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> TP-Link Tri-Band AXE5400 Wi-Fi 6E Gaming Router Archer GXE75 User Manual

## TP-Link Archer GXE75

# TP-Link Tri-Band AXE5400 Wi-Fi 6E Gaming Router Archer GXE75 User Manual

Model: Archer GXE75

## INTRODUCTION

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The TP-Link Archer GXE75 is a high-performance Tri-Band AXE5400 Wi-Fi 6E Gaming Router designed to deliver ultra-fast speeds and a stable network experience for demanding applications like online gaming and 4K streaming. It features advanced connectivity options, dedicated gaming acceleration, and robust security features to optimize your home network.

## PRODUCT OVERVIEW

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The Archer GXE75 router is engineered for optimal performance and ease of use.

### Front and Top View



This image shows the sleek, black design of the Archer GXE75 router from a front-side angle, highlighting its distinctive shape and the customizable RGB lighting elements.

### **Rear Panel and Ports**

## 6 STREAMS

Higher simultaneous transmissions

## 1024-QAM

More data encoded at one time

## 160 MHZ CHANNELS

Highest channel width on a single stream



Tri-Band Wi-Fi 6E Speeds up to

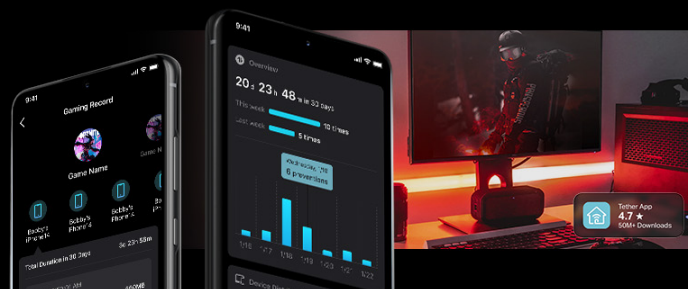
# 5400 Mbps

The rear panel of the Archer GXE75 features essential connectivity options. It includes one 2.5Gbps WAN/LAN port (blue), four 1Gbps LAN ports (orange, one dedicated for gaming), a USB 3.0 port, a power button, and a reset button.

## Internal Components and Cooling

## REAL-TIME BATTLE STATS AT YOUR COMMAND

Whether you prefer the Tether app or TP-Link's web interface, you can see network status, router performance, rgb settings, accelerated games and gears at a glance on an exclusive game dashboard.



The router is equipped with a powerful Quad-Core CPU and four optimally positioned antennas to ensure stable performance and wide Wi-Fi coverage. Its design incorporates enhanced cooling technology with top vents and heatsinks for efficient heat dissipation.

## SETUP GUIDE

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Follow these steps to set up your TP-Link Archer GXE75 router:

- 1. Unpack the Router:** Carefully remove the router, power adapter, RJ45 Ethernet cable, and Quick Install Guide (QIG) from the box.
- 2. Position the Router:** Place the router in a central location in your home, away from obstructions and other electronic devices that may cause interference. Ensure the antennas are oriented for optimal signal.
- 3. Connect the Hardware:**
  - Power off your modem.
  - Connect the modem's Ethernet cable to the 2.5Gbps WAN/LAN port (blue) on the Archer GXE75.
  - Connect the power adapter to the router and plug it into a power outlet.
  - Power on your modem, then power on the router. Wait for the indicator lights to stabilize.
- 4. Connect to the Network:**
  - **Wireless Connection:** Connect your computer or mobile device to the router's default Wi-Fi network (SSID and password are on the label at the bottom of the router).
  - **Wired Connection:** Connect your computer to one of the 1Gbps LAN ports (orange) using an Ethernet cable.
- 5. Configure the Router:**
  - Open a web browser and enter <http://tplinkwifi.net> or <http://192.168.0.1> in the address bar.
  - Follow the on-screen instructions in the Quick Setup Wizard to create a login password, set up your Wi-Fi network name (SSID) and password, and configure other basic settings.
  - Alternatively, download the TP-Link Tether app from your mobile app store and follow the in-app instructions for a guided setup.

## OPERATING THE ROUTER

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### Wi-Fi 6E Tri-Band Connectivity

The Archer GXE75 supports Tri-Band Wi-Fi 6E, operating on 2.4 GHz, 5 GHz, and the new 6 GHz bands. The 6 GHz band provides exclusive, congestion-free channels for Wi-Fi 6E compatible devices, offering ultra-low latency and higher speeds for gaming and VR.

### Gaming Acceleration

This router is optimized for gaming with several acceleration features:

- **Game Applications Boost with QoS:** Prioritizes gaming traffic to reduce lag.
- **Dedicated Gaming Port:** Connect your primary gaming device to the dedicated 1Gbps LAN port (orange, labeled "Gaming Port") for prioritized network access.
- **Game Server Acceleration by GPN:** Optimizes connection to game servers for lower ping and reduced latency.

## KNOW THE BATTLEFIELD

Whether you prefer the Tether app or TP-Link's web interface, you can see network status, router performance, rgb settings, accelerated games and gears at a glance on an exclusive game dashboard.



This diagram visually explains how the Archer GXE75 enhances gaming performance through Quality of Service (QoS) for game applications, a dedicated gaming port for device prioritization, and Game Server Acceleration via GPN (Gaming Private Network).

### EasyMesh Compatibility

Extend your Wi-Fi coverage seamlessly by adding EasyMesh-compatible routers or range extenders. This creates a unified mesh network, eliminating dead zones and ensuring stable connections as you move throughout your home.

## DESIGNED FOR ENHANCED COOLING

### Top Vents

Equipped with a specially designed top vent, this router expels heat for stable performance.

### 2cm Stand

.75" Internal Riser. Adding an additional 3/4 inches in the housing help provide better heat dissipation.



