MERCUSYS MR27BE

Mercusys MR27BE BE3600 Wi-Fi 7 Router User Manual

Model: MR27BE

1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your Mercusys MR27BE BE3600 Dual-Band Wi-Fi 7 Router. The MR27BE is designed to deliver high-speed wireless connectivity with Wi-Fi 7 technology, featuring dual-band operation and multiple high-speed Ethernet ports for a robust home or small office network.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- Mercusys MR27BE Wi-Fi 7 Router
- Power Adapter
- Ethernet Cable
- Quick Installation Guide

This image displays the retail packaging for the Mercusys MR27BE BE3600 Dual Band Wi-Fi 7 Router, highlighting key features and branding.

3. Physical Overview

3.1 Rear Panel

The rear panel of the MR27BE router features various ports and buttons for connectivity and control.

This image displays the rear panel of the MR27BE router, highlighting the 2.5 Gbps WAN port (blue), 2.5 Gbps LAN port, two 1 Gbps LAN ports, the Reset/WPS button, and the power input.

- **Power Port:** Connect the provided power adapter here.
- **Reset/WPS Button:** Press and hold for 1 second to activate WPS. Press and hold for more than 5 seconds to factory reset the router.
- **LAN Ports (1 Gbps):** Two Gigabit Ethernet ports for connecting wired devices.
- **LAN Port (2.5 Gbps):** One 2.5 Gigabit Ethernet port for high-speed wired connections.
- **WAN Port (2.5 Gbps):** One 2.5 Gigabit Ethernet port for connecting to your modem or internet service provider's (ISP) network.

3.2 Key Features

The MR27BE router incorporates advanced features for enhanced network performance.

Wi-Fi 7

Dual Band WiFi 7 Speeds up to **3.6 Gbps**

**2× 2.5 Gbps Ports +
2× Gigabit Ports**

4× Omni Directional High-Gain Antennas

**160 MHz
Channels**

160 MHz

**4K QAM for
More Data**

4K QAM

**Multi-Link
Operation**

MLO

EasyMesh-Compatible

EasyMesh Compatible

**Easy App
Control**

This graphic illustrates key features of the MR27BE, including its Wi-Fi 7 capabilities, the presence of 2x 2.5 Gbps ports and 2x Gigabit ports, four omni-directional high-gain antennas, EasyMesh compatibility, and easy app control.

This image demonstrates the speed performance of the MR27BE router, indicating up to 2880 Mbps on the 5 GHz band and 688 Mbps on the 2.4 GHz band, showcasing its Wi-Fi 7 capabilities.

4. SETUP

4.1 Hardware Connection

1. **Power Off:** Disconnect the power from your modem (if applicable).

2. **Connect WAN Port:** Connect one end of the Ethernet cable to your modem's Ethernet port and the other end to the blue 2.5 Gbps WAN port on your MR27BE router.

3. **Connect Power:** Connect the power adapter to the router's Power port and plug it into an electrical outlet.

4. **Power On:** Wait for the router to power on completely. The LED indicator should turn solid green.

5. **Connect Devices (Optional):** For wired devices, connect an Ethernet cable from your computer or other device to one of the yellow LAN ports on the router.

Cover Your Whole Home with EasyMesh

Flexible WiFi Range Expansion

Works with Different Vendors

Seamless WiFi Connections

Router and Extender Compatible with EasyMesh

This image shows the 2.5 Gbps ports of the MR27BE router in use, illustrating connections for 2.5 Gbps wired devices and multi-gig internet access, emphasizing high-performance networking.

4.2 Initial Configuration

You can configure your router using the MERCUSYS app or a web browser.

Using the MERCUSYS App:

1. Download the MERCUSYS app from the App Store or Google Play.

2. Connect your smartphone to the router's default Wi-Fi network (SSID and password are on the label at the bottom of the router).

3. Open the MERCUSYS app and follow the on-screen instructions to complete the setup.

Using a Web Browser:

