

TP-Link Archer BE230

TP-Link Dual-Band BE3600 Wi-Fi 7 Router Archer BE230 User Manual

Model: Archer BE230

Brand: TP-Link

1. INTRODUCTION

The TP-Link Archer BE230 is a state-of-the-art Dual-Band BE3600 Wi-Fi 7 Router designed to deliver blazing-fast speeds and reliable connectivity for modern homes. Featuring advanced Wi-Fi 7 innovations such as Multi-Link Operation (MLO), Multi-RU, and 4K-QAM, this router ensures enhanced performance for all your devices. With multiple multi-gigabit ports and a powerful quad-core processor, it handles heavy network traffic effortlessly, providing a seamless online experience for streaming, gaming, and browsing.

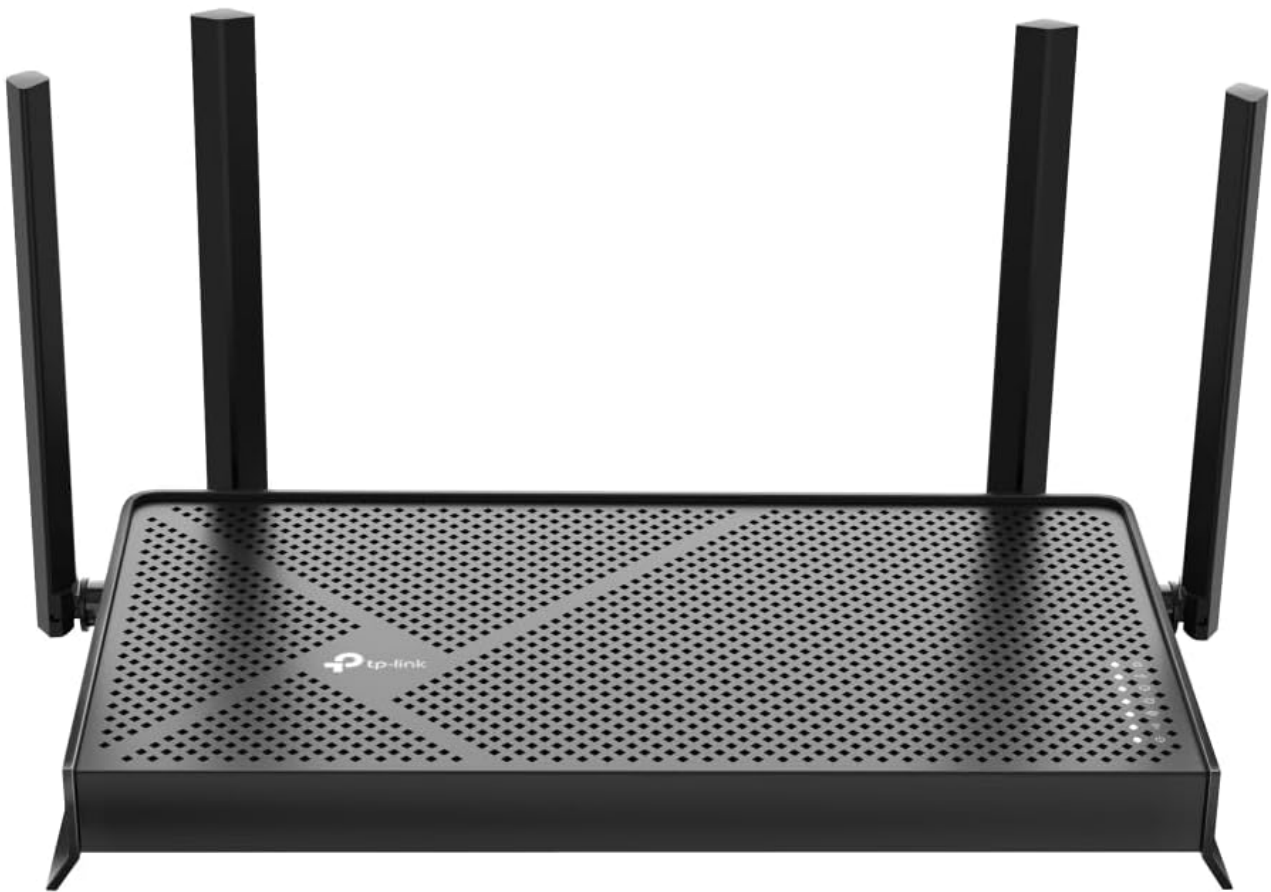


Figure 1.1: Front view of the TP-Link Archer BE230 Wi-Fi 7 Router.

