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> [TP-Link Archer BE12000 Tri-Band Wi-Fi 7 Router \(Archer BE670\) User Manual](#)

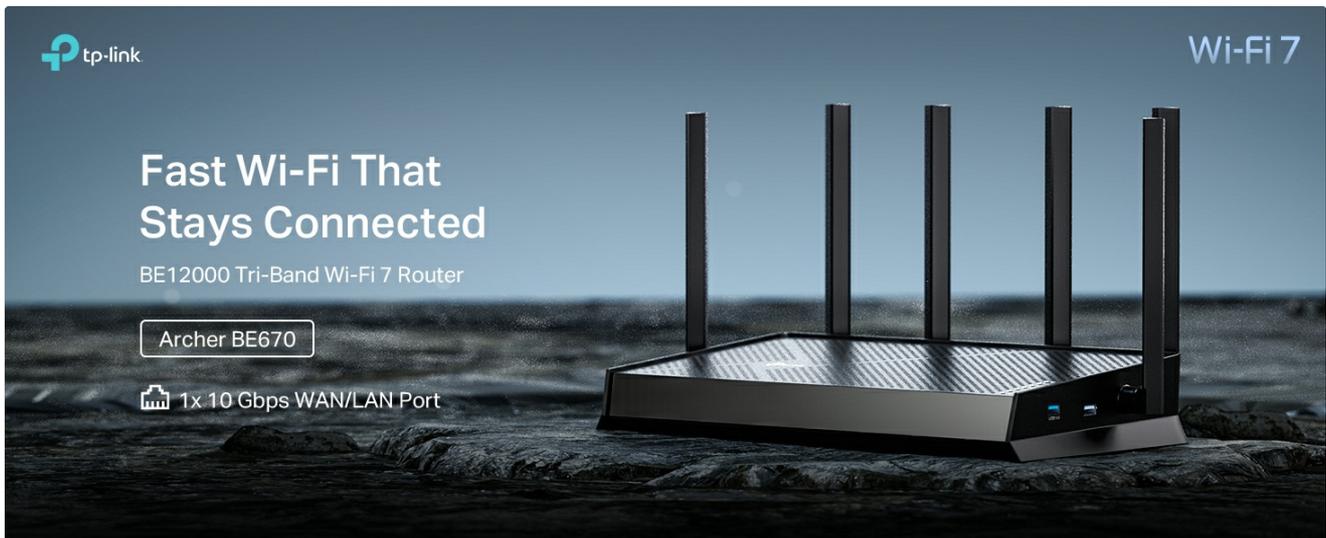
TP-Link Archer BE670

TP-Link Archer BE12000 Tri-Band Wi-Fi 7 Router (Archer BE670) User Manual

Model: Archer BE670

1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your TP-Link Archer BE12000 Tri-Band Wi-Fi 7 Router (Model: Archer BE670). This high-performance router is designed to deliver advanced Wi-Fi 7 connectivity, featuring tri-band support, multi-gigabit ports, and extensive coverage for a connected home environment.



This image provides a visual summary of the TP-Link Archer BE12000 router's main features, including its Tri-Band Wi-Fi 7 capabilities, 6 high-performance antennas, 10 Gigabit port, and coverage up to 3,000 sq. ft.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- 1 x TP-Link Archer BE670 Wi-Fi 7 Router
- 1 x Power Adapter
- 1 x RJ45 Ethernet Cable
- 1 x Quick Installation Guide

3. SETUP INSTRUCTIONS

Follow these steps to set up your Archer BE670 router using the TP-Link Tether app. A separate modem is required for internet connectivity.

1. **Connect Hardware:** Connect your modem to the router's WAN port using the provided Ethernet cable. Connect the power adapter to the router and plug it into a power outlet. Power on both the modem and the router.
2. **Download Tether App:** Download the TP-Link Tether app from your mobile device's app store (available for iOS and Android). You can scan the QR code in the image below or visit tp-link.com/app/qrcode/?app=tether.
3. **Configure Router:** Open the Tether app and follow the on-screen instructions to complete the setup process. This includes creating a TP-Link ID, setting up your Wi-Fi network name (SSID) and password, and configuring other basic settings.



We Put Our Customers First, Always

Need help with your purchase? Most issues are resolved by contacting TP-Link Support – available via chat, phone, email, or the FAQs on our website's support page.

