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› Digi WR44-M800-AE1-RF Bridge/Router User Manual

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Digi WR44-M800-AE1-RF Bridge/Router User Manual

Model: WR44-M800-AE1-RF | Brand: Digi

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Digi WR44-M800-AE1-RF Bridge/Router. This device is designed for robust wireless communication, offering advanced networking capabilities for various applications.

The WR44-M800-AE1-RF is a high-performance cellular router supporting LTE-A connectivity and featuring integrated end-user programming for flexible deployment in critical infrastructure and industrial environments.

PACKAGE CONTENTS

Before proceeding with the installation, ensure all components are present in the package:

- Digi WR44-M800-AE1-RF Bridge/Router Unit
- User Guide
- Power Adapter (not explicitly listed but implied for operation)
- Antennas (cellular and Wi-Fi, not explicitly listed but implied by specifications)



Image: The Digi WR44-M800-AE1-RF Bridge/Router unit. Other accessories such as the power adapter and antennas are typically included.

SETUP INSTRUCTIONS

Step 1: Unpacking and Placement

Carefully remove the router from its packaging. Place the router on a flat, stable surface in a location with good cellular signal reception. Ensure the location is away from direct heat sources, strong electromagnetic fields, and physical obstructions that could interfere with wireless signals.

Step 2: Connecting Antennas

Attach the appropriate cellular and Wi-Fi antennas to their designated ports on the router. Ensure each antenna is securely tightened by hand. Refer to the port labels for correct placement.

Image: (An image showing antenna connections would be embedded here if available. For illustration, imagine a close-up view of the router's rear panel, showing the antenna connectors and attached antennas.)

Step 3: Power Connection

Connect the power adapter to the router's power input port. Then, plug the adapter into a suitable electrical outlet. The router will automatically begin its boot-up sequence, which may take a few minutes.

Step 4: Network Connection (Optional)

For wired network access, connect an Ethernet cable from your computer or network switch to one of the router's LAN

ports. This provides a direct connection for initial configuration or for devices requiring a wired link.

OPERATING THE DEVICE

Initial Configuration

Access the router's web interface by opening a web browser on a connected device and entering the default IP address (e.g., 192.168.1.1). Refer to the included user guide or the device label for the exact default IP address and login credentials.

Follow the on-screen wizard to configure your cellular connection, Wi-Fi settings, and other essential network parameters. It is recommended to change default login credentials immediately for security.

LED Indicators

The router features several LED indicators that provide visual feedback on its operational status:

- **Power LED:** Solid green indicates the device is powered on.
- **Cellular LED:** Indicates cellular signal strength and connection status (e.g., solid for connected, blinking for activity).
- **Wi-Fi LED:** Indicates Wi-Fi activity (e.g., solid for enabled, blinking for data transfer).

Image: (An image highlighting the LED indicators would be embedded here if available. For illustration, imagine a front view of the router highlighting the LED indicators and their typical locations.)

Advanced Features

The Digi WR44-M800-AE1-RF supports advanced networking features such as Virtual Private Network (VPN), firewall rules, and integrated end-user programming. For detailed configuration and utilization of these features, consult the comprehensive online documentation available on the Digi International support website.

MAINTENANCE GUIDELINES

Firmware Updates

Regularly check for and install firmware updates to ensure optimal performance, enhance security, and gain access to new features. Firmware updates can typically be performed through the router's web interface. Always follow the manufacturer's instructions for firmware updates to prevent device damage.

Cleaning

Keep the router clean and free from dust accumulation. Use a soft, dry cloth for cleaning the exterior. Do not use liquid cleaners, abrasive materials, or solvents, as these can damage the device's finish or internal components.

Environmental Conditions

Ensure the router operates within its specified environmental conditions (temperature, humidity) as outlined in the technical specifications. Operating the device outside these ranges can lead to reduced performance, instability, or permanent damage.

TROUBLESHOOTING COMMON ISSUES

No Power

Symptom: The Power LED is off, and the device is unresponsive.

Solution: Check the power adapter connection to both the router and the electrical outlet. Ensure the power outlet is functional by testing it with another device. Verify that the power adapter is the correct one supplied with the router.

No Cellular Connection

Symptom: The Cellular LED indicates no signal or connection.

Solution: Verify that the cellular antennas are correctly attached and tightened. Relocate the router to an area with potentially better cellular signal reception. Check your cellular service subscription status with your provider.

Wi-Fi Not Working

Symptom: Devices cannot connect to the Wi-Fi network, or the Wi-Fi LED is off.

Solution: Ensure Wi-Fi is enabled in the router's configuration settings via the web interface. Check Wi-Fi antenna connections. Try restarting the router. Verify that your devices are within range and using the correct Wi-Fi password.

Slow Performance

Symptom: Network speeds are significantly slower than expected.

Solution: Check the cellular signal strength indicated by the Cellular LED. Reduce the number of connected devices or active applications consuming bandwidth. Ensure the router is not overheating and has adequate ventilation.

TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	Digi
Model Name	WR44-M800-AE1-RF
Wireless Type	802.11a/b/g/n/ac
Number of USB 2.0 Ports	1
Operating System	Digi XBee
Item Weight	2.43 pounds (approx. 1.1 kg)
Product Dimensions (LxWxH)	10 x 5.5 x 1.9 inches (approx. 25.4 x 13.97 x 4.83 cm)
Color	Black/White
Special Feature	Access Point Mode
Frequency Band Class	Dual-Band
Wireless Communication Standard	802.11a/b/g/n/ac
Compatible Devices	Laptop, Personal Computer, Smartphone, Tablet
Recommended Uses	Home, Small Office

Feature	Detail
Connectivity Technology	Ethernet

Note: Specifications are subject to change without notice. For the most current specifications, please refer to the official Digi International website.

SUPPORT AND WARRANTY INFORMATION

For technical assistance, product documentation, or warranty inquiries, please visit the official Digi International website or contact their customer support department.

Online Resources: www.digi.com/support

Warranty: This product comes with a standard manufacturer's warranty. Please refer to the warranty card included with your product or the Digi International website for specific terms, conditions, and registration procedures.

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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

