GL.iNet GL-B3000

GL.iNet GL-B3000 (Marble) Wireless WiFi 6 Router User Manual

Model: GL-B3000 | Brand: GL.iNet

1. Introduction

The GL.iNet GL-B3000, also known as Marble, is a high-performance Wi-Fi 6 router designed for modern homes and offices. It features a unique wall-mountable photo frame design, offering flexible placement options while seamlessly blending with your decor. This manual provides detailed instructions for setting up, operating, and maintaining your GL-B3000 router, ensuring optimal performance and security for your network.

2. What's in the Box

Upon unboxing your GL.iNet GL-B3000 (Marble) router, please verify that all the following components are included:

- GL-B3000 (Marble) router
- Power Adapter (US Plug)
- Ethernet Cable
- Photo Frame (Optional)
- Router Stand
- Wall Mount Kit (Wall mount, Adhesive pad, Screws)
- User Manual
- Thank You Card

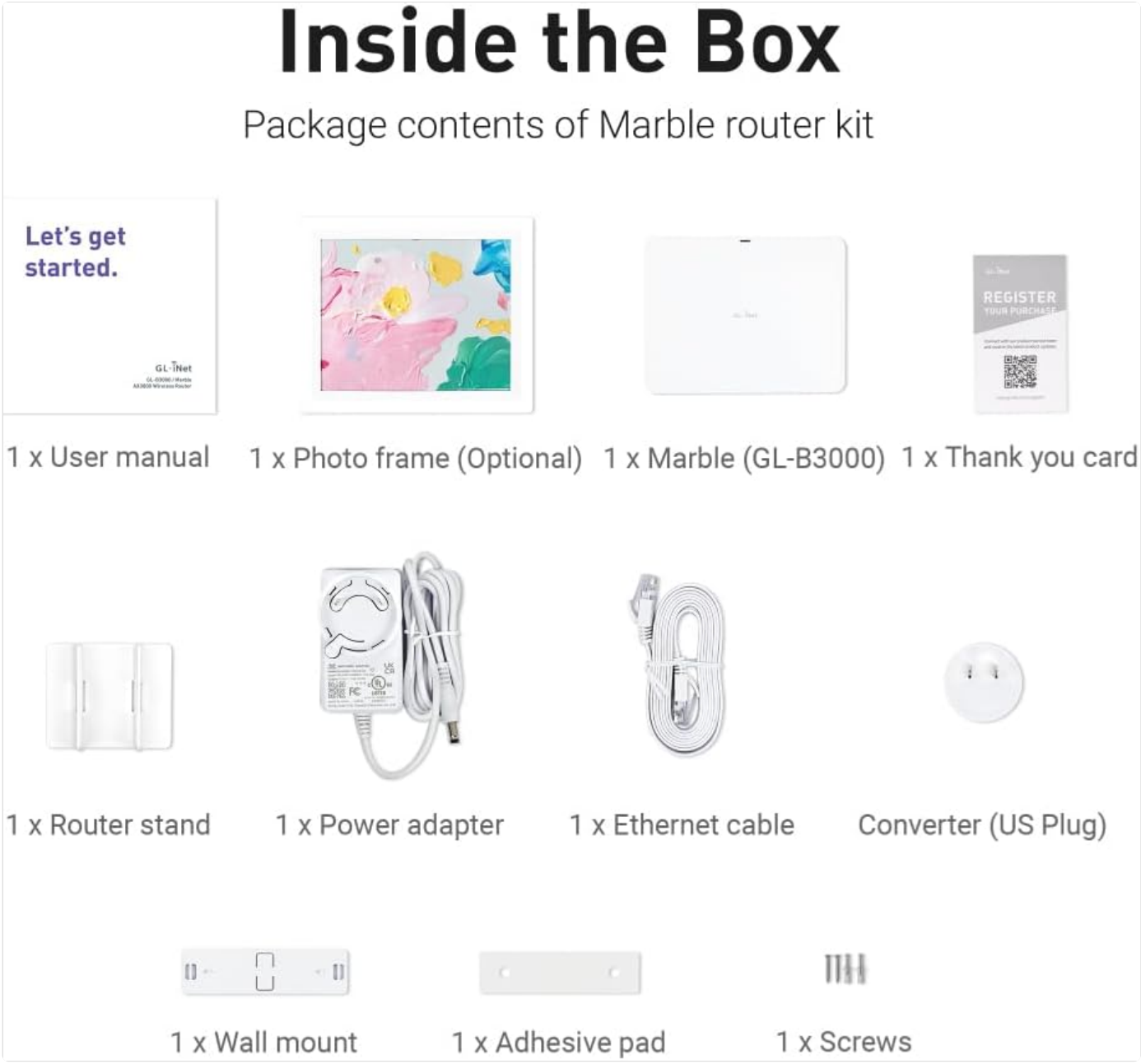


Figure 2.1: Package contents of the GL.iNet GL-B3000 (Marble) router kit.

Unboxing Video

Video 2.1: Official unboxing and setup guide for the GL-B3000 Marble router, demonstrating the contents and initial connection steps.

3. Product Overview

The GL-B3000 router is designed for both aesthetic integration and functional performance. It features a compact form factor with essential ports for network connectivity.

3.1 Physical Features and Ports

The router includes a power port, a WAN port (for internet connection), two LAN ports (for wired devices), and a reset button. An LED light indicates the router's status.