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Video 1.1: Product Overview of the TP-Link Archer BE230 Wi-Fi 7 Router, highlighting its design and key features.

2. WHAT'S IN THE BOX

Please check the contents of your package. If any item is missing or damaged, contact customer support.

- Wi-Fi 7 Router Archer BE230
- 1 x RJ45 Ethernet Cable
- 1 x Power Adapter
- 1 x Quick Installation Guide (QIG)

3. SETUP GUIDE

3.1. Hardware Connection

1. Power off your modem and remove the backup battery if it has one.
2. Connect your modem to the router's 2.5 Gbps WAN/LAN port (blue) using an Ethernet cable.
3. Power on the modem, then wait about 2 minutes for it to restart.

4. Connect the power adapter to the router and press the On/Off button to turn on the router.
5. Verify that the Internet LED (globe icon) is solid white, indicating a successful connection.



Figure 3.1: Rear view of the Archer BE230 showing the WAN/LAN, LAN, USB, and power ports.

3.2. Software Setup (TP-Link Tether App)

The TP-Link Tether app provides an easy way to set up and manage your router. Follow these steps:

1. Download the TP-Link Tether app from the App Store or Google Play Store, or scan the QR code below.
2. Open the Tether app and log in with your TP-Link ID. If you don't have one, create one first.
3. Tap the "+" button in the Tether app and select "Wireless Router" > "Standard Router". Follow the in-app instructions to complete the setup and connect to the internet.

Unlock Multi-Gig Performance with Dual 2.5 Gigabit Ports

Maximize your Gigabit+ internet speeds with dual 2.5 Gbps WAN and LAN ports. Break through the 1G bottleneck and enjoy a seamless, high-speed pipeline from the internet to your LAN devices.[§]

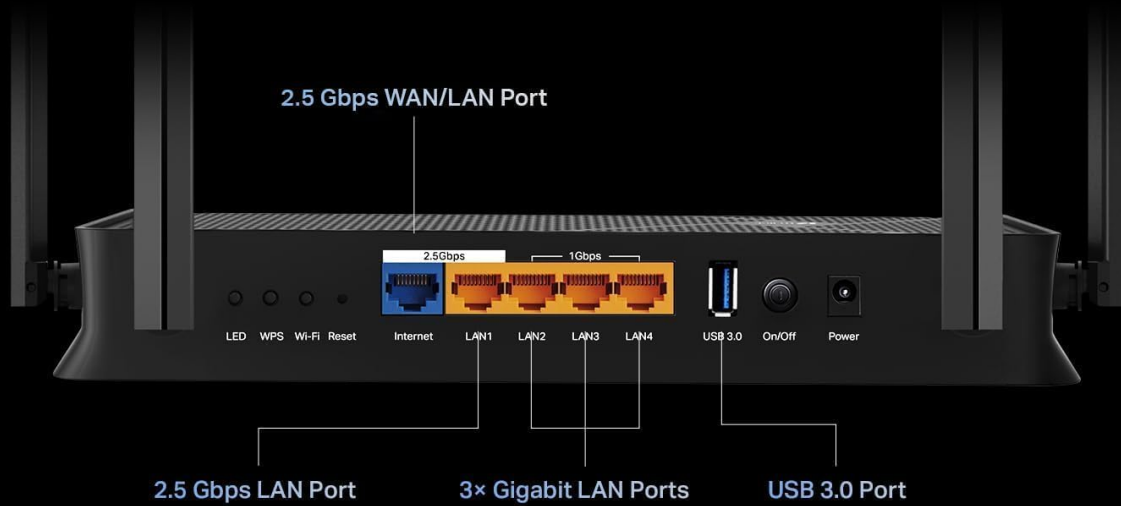


Figure 3.2: Visual guide for setting up the Archer BE230 using the TP-Link Tether App. The image shows steps to connect hardware, download the app, and configure the router.

Download the Tether App: <https://www.tp-link.com/app/qrcode/?app=tether>

4. OPERATING INSTRUCTIONS

4.1. Wi-Fi 7 Features

The Archer BE230 leverages cutting-edge Wi-Fi 7 technologies for superior performance:

- **Multi-Link Operation (MLO):** Combines multiple bands (2.4 GHz and 5 GHz) for increased speed, lower latency, and improved reliability.
- **Multi-RU:** Enhances throughput by making more efficient use of spectrum resources.
- **4K-QAM:** Packs 120% more data into signals for higher speeds, optimizing data transmission.

