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› TP-Link Smart WiFi 6 Router (Archer AX10) User Manual

TP-Link Archer AX10

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Model: Archer AX10 | Brand: TP-Link

1. PRODUCT OVERVIEW

The TP-Link Archer AX10 is a Wi-Fi 6 router designed to deliver a significant boost in speed and total capacity for your home network. Leveraging the latest Wi-Fi 6 technology, including OFDMA and 1024-QAM, it ensures faster loading times and more stable connections for multiple devices. Experience Gigabit-level speeds comparable to wired connections on your Wi-Fi 6 compatible devices. The router efficiently handles numerous devices simultaneously, reducing lag for activities like streaming, gaming, and video calls. Equipped with Beamforming technology and four high-gain antennas, it provides strong and reliable Wi-Fi coverage throughout your home. Four Gigabit Ethernet LAN ports allow for high-speed wired connections for devices such as PCs, smart TVs, and game consoles.



Image: Front view of the TP-Link Archer AX10 Smart WiFi 6 Router with its four antennas and indicator lights.

2. WHAT'S IN THE BOX

- Wi-Fi Router Archer AX10
- Power Adapter
- RJ45 Ethernet Cable
- Quick Installation Guide

3. INITIAL SETUP

Follow these general steps to set up your TP-Link Archer AX10 router. For detailed instructions, refer to the Quick Installation Guide included in your package.

1. **Power On:** Connect the power adapter to the router and plug it into a power outlet.
2. **Connect to Modem:** Connect one end of the provided Ethernet cable to the WAN port (usually yellow) on your Archer AX10 router and the other end to your modem's Ethernet port.
3. **Connect Devices:** You can connect your computer or other devices to the router via Wi-Fi or by using an Ethernet cable to one of the LAN ports (usually black).
4. **Initial Configuration:** Download the TP-Link Tether app on your smartphone or tablet, or open a web browser and navigate to the default setup address (e.g., tplinkwifi.net). Follow the on-screen instructions to complete the setup, including creating a Wi-Fi network name (SSID) and password.

Video: An official TP-Link guide demonstrating the setup process for the TP-Link WiFi 6 Router.

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VOLUME

Image: Illustration of the Archer AX10 connecting to various devices like smartphones, tablets, and smart home devices, highlighting its multi-device capability.

Wi-Fi 6 Speeds up to 1.5 Gbps

Experience up to 40% faster speeds compared to previous generation Wi-Fi 5.²



Image: A graphic illustrating the speed advantage of Wi-Fi 6 (AX) over Wi-Fi 5 (AC), showing Wi-Fi 6 speeds up to 1.5 Gbps.

4. OPERATING YOUR ROUTER

Wi-Fi 6 Technology

The Archer AX10 utilizes Wi-Fi 6 (802.11ax) to provide enhanced network efficiency and speed. Features like OFDMA (Orthogonal Frequency Division Multiple Access) allow the router to communicate with multiple devices simultaneously on a single channel, significantly reducing latency and improving overall network performance, especially in device-dense environments. 1024-QAM (Quadrature Amplitude Modulation) further boosts data rates for compatible devices.

Dual-Band Connectivity

This router operates on two distinct Wi-Fi bands: 2.4 GHz and 5 GHz. The 2.4 GHz band offers wider coverage and better

penetration through walls, ideal for older devices and general internet browsing. The 5 GHz band provides faster speeds and lower latency, best suited for high-bandwidth activities like 4K streaming and online gaming. You can manage these bands separately or use the Smart Connect feature to allow the router to automatically assign devices to the best available band.

Beamforming and Antennas

Equipped with four high-gain external antennas and Beamforming technology, the Archer AX10 focuses Wi-Fi signals directly towards your connected devices. This intelligent signal targeting enhances Wi-Fi coverage and stability, ensuring a strong and reliable connection even at greater distances from the router.

Beamforming and 4 Antennas for Maximum Range and Coverage



Image: A graphic depicting Beamforming technology and the four antennas providing maximum range and coverage for various devices including IoT, 4K streaming, AR, and gaming.

Gigabit Ethernet Ports

The router includes four Gigabit LAN ports, allowing you to connect wired devices such as desktop computers, smart TVs, and gaming consoles directly to the network. These ports provide stable and high-speed connections, ideal for activities that require maximum bandwidth and minimal latency.

Parental Controls and Guest Network

The Archer AX10 supports parental control features, allowing you to manage and monitor internet access for specific devices or users. You can also set up a separate guest network to provide internet access to visitors without sharing your main network password, enhancing security and privacy.

5. MAINTENANCE AND BEST PRACTICES

Firmware Updates

Regularly check for and install firmware updates for your router. Firmware updates often include performance improvements, security patches, and new features. You can typically update the firmware through the TP-Link Tether app or by accessing the router's web management interface.

Regular Reboots

Periodically rebooting your router can help maintain optimal performance and resolve minor network issues. A simple power cycle (unplugging the power adapter for 10-15 seconds and then plugging it back in) can often refresh the network connection and improve stability.

6. TROUBLESHOOTING COMMON ISSUES

If you encounter issues with your Archer AX10 router, consider the following troubleshooting steps:

- **No Internet Connection:**
 - Check that all cables are securely connected to the router and modem.
 - Ensure your modem is working correctly.
 - Reboot both your modem and router.
- **Weak Wi-Fi Signal or Dead Zones:**
 - Relocate the router to a central location in your home, away from obstructions and interference sources (e.g., microwaves, cordless phones).
 - Ensure the antennas are positioned optimally.
 - Consider adding a TP-Link OneMesh compatible Wi-Fi extender for broader coverage.
- **Slow Speeds:**
 - Verify your internet service provider's speed.
 - Ensure your devices are connected to the appropriate Wi-Fi band (5 GHz for faster speeds).
 - Check for excessive network traffic or too many devices connected simultaneously.
 - Update your router's firmware.

For more detailed troubleshooting and support, please refer to the official User Guide or visit the TP-Link support website.

[Download Official User Manual \(PDF\)](#)

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	Archer AX10

Feature	Specification
Wireless Type	802.11n, 802.11ax, 802.11b, 802.11g, 802.11ac
Frequency Band Class	Dual-Band (2.4 GHz & 5 GHz)
Processor	Dual-Core 900MHz Processor
Ethernet Ports	4 Gigabit LAN Ports, 1 Gigabit WAN Port
Dimensions (LxWxH)	10.24 x 4.96 x 1.3 inches
Item Weight	13.4 ounces
Operating System	Linux
Special Features	Alexa Compatible, Beamforming, Parental Control, Guest Mode, WPS, MU-MIMO, OFDMA, Access Point Mode, QoS, OneMesh Compatible

8. WARRANTY AND SUPPORT

TP-Link products typically come with a limited warranty. Please refer to the warranty information provided with your product or visit the official TP-Link website for specific warranty terms and conditions applicable to your region. For technical support, FAQs, and additional resources, please visit the official TP-Link support page. You can also find the latest drivers and firmware updates there.

[Visit the Official TP-Link Store and Support Page](#)
[Download Official User Manual \(PDF\)](#)

