input cord from the wall outlet, then disconnect the barrel connector from your device.



Figure 4: The adapter in use, connected to a wall outlet and powering a device (partially visible).

4. CARE AND MAINTENANCE

To ensure the longevity and optimal performance of your Kircuit AC/DC adapter, follow these guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the adapter. Do not use liquid cleaners or solvents.
- **Storage:** Store the adapter in a cool, dry place when not in use. Avoid extreme temperatures and humidity.
- **Cable Care:** Do not bend, twist, or crimp the power cords excessively. Avoid placing heavy objects on the cables.
- **Ventilation:** Ensure the adapter has adequate ventilation during operation. Do not cover it or place it in an enclosed space that could restrict airflow.
- **Avoid Drops:** Protect the adapter from physical shocks and drops.

5. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Device not powering on	Loose connection	Ensure all cables (AC input, DC output) are securely plugged into the adapter, wall outlet, and device.
Device not powering on	No power from outlet	Test the wall outlet with another device. Check circuit breaker if necessary.
Device not powering on	Incompatible adapter	Verify that the adapter's output voltage (12V) and current (4.1A) match your device's requirements.
Adapter feels hot	Normal operation or poor ventilation	A slight warmth is normal. Ensure the adapter is in a well-ventilated area and not covered. If it's excessively hot, disconnect immediately and contact support.
Flickering power/intermittent connection	Damaged cable or connector	Inspect cables for visible damage. If damaged, discontinue use and replace the adapter.

6. TECHNICAL SPECIFICATIONS

Below are the detailed specifications for the Kircuit 12V AC/DC Adapter:

Feature	Specification
Brand	Kircuit
Input Voltage	100-240VAC, 50/60Hz
Output Voltage	12V DC
Output Current	4.1A
Power Output	49.2W (50W Max)
Connector Type	Barrel Connector
Color	Black
Safety Features	OVP, OCP, SCP Protection
Compatible Devices	Sagemcom Fast 5290, 253906149, 253961806, FWR226e, ADS-50FKI-12, 12049EPCU-L, MS-V4100R120-050A0-US

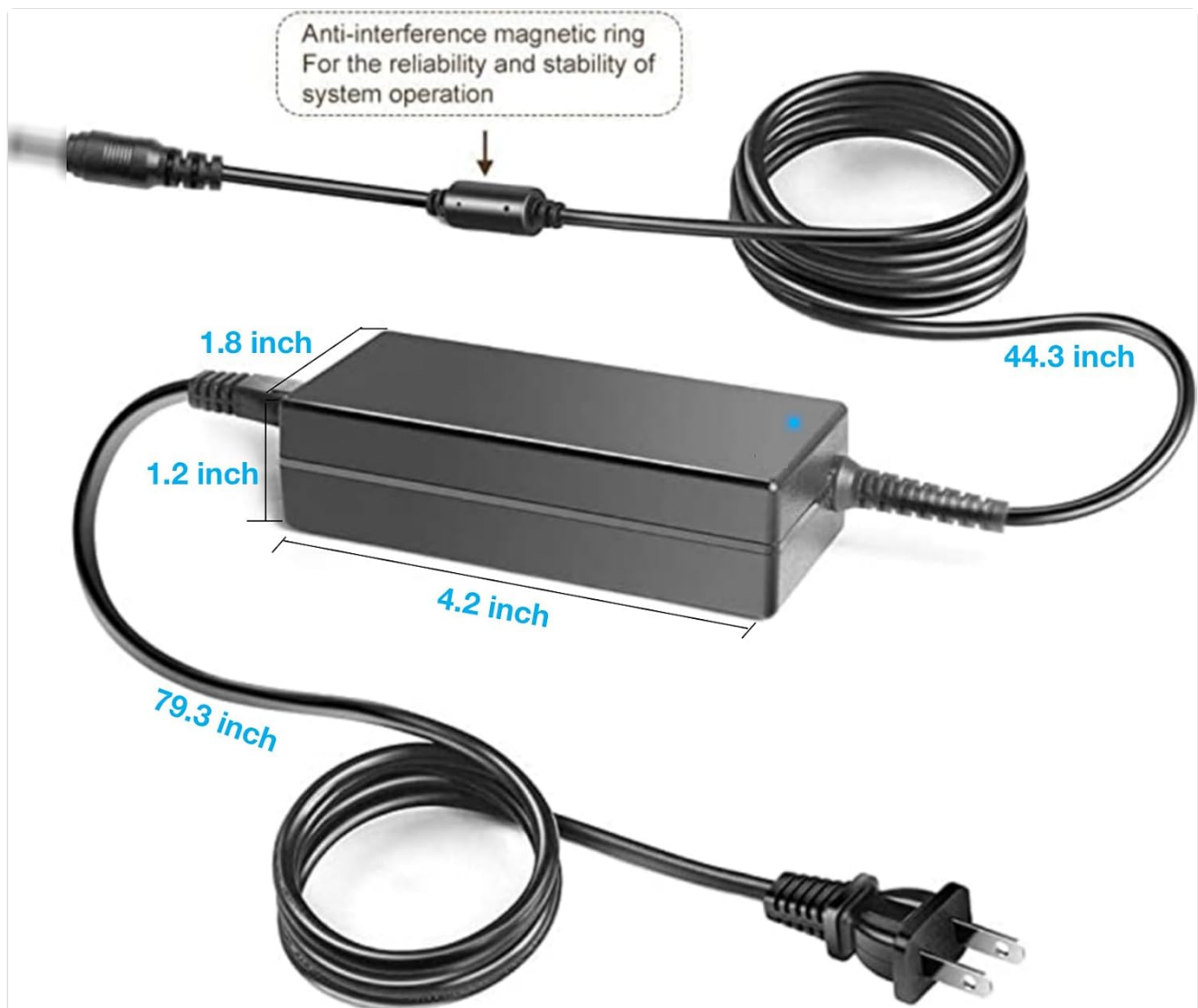


Figure 5: Physical dimensions of the Kircuit 12V AC/DC Adapter, including the main unit and cable lengths.

7. SAFETY INFORMATION

- Do not expose the adapter to water, rain, or excessive moisture.
- Do not disassemble or attempt to repair the adapter. Refer servicing to qualified personnel.
- Avoid using the adapter in environments with high temperatures or direct sunlight.
- Keep out of reach of children.
- Ensure the power outlet is easily accessible for quick disconnection if needed.

8. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support, please refer to the documentation provided with your purchase or contact the retailer directly. Kircuit adapters are designed for reliability and are tested to ensure proper function.

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