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PKPOWER AC Adapter

PK-Power AC Adapter Instruction Manual

For Linksys EA Series Routers and Emerson Research IP100 Dock

1. Introduction

This manual provides essential instructions for the safe and effective use of your PK-Power AC Adapter. This adapter is designed to provide reliable power to compatible devices, including various Linksys EA series wireless media routers and the Emerson Research IP100 Dock. Please read this manual thoroughly before use and retain it for future reference.



Figure 1: PK-Power AC Adapter. This image displays the main unit of the AC adapter, featuring the standard US two-prong plug, the "AC Adapter Input: 100-240VAC 50/60Hz" label, and the attached power cord terminating in a barrel connector.

2. Safety Information

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

- Use the adapter only with devices specified in the compatibility list or devices requiring the same voltage and current specifications.
- Do not expose the adapter to water, moisture, or extreme temperatures.
- Avoid dropping or subjecting the adapter to severe impact.

- Do not attempt to open or modify the adapter. Refer all servicing to qualified personnel.
- Ensure the power outlet is easily accessible and unplug the adapter during lightning storms or when unused for long periods.
- Keep out of reach of children.



Figure 2: Adapter Protection Features. This diagram illustrates the built-in safety mechanisms of the adapter, including over-voltage, over-current, over-temperature, electromagnetic wave, and short-circuit protection, along with a quality microchip.

3. Setup

1. **Verify Compatibility:** Ensure your device requires a 12V DC power input with a compatible barrel connector size. This adapter is compatible with Linksys EA6400, EA6500, EA6700, EA6900, E1550, EA4500, EA3500, E2500, EA2700, E900 Wireless Media Routers and Emerson Research IP100 Dock.
2. **Connect to Device:** Insert the barrel connector of the AC adapter firmly into the power input port of your compatible device.
3. **Connect to Power Outlet:** Plug the AC adapter into a standard 100-240V AC wall outlet.
4. **Power On:** Once connected, your device should receive power. Turn on your device if it does not power on automatically.

4. Operating Instructions

The PK-Power AC Adapter operates automatically once connected. It converts the AC wall current to the appropriate DC voltage required by your device. No user interaction is required for its operation beyond proper connection.

- Always ensure the adapter is securely plugged into both the wall outlet and the device.
- If the device is not in use for an extended period, it is recommended to unplug the adapter from the wall outlet.

5. Maintenance

Proper maintenance ensures the longevity and performance of your AC 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:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures. Avoid tightly coiling the cable to prevent damage.
- **Inspection:** Periodically inspect the adapter and cable for any signs of damage, such as frayed wires, bent pins, or cracks in the casing. Discontinue use if damage is observed.

6. Troubleshooting

If you encounter issues with your PK-Power AC Adapter, refer to the following common solutions:

Problem	Possible Cause	Solution
Device not powering on.	Adapter not properly connected. Faulty power outlet. Incompatible device. Damaged adapter/cable.	Ensure both ends of the adapter are securely plugged in. Test the outlet with another device. Verify device power requirements match adapter output. Inspect adapter and cable for damage; replace if necessary.
Intermittent power to device.	Loose connection. Overheating. Damaged cable.	Check all connections for tightness. Ensure adapter is in a well-ventilated area. Inspect cable for damage; replace if necessary.
Adapter feels excessively hot.	Overload or poor ventilation.	Ensure the device's power requirements do not exceed the adapter's capacity. Place the adapter in an open area to allow for proper heat dissipation.

7. Specifications

- **Input:** 100-240V AC, 50-60Hz
- **Wattage:** 15 watts
- **Protection Features:** Over Voltage Protection (OVP), Over Current Protection (OCP), Short Circuit Protection (SCP)
- **Certifications:** CE, FCC, RoHS
- **Item Weight:** 3 ounces
- **Color:** Black
- **Cable Length:** Approximately 1.2m / 4ft



Figure 3: Product Dimensions. This image provides the physical measurements of the AC adapter unit in inches (1.18in, 1.58in, 2.92in) and the total cable length as 1.2m / 4ft.

8. Compatible Devices

This PK-Power AC Adapter is designed for use with the following models:

- Linksys EA6400 Wireless Media Router
- Linksys EA6500 Wireless Media Router
- Linksys EA6700 Wireless Media Router
- Linksys EA6900 Wireless Media Router
- Linksys E1550 Wireless Media Router
- Linksys EA4500 Wireless Media Router
- Linksys EA3500 Wireless Media Router
- Linksys E2500 Wireless Media Router
- Linksys EA2700 Wireless Media Router
- Linksys E900 Wireless Media Router

- Emerson Research IP100 Dock

9. Warranty and Support

PK-Power products are designed and manufactured to meet high-quality standards. This product is CE / FCC / RoHS certified, ensuring it meets safety and environmental requirements.
For any questions, concerns, or support needs, please contact our customer service. Our friendly and reliable customer service team aims to respond to inquiries within 24 hours.
Please refer to your purchase documentation for specific warranty terms and contact information.

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