Blast into the Next Era with 3.6 Gbps WiFi 7

Get ready for a new era of Wi-Fi! Powered by WiFi 7 technology, the Archer BE3600 delivers dual-band wireless speeds up to 3.6 Gbps. Enjoy seamless 4K/8K streaming, immersive AR/VR gaming, and lightning-fast downloads.

Multi-Link Operation

Higher speed, lower latency, more reliable.*

Multi-RUs

Makes full use of resource for higher throughput

4K-QAM

Packs 120% data for higher speeds.†

5 Ghz

2882 Mbps

2.4 Ghz

688 Mbps

Figure 4.1: Diagram illustrating Multi-Link Operation (MLO), Multi-RU, and 4K-QAM technologies for enhanced Wi-Fi 7 performance.

4.2. Multi-Gigabit Ports

Maximize your internet speeds with the router's versatile port configuration:

- One 2.5 Gbps WAN/LAN port for high-speed internet input or LAN connection.
- One 2.5 Gbps LAN port for connecting high-bandwidth wired devices.
- Three 1 Gbps LAN ports for additional wired connections.
- One USB 3.0 port for connecting external storage devices for media and file sharing.

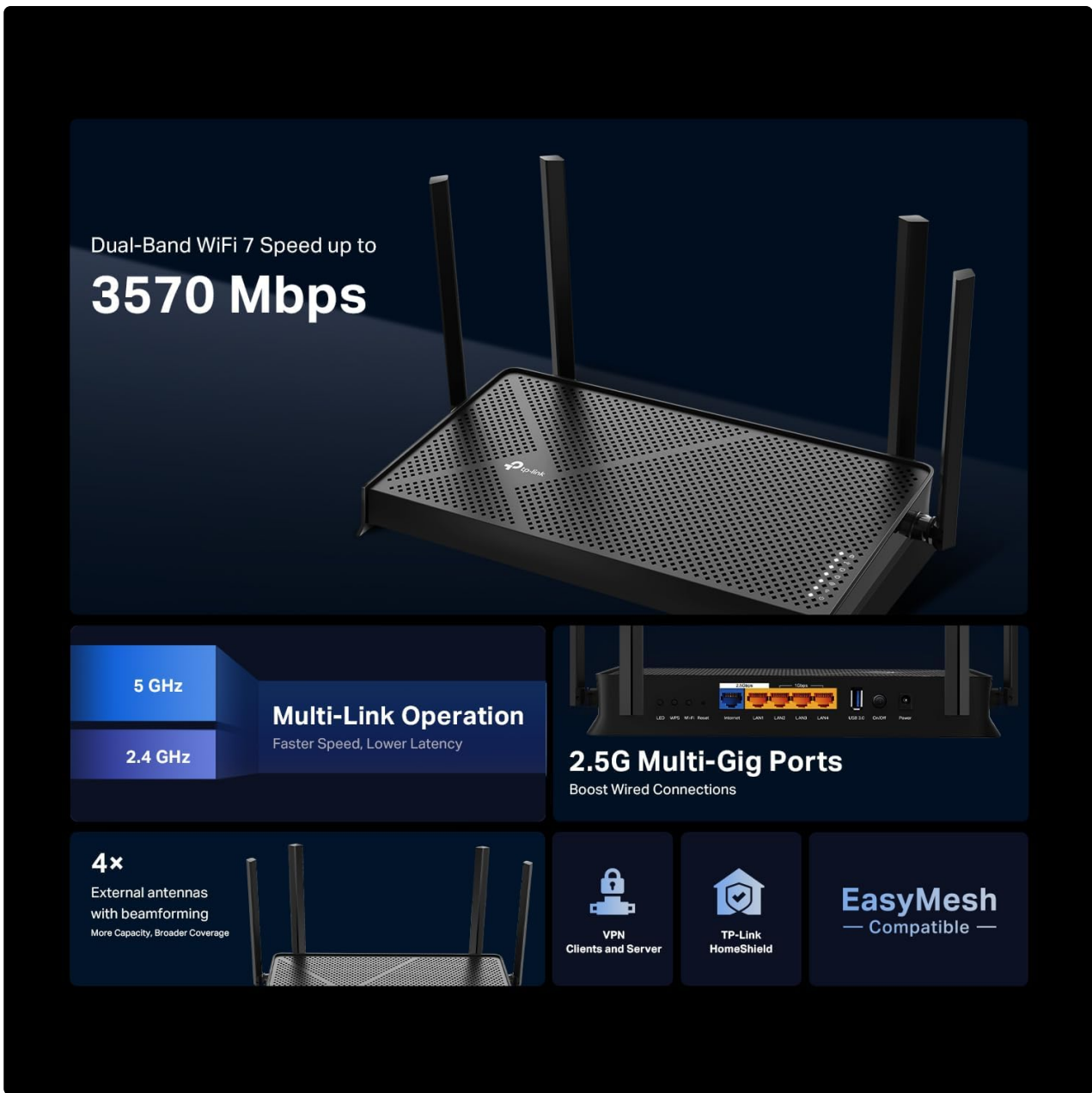
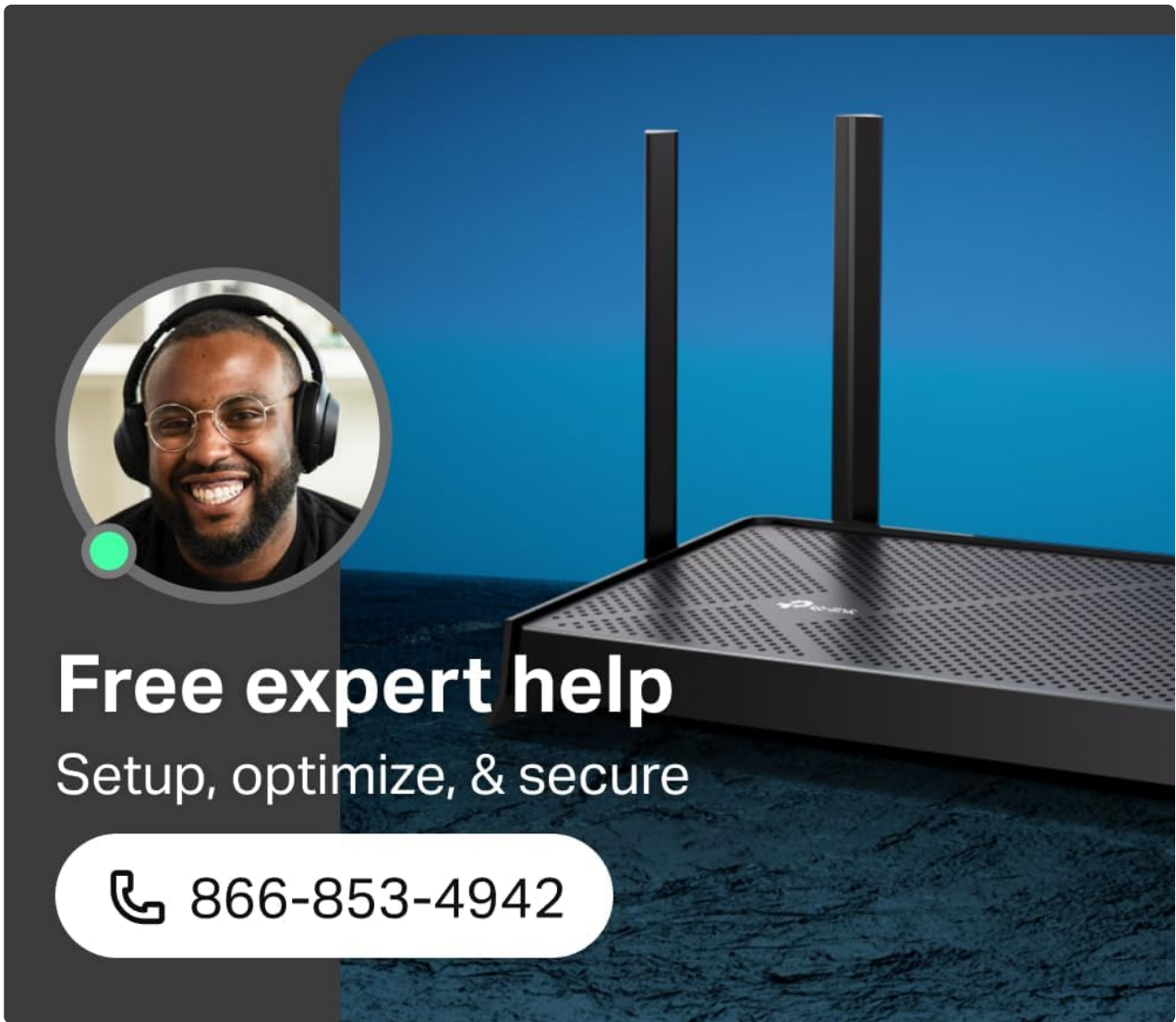