### Heatsink

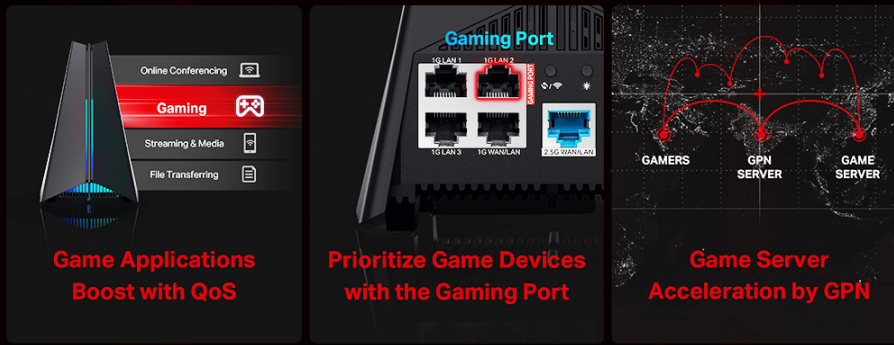
The upper and lower heat sinks are kept at a sufficient distance from the bottom, allowing the router to dissipate heat sufficiently and quickly.

This image illustrates how the Archer GXE75 can be integrated into an EasyMesh system, providing seamless whole-home Wi-Fi coverage and eliminating dead zones.

### HomeShield Security

TP-Link HomeShield provides comprehensive network security, protecting all connected devices from online threats. Features include robust antivirus protection, parental controls, IoT network security, and intrusion prevention.

## MORE PLAYING, LESS WAITING



This graphic emphasizes TP-Link's commitment to cybersecurity, showcasing HomeShield's capabilities such as router security scans, IoT protection, web protection, intrusion prevention, and basic parental controls.

### Customizable RGB Lighting

The Archer GXE75 features customizable RGB lighting, allowing you to personalize the router's appearance to match your gaming setup or mood.



This image displays the router's customizable RGB lighting options, allowing users to select from various dynamic lighting modes and colors to enhance their gaming environment.

### Management via Tether App

Manage your network settings, monitor performance, and control features directly from your smartphone using the intuitive TP-Link Tether app (available for Android and iOS).



## TACTICAL DESIGN

### Quad-Core CPU

Turbocharge your gameplay and maximize performance.

### 4× Optimally Positioned Antennas

Enjoy uninterrupted gaming in every corner of your home with four optimally positioned antennas, proprietary Wi-Fi optimization, and Beamforming technology.

This image shows the user interface of the TP-Link Tether app, demonstrating how users can monitor network status, router performance, and manage settings from their mobile device.

## MAINTENANCE

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- **Firmware Updates:** Regularly check for and install the latest firmware updates via the Tether app or web interface to ensure optimal performance, security, and access to new features.
- **Router Placement:** Ensure the router is placed in an open area, away from large metal objects, thick walls, and other devices that emit radio frequencies (e.g., microwaves, cordless phones) to minimize interference and maximize signal strength.
- **Regular Reboot:** Periodically reboot your router (e.g., once a month) by unplugging it for 10 seconds and plugging it back in. This can help clear its memory and resolve minor network issues.
- **Cleanliness:** Keep the router clean and free from dust buildup, especially around ventilation areas, to prevent overheating.

## TROUBLESHOOTING

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If you encounter issues with your Archer GXE75 router, consider the following:

- **No Internet Access:**
  - Check all cable connections between the router, modem, and wall outlet.
  - Verify that your modem is working correctly.
  - Reboot both your modem and router.
  - Check your ISP settings in the router's web interface or Tether app.
- **Poor Wi-Fi Signal or Speed:**
  - Relocate the router to a more central position.
  - Adjust the antennas for better coverage.
  - Reduce interference from other electronic devices.
  - Ensure your devices support Wi-Fi 6E to utilize the 6 GHz band.
  - Check for firmware updates.
- **Cannot Access Web Management Page:**
  - Ensure your device is connected to the router's network.
  - Verify that <http://tplinkwifi.net> or <http://192.168.0.1> is typed correctly in the browser.

- Try a different web browser.
- Clear your browser's cache and cookies.
- **Forgot Login Password:**
  - Use the password recovery option if configured.
  - Perform a factory reset on the router by pressing and holding the Reset button on the rear panel for about 10 seconds until the LEDs flash. Note: This will erase all your custom settings.

## SPECIFICATIONS

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Feature	Detail
Model Name	Archer GXE75
Wi-Fi Standard	Wi-Fi 6E (802.11ax)
Wi-Fi Speed	AXE5400 (2402 Mbps on 6 GHz, 2402 Mbps on 5 GHz, 574 Mbps on 2.4 GHz)
Frequency Band Class	Tri-Band
Ports	1 x 2.5Gbps WAN/LAN, 1 x 1Gbps WAN/LAN, 3 x 1Gbps LAN, 1 x USB 3.0
CPU	Quad-Core CPU
Security	WPA3, HomeShield (DoS protection, SPI firewall, IP/MAC address filters, domain filter, IP/MAC address binding)
Dimensions (L x W x H)	9.33 x 7.6 x 5.1 inches
Included Components	Wi-Fi 6E Gaming Router Archer GXE75, RJ45 Ethernet Cable, Power Adapter, Reset Tool, Quick Install Guide

## WARRANTY AND SUPPORT

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For warranty information and technical support, please visit the official TP-Link website or contact their customer service. You can also find additional resources and FAQs on their support pages.

TP-Link is committed to cybersecurity and privacy, adhering to industry standards and pledges like the U.S. Cybersecurity and Infrastructure Security Agency's (CISA) Secure-by-Design pledge.