

NETGEAR LB1120

NETGEAR 4G LTE Broadband Modem (LB1120) User Manual

Model: LB1120

1. INTRODUCTION AND OVERVIEW

The NETGEAR 4G LTE Modem (LB1120) provides a reliable and flexible internet connection solution. It is designed to offer primary internet access in areas with limited broadband service or to serve as an automatic LTE broadband backup when your fixed wireline connection is unavailable.

This modem is ideal for rural homes, vacation homes, RVs, or as a travel companion, ensuring you stay connected. It features fast 4G LTE speeds, a Gigabit Ethernet port for connecting to your existing WiFi router, and a Micro-SIM card slot.



Ideal for:

Homes with weak or no broadband service

Primary or alternative internet connection

RV, vacation home, travel

Get fast, reliable Internet in rural areas

NETGEAR®

The NETGEAR LB1120 is ideal for various scenarios, including homes with weak or no broadband service, serving as a primary or alternative internet connection, and for use in RVs, vacation homes, or during travel.



Use LTE as your primary Internet connection

NETGEAR®

Utilize the LB1120 modem to establish your primary internet connection using 4G LTE technology.

2. SETUP

Follow these steps for a quick and easy setup of your NETGEAR 4G LTE Modem:

1. **Insert Micro-SIM Card:** Locate the SIM card slot on the modem. Carefully insert your activated 3FF Micro-SIM card into the slot until it clicks into place. Ensure the SIM card is correctly oriented.
2. **Connect Power:** Connect the provided power adapter to the modem's power port and then plug it into a wall outlet. The Power LED on the modem should illuminate.
3. **Connect to Router:** Use the included Ethernet cable to connect the modem's Gigabit Ethernet port to the WAN (Internet) port of your existing WiFi router.
4. **Power On:** Press the physical on/off button on the modem to power it on. Wait for the modem to boot up and establish a connection. The signal strength LEDs will indicate the connection status.
5. **Access Web Interface (Optional):** For advanced configuration, connect a computer directly to your WiFi router (or the modem if using it standalone) and open a web browser. Enter the default IP address

192.168.5.1 in the address bar. The default password is printed on the label on the bottom of the modem.



Fast 4G LTE speeds

Up to 150Mbps download

1 Gigabit Ethernet Port

Connect to WiFi router for fast WiFi

SFF (micro) SIM card slot

Works with AT&T and T-Mobile

LB1120 Top Features

NETGEAR®

A visual guide for the easy 5-minute setup: Insert the SIM card into the LTE Modem, then connect the LTE Modem to your WiFi router using an Ethernet cable.



Connect to your existing WiFi router for fast streaming, downloading and more.

NETGEAR®

Connect the LB1120 modem to your existing WiFi router to enable fast streaming, downloading, and other internet activities across your network.

3. OPERATING

Once set up, the NETGEAR LB1120 modem operates by converting the 4G LTE cellular signal into a wired internet connection for your network.

LED Indicators:

The modem features several LED indicators on its top panel to provide status information:

- **Power LED:** Indicates if the modem is powered on.
- **Signal Strength LEDs:** A series of bars indicating the strength of the 4G LTE signal. More illuminated bars mean a stronger signal, which generally leads to better performance.
- **Ethernet LED:** Indicates activity on the Ethernet port.



The top view of the LB1120 modem, highlighting the power indicator and the signal strength LEDs, which provide visual feedback on the cellular connection quality.

Bridge Mode:

The LB1120 can be configured to operate in 'bridge mode' via its web interface. In this mode, the modem acts as a simple pass-through device, allowing your connected router to handle all network routing functions. This is often preferred for advanced network setups or when using the modem as a backup internet source.

4. MAINTENANCE

To ensure optimal performance and longevity of your NETGEAR LB1120 modem, consider the following maintenance tips:

- **Placement:** Place the modem in an open area, away from obstructions, to ensure good cellular signal reception and proper ventilation. Avoid placing it near large metal objects or other electronic devices that might cause interference.
- **Cleaning:** Keep the modem clean by gently wiping it with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Firmware Updates:** Periodically check the NETGEAR support website for firmware updates. Firmware updates can improve performance, add new features, and address security vulnerabilities. Updates are typically performed through the modem's web management interface.
- **Power Cycle:** If you experience intermittent connectivity issues, a simple power cycle (unplugging the power adapter for 10 seconds and then plugging it back in) can often resolve the problem.

5. TROUBLESHOOTING

If you encounter issues with your NETGEAR LB1120 modem, try the following troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to the modem and a working electrical outlet. Check the Power LED.
- **No Signal/Poor Signal:**
 - Verify your Micro-SIM card is properly inserted and activated with your mobile service provider.
 - Relocate the modem to an area with better cellular reception. Observe the signal strength LEDs.
 - Consider using external 4G/3G antennas (sold separately) if signal strength remains low.
- **No Internet Connection:**
 - Check the Ethernet cable connection between the modem and your router's WAN port.
 - Ensure your mobile service plan has active data and is not throttled or exceeded its data cap.
 - Access the modem's web interface (192.168.5.1) to check the connection status and ensure the correct APN (Access Point Name) settings are configured for your carrier. Some carriers may require manual APN configuration.
 - Reboot both the modem and your connected WiFi router.
- **Web Interface Access Issues:**
 - Ensure your computer is connected to the network provided by the modem or the router connected to it.
 - Verify you are typing the correct IP address (192.168.5.1) and password.
 - Temporarily disable any VPN or proxy settings on your computer.