1. Connect your computer to the router via an Ethernet cable or the default Wi-Fi network.

2. Open a web browser and type mwlogin.net or 192.168.1.1 into the address bar.

3. Create a login password when prompted.

4. Follow the Quick Setup wizard to configure your internet connection and Wi-Fi settings.
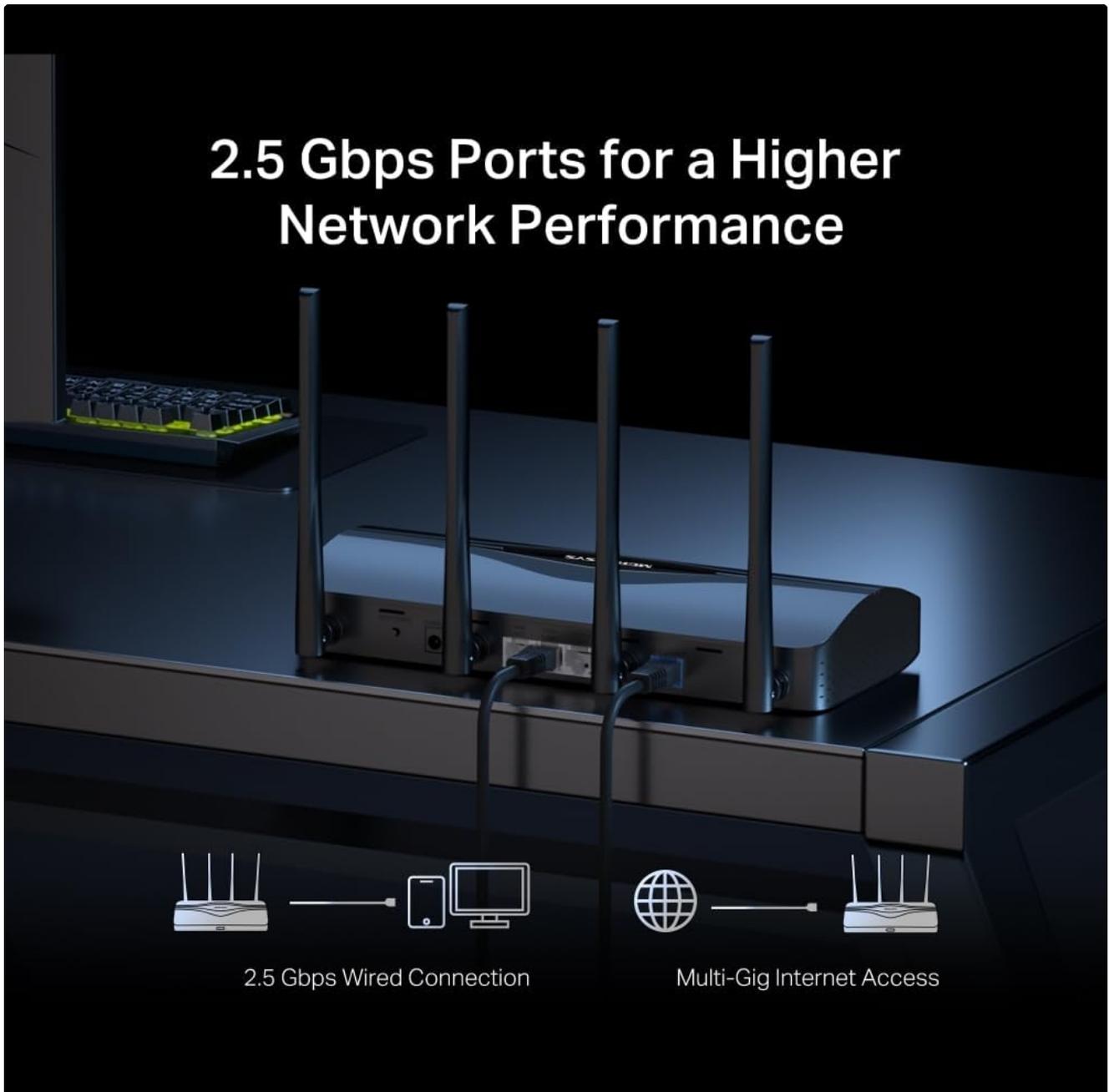
5. OPERATING THE ROUTER

5.1 Connecting Devices

- **Wireless Devices:** Search for your Wi-Fi network name (SSID) on your device and enter the Wi-Fi password you set during setup.
- **Wired Devices:** Connect an Ethernet cable from your device to any available LAN port on the router.

5.2 EasyMesh Compatibility

The MR27BE router supports EasyMesh, allowing you to create a seamless whole-home Wi-Fi network by adding compatible EasyMesh range extenders or other routers.

This diagram visually explains how the EasyMesh system, compatible with the MR27BE router, can expand Wi-Fi coverage throughout an entire home, ensuring seamless connections.

To set up an EasyMesh network, refer to the instructions provided with your EasyMesh compatible devices or the

MERCUSYS app.

5.3 Advanced Settings (via Web Interface)

Access the web interface (mwlogin.net) to configure advanced settings such as:

- **Guest Network:** Create a separate Wi-Fi network for guests.
- **Parental Controls:** Manage internet access for specific devices.
- **Network Security:** Configure firewall rules and access control.
- **Operation Mode:** Switch between Router, Access Point, or Range Extender modes.

6. Maintenance

6.1 Firmware Update

Regularly updating the router's firmware ensures optimal performance and security. You can check for updates via the MERCUSYS app or the web interface under System Tools > Firmware Upgrade.

6.2 Restarting the Router

If you experience network issues, a simple restart can often resolve them. You can restart the router via the MERCUSYS app, the web interface, or by unplugging and replugging the power adapter.

6.3 Factory Reset

A factory reset will restore the router to its default settings. This can be done by pressing and holding the Reset/WPS button on the rear panel for more than 5 seconds until the LED blinks rapidly, or via the web interface under System Tools > Factory Defaults.

7. Troubleshooting

7.1 No Internet Access

- Check all cable connections, especially the WAN port connection to your modem.
- Ensure your modem is working correctly.
- Restart both your modem and router.
- Verify your internet settings in the router's web interface.

7.2 Wi-Fi Signal Issues

- Ensure the router is placed in a central location, away from obstructions and interference sources (e.g., microwaves, cordless phones).
- Adjust the router's antennas for optimal coverage.
- Consider using EasyMesh compatible devices to extend coverage in larger homes.

7.3 Forgotten Wi-Fi Password or Login Password

- The default Wi-Fi password is on the label at the bottom of the router.
- If you changed it and forgot, you will need to perform a factory reset to restore default settings, then reconfigure the router.

8. Specifications

Model Name	MR27BE
Wireless Standard	802.11be (Wi-Fi 7)
Frequency Band Class	Dual-Band
WAN Port	1x 2.5 Gbps WAN Port
LAN Ports	1x 2.5 Gbps LAN Port, 2x 1 Gbps LAN Ports
Special Feature	EasyMesh Compatible
Product Dimensions	7.87 x 5.91 x 3.94 inches
Item Weight	2.23 pounds
Included Components	MR27BE, Power Adapter, instruction manual

9. SUPPORT

For technical support, warranty information, or further assistance, please visit the official Mercusys website or contact Mercusys customer support.

- **Mercusys Official Website:** www.mercusys.com
- Refer to the Quick Installation Guide for initial setup and contact details.