Figure 3.1: Rear view of the GL.iNet GL-B3000 (Marble) router, highlighting the power input, WAN port, LAN ports, and reset button.

3.2 Versatile Installation Options

The Marble router offers multiple display options to suit your home decor, including placement behind the photo frame, wall-mounting, or using the included stand for table placement.



Figure 3.2: The GL.iNet GL-B3000 (Marble) router can be installed in various ways, including behind a photo frame, on a stand, or wall-mounted, to integrate with home decor.

4. Setup

Follow these steps for the initial setup of your GL-B3000 router:

1. **Power Up:** Connect the power adapter to the router's DC 12V port and plug it into a power outlet.
2. **Connect to Router:** Connect your computer or mobile device to the router's Wi-Fi network. The default SSID (Wi-Fi name) can be found on the bottom label of your router (e.g., "GL-B3000-XXX").
3. **Access Admin Panel:** Open a web browser and navigate tohttp://192.168.8.1.
4. **Initial Configuration:** Follow the on-screen prompts to choose your language, set a new administrator password, and configure your internet connection.
5. **Internet Connection:** You can connect to the internet via Ethernet (WAN port) or use the Repeater mode to extend an existing Wi-Fi network.

5. Operating Instructions

5.1 Wi-Fi 6 Connectivity

The GL-B3000 supports the latest Wi-Fi 6 (802.11ax) standard, providing high-speed dual-band connectivity:

- **2.4GHz Band:** Up to 574Mbps, ideal for wider coverage and older devices.
- **5GHz Band:** Up to 2402Mbps, perfect for high-bandwidth activities like streaming and gaming.



Figure 5.1: The GL.iNet GL-B3000 (Marble) router delivers premium Wi-Fi 6 performance with speeds up to 574Mbps on 2.4GHz and 2402Mbps on 5GHz.

5.2 Enhanced Security with VPN Support

The router comes with pre-installed OpenVPN and WireGuard client and server capabilities, allowing you to encrypt all network traffic and mask your location. It is compatible with over 30 VPN service providers.

- **WireGuard VPN:** Max speeds of 190 Mbps (via Ethernet).

- **OpenVPN:** Max speeds of 30 Mbps (via Ethernet).



Figure 5.2: The GL.iNet GL-B3000 (Marble) router offers robust VPN support, including WireGuard and OpenVPN, to protect your online privacy.

5.3 Parental Controls

Manage screen time and filter inappropriate content for a safer internet experience for your family. The router supports local parental controls and integrates with Bark (subscription required) for advanced features.



Figure 5.3: The GL.iNet GL-B3000 (Marble) router provides parental control features to help keep children safe online.

5.4 AdGuard Home

Built-in AdGuard Home functionality allows you to block ads and online trackers across all connected devices. Customizable DNS filters enhance security and privacy.

5.5 Repeater/Extender Mode

The GL-B3000 can operate in Repeater mode, allowing it to connect to an existing Wi-Fi signal and extend its range. This is useful for improving coverage in areas with weak signals without needing a wired connection to the main router.

6. Advanced Features

6.1 Dual-WAN Functionality

The router supports multi-WAN for failover and load balancing. This means you can connect two different internet sources (e.g., two ISPs) to ensure uninterrupted internet access or to combine bandwidth for higher speeds.

6.2 OpenWrt Operating System

The GL-B3000 runs on OpenWrt, an open-source Linux operating system for embedded devices. This provides advanced users with extensive customization options, allowing for installation of various packages and fine-tuning of network settings beyond standard consumer routers.

7. Specifications

Feature	Detail
Product Dimensions	6.1 x 4.72 x 0.91 inches
Item Weight	9.7 ounces
Model Number	GL-B3000
Brand	GL.iNet
Model Name	Marble
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
Wireless Communication Standard	802.11ax (Wi-Fi 6)
Max Wi-Fi Speed (2.4GHz)	574Mbps
Max Wi-Fi Speed (5GHz)	2402Mbps
Ethernet Ports	1 WAN, 2 LAN (Gigabit)
VPN Support	OpenVPN, WireGuard (Pre-installed)
Parental Control	Yes (Local & Bark integration)
Ad Blocking	AdGuard Home (Built-in)
Operating System	OpenWrt

8. Troubleshooting

If you encounter issues with your GL-B3000 router, consider the following common troubleshooting steps:

- **No Internet Connection:** Check all cable connections (power, Ethernet). Restart the router and your modem. Verify your internet service provider (ISP) connection.
- **Slow Wi-Fi Speed:** Ensure your devices support Wi-Fi 6. Try connecting to the 5GHz band for faster speeds. Reduce interference by moving the router away from other electronic devices.
- **Cannot Access Admin Panel:** Ensure your device is connected to the router's Wi-Fi or via Ethernet. Try clearing your browser's cache or using a different browser. Verify the IP address (http://192.168.8.1).
- **Forgotten Password:** Use the reset button on the back of the router to restore factory settings. Note that this will erase all your configurations.
- **Firmware Update Issues:** Ensure a stable power supply during firmware updates. Do not power off the device during the update process.

9. Warranty and Support

The GL.iNet GL-B3000 (Marble) router comes with a**2-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.
For further assistance, technical support, or to access the latest firmware updates and detailed guides, please visit the official GL.iNet website:

www.gl-inet.com

You can also find community forums and additional resources on their website for peer support and advanced configurations.