1.866.225.8139
myproducts.tp-link.com/us
support.usa@tp-link.com

Chat Support

This image displays the simple three-step setup process using the TP-Link Tether app: 1. Connect to a modem and power on both. 2. Download and launch the Tether app. 3. Configure by following in-app instructions. A QR code for the app is also visible.

4. OPERATING YOUR ROUTER

4.1 Wi-Fi 7 Features

The Archer BE670 leverages Wi-Fi 7 technology to provide enhanced speed, capacity, and reliability.

Tri-Band Wi-Fi Performance

The router operates on three distinct bands: 6 GHz, 5 GHz, and 2.4 GHz, offering a combined theoretical speed of up to 12 Gbps. This allows for dedicated high-speed connections for various devices and applications.

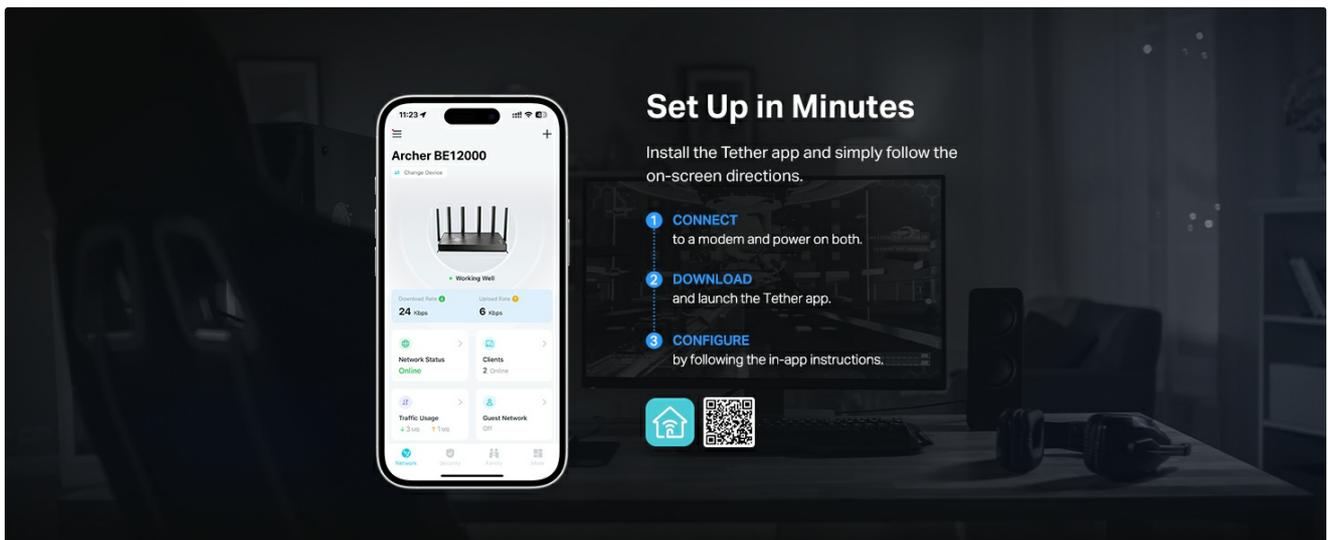
- **6 GHz Band:** Up to 5765 Mbps, ideal for Wi-Fi 7 compatible devices requiring the highest speeds and lowest latency.
- **5 GHz Band:** Up to 5765 Mbps, suitable for high-bandwidth activities like 4K/8K streaming and online gaming.
- **2.4 GHz Band:** Up to 688 Mbps, providing broad coverage and compatibility for older devices and smart home gadgets.



This diagram details the maximum theoretical speeds for each Wi-Fi band: 5765 Mbps on 6 GHz, 5765 Mbps on 5 GHz, and 688 Mbps on 2.4 GHz, totaling 12 Gbps. It also shows use cases like 4K/8K streaming, video conferencing, low-latency gaming, and VR/AR/XR experiences.

Multi-Link Operation (MLO)

MLO allows Wi-Fi 7 devices to simultaneously send and receive data across different frequency bands (2.4 GHz, 5 GHz, and 6 GHz). This aggregation of bands results in increased throughput, reduced latency, and improved reliability, especially for real-time applications.



