

TP-Link Archer BE800

TP-Link Archer BE800 WiFi 7 Router User Manual

Model: Archer BE800 | Brand: TP-Link

1. INTRODUCTION

The TP-Link Archer BE800 is a Tri-Band BE19000 WiFi 7 Router designed to deliver high-speed, efficient, and reliable network performance. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your Archer BE800 router, ensuring you can maximize its advanced features and capabilities.

Supercharged by the latest WiFi 7 technology, Archer BE800 takes your WiFi network's power and efficiency further than ever. Delivering unbelievable speeds up to 19 Gbps on a quad band channel with WiFi 7 exclusive features like 320 MHz channel and 4K-QAM, the Archer BE800 will crush its competition with sheer performance. 8 x High performance antennas provide stable and reliable connection while EasyMesh compatibility will aid in the future expansion of your network coverage. The included 1 x 10 Gbps SFP+ Fiber WAN/LAN combo port and 1 x 10 Gbps WAN/LAN port provides flexible support for both fiber and copper connection and 4 x 2.5 Gbps ports along with 1 USB 3.0 port ensure maximum expandability. Project information such as time, weather, or text through the LED screen to choose over 3000+ custom graphics and emojis. Keep your real-time network statistics conveniently accessible through the LED screen display while HomeShield provides detailed network analytics with enhanced security for your home network.

2. PRODUCT OVERVIEW

The Archer BE800 router integrates cutting-edge technology to provide a superior networking experience. Below are its primary features and components.



Figure 2.1: Front view of the TP-Link Archer BE800 WiFi 7 Router, showcasing its sleek design and LED screen.

Key Features

- **Lightning-Fast BE19000 Tri-Band Wi-Fi 7 Speeds:** Achieves speeds of 11520 Mbps (6GHz), 5760 Mbps (5GHz), and 1376 Mbps (2.4GHz) with Multi-Link Operation, Multi-RUs, 4K-QAM, and 320 MHz channels for fluent 4K/8K streaming and immersive AR/VR gaming.

- **Pro-Grade Dual 10G WAN/LAN Ports:** Features one RJ45 port and one SFP+ Fiber/RJ45 Ethernet combo port, supporting both fiber and copper connections. Includes four 2.5G ports and a USB 3.0 port for maximum expandability.
- **Premium Components:** Proprietary Wi-Fi optimization and 8 optimally positioned antennas with Beamforming for stronger, more reliable connections and less interference.
- **Flexible Whole Home Mesh WiFi:** EasyMesh-Compatible, allowing seamless whole home Mesh Wi-Fi when paired with compatible routers and range extenders.
- **TP-Link HomeShield:** Premium security service offering network and IoT protection, including Security Scan, IoT Device Identification, Parental Controls, Quality of Service, and optional advanced features.
- **Private IoT Network:** Create a separate WiFi network for IoT devices with HomeShield and WPA3 encryption for enhanced security.
- **VPN Clients and Server Supported:** Allows devices to access remote VPN servers without individual software installation, supporting simultaneous VPN and ordinary internet connections.
- **LED Screen:** Customizable display for time, weather, text, and over 3000 custom graphics and emojis, providing real-time network statistics.
- **Easy Set Up and Management:** Managed conveniently through the free TP-Link Tether App for Android and iOS devices.
- **Extensive Compatibility:** Works with Amazon Alexa or Google Assistant for voice control and is backward compatible with all WiFi generations and any internet service provider (modem required).