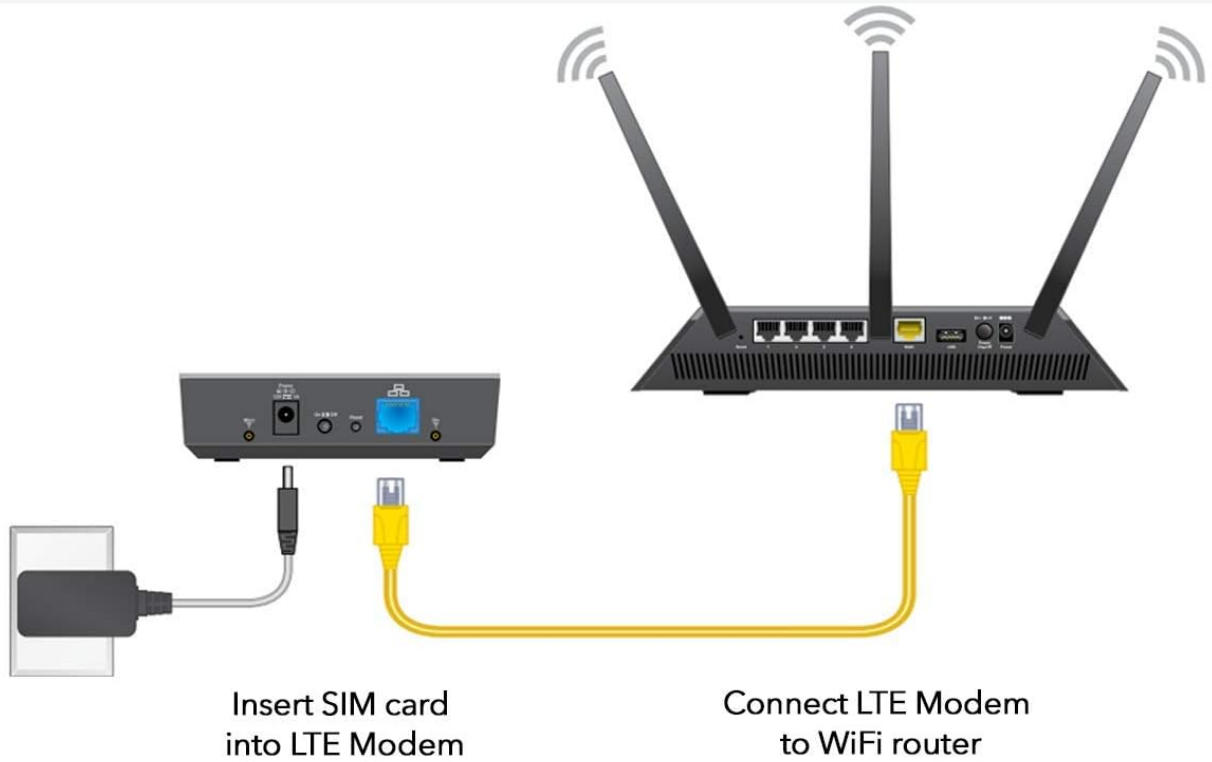
6. SPECIFICATIONS

Key technical specifications for the NETGEAR 4G LTE Broadband Modem (LB1120):

- **Model Number:** LB1120-100NAS
- **Dimensions (LxWxH):** 4.7 x 3.9 x 1.2 inches (119.4 x 99.1 x 30.5 mm)
- **Weight:** 6.4 ounces (181.4 g)
- **Wireless Type:** Radio Frequency (4G LTE)
- **Connectivity Technology:** Ethernet
- **SIM Card Type:** 3FF Micro-SIM
- **LTE Category:** Category 4 (Up to 150 Mbps download)
- **Supported LTE Bands:** Bands 2, 4, 5, 12
- **Supported 3G UMTS Bands:** Bands 2, 5
- **Ethernet Port:** 1 x Gigabit Ethernet WAN port
- **Power Adapter:** 12V DC, 1A
- **Operating System Compatibility:** Microsoft Windows 7, 8, 8.1, 10, Vista, XP; Mac OS (10.6.8 and newer); other operating systems running a TCP/IP network.
- **Browser Compatibility:** Microsoft Internet Explorer 5.0, Firefox 2.0, Safari 1.4, Google Chrome 11.0 or higher.

What's in the Box:

- 4G LTE Modem (LB1120)
- Power adapter
- Ethernet cable
- Quick start guide



Easy 5 minute setup

NETGEAR[®]

Key features of the LB1120 modem include fast 4G LTE speeds (up to 150Mbps download), a Gigabit Ethernet Port, and a Micro-SIM card slot, compatible with major carriers like AT&T and T-Mobile.



The product packaging for the NETGEAR 4G LTE Modem LB1120, detailing its features and system requirements for user reference.

7. WARRANTY AND SUPPORT

For detailed warranty information, technical support, and additional resources, please visit the official NETGEAR support website.

- **Official User Manual (PDF):** For a comprehensive guide, you can download the official user manual from [here](#).
- **Product Support Page:** Visit www.netgear.com/LB1120_QR_NA for product registration, support, and community forums.