

ASUS RT-BE88U

ASUS RT-BE88U Dual-Band WiFi 7 AiMesh Extendable Performance Router User Manual

1. INTRODUCTION AND OVERVIEW

The ASUS RT-BE88U is a high-performance dual-band router featuring next-generation WiFi 7 technology. It is designed to deliver exceptional wireless speeds of up to 7200 Mbps and a combined wired capacity of 34 Gigabit. This router integrates advanced networking capabilities suitable for demanding home and small office environments.



Front view of the ASUS RT-BE88U router with four antennas extended.

Product Video Overview

Official product overview video for the ASUS RT-BE88U WiFi 7 Performance Router, showcasing its key features, connectivity options, and design.

2. SETUP

2.1 What's in the Box

- ASUS RT-BE88U Gaming Router
- RJ-45 Ethernet Cable
- Power Adapter
- Quick Start Guide
- Warranty Card

2.2 Initial Connection

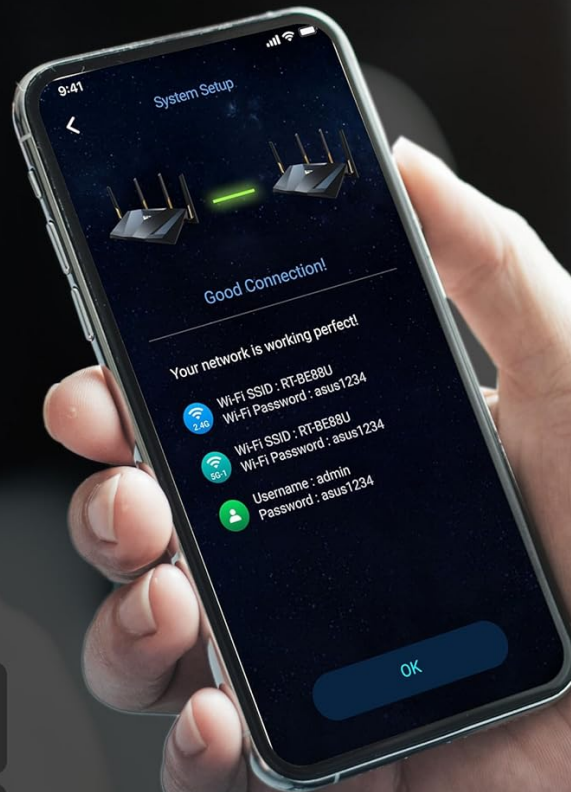
To set up your router, connect the power adapter to the router and plug it into a power outlet. Connect your modem's Ethernet cable to the router's WAN port. For wired devices, connect them to any of the available LAN ports using an RJ-45 cable. Follow the instructions in the Quick Start Guide for initial configuration via the ASUS Router app or web interface.



Rear view of the ASUS RT-BE88U router, showing the various ports and power button.

3-Step Easy Setup

Highly-rated ASUS Router App,
Advanced Network Management Made Easy



GET IT ON
Google Play



Download on the
App Store

Easy 3-step setup using the ASUS Router app for network management.

3. OPERATING INSTRUCTIONS

3.1 Blazing-Fast WiFi 7 Connectivity

Experience next-level wireless performance with WiFi 7 technology, boosting throughput up to 7200 Mbps. This is achieved through Multi-Link Operation (MLO) and 4096-QAM, which optimize data transmission across dual bands.

Leap Forward with WiFi 7

Up to 7200 Mbps, Dual-band Multi-Link,
Up to 1.2x Faster with 4K-QAM



Multi-link Operation (MLO)



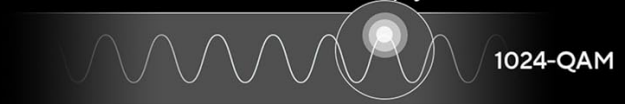
Without Multi-link Operation (MLO)



12 bits/symbol



10 bits/symbol



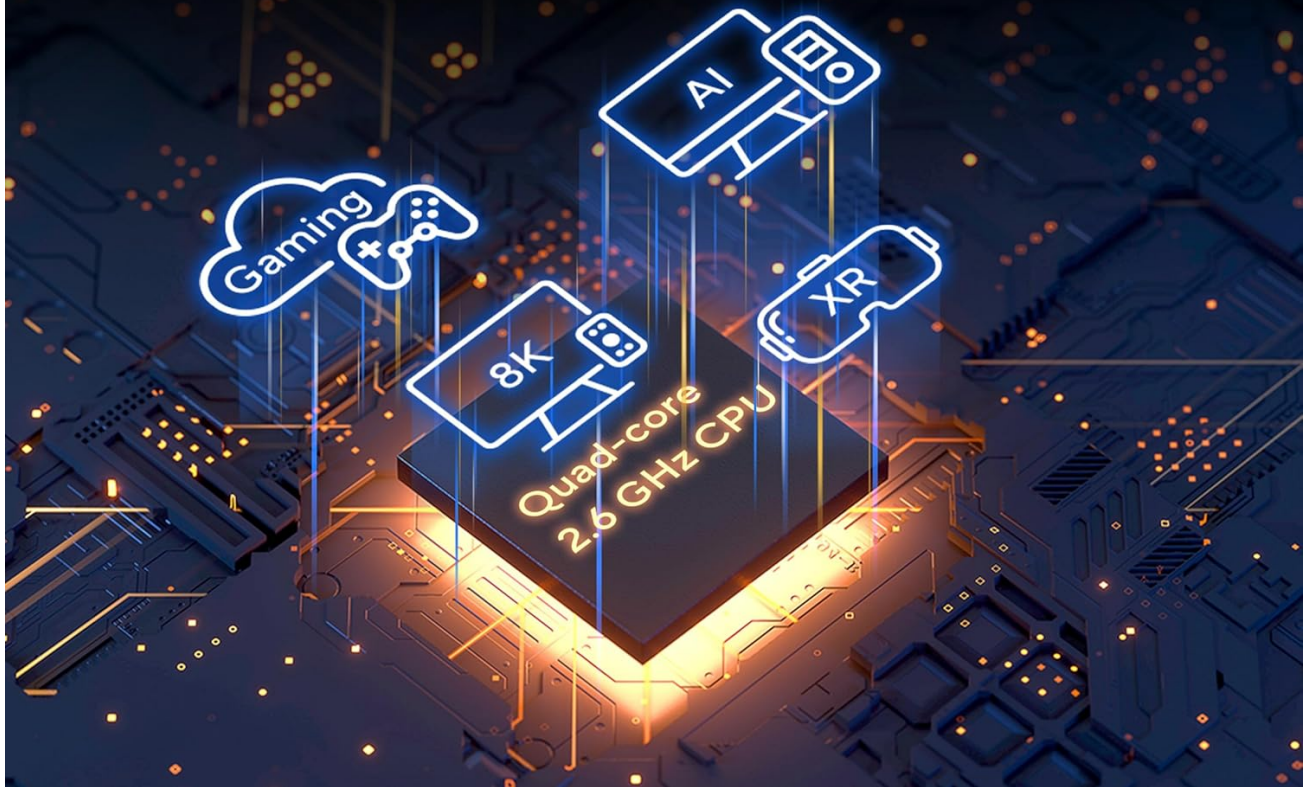
WiFi 7 speeds with 5 GHz and 2.4 GHz bands, enhanced by 4K-QAM.

Robust Hardware Powering WiFi 7

Quad-core 2.6 GHz CPU,
Extreme Cooling for Max Reliability

Increased up to
30% Processing Power

Up to
34% Cooler



Multi-Link Operation (MLO) combines frequency bands for higher throughput.

3.2 Extreme Wired Performance

The RT-BE88U offers robust wired network capacity up to 34 Gigabit. It features one cutting-edge 10 Gigabit SFP+ port, one standard 10 Gigabit WAN/LAN port, four 2.5 Gigabit LAN ports, and four 1 Gigabit LAN ports. This extensive port selection ensures seamless hardwiring for all your devices, from high-speed servers to gaming consoles.

Extreme Wired Performance

Up to 34G Capacity, Dual 10G WAN/LAN with SFP+,
4G LTE & 5G Mobile Tethering



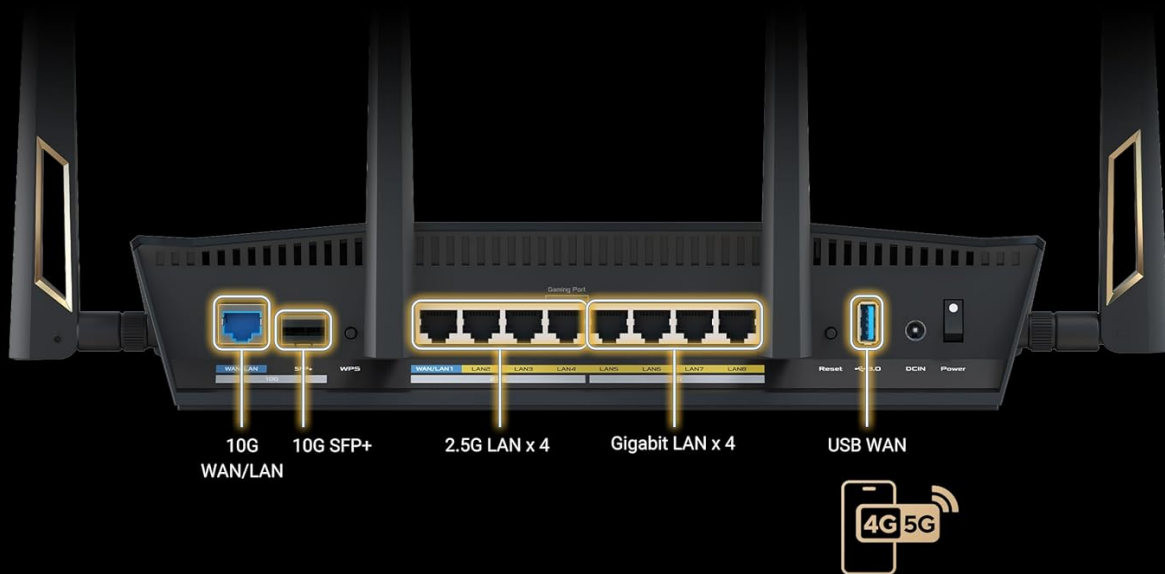
10G high speed
internet



10G LAN transfer



10G NAS



Rear panel showing 10G SFP+, 10G WAN/LAN, 2.5G LAN, 1G LAN, and USB ports.

3.3 Robust Hardware

Powered by a quad-core 2.6GHz 64-bit CPU, the RT-BE88U is designed to handle demanding WiFi 7 and 10G network applications with ease. Its robust design ensures stable and reliable performance.

Effortless Network Segmentation with Guest Network Pro

Up to five SSIDs, Easy IoT device setup,
Instant VPN connections, VLAN included



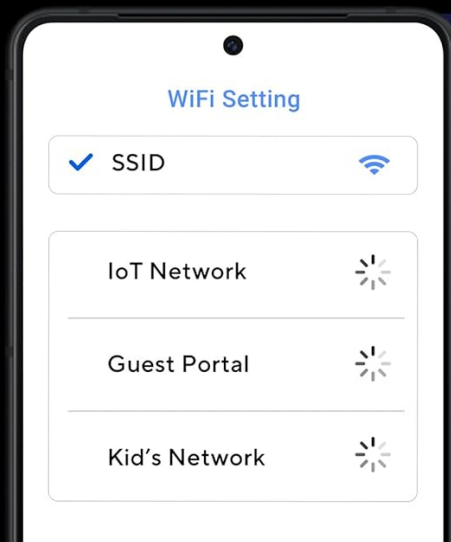
IoT Network



VPN Network



Kid's Network



Quad-core 2.6 GHz CPU for enhanced processing power and reliability.

3.4 Network Security and Parental Controls

The router includes commercial-grade AiProtection Pro powered by Trend Micro, offering comprehensive network security. Features include one-tap security scanning, extensive VPN support (including site-to-site VPN), and advanced parental controls. You can establish up to five SSIDs with Guest Network Pro for easy IoT device setup and management.

Subscription-Free Security, VPNs & Parental Control

Commercial-Grade AiProtection Pro, Site-to-Site VPN



ASUS Router app interface for managing security, VPNs, and parental controls.

3.5 AiMesh Extendable Coverage

The RT-BE88U supports ASUS AiMesh, allowing it to integrate with other AiMesh-compatible ASUS routers to create a seamless whole-home mesh WiFi system. This extends coverage and ensures stable connectivity throughout your property.

Feature-rich AiMesh Network

Scalable with Any ASUS Extendable Router,
Dedicated Wireless Backhaul

Up to (1pk) **3000** sq. ft.
Extendable Coverage



AiMesh network extending WiFi coverage across a home.

4. MAINTENANCE

4.1 Optimal Router Placement

For optimal WiFi signal strength, place the router in a central location within your home, away from obstructions and interference sources. Avoid placing it near large metal objects, microwave ovens, refrigerators, or thick walls.

4.2 Adjusting Antennas

Adjust the direction of the router's antennas to maximize signal coverage. For best results, try different angles, such as setting side antennas at 45 degrees and the middle antenna at 90 degrees, or refer to the user manual for specific recommendations for your model.

4.3 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 ASUS Router app or the router's web interface. Remember to reset the router after a firmware update.

4.4 Device Driver/Firmware Updates

Ensure that the wireless device drivers or firmware for your connected devices (laptops, smartphones, USB WiFi adapters, consoles) are up to date. Outdated drivers can sometimes cause connectivity issues or limit performance.

Instructional Video: How to Improve WiFi Signal

An instructional video from ASUS demonstrating steps to improve WiFi signal strength, including optimal router placement, adjusting antennas, updating firmware, and changing wireless channels.

5. TROUBLESHOOTING

If you experience frequent disconnections or slow WiFi speeds, consider the following troubleshooting steps:

- **Check Transmission Distance:** Ensure your devices are within an optimal range of the router. Shorten the distance if possible.
- **Minimize Interference:** Remove any potential sources of interference (e.g., microwaves, cordless phones, large metal objects) near the router.
- **Adjust Antenna Direction:** Experiment with different antenna orientations to find the best signal coverage.
- **Update Firmware:** Verify that your router's firmware is the latest version.
- **Change Wireless Control Channel:** If your router is set to 'Auto' for the control channel, try manually selecting a different channel with less interference. This can be done via the router's web interface or app.
- **Update Device Drivers/Firmware:** Ensure all connected wireless devices have their latest drivers or firmware installed.

6. SPECIFICATIONS

Feature	Detail
Model Name	RT-BE88U
Product Dimensions	7.4 x 2.4 x 11.8 inches
Item Weight	2.5 pounds
Frequency Band Class	Dual-Band
Wireless Communication Standard	802.11.be (WiFi 7), 802.11ac, 802.11ax
WAN/LAN Ports	1x 10G WAN/LAN, 1x 10G SFP+, 4x 2.5G LAN, 4x 1G LAN
Special Features	AiMesh Router, Dedicated Gaming Port, Robust Hardware Powering WiFi 7, Security Protection, Unparalleled 34G Wired Performance
Compatible Devices	Laptop, Personal Computer, Smartphone, Tablet

7. WARRANTY AND SUPPORT

7.1 Product Warranty

The ASUS RT-BE88U router typically includes a manufacturer's warranty. Please refer to the Warranty Card

included in your product packaging for specific terms, conditions, and duration of the warranty.

7.2 Extended Protection Plans

Optional extended protection plans are available for purchase to provide additional coverage beyond the standard manufacturer's warranty:


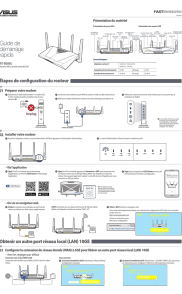

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect: One plan covers all eligible past and future purchases (monthly billing option available)

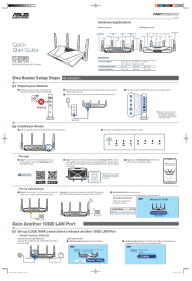


For details on these plans, please consult the retailer or ASUS official support channels.

7.3 Technical Support

For technical assistance, troubleshooting, or further inquiries, please visit the official ASUS support website or contact ASUS customer service. Contact information can be found in your Quick Start Guide or on the ASUS website.

Related Documents - RT-BE88U

	<p>Manuale Utente ASUS RT-BE88U Router Wireless BE7200 Dual-band</p> <p>Guida completa per l'utente del router wireless ASUS RT-BE88U, che copre l'installazione, la configurazione, le funzionalità e la risoluzione dei problemi. Scopri come ottimizzare le prestazioni della tua rete domestica con questo router dual-band ad alte prestazioni.</p>
	<p>ASUS RT-BE88U WiFi Router Quick Start Guide</p> <p>This guide provides instructions for setting up the ASUS RT-BE88U BE7200 Dual-Band WiFi Router, including hardware overview, initial configuration via app or web browser, and important safety and compliance information.</p>
	<p>ASUS RT-BE88U Dual Band Wi-Fi Router Quick Setup Guide</p> <p>This guide provides a quick setup for the ASUS RT-BE88U Dual Band Wi-Fi Router, covering port identification, power connection, and initial configuration using the ASUS Router app.</p>

	<p>ASUS RT-BE88U/RT-BE7200 Wi-Fi Router Quick Start Guide</p> <p>Get started quickly with your ASUS RT-BE88U/RT-BE7200 BE7200 Dual Band Wi-Fi Router. This guide covers hardware setup, app and web browser configuration, and important safety and regulatory information.</p>
<p>User Guide</p> <p>RT-BE86U BE6800 Dual-band WiFi Router</p> 	<p>ASUS RT-BE86U BE6800 Dual-band WiFi Router User Guide</p> <p>This user guide provides comprehensive instructions for setting up and using the ASUS RT-BE86U BE6800 Dual-band WiFi Router. It covers initial setup, features like AiMesh and VPN, security, troubleshooting, and safety information.</p>
<p>User Guide</p> <p>RT-BE82U BE6500 Dual Band WiFi 7 Router</p> 	<p>ASUS RT-BE82U BE6500 Dual Band WiFi 7 Router User Guide</p> <p>Comprehensive user guide for the ASUS RT-BE82U BE6500 Dual Band WiFi 7 Router, covering setup, features, tutorials, troubleshooting, and safety information.</p>