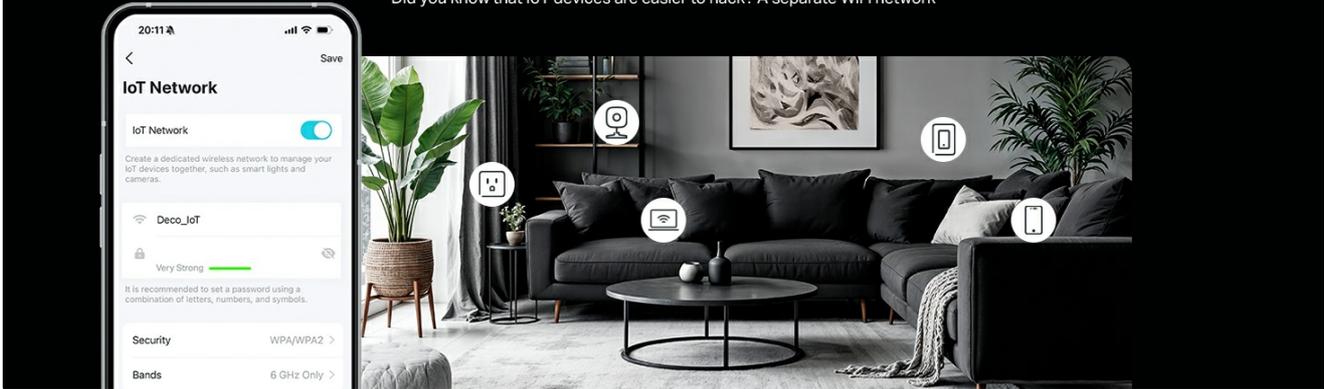
This diagram illustrates Multi-Link Operation (MLO), a Wi-Fi 7 feature that allows devices to transmit data over multiple Wi-Fi bands (2.4 GHz, 5 GHz, 6 GHz) concurrently, ensuring more stable and faster connections, especially for demanding applications like video conferencing and streaming.

320 MHz Channels

Wi-Fi 7 introduces wider 320 MHz channels on the 6 GHz band, effectively doubling the bandwidth compared to 160 MHz channels found in Wi-Fi 6E. This provides significantly higher data rates for compatible devices, enhancing performance for bandwidth-intensive tasks.

Private IoT Network for More Security

Did you know that IoT devices are easier to hack? A separate WiFi network



This graphic explains the benefit of 320 MHz ultra-wide channels available in Wi-Fi 7 (on the 6 GHz band), which doubles the throughput compared to 160 MHz channels in Wi-Fi 6E, providing higher bandwidth for data-intensive tasks.

4K-QAM Technology

4K-QAM (4096-QAM) allows each symbol to carry 12 bits of data, a 20% increase over the 10 bits carried by 1024-QAM in Wi-Fi 6E. This higher data density translates to faster data transmission and quicker downloads for compatible devices.



Secure-By-Design Pledge

All TP-Link devices are designed with security as the utmost importance.



Focused on Network Protection

A built-in security service, available in all Homeshield TP-Link routers and Deco mesh products.



Dedicated Customer Support

Call 866-255-8139 for 24/7 free support to setup, optimize, and secure your TP-Link router.

[CLICK TO LEARN MORE](#)

This image demonstrates 4K-QAM (4096-QAM) technology in Wi-Fi 7, which allows for 20% more data transmission per symbol compared to 1024-QAM in Wi-Fi 6E, resulting in faster data delivery for downloads and updates.

Multi-RU Technology

Multi-RU (Resource Unit) technology improves spectrum utilization by allowing a single user to transmit data on multiple resource units simultaneously. This optimizes efficiency and reduces latency, especially in congested network environments with many devices.



This graphic illustrates Multi-RU (Resource Unit) technology, a Wi-Fi 7 feature that allows for more flexible and efficient allocation of spectrum resources, ensuring smoother performance in environments with many connected devices.

4.2 Network Connectivity

Multi-Gigabit Ports

The Archer BE670 is equipped with multiple high-speed Ethernet ports to support various wired connections and multi-gigabit internet plans:

- 1 x 10 Gbps WAN/LAN Port
- 1 x 2.5 Gbps WAN/LAN Port
- 3 x 1 Gbps LAN Ports

These ports ensure that your wired devices can take full advantage of high-speed internet and local network transfers.



