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onerbl 12V AC/DC Adapter

onerbl 12V AC/DC Adapter User Manual

For Smart/RG SR516ac, SR515ac, SR505n, SR804n Routers and Compatible Devices

1. Introduction and Safety Information

This manual provides essential instructions for the safe and effective use of your onerbl 12V AC/DC Adapter. Please read this manual thoroughly before use and retain it for future reference.

Product Overview

The onerbl 12V AC/DC Adapter is a high-quality replacement power supply designed to provide stable and reliable power to compatible devices, including various Smart/RG modem/router models. It features a wide input voltage range and multiple safety protections.

Safety Precautions

- **Indoor Use Only:** This adapter is designed for indoor use. Do not expose it to rain, moisture, or extreme temperatures.
- **Correct Voltage:** Ensure the device you are powering requires 12V DC input and that its current draw does not exceed the adapter's output capacity (1.5A or 2A). Incorrect voltage or excessive current can damage your device.
- **Ventilation:** Do not cover the adapter during operation. Ensure adequate ventilation to prevent overheating.
- **Avoid Damage:** Do not bend, twist, or pull the power cord excessively. Avoid placing heavy objects on the cord.
- **Unplug When Not in Use:** Disconnect the adapter from the power outlet when not in use for extended periods or during electrical storms.
- **No Disassembly:** Do not attempt to open or repair the adapter. Refer all servicing to qualified personnel.

2. Setup Instructions

Follow these steps to correctly set up your onerbl 12V AC/DC Adapter:

1. **Verify Compatibility:** Confirm that your device (e.g., Smart/RG router model SR516ac, SR515ac, SR505n, SR804n) requires a 12V DC power input and that the adapter's barrel connector fits your device's power port.
2. **Connect to Device:** Insert the DC output plug of the onerbl adapter firmly into the power input port of your

device.

3. **Connect to Power Outlet:** Plug the AC input prongs of the adapter into a standard AC 100-240V wall outlet.
4. **Power On Device:** Once connected, power on your device if it has a separate power switch. The adapter will automatically provide power.



Figure 2.1: The onerbl 12V AC/DC Adapter. Ensure the DC plug is correctly inserted into your device.



Figure 2.2: Example of the adapter connected to a power strip, providing power to a device. Ensure the adapter is not obstructed for proper ventilation.

3. Operating Instructions

The onerbl 12V AC/DC Adapter is designed for simple plug-and-play operation. Once connected as described in the Setup section, it will automatically supply power to your compatible device.

Automatic Voltage Adjustment

The adapter features an automatic input voltage adjustment (AC 100-240V, 50/60Hz), making it suitable for use in various regions worldwide without needing a voltage converter.

Integrated Safety Protections

This adapter incorporates advanced safety features to protect both the adapter and your connected device:

- **Over Voltage Protection:** Safeguards against excessive voltage output.

- **Over Heat Protection:** Prevents the adapter from overheating during operation.
- **Short Circuit Protection:** Protects against damage from short circuits.
- **Over Current Protection:** Limits the output current to prevent damage from excessive load.



Figure 3.1: The integrated smart chip provides multiple layers of protection for electrical safety.

4. Maintenance

Proper maintenance ensures the longevity and safe operation of your onerbl 12V AC/DC Adapter.

Cleaning

- Always unplug the adapter from the power outlet and your device before cleaning.
- Use a soft, dry cloth to wipe the exterior of the adapter.
- Do not use liquid cleaners, aerosols, or solvents, as these can damage the adapter or pose an electrical hazard.

Storage

- Store the adapter in a cool, dry place away from direct sunlight and moisture.
- Avoid tightly coiling the cable or placing heavy objects on it to prevent damage.

Inspection

Periodically inspect the adapter and its cable for any signs of damage, such as cuts, frayed wires, or bent prongs. If any damage is observed, discontinue use immediately and replace the adapter.



Figure 4.1: The adapter features a durable design with quality copper wiring and a robust PVC jacket for longevity.

5. Troubleshooting

If you encounter issues with your onerbl 12V AC/DC Adapter, refer to the following troubleshooting steps:

- **Device Not Receiving Power:**
  - Ensure the adapter is securely plugged into a working wall outlet. Test the outlet with another device.
  - Verify that the DC output plug is fully inserted into your device's power port.
  - Confirm that your device is compatible with a 12V DC input and that its current requirements do not exceed 2A.
  - Check the adapter's cable and connectors for any visible damage.
- **Adapter Feels Hot:**
  - It is normal for the adapter to feel warm during operation. However, if it feels excessively hot, unplug it immediately.
  - Ensure the adapter is not covered and has adequate ventilation.
  - Verify that the connected device is not drawing more current than the adapter's maximum output (2A).
- **Intermittent Power:**
  - Check all connections for looseness.
  - Inspect the cable for any damage or kinks.

If the issue persists after following these steps, please contact customer support for further assistance.

