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## ASUS RT-AX3000

# ASUS RT-AX58U Dual Band WIFI Router (RT-AX3000) User Manual

Model: RT-AX3000 | Brand: ASUS

## PRODUCT OVERVIEW

The ASUS RT-AX58U (RT-AX3000) is a dual-band Wi-Fi router designed to provide high-speed internet connectivity and robust network security for home environments. It incorporates the latest Wi-Fi 6 (802.11ax) technology, offering enhanced performance and efficiency for multiple connected devices.

## Key Features

- **Next-Gen WiFi Standard:** Future-proof your home network with Wi-Fi 6 technology, providing up to 2.7x faster speed than previous Wi-Fi generations, featuring OFDMA and MU-MIMO technology.
- **Ultra-Fast Wi-Fi:** Supports 160MHz bandwidth and 1024-QAM, boasting a total network speed of 3000 Mbps (575Mbps on the 2.4GHz band, and 2402GHz on the 5GHz band).
- **Powerful Mesh System:** AiMesh technology allows you to establish an even stronger mesh Wi-Fi system with other ASUS AiMesh compatible routers, ensuring stable and seamless whole-home coverage.
- **Commercial-Grade Network Security:** AiProtection Pro protects all connected devices on your home network, and advanced parental controls allow you to manage internet usage.
- **Mobile App Support:** Control and customize every feature at your fingertips using the ASUS Router App for both iOS and Android devices.
- **Input Voltage:** 100 - 240V.

## WHAT'S IN THE BOX

Upon unboxing your ASUS RT-AX58U router, you should find the following items:

- RT-AX3000 router
- User guide

## SETUP GUIDE

### Initial Setup

1. **Power On:** Connect the power adapter to your RT-AX58U router and plug it into a power outlet. Wait for the power LED indicator to become solid.
2. **Connect to Modem:** Connect your internet modem's Ethernet cable to the WAN port (usually blue) on the back of the RT-AX58U router.
3. **Connect Device:** Connect your computer or mobile device to the router either via Wi-Fi (using the default SSID and password found on the router's label) or via an Ethernet cable to one of the LAN ports (yellow).
4. **Access Web Interface:** Open a web browser and navigate to [router.asus.com](http://router.asus.com). Follow the on-screen instructions to complete the initial setup, including setting up your Wi-Fi name and password.
5. **Update Firmware:** It is crucial to ensure your router's firmware is up to date for optimal performance and security. Access the router's administration page ([router.asus.com](http://router.asus.com)), navigate to the Firmware Upgrade section, and check for updates. Install any available updates.



Figure 1: Front view of the ASUS RT-AX58U router.



Figure 2: Back view of the ASUS RT-AX58U router showing the WAN and LAN ports.

## AiMesh Setup

ASUS AiMesh allows you to combine multiple ASUS routers into a single, seamless whole-home Wi-Fi system. This provides extended coverage and eliminates Wi-Fi dead zones.

1. **Prepare Routers:** Ensure both your main AiMesh router (RT-AX58U) and the AiMesh node (child router) are updated to the latest firmware. Place them near each other during the initial setup.
2. **Reset AiMesh Node:** Perform a factory reset on the AiMesh node (child router). This typically involves pressing and holding the reset button for about 5-10 seconds until the LED lights flash. The node should only be connected to power during this step.
3. **Add Node via Main Router:** Log in to the web interface of your main RT-AX58U router ([router.asus.com](http://router.asus.com)). Navigate to the "AiMesh" section in the left-hand menu.
4. **Search for Node:** Click on "Add AiMesh Node" and the main router will begin searching for available nodes. Once your reset node appears, select it and click "Connect".
5. **Synchronization:** The routers will now synchronize. This process may take several minutes. The connection status will change from orange to green once successfully established.
6. **Optimal Placement:** After successful setup, strategically place your AiMesh node to maximize Wi-Fi coverage. For multi-story homes, place nodes on different levels. For single-level homes, place the node in the middle of existing dead zones to ensure a "Great" connection quality between the main router and the node. ASUS recommends a maximum of 5 Wi-Fi AiMesh nodes, including the main router.

*Note: An official product video demonstrating AiMesh setup would typically be embedded here if available from the seller. The provided video is from an influencer and does not meet the criteria for embedding.*

## OPERATING YOUR ROUTER

### Network Configuration

From the router's web interface, you can manage various network settings:

- **Wireless Settings:** Change your Wi-Fi network name (SSID) and password for both 2.4GHz and 5GHz bands.
- **Guest Network:** Set up separate guest networks with isolated access for visitors.
- **LAN/WAN Settings:** Configure IP addresses, DHCP server settings, and internet connection types.

### Advanced Features

- **AiProtection Pro:** Activate and configure network security features to protect against malicious sites, infected devices, and vulnerabilities.
- **Parental Controls:** Manage internet access schedules and content filtering for connected devices.
- **Adaptive QoS:** Prioritize network traffic for specific applications or devices to ensure smooth performance for gaming, streaming, or work.
- **USB Application:** Utilize the USB 3.0 port for network storage (AiDisk), printer sharing, or 4G/5G mobile broadband tethering.