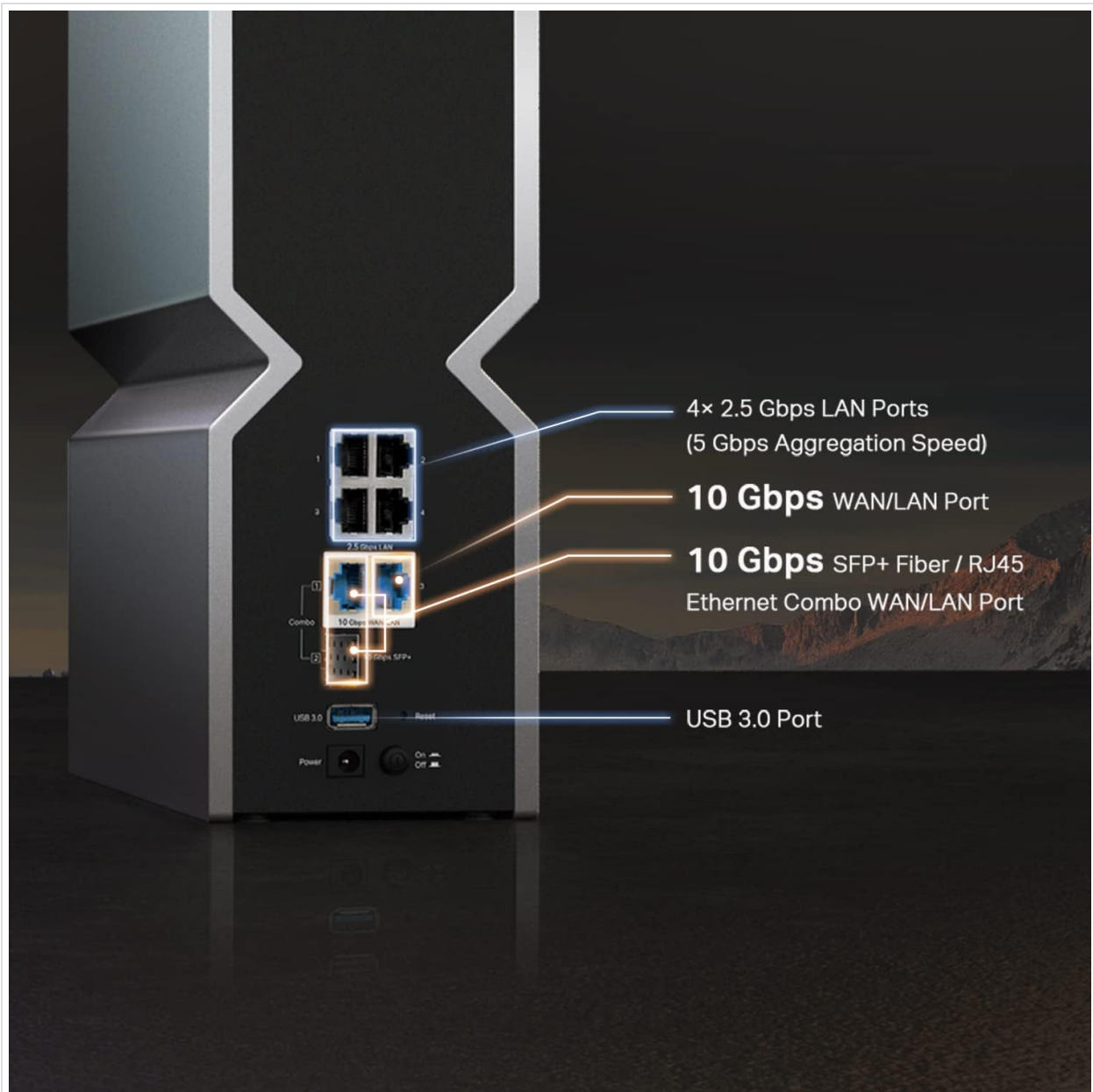


Figure 2.2: Rear view of the Archer BE800, highlighting the 4x 2.5 Gbps LAN Ports, 10 Gbps WAN/LAN Port, 10 Gbps SFP+ Fiber/RJ45 Ethernet Combo WAN/LAN Port, and USB 3.0 Port.



Figure 2.3: The customizable LED screen on the Archer BE800, capable of displaying weather, time, and various emojis.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Wi-Fi 7 Router Archer BE800
- Power Adapter
- RJ45 Ethernet Cable
- Quick Installation Guide

4. SETUP GUIDE

4.1 Initial Hardware Setup

1. **Power Off Your Modem:** Disconnect the power from your existing modem.
2. **Connect the Router:** Connect one end of the provided Ethernet cable to the WAN/LAN port (10G) on your Archer BE800 router and the other end to your modem's Ethernet port.

3. **Power On Devices:** First, power on your modem and wait for it to fully boot up (usually indicated by stable indicator lights). Then, connect the power adapter to your Archer BE800 router and plug it into a power outlet. Wait for the router to power on and its LED screen to display information.
4. **Connect Devices:** You can connect your devices to the router via Ethernet cables to the LAN ports (2.5G) or wirelessly using the default Wi-Fi network name (SSID) and password printed on the label at the bottom of the router.

4.2 Software Setup (Using TP-Link Tether App)

1. **Download the Tether App:** Search for "TP-Link Tether" in the Apple App Store or Google Play Store and download the app.
2. **Launch the App and Log In:** Open the Tether app. If you have a TP-Link ID, log in. If not, create one.
3. **Add Your Router:** Tap the "+" icon in the Tether app and select "Router" then "Wireless Router". Follow the on-screen instructions to select your Archer BE800 model.
4. **Configure Your Network:** The app will guide you through the internet connection setup, Wi-Fi network name (SSID) and password customization, and router administration password creation.
5. **Enjoy Your Network:** Once setup is complete, your devices will be connected to your new Wi-Fi 7 network.

5. OPERATION

5.1 Basic Usage

- **Connecting to Wi-Fi:** On your device, select your customized Wi-Fi network name (SSID) and enter the password you set during setup.
- **Accessing Router Settings:** Use the Tether app for convenient management or open a web browser and type tplinkwifi.net or the router's IP address (e.g., 192.168.0.1) into the address bar. Log in with your administrator password.