6. Specifications

The following are the technical specifications for the onerbl 12V AC/DC Adapter:

Feature	Specification
Input Voltage	AC 100-240V, 50/60Hz
Output Voltage	DC 12V
Output Current	1.5A / 2A (Max)
Power Source	Corded Electric
Main Power Connector Type	2 Pin (US Standard)
Cable Length	Approx. 76 inches (193 cm)
Protections	Over Voltage, Over Heat, Short Circuit, Over Current
Compatible Devices	Smart/RG SR516ac, SR515ac, SR505n, SR804n Routers, and other 12V DC devices requiring up to 2A.



Figure 6.1: Front and side views of the adapter, showing its compact design.

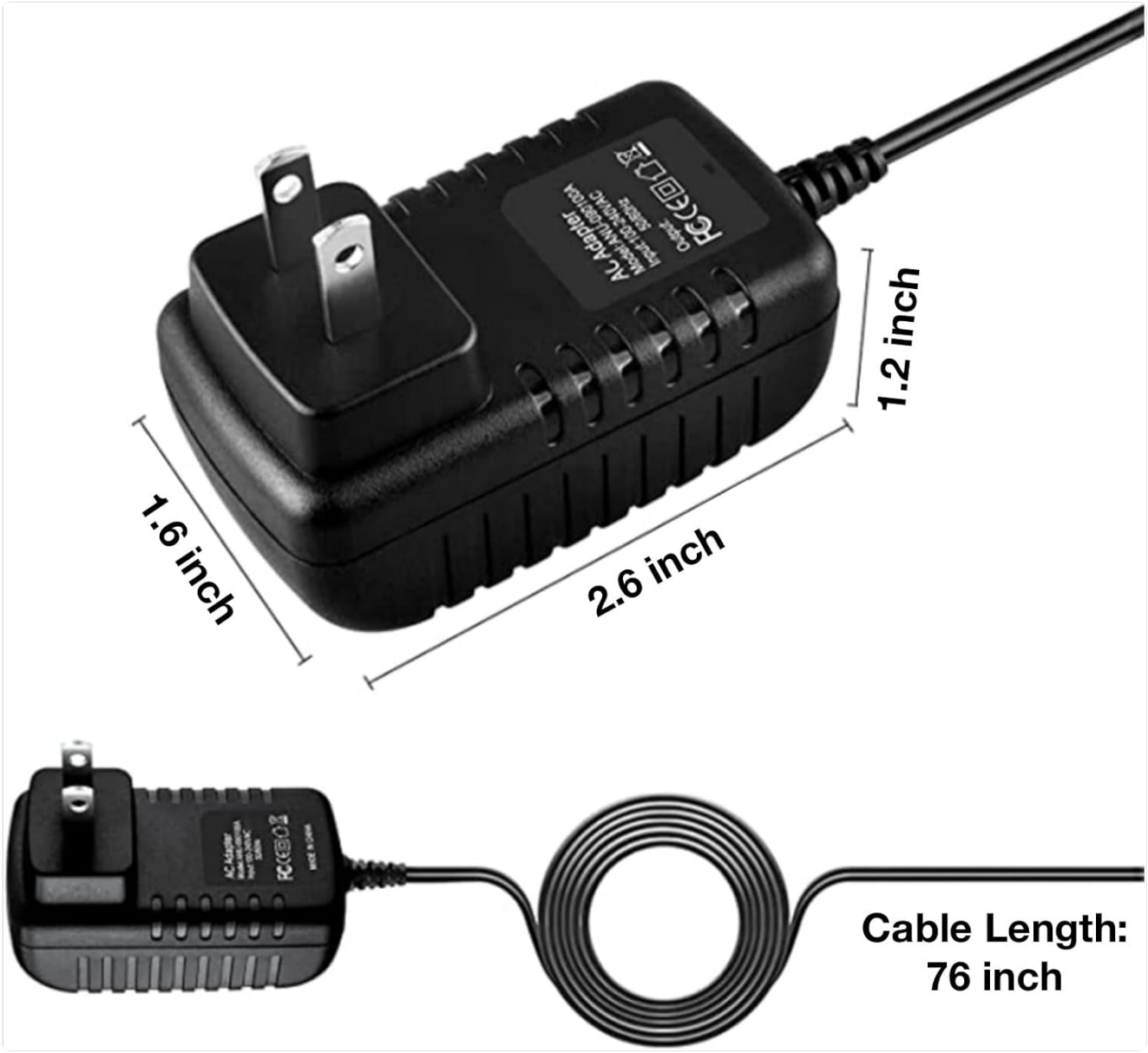


Figure 6.2: Physical dimensions of the adapter and its 76-inch cable length.

7. Warranty and Support

Warranty Information

Specific warranty details for this product are not provided in the available product information. For warranty inquiries, please refer to the purchase documentation or contact the seller directly.

Customer Support

If you have any questions, require technical assistance, or experience issues not covered in this manual, please contact the seller or manufacturer through your purchase platform. Provide your order number and a detailed description of the issue for prompt support.

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