## MAINTENANCE AND CARE

- **Regular Firmware Updates:** Periodically check for and install the latest firmware updates from the ASUS support website or through the router's web interface. Firmware updates often include security patches and performance improvements.
- **Periodic Reboots:** Rebooting your router every few weeks can help clear its memory and resolve minor performance issues.
- **Physical Cleaning:** Keep the router in a well-ventilated area and periodically clean dust from its vents to prevent overheating.
- **Secure Placement:** Ensure the router is placed on a stable surface, away from direct sunlight, heat sources, and excessive moisture.

## TROUBLESHOOTING

### Common Issues and Solutions

- **No Internet Connection:**
  - Check modem and router connections.
  - Reboot both the modem and the router.
  - Verify WAN status in the router's web interface.

- **Weak Wi-Fi Signal:**

- Relocate the router to a central location, away from obstructions.
- Adjust antenna orientation.
- Consider adding an AiMesh node for extended coverage.

- **Slow Internet Speed:**

- Check your internet service provider's speed.
- Ensure firmware is updated.
- Use Adaptive QoS to prioritize important traffic.

## Factory Reset

If you encounter persistent issues or wish to clear all settings, you can perform a factory reset:

1. With the router powered on, locate the "Reset" button (often a small pinhole) on the back panel.
2. Use a paperclip or a thin object to press and hold the "Reset" button for approximately 5-10 seconds until the power LED starts blinking.
3. Release the button. The router will reboot with factory default settings.

## TECHNICAL SPECIFICATIONS

Feature	Value
Product Dimensions	8.82 x 6.06 x 6.3 inches
Item Weight	1.32 pounds
Item Model Number	RT-AX3000
Brand	ASUS
Model Name	RT-AX3000
Special Feature	WPS, Wireless Communication Standard 802.11n, 802.11b, 802.11ax, 802.11a, 802.11ac
Frequency Band Class	Dual-Band
Wireless Communication Standard	802.11ax
Compatible Devices	Personal Computer
Frequency	5 GHz
Recommended Uses For Product	Security
Connectivity Technology	Wi-Fi

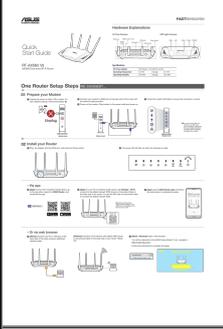
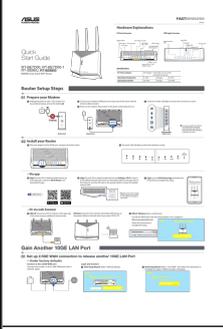
## WARRANTY AND SUPPORT

This ASUS RT-AX58U (RT-AX3000) router is sold as a renewed product. Please refer to the specific warranty terms provided by the seller or Amazon Renewed at the time of purchase. Typically, renewed products come with a limited warranty period.

For technical support, driver downloads, and further assistance, please visit the official ASUS support website:

[ASUS Official Support](#)

## Related Documents - RT-AX3000

	<p><a href="#">ASUS RT-AX58U V2 AX3000 Dual-band Wi-Fi Router Quick Start Guide</a></p> <p>This quick start guide provides instructions for setting up the ASUS RT-AX58U V2 AX3000 Dual-band Wi-Fi Router. It covers hardware explanations, step-by-step setup procedures via mobile app or web browser, and essential regulatory and safety information.</p>
	<p><a href="#">ASUS RT-AX58U AX3000 Dual Band Wi-Fi Router Quick Start Guide</a></p> <p>This quick start guide provides essential setup instructions, package contents, and specifications for the ASUS RT-AX58U AX3000 Dual Band Wi-Fi Router, helping users efficiently establish optimal wireless performance.</p>
	<p><a href="#">ASUS RT-AX58U AX3000 Dual Band Wi-Fi 6 Router: Quick Start Guide</a></p> <p>This Quick Start Guide provides essential instructions for setting up and configuring the ASUS RT-AX58U AX3000 Dual Band Wi-Fi 6 Router. Learn how to connect your modem, position your router, and establish wired or wireless network connections with ease.</p>
	<p><a href="#">ASUS RT-BE7D00/RT-BE86U WiFi Router Quick Start Guide</a></p> <p>Quick start guide for ASUS RT-BE7D00, RT-BE7D00-1, RT-BE86U, and RT-BE6800 dual-band WiFi routers, covering setup, hardware explanations, and safety information.</p>
	<p><a href="#">ASUS Router WPA3 Authentication: Compatibility Guide and FAQ</a></p> <p>Learn about WPA3 security protocol for ASUS routers, including compatibility issues with AiMesh systems and end devices. Find out how to check device support and download firmware from ASUS.</p>



## [ASUS RT-AX57 AX3000 Dual Band WiFi Router Quick Setup Guide](#)

Concise guide for setting up the ASUS RT-AX57 AX3000 Dual Band WiFi Router, including modem reboot, router preparation, and app installation.