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› DIGI WR11-L800-DE1-SU Wireless Router Instruction Manual

Digi WR11-L800-DE1-SU

DIGI WR11-L800-DE1-SU Wireless Router Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your DIGI WR11-L800-DE1-SU Wireless Router. This device is designed to provide reliable cellular 4G LTE connectivity, offering a robust solution for various networking needs. Please read this manual thoroughly before using the product to ensure proper setup and optimal performance.

2. SAFETY INFORMATION

- Use only the power adapter supplied with the device.
- Do not expose the device to water, moisture, or extreme temperatures.
- Ensure proper ventilation to prevent overheating.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Keep the device away from strong electromagnetic fields.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- DIGI WR11-L800-DE1-SU Wireless Router
- Cellular Antennas (Quantity may vary based on model)
- Power Supply Unit
- Ethernet Cable (Optional, may not be included in all packages)
- Quick Start Guide (This document serves as a comprehensive guide)

4. PRODUCT OVERVIEW

The DIGI WR11-L800-DE1-SU is a compact and robust wireless router designed for reliable cellular connectivity. It features a single Ethernet port, cellular antenna connectors, and a power input.



Figure 1: Front view of the DIGI WR11-L800-DE1-SU Wireless Router. This image displays the compact design of the router, highlighting the various ports and LED indicators. Visible components include the power input, Ethernet port, and antenna connectors. The status LEDs provide visual feedback on power, cellular signal strength, and network activity.

4.1. Front Panel Indicators

- **Power LED:** Indicates power status. Solid green for normal operation.
- **Cellular Signal Strength LEDs:** Multiple LEDs indicating the strength of the cellular signal. More LEDs lit means stronger signal.
- **Ethernet LED:** Indicates Ethernet link and activity.

4.2. Rear Panel Ports

- **Power Input:** Connects to the supplied power adapter.
- **Ethernet Port (LAN/WAN):** Single RJ45 port for wired network connection.
- **Antenna Connectors:** SMA connectors for cellular antennas.
- **SIM Card Slot:** For inserting the cellular SIM card.

5. SETUP

5.1. Physical Installation

1. **Attach Antennas:** Carefully screw the cellular antennas onto the SMA connectors on the rear panel of the router. Ensure they are finger-tight.
2. **Insert SIM Card:** Locate the SIM card slot. Insert your activated 4G LTE Verizon SIM card into the slot until it clicks into place. Ensure the SIM card is correctly oriented as indicated on the device.

5.2. Power Connection

1. Connect the supplied power adapter to the power input port on the router.
2. Plug the power adapter into a suitable electrical outlet. The Power LED on the front panel should illuminate.

5.3. Ethernet Connection

1. Connect one end of an Ethernet cable to the Ethernet port on the router.
2. Connect the other end of the Ethernet cable to your computer or network switch. The Ethernet LED on the router should illuminate, indicating a successful connection.

5.4. Initial Configuration Access

To access the router's web-based management interface:

1. Ensure your computer is connected to the router via Ethernet.
2. Open a web browser (e.g., Chrome, Firefox, Edge).
3. In the address bar, type the default IP address of the router (commonly 192.168.1.1 or 192.168.0.1, refer to the label on your device for the exact address) and press Enter.
4. Enter the default username and password when prompted. These are typically found on a label on the router or in the quick start guide. It is highly recommended to change the default password immediately after logging in for the first time.

6. OPERATING INSTRUCTIONS

6.1. Web Interface Navigation

Once logged into the web interface, you will find various sections for configuring your router:

- **Status:** View current network status, cellular signal strength, and connected devices.
- **Network:** Configure LAN, WAN, and cellular settings.
- **Wireless:** Manage Wi-Fi settings (if applicable, though this model is primarily Ethernet/Cellular).
- **Security:** Set up firewall rules, VPN, and access control.
- **System:** Perform firmware updates, backup/restore configurations, and reboot the device.