5.2 Advanced Features

- **LED Screen Customization:** Use the Tether app or web interface to customize the information displayed on the router's LED screen, including weather, time, text messages, and various emojis.
- **VPN Client/Server:** Configure VPN settings through the router's web interface to allow devices on your network to securely access remote VPN servers or to create a VPN server for remote access to your home network.
- **EasyMesh:** If you have other EasyMesh-compatible TP-Link devices, use the Tether app to expand your Wi-Fi coverage and create a seamless mesh network with a single Wi-Fi name.
- **HomeShield:** Access HomeShield features via the Tether app. This includes network security scans, parental controls, QoS (Quality of Service) for prioritizing devices, and IoT device identification. Consider upgrading to HomeShield Pro for advanced features like DDoS attack prevention and enhanced IoT protection.
- **Private IoT Network:** Create a dedicated Wi-Fi network for your smart home devices to isolate them from your main network, enhancing security. This can be configured in the router's settings.

6. MAINTENANCE

- **Firmware Updates:** Regularly check for and install firmware updates through the Tether app or router's

web interface to ensure optimal performance, security, and access to new features.

- **Router Placement:** Place the router in a central location, away from obstructions and interference sources (e.g., microwaves, cordless phones) to maximize Wi-Fi coverage and signal strength.
- **Cleaning:** Keep the router clean and free of dust. Use a soft, dry cloth for cleaning. Do not use liquid cleaners or aerosols.
- **Restarting:** If you experience network issues, try restarting the router by unplugging its power adapter for 10 seconds and then plugging it back in.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Archer BE800 router.

Problem	Solution
No Internet Connection	<ol style="list-style-type: none">1. Check all cable connections between the router, modem, and wall outlet.2. Restart your modem and then your router.3. Verify your internet service is active with your ISP.4. Check the WAN/Internet LED indicator on the router.
Slow Wi-Fi Speed	<ol style="list-style-type: none">1. Ensure the router is centrally located and free from obstructions.2. Check for interference from other electronic devices.3. Update your router's firmware.4. Use the 5GHz or 6GHz band for devices that support it, as these offer higher speeds.5. Limit bandwidth usage for certain applications using QoS settings.
Cannot Access Router Settings	<ol style="list-style-type: none">1. Ensure your device is connected to the router's network (wired or wireless).2. Try accessing tplinkwifi.net or the router's default IP address (e.g., 192.168.0.1) in your browser.3. Clear your browser's cache or try a different browser.4. If you forgot your password, you may need to factory reset the router (refer to the Quick Installation Guide for steps).
Devices Not Connecting to Wi-Fi	<ol style="list-style-type: none">1. Verify you are entering the correct Wi-Fi password.2. Check if MAC filtering is enabled on the router and if your device's MAC address is allowed.3. Restart both the router and the device attempting to connect.4. Ensure the Wi-Fi network is broadcasting (not hidden).
LED Screen Not Displaying	<ol style="list-style-type: none">1. Ensure the router is powered on.2. Check the router's settings via the Tether app or web interface to ensure the LED screen is enabled and configured to display information.

8. SPECIFICATIONS

Below are the technical specifications for the TP-Link Archer BE800 WiFi 7 Router.

Feature	Detail
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Feature	Detail
Product Dimensions	11.87 x 10.32 x 3.78 inches
Item Weight	4.78 pounds
Model Number	Archer BE800
Brand	TP-Link
Special Features	QoS, Access Point Mode, Guest Mode, WPS, LED Screen
Frequency Band Class	Tri-Band (2.4 GHz, 5 GHz, 6 GHz)
Wireless Communication Standard	Wi-Fi 7 (802.11be)
Compatible Devices	Gaming Console, Personal Computer, Tablet, Smart Television, Smartphone
Frequency	320 MHz (channel width)
Recommended Uses	Gaming, Home Networking
Connectivity Technology	Wi-Fi, USB, Ethernet
Ports	2 x 10G WAN/LAN (1 RJ45, 1 SFP+ Fiber/RJ45 Combo), 4 x 2.5G LAN, 1 x USB 3.0
Manufacturer	TP-Link
Country of Origin	Vietnam

9. WARRANTY AND SUPPORT

TP-Link provides comprehensive support for its products. For warranty information, please refer to the warranty card included in your product packaging or visit the official TP-Link website for detailed terms and conditions specific to your region.

For technical support, troubleshooting assistance, or to download the latest firmware and drivers, please visit the TP-Link support website. You can also utilize the TP-Link Tether app for direct access to support resources and community forums.

Optional protection plans are available for purchase to extend coverage beyond the standard manufacturer's warranty. Please check with your retailer or TP-Link for details on available protection plans.