



AX3000 Wi-Fi 6 Air Router

Ultra-Thin Design, Flexible Installation



Archer Air R5

Ultra-thin Design | EasyMesh-Compatible† | Smart Antennas | HomeShield

Highlights

One-Touch Mesh Networking via WPS Button

-  One Wi-Fi Name
-  Smart Roaming
-  Unified Management
-  EasyMesh-Compatible[†]



Mesh networking creates smooth, fast, stable roaming. Archer Air R5 can build an EasyMesh network with extenders that use EasyMesh technology. It also works with other TP-Link OneMesh products to create a TP-Link OneMesh network. Eliminate Wi-Fi dead zones, expand your network, and fill your entire home with high-speed Wi-Fi.

Wi-Fi 6^E Faster. Broader. Unstoppable.

Reaches incredible speeds up to 3 Gbps (2402 Mbps on 5 GHz band and 574 Mbps on 2.4 GHz band) for faster streaming and gaming like you have never experienced before.[†]



Super Fast Wi-Fi

Enjoy full access to 8K streaming and high-speed downloading with HE160 on the 5 GHz band providing doubled bandwidth.



Connect Numerous Devices

Allow more applications to run at the same time. OFDMA transmits data to multiple devices simultaneously across 4 streams, drastically reducing latency.



Smart Power Saving

Conserve the power of your mobile devices by scheduling the connection time of battery-powered devices with Target Wake Time.



Backwards Compatible

Take your Wi-Fi to the next level while being backwards compatible with 802.11a/b/g/n/ac Wi-Fi standards.

Highlights

TP-Link HomeShield

TP-Link's premium security services keep your home network safe with cutting-edge features for network and IoT protection.³



Network Protection

Detect cyber threats to keep your privacy and connected devices well protected.



Quality of Service (QoS)

Prioritize your bandwidth needs to get a better networking experience.



Parental Controls

Manage online time and block inappropriate content to keep families healthy online.



Comprehensive Reports

Gain full statistics and insights to help you know your home network better.

Smart Antennas Boosts Wi-Fi Coverage

Built-in smart antennas use intelligent algorithms to auto-detect your devices and concentrate strong signals towards them to provide the optimal performance.



Features



Speed

- **Super-Fast Wi-Fi** – 3 Gbps Wi-Fi for faster browsing, streaming, and downloading—all at the same time.
- **Connect More, Stay Fast** – The new Wi-Fi 6 standard reduces congestion and quadruples your average throughput.



Wi-Fi Range

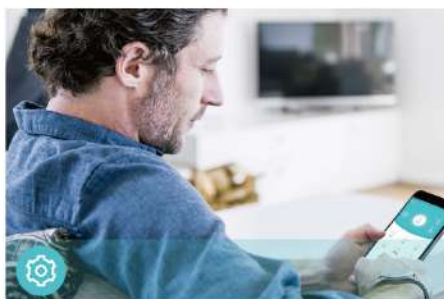
- **Ultimate Range Wi-Fi** – Internal antennas deliver a Wi-Fi signal to every corner of your home, making all of your connections more efficient and stable.
- **Beamforming Technology** – Concentrates Wi-Fi signals towards individual devices to ensure stronger connections.
- **Seamless EasyMesh network** – Transfer between signals without any drops or lag and manage your whole network using a centralized panel.



Reliability

- **Secure VPN Access** – Connects to a private network with a safe and secure OpenVPN and PPTP VPN connection.
- **Airtime Fairness** – Balances bandwidth of connected devices to improve overall throughput and efficiency.
- **Smart Connect** – Intelligently switches each device's connection to the optimum available Wi-Fi band.

Features



Ease of Use

- **Intuitive Web UI** – Ensures quick and simple installation without hassle
- **WPS (Wi-Fi Protected Setup)** – Help you to quickly and securely connect your devices to the router's network with a tap
- **Hassle-free Management with Tether App** – Network management is made easy with the TP-Link Tether app, available on any Android and iOS device

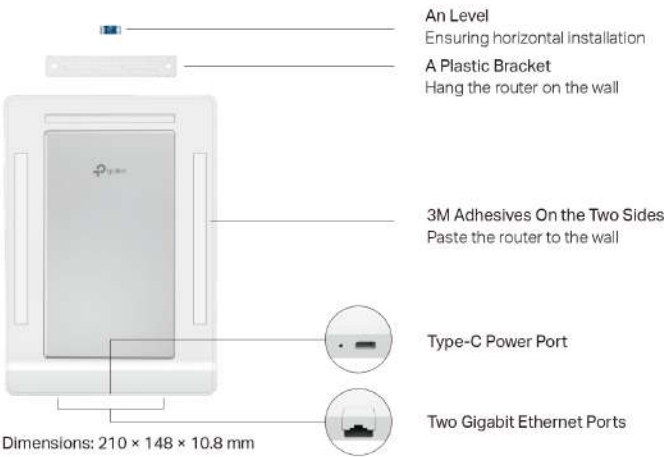
Security

- **HomeShield** – TP-Link's premium security services keep your home network safe with cutting-edge features for network and IoT protection
- **Guest Network** – Provides separate access for guests to secure the home network
- **Access Control** – Establishes a whitelist or blacklist to allow or restrict certain devices to access the internet
- **Encryptions for Secure Network** – WPA/WPA2-Personal, WPA2/WPA3-Personal, WPA/WPA2-Enterprise encryptions provide active protection against security threats