6.2. Basic Network Settings

Navigate to the 'Network' section to configure:

- **LAN Settings:** Change the router's internal IP address and DHCP server settings if needed.
- **WAN Settings:** Typically configured automatically for cellular. For Ethernet WAN, you may need to set up DHCP or Static IP.

6.3. Cellular Settings

In the 'Network' or 'Cellular' section, verify or configure the following:

- **APN (Access Point Name):** Ensure the correct APN for Verizon is configured. This is often auto-detected but may require manual entry.
- **PIN Management:** If your SIM card has a PIN, you may need to enter it here.
- **Data Usage:** Monitor data consumption and set limits if desired.

7. MAINTENANCE

7.1. Firmware Updates

Regularly check for and install firmware updates to ensure optimal performance, security, and access to new features.

1. Visit the official Digi International website (www.digi.com) and navigate to the support section for your specific model (WR11-L800-DE1-SU).
2. Download the latest firmware file.
3. In the router's web interface, go to the 'System' or 'Firmware Update' section.
4. Follow the on-screen instructions to upload and install the new firmware. **Do not power off the device during the update process.**

7.2. Cleaning

To clean the router, disconnect it from power and use a soft, dry cloth. Do not use liquid cleaners or aerosols.

7.3. Resetting to Factory Defaults

If you encounter persistent issues or forget your login credentials, you may need to reset the router to its factory default settings. This will erase all custom configurations.

1. With the router powered on, locate the reset button (often a small pinhole button) on the device.
2. Use a paperclip or similar pointed object to press and hold the reset button for approximately 10-15 seconds.
3. Release the button. The router will reboot with factory default settings.

8. TROUBLESHOOTING

8.1. Common Issues and Solutions

- **No Internet Connection:**

- Check if the cellular signal strength LEDs are lit. If not, reposition antennas or the router.
- Verify SIM card is correctly inserted and activated with Verizon.
- Ensure APN settings are correct in the web interface.
- Reboot the router and connected devices.

- **Cannot Access Web Interface:**

- Ensure your computer is connected via Ethernet and has obtained an IP address from the router (check network adapter settings).
- Verify the router's IP address. Try 192.168.1.1 or 192.168.0.1.
- Clear your browser's cache or try a different browser.
- Temporarily disable any firewall or antivirus software on your computer.

- **Slow Connection Speed:**

- Check cellular signal strength. A weak signal will result in slower speeds.
- Ensure no other devices are consuming excessive bandwidth.
- Contact your cellular provider (Verizon) to check for network issues in your area.

8.2. LED Indicator Guide

- **Power LED (Solid Green):** Router is powered on and operating normally.
- **Cellular Signal LEDs (Varying Green):** Indicates signal strength. More LEDs lit means better signal.
- **Ethernet LED (Solid Green):** Ethernet link is established.
- **Ethernet LED (Flashing Green):** Data activity on the Ethernet port.

9. SPECIFICATIONS

Feature	Description
Brand	Digi
Model	WR11-L800-DE1-SU
Connectivity Technology	Ethernet, Cellular (4G LTE Verizon)
Number of Ports	1 (Ethernet)
Special Feature	WPS (Wi-Fi Protected Setup, if applicable for future models or specific configurations)
Frequency Band Class	Dual-Band (for internal Wi-Fi module, if present)
Compatible Devices	Personal Computer, Network Devices
Control Method	Remote (Web Interface)
UPC	602016971536

10. WARRANTY INFORMATION

The DIGI WR11-L800-DE1-SU Wireless Router is covered by a manufacturer's limited warranty. For specific details regarding warranty terms, duration, and claims procedures, please refer to the warranty card included with your product or visit the official Digi International website. Keep your proof of purchase for warranty service.

11. SUPPORT AND CONTACT INFORMATION

For technical support, additional documentation, or to contact customer service, please visit the official Digi International support website:

Website: www.digi.com/support

On the support page, you can find FAQs, knowledge base articles, and contact information for direct assistance.

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

Open the live page

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