Figure 4.2: Close-up of the router's rear panel, detailing the 2.5 Gbps WAN/LAN port, 2.5 Gbps LAN port, 1 Gbps LAN ports, and USB 3.0 port.

4.3. Enhanced Coverage

The Archer BE230 ensures strong and reliable Wi-Fi signals throughout your home:

- **Four High-Performance Antennas:** Boost Wi-Fi signals to cover larger areas.
- **Beamforming Technology:** Intelligently focuses Wi-Fi signals towards connected devices, improving signal strength and reliability, especially in hard-to-reach areas.



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Setup, optimize, & secure


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Figure 4.3: The Archer BE230 router with its four external antennas extended, illustrating enhanced Wi-Fi coverage.

4.4. Powerful Processor

Equipped with a 2.0 GHz Quad-Core Processor, the Archer BE230 efficiently manages high data throughput, minimizing lag and ensuring stable connections even under heavy network loads.

Our Commitment to Cybersecurity and Privacy



TP-Link is a signatory of the U.S. Cybersecurity and Infrastructure Security Agency's (CISA) Secure-by-Design pledge.

This device is designed, built, and maintained with advanced security as a core requirement.

Learn more at: www.cisa.gov/securebydesign



HomeShield is a built-in service, available in all HomeShield routers and Deco mesh products.

- Router Security Scan
- Wireless Security Scan
- IoT Device Identification
- Basic Parental Controls
- IoT Protection*
- Web Protection*
- Intrusion Prevention*
- Antivirus Protection*

*Included with HomeShield premium subscription service

Figure 4.4: Diagram highlighting the router's 2.0 GHz Quad-Core Processor, emphasizing its role in managing high throughput and ensuring stable connections.

4.5. VPN Support

The Archer BE230 supports both VPN clients and servers, allowing devices in your home network to access remote VPN servers without needing to install VPN software on every device. It can run both VPN and ordinary internet connections simultaneously, enhancing security and flexibility.



Figure 4.5: Diagram illustrating the router's VPN client and server support, showing simultaneous VPN and ordinary internet connections.

4.6. EasyMesh Compatibility

The Archer BE230 is EasyMesh-ready, allowing it to work with other EasyMesh routers and range extenders to create a seamless Mesh Wi-Fi network throughout your home. This eliminates Wi-Fi dead zones and provides uninterrupted connectivity as you move between signals.

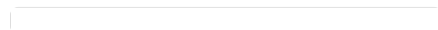
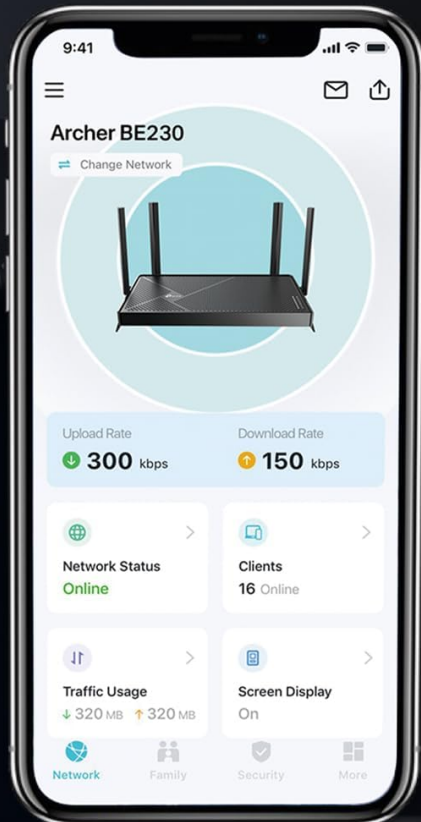


Figure 4.6: Diagram showing how EasyMesh creates a seamless whole-home Wi-Fi network, eliminating dead zones and enabling smart roaming.