This image shows the router's rear panel, emphasizing the 10 Gbps WAN/LAN port, a 2.5 Gbps WAN/LAN port, and three 1 Gbps LAN ports, designed to support multi-gigabit internet plans and high-speed wired connections.

Wi-Fi Coverage

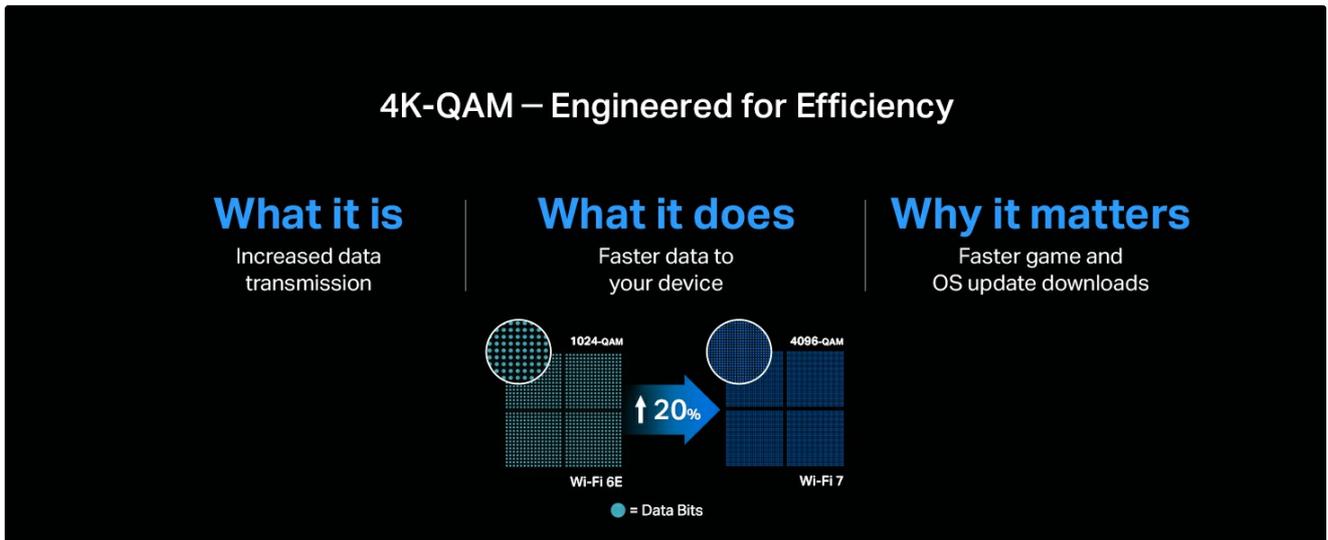
The router features 6 high-gain antennas and beamforming technology to extend Wi-Fi signals and provide coverage up to 3,000 sq. ft. This helps ensure a strong and stable connection for up to 128 devices throughout your home, even in areas that are typically hard to reach.



This image demonstrates how the router's six high-performance antennas, combined with beamforming technology, focus Wi-Fi signals to provide coverage up to 3,000 sq. ft., reaching devices even in hard-to-reach areas of your home.

EasyMesh Compatibility

The Archer BE670 is EasyMesh-compatible, allowing you to expand your network into a seamless mesh system by pairing it with any EasyMesh-compatible range extender. This creates a unified network with a single Wi-Fi name, enabling smart roaming for your devices as you move around your home. *Note: This router is not compatible with mesh Wi-Fi systems like Deco.*



This diagram explains EasyMesh compatibility, allowing the Archer BE670 to form a seamless mesh network with compatible range extenders, providing smart roaming and a single Wi-Fi name throughout your home.

4.3 Security and Privacy

TP-Link HomeShield

TP-Link HomeShield provides comprehensive network protection, robust parental controls, and real-time IoT security. Basic features are included, while advanced features require a paid subscription. For more details, visit tp-link.com/homeshield.

Secure-by-Design Pledge

TP-Link is a signatory of the U.S. Cybersecurity and Infrastructure Security Agency's (CISA) Secure-by-Design pledge. This commitment ensures that the device is designed, built, and maintained with advanced security as a core requirement. Learn more at cisa.gov/securebydesign.

Private IoT Network

The router allows you to create a dedicated wireless network specifically for your IoT (Internet of Things) devices. This isolates smart devices like cameras and smart lights from your main network, enhancing overall network security.



