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› Digicom 4G LiteRoute LTE Cat4 Router User Manual

Digicom R4GW-T04

Digicom 4G LiteRoute LTE Cat4 Router

MODEL: R4GW-T04 USER MANUAL

Introduction

The Digicom 4G LiteRoute is a versatile 4G/LTE router designed to provide high-speed internet connectivity in various environments. It is ideal for locations without traditional ADSL lines or for enhancing existing data bandwidth. This router supports LTE Cat4 speeds up to 150 Mbps download and 50 Mbps upload, and offers Wi-Fi N connectivity up to 300 Mbps. With its simple setup and automatic recognition of major mobile network operators, the LiteRoute provides a reliable and efficient internet solution for both professional and personal use.

Product Overview

Package Contents

- Digicom 4G LiteRoute Router (Model R4GW-T04)
- CD-ROM
- RJ45 Ethernet Cable
- Quick Guide
- Power Supply

Device Layout



Figure 1: Front view of the Digicom 4G LiteRoute router. This image displays the front panel with LED indicators for Power, Internet, Wi-Fi, and 4G signal strength.



Figure 2: Rear view of the Digicom 4G LiteRoute router. This image highlights the two removable 4G antennas, two 10/100 LAN ports, the ON/OFF button, the power input, and the WPS/RESET button.

LED Indicators

- **Power LED:** Indicates the power status of the device.
- **Internet LED:** Shows the status of the 4G/LTE internet connection.
- **Wi-Fi LED:** Indicates Wi-Fi functionality status.
- **Signal Strength LEDs:** Displays the current 4G/LTE signal strength.

Setup

1. SIM Card Installation

1. Ensure the router is powered off.
2. Locate the SIM card slot, typically on the side or bottom of the device.
3. Insert your 4G/3G SIM card into the slot with the metal contacts facing down and the notched corner oriented correctly. Push until it clicks into place.

2. Antenna Installation

1. Attach the two removable 4G antennas to the connectors on the rear of the router.
2. Tighten them gently by hand.
3. Adjust the antennas for optimal signal reception.

3. Power Connection

1. Connect the provided power adapter to the router's power input port.
2. Plug the other end of the power adapter into a standard electrical outlet.
3. Press the ON/OFF button on the rear of the router to power it on. The Power LED should illuminate.

4. Initial Configuration

The router is designed for quick setup and often automatically recognizes major mobile operators. If manual configuration is needed:

- Connect a computer to one of the router's LAN ports using an Ethernet cable, or connect via Wi-Fi using the default SSID and password found on the router's label.
- Open a web browser and enter the default IP address (usually 192.168.1.1) in the address bar.
- Enter the default username and password (typically admin for both) to access the web management interface.
- Follow the on-screen instructions to configure the APN settings if not automatically detected, or to change Wi-Fi settings.

Operating Instructions

Connecting Devices via Wi-Fi

1. Ensure the Wi-Fi LED on the router is active.
2. On your device (smartphone, tablet, laptop), search for available Wi-Fi networks.
3. Select the router's SSID (network name), which can be found on the label on the bottom of the router.
4. Enter the Wi-Fi password (also on the router's label) when prompted.

5. The router supports up to 32 Wi-Fi devices simultaneously.

Connecting Devices via Ethernet

1. Connect one end of an Ethernet cable to a LAN port on the router.
2. Connect the other end of the Ethernet cable to the Ethernet port on your computer or other network device.
3. The device should automatically obtain an IP address from the router.

Using the WPS Function

The Wi-Fi Protected Setup (WPS) function allows for easy connection of WPS-compatible devices without manually entering the Wi-Fi password.

1. Press the WPS button on the rear of the Digicom 4G LiteRoute router for a few seconds. The Wi-Fi LED may flash.
2. Within two minutes, activate the WPS function on your client device.
3. The devices will automatically connect.

Understanding the Network Application



Figure 3: Application diagram of the Digicom 4G LiteRoute. This diagram shows how the router connects to the 4G network via a SIM card, providing 150 Mbps download and 50 Mbps upload speeds. It then distributes Wi-Fi at 300 Mbps to devices like laptops, tablets, and smartphones, and provides wired Ethernet connectivity to computers.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the router. Do not use liquid or aerosol cleaners.
- **Placement:** Place the router in a well-ventilated area, away from direct sunlight, heat sources, and moisture. Avoid placing it near large metal objects or other electronic devices that may cause interference.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates. Updating the firmware can improve performance, add new features, and enhance security. Refer to the web management interface for instructions on how to perform a firmware update.
- **Resetting the Router:** If the router is not functioning correctly, you can perform a factory reset by pressing and holding the WPS/RESET button for approximately 10 seconds while the router is powered on. This will restore all settings to their factory defaults.

Troubleshooting

- **No Internet Connection:**
 - Check if the SIM card is correctly inserted and activated.
 - Verify that the Internet LED is illuminated. If not, check the 4G signal strength LEDs.
 - Ensure your mobile operator's APN settings are correctly configured in the router's web interface.
 - Restart the router by powering it off and on.
- **Slow Internet Speed:**
 - Check the 4G signal strength LEDs. A weak signal can lead to slow speeds. Try repositioning the router or adjusting the antennas.
 - Ensure no other devices are consuming excessive bandwidth.
 - Verify that your mobile data plan has sufficient allowance and speed.
- **Cannot Connect to Wi-Fi:**

- Ensure the Wi-Fi LED is on.
- Double-check the Wi-Fi password.
- Try restarting both the router and your client device.
- If using WPS, ensure both devices are in WPS mode within the time limit.

• **Web Management Interface is Slow/Unresponsive:**

- Clear your browser's cache and cookies.
- Try a different web browser.
- Ensure your computer is directly connected to the router via Ethernet.
- Restart the router.

Specifications

Brand	Digicom
Model Name	R4GW-T04
Model Number	8E4617
Connectivity Technology	Ethernet, LTE 4G, Wi-Fi
Wireless Standard	802.11n
4G Download Speed	Up to 150 Mbps
4G Upload Speed	Up to 50 Mbps
Wi-Fi Speed	Up to 300 Mbps
LAN Ports	2 x 10/100 Mbps Ethernet
Antenna Type	2 x Removable 4G Diversity Antennas
Mobile Network Bands	4G/LTE-FDD bands 3/7/20 (1800/2600/800MHz), HSPA+/UMTS/WCDM bands 1/8 (2100/900MHz)
Security Protocol	WEP
Special Features	Firewall, WPS
Power Input	12 Volts
Operating Temperature	0 °C to +45 °C
Weight	400 Grams
Color	White

Warranty and Support

Warranty information and specific support details for the Digicom 4G LiteRoute LTE Cat4 Router are not provided within this manual. Please refer to the documentation included with your purchase or visit the official Digicom website for the most up-to-date warranty terms and technical support resources.

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Example: How do I reset this device or fix this error?

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