4.7. TP-Link HomeShield

TP-Link HomeShield provides comprehensive network protection, robust parental controls, and real-time IoT security for a safer internet experience. Features include Router Security Scan, IoT Protection, Web Protection, Intrusion Prevention, and Antivirus Protection.



Easy Setup with the Tether App

Install the Tether app and simply follow the on-screen directions. In just three easy steps your entire home can be blanketed in strong and reliable WiFi.

[Learn more about the Tether app](#)

- 1 CONNECT**
to a modem and power on both.
- 2 DOWNLOAD**
and launch the Tether app.
- 3 CONFIGURE**
by following the in-app instructions.



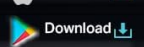

   

Figure 4.7: Overview of TP-Link HomeShield features, including Home Network Scanner, Parental Controls, and Quality of Service.

4.8. Voice Control

The Archer BE230 is compatible with Amazon Alexa and Google Assistant, allowing you to control your home network with simple voice commands.

5. MAINTENANCE

- **Regular Reboots:** Periodically reboot your router (e.g., once a month) to clear its memory and ensure optimal performance.
- **Firmware Updates:** Check the TP-Link website or Tether app regularly for firmware updates. Keeping

your firmware up-to-date ensures you have the latest features, security patches, and performance improvements.

- **Physical Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth to wipe the exterior. Ensure ventilation holes are not blocked to prevent overheating.
- **Optimal Placement:** Place the router in a central location, away from obstructions and interference sources (like microwaves or cordless phones), to maximize Wi-Fi coverage.
- **Secure Network:** Use strong, unique passwords for your Wi-Fi network and router administration. Enable WPA3 encryption if supported by your devices.

6. TROUBLESHOOTING

- **No Internet Access:**
 - Check modem and router connections. Ensure all cables are securely plugged in.
 - Reboot your modem and router. Power them off, wait 30 seconds, then power on the modem first, followed by the router.
 - Verify your Internet Service Provider (ISP) connection. Contact your ISP if the issue persists.
- **Weak Wi-Fi Signal or Dead Zones:**
 - Relocate the router to a central, open area, away from walls, metal objects, and other electronic devices.
 - Adjust antenna orientation. Try different angles to optimize signal strength.
 - Consider adding an EasyMesh-compatible range extender or another EasyMesh router to expand coverage.
- **Slow Internet Speed:**
 - Ensure your devices are connected to the appropriate Wi-Fi band (5 GHz for faster speeds, 2.4 GHz for wider coverage).
 - Disconnect unused devices from the network.
 - Check for firmware updates.
 - Perform a speed test directly connected to the router via Ethernet to rule out Wi-Fi issues.
- **Cannot Access Router Management Page:**
 - Ensure your device is connected to the router's network.
 - Verify the router's IP address (usually 192.168.0.1 or 192.168.1.1) and try accessing it again.
 - Clear your browser's cache and cookies, or try a different browser.

7. SPECIFICATIONS

Feature	Detail
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Model Name	BE3600 Dual-Band Wi-Fi 7 Router (Archer BE230)
Wi-Fi Standard	Wi-Fi 7 (802.11be)
Wi-Fi Speeds	Up to 3.6 Gbps (2882 Mbps on 5 GHz, 688 Mbps on 2.4 GHz)
Processor	2.0 GHz Quad-Core CPU
Ethernet Ports	1 x 2.5 Gbps WAN/LAN, 1 x 2.5 Gbps LAN, 3 x 1 Gbps LAN
USB Port	1 x USB 3.0
Antennas	4 x External High-Performance Antennas
Dimensions (L x W x H)	13.52 x 10.7 x 1.6 inches
Item Weight	1.21 pounds
Special Features	MLO, Multi-RU, 4K-QAM, EasyMesh, HomeShield, VPN Client/Server, Voice Control (Alexa/Google Assistant)
First Available Date	August 19, 2024

8. WARRANTY AND SUPPORT

Your TP-Link Archer BE230 router comes with a standard manufacturer's warranty. For detailed warranty terms and conditions, please refer to the Quick Installation Guide or visit the official TP-Link website.

For any setup assistance, troubleshooting, or technical support, please contact TP-Link's expert support team:

- **Email:** Support.USA@tp-link.com
- **Phone:** +1 866-225-8139

You can also find additional resources, FAQs, and user forums on the TP-Link support website.