Powered by **HomeShield** | **norton**

Access these features with no additional cost

- ✓ Security Scan
- ✓ IoT Device Identification
- ✓ Guest Network
- ✓ Wi-Fi Access Control

Unlock these premium features with HomeShield Total Security

- ✓ Advanced Network Security
- ✓ Web Protection
- ✓ Intrusion Prevention
- ✓ Real-Time IoT Protection
- ✓ Timely Notifications
- ✓ Comprehensive Reports
- ✓ Antivirus Protection
- ✓ Privacy VPN
- ✓ Password Vault

This image highlights the ability to create a dedicated, private IoT network for smart devices like lights and cameras, enhancing security by isolating them from your main network.

5. MAINTENANCE

To ensure optimal performance and security for your Archer BE670 router, regular maintenance is recommended:

- **Firmware Updates:** Keep your router's firmware updated through the TP-Link Tether app. Firmware updates often include performance improvements, new features, and security patches.
- **Network Monitoring:** Utilize the TP-Link Tether app and HomeShield features to monitor your network's health, connected devices, and security status.
- **Physical Cleaning:** Periodically clean the router's exterior to prevent dust buildup, which can affect cooling and performance. Ensure proper ventilation around the device.

6. TROUBLESHOOTING

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

- **No Internet Connection:**
 - Ensure your modem is connected correctly and powered on.
 - Check the Ethernet cable connection between the modem and the router's WAN port.
 - Restart both your modem and router.
 - Verify your internet service provider (ISP) connection is active.
- **Weak Wi-Fi Signal:**
 - Relocate the router to a central location, away from obstructions and interference sources (e.g., microwaves, cordless phones).
 - Ensure antennas are positioned vertically for optimal signal.
 - Consider using an EasyMesh-compatible range extender for larger homes.
- **Cannot Access Router Settings:**

- Ensure your device is connected to the router's Wi-Fi network or via an Ethernet cable.
- Use the TP-Link Tether app for easy management.
- If using a web browser, try accessing the default gateway IP address (usually 192.168.0.1 or 192.168.1.1).

- **Forgotten Wi-Fi Password or Login Password:**

- You can reset your Wi-Fi password via the Tether app.
- If you forget the router's login password, you may need to perform a factory reset (refer to the Quick Installation Guide for instructions) and reconfigure the router.

For more complex issues or persistent problems, please refer to the Support section for contact information.

7. SPECIFICATIONS

Below are the key technical specifications for the TP-Link Archer BE12000 Tri-Band Wi-Fi 7 Router (Archer BE670):

Feature	Detail
Model Name	Archer BE670 BE12000 Tri-Band Wi-Fi 7 Router
Wireless Type	802.11.be (Wi-Fi 7), 802.11ax (Wi-Fi 6/6E), 802.11ac, 802.11n, 802.11g
Frequency Band Class	Tri-Band (2.4 GHz, 5 GHz, 6 GHz)
WAN/LAN Ports	1 x 10 Gbps, 1 x 2.5 Gbps
LAN Ports	3 x 1 Gbps
USB Port	1 x USB 3.0
Antennas	6 High-Performance Antennas
Coverage	Up to 3,000 sq. ft.
Dimensions (LxWxH)	10.57 x 1.87 x 6.02 inches
Item Weight	1.76 pounds
Operating System	Linux
Color	Black
Special Features	Access Point Mode, Beamforming, Guest Mode, Internet Security, Parental Control
Compatible Devices	Gaming Console, Personal Computer, Security Camera, Smart Television, Smartphone, Tablet

8. WARRANTY INFORMATION

TP-Link products typically come with a limited warranty. For specific warranty terms and conditions applicable to your

Archer BE12000 (Archer BE670) router, please refer to the warranty card included in your product packaging or visit the official TP-Link website for your region. Warranty details can often be found under the support section for your specific product model.

9. SUPPORT

For further assistance, technical support, or to report issues, please contact TP-Link support using the following methods:

- **Phone Support:** 1.866.225.8139
- **Product Support Website:** myproducts.tp-link.com/us
- **Email Support:** support.usa@tp-link.com
- **Chat Support:** Available via the TP-Link website or Tether app (look for the chat icon or QR code).

Before contacting support, it is helpful to have your router's model number (Archer BE670) and serial number ready.