Specifications

Hardware

- Ethernet Ports:
1× Gigabit WAN Port + 1 × Gigabit LAN Port
- LED & Button: Status LED/WPS button (on front panel)



Wireless

- **Wireless:** 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz), compatible with 11a/b/g/n/ac Wi-Fi standards
- **Frequency:** 2.4 GHz and 5 GHz
- **Reception Sensitivity:**
2.4GHz:
11g 6Mbps:-96dBm, 11g 54Mbps:-78dBm
11n HT20 MCS7:-76dBm, 11n HT40 MCS7:-72dBm
11ax HE20 MCS0:-95dBm, 11ax HE20 MCS11:-65dBm
11ax HE40 MCS0:-93dBm, 11ax HE40 MCS11:-62dBm
5GHz:
11a 6Mbps:-97dBm, 11a 54Mbps:-78dBm
11ac HT20 MCS8:-74dBm, 11ac HT40 MCS9:-69dBm, 11ac HT80 MCS9:-65dBm
11ax HE20 MCS0:-97dBm, 11ax HE20 MCS11:-66dBm
11ax HE40 MCS0:-94dBm, 11ax HE40 MCS11:-63dBm
11ax HE80 MCS0:-91dBm, 11ax HE80 MCS11:-60dBm
11ax HE160 MCS0:-88dBm, 11ax HE160 MCS11:-58dBm
- **Wireless Function:** Enable/Disable Wireless Radio, WMM, Wireless Statistics
- **Wireless Security:** WPA/WPA2-Personal, WPA2/WPA3-Personal, WPA/WPA2-Enterprise

Specifications

Software

- **WAN Type:** Dynamic IP/Static IP/PPPoE/PPTP/L2TP
- **Management:** Access Control, Local Management, Remote Management
- **DHCP:** Server, DHCP Client List, Address Reservation
- **NAT Forwarding:** Port Forwarding, Port Triggering, UPnP, DMZ
- **Dynamic DNS:** DynDns, NO-IP, TP-Link
- **Network Access Management:** Access Control, Parental Controls, Local Management Control
- **Firewall Security:** SPI Firewall, IP and MAC Address Binding
- **Protocols:** IPv4, IPv6
- **Guest Network:** 2.4 GHz Guest Network, 5 GHz Guest Network
- **VPN Server:** OpenVPN, PPTP VPN

Others

- **Certification:**
CE, RoHS
- **System Requirements:**
Internet Explorer 11+, Firefox 12.0+, Chrome 20.0+, Safari 4.0+, or other JavaScript-enabled browser
Cable or DSL Modem (if needed)
Subscription with an internet service provider (for internet access)
- **Environment:**
Operating Temperature: 0°C~40°C (32°F~104°F)
Operating Humidity: 10%~90% non-condensing
- **Package Contents**
Wireless Router Archer Air R5
Quick Installation Guide
Power Adapter
Plastic Bracket
Gigabit Network cable
Installation Accessories



For more information, please visit
<https://www.tp-link.com/home-networking/wifi-router/archer-air-r5/>
or scan the QR code left

¹Use of 802.11ax (Wi-Fi 6) and its features including OFDMA, HE160, and TWT requires clients to also support corresponding features. The 160 MHz bandwidth may be unavailable in the 5 GHz band in some regions/countries due to regulatory restrictions. Actual power reduction by Target Wake Time may vary as a result of network conditions, client limitations, and environmental factors.

²TP-Link EasyMesh-compatible products can network with other devices that use EasyMesh. Failed connections may be due to firmware conflicts of different vendors. The EasyMesh-Compatible function is still being developed on some models and will be supported in subsequent software updates.

³HomeShield includes the Free Basic Plan. Fees apply for the Pro Plan. Visit <https://www.tp-link.com/homeshield> for more information.

⁴Use of WPA3 requires clients to support WPA3.

⁵8mm refers to the thickness of the majority of the device. Some portions may exceed this size out of necessity.

⁶Pictures are for reference only. If there are any inconsistencies between the product image and the actual product, the actual product shall prevail.

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