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› ASUS ROG Rapture GT6 AX10000 Tri-Band WiFi 6 Gaming Mesh System User Manual

ASUS GT6 (B-2-PK)

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Model: GT6 (B-2-PK)

INTRODUCTION

The ASUS ROG Rapture GT6 is a high-performance tri-band WiFi 6 gaming mesh system engineered to provide exceptional network experiences. This system is designed for extensive coverage and optimized performance, particularly for gaming and high-bandwidth applications. It features advanced technologies to ensure stable and fast connectivity throughout your home or office environment.

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your ROG Rapture GT6 mesh system. Please read it thoroughly to ensure proper installation and optimal performance.

PACKAGE CONTENTS

Verify that all items are present in your package:

- GT6 BLACK 2 PACK router (Two units)
- Power Adapter (Two units)
- RJ-45 cable
- Quick Start Guide
- Warranty Card

PRODUCT OVERVIEW

The ASUS ROG Rapture GT6 system delivers high-efficiency performance with WiFi 6 tri-band technology, offering speeds up to 10,000 Mbps. It is equipped with a dedicated high-performance backhaul and 160 MHz channels for ultrafast data transfer.



Image: Two ASUS ROG Rapture GT6 mesh routers, showcasing their design and illuminated ROG logos.

The system provides expanded coverage of up to 5,800 square feet, supported by nine powerful internal antennas and ASUS RangeBoost Plus technology, ensuring seamless connectivity across large areas.

Whole-Home WiFi Coverage

Seamless connectivity in every corner of your home

up to **5800** sq. ft.

up to **6+** room

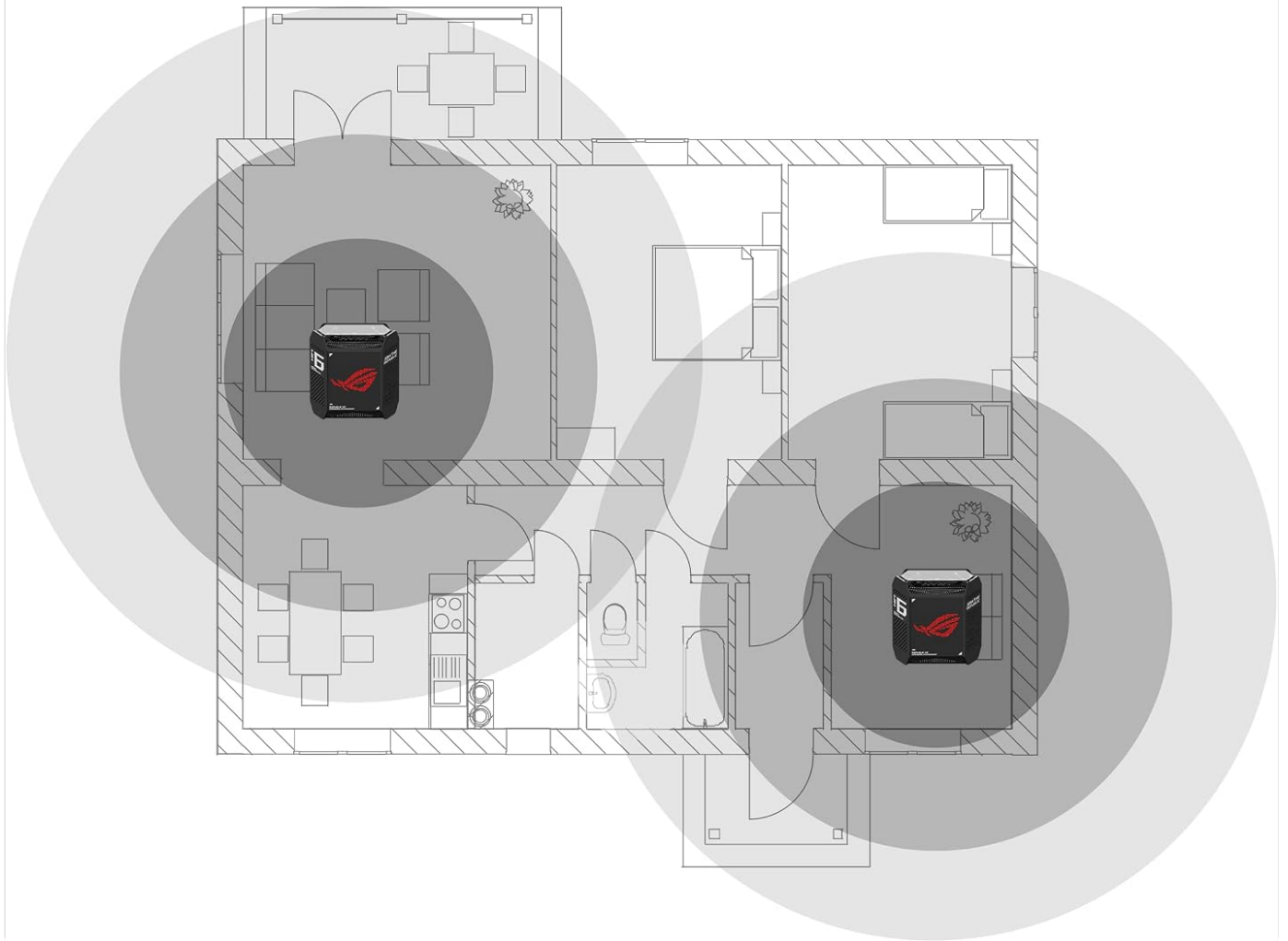


Image: A diagram illustrating the extensive whole-home WiFi coverage provided by the two mesh units, covering up to 5800 sq. ft.

For wired connections, the GT6 includes a 2.5 Gbps WAN port and LAN aggregation capabilities, offering up to 2.5 times faster wired connectivity for devices requiring high-speed access.

Connectivity for Smart Home

Supports LAN aggregation for flexibility



2.5G WAN Port

1G LAN Port x 3

USB 3.2 Gen 1 x 1

Image: Rear view of the ROG Rapture GT6 router, highlighting its 2.5G WAN port, three 1G LAN ports, and a USB 3.2 Gen 1 port for versatile connectivity.

The system features Triple-Level Game Acceleration, which optimizes game traffic from your device to the game server, reducing lag and improving the gaming experience. It also includes comprehensive network security with a free lifetime subscription to AiProtection by Trend Micro and ASUS Instant Guard, securing your WiFi and protecting your devices.

Accelerate Your Gaming Device

Triple-level Game Acceleration & Open NAT



Image: A visual representation of the gaming acceleration features, showing various gaming setups including mobile, console, and PC gaming.

The ROG Rapture GT6 supports an easy extendable network, allowing seamless roaming by adding any AiMesh-compatible router to expand your coverage further.

Easy Extendable Network

Enjoy seamless roaming with rich, advanced features by adding any AiMesh-compatible router.

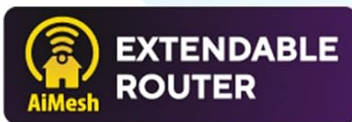
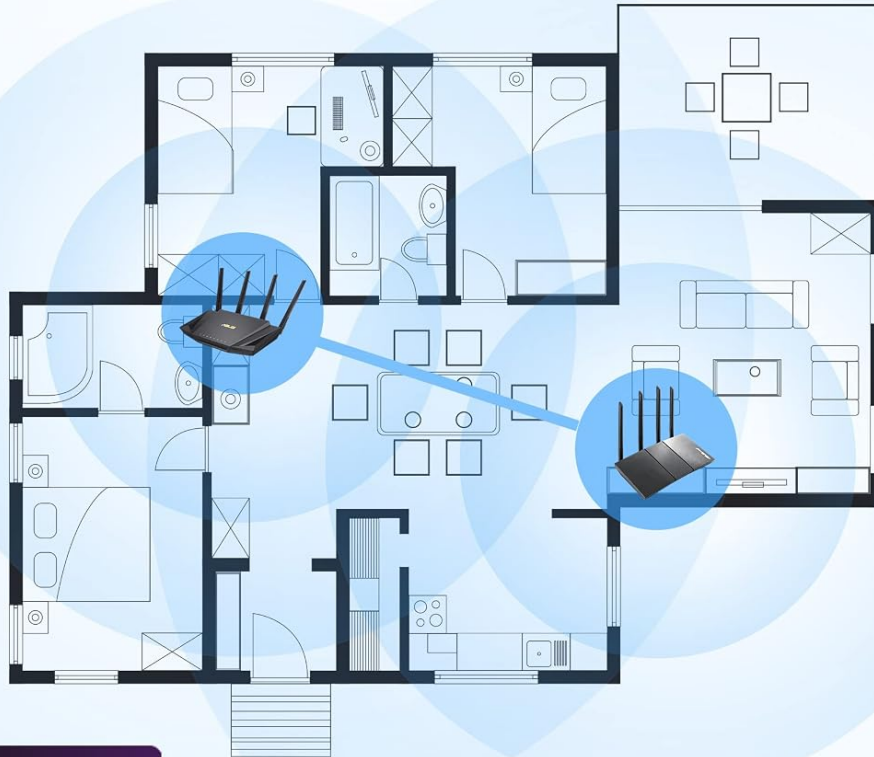


Image: A diagram demonstrating how the mesh system creates an extendable network for seamless roaming throughout a home.

SETUP

- 1. Unpack and Place:** Carefully remove both GT6 units from the packaging. Place the primary router near your modem and a power outlet. Position the second unit in a central location within the desired coverage area, ensuring it is within range of the primary unit.
- 2. Connect to Power:** Connect the power adapter to each GT6 unit and plug them into a power outlet. Wait for the units to power on and the LED indicators to stabilize.
- 3. Connect to Modem:** Use the included RJ-45 Ethernet cable to connect the WAN port (usually labeled 2.5G WAN) of the primary GT6 router to your internet modem's LAN port.
- 4. Initial Configuration:**
 - **Mobile App Setup:** Download the ASUS Router app from your mobile device's app store. Follow the on-screen instructions in the app to detect and set up your mesh system. This is the recommended method for ease of use.
 - **Web Browser Setup:** Connect a computer to one of the LAN ports on the primary GT6 router using an Ethernet cable, or connect wirelessly to the default WiFi network name (SSID) printed on the router's label. Open a web browser and navigate to <http://router.asus.com> or <http://192.168.50.1>. Follow the setup wizard to configure your internet connection and WiFi settings.
- 5. AiMesh Setup (for second unit):** If using the mobile app, the second unit will typically be detected and added

automatically. If setting up manually, ensure the second unit is powered on and within range, then follow the AiMesh setup instructions in the router's web interface to add it as a node.

OPERATING

Once your ASUS ROG Rapture GT6 mesh system is set up, it will provide a unified WiFi network throughout your home. Devices will automatically connect to the strongest signal from either the main router or an AiMesh node.

- **Connecting Devices:** Connect your wireless devices (smartphones, laptops, gaming consoles) to the WiFi network using the SSID and password you configured during setup. For wired devices, connect them to the LAN ports on either the main router or an AiMesh node.
- **Managing Settings:** Access advanced settings and features through the ASUS Router mobile app or the web interface (<http://router.asus.com>). Here you can:
 - Monitor network status and connected devices.
 - Enable or disable guest networks.
 - Configure parental controls and schedule internet access.
 - Manage QoS (Quality of Service) for prioritizing traffic.
 - Utilize Triple-Level Game Acceleration for optimized gaming performance.
 - Access AiProtection for network security features.
 - Set up VPN connections using ASUS Instant Guard.
- **LED Indicators:** Refer to the Quick Start Guide for a detailed explanation of the LED indicators on your GT6 units, which provide information about power, internet connectivity, and WiFi status.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your ROG Rapture GT6 mesh system.

- **Firmware Updates:** Regularly check for and install firmware updates via the ASUS Router app or web interface. Firmware updates often include performance improvements, security patches, and new features.
- **Cleaning:** Keep the router units clean and free from dust. Use a soft, dry cloth to wipe the exterior. Ensure ventilation openings are not blocked to prevent overheating.
- **Optimal Placement:** For best WiFi coverage, place the units in open areas, away from obstructions like large metal objects, concrete walls, and other electronic devices that may cause interference. Avoid placing them in enclosed cabinets.
- **Rebooting:** Periodically rebooting your router (unplugging the power for 10 seconds and plugging it back in) can help resolve minor network issues and improve performance.

TROUBLESHOOTING

If you encounter issues with your ROG Rapture GT6 mesh system, try the following troubleshooting steps:

- **No Internet Connection:**
 - Check if the WAN LED on the primary router is lit. If not, ensure the Ethernet cable from the modem is securely connected.
 - Reboot your modem and then your primary GT6 router.
 - Verify your internet service provider (ISP) connection is active.
- **Weak WiFi Signal or Dead Zones:**
 - Relocate the AiMesh nodes closer to the primary router or to a more central location.
 - Ensure there are no major obstructions (e.g., thick walls, large appliances) between the units.

- Check for sources of interference (e.g., cordless phones, microwaves) and move them away from the routers.

- **Devices Not Connecting to WiFi:**

- Verify the WiFi password is correct.
- Ensure the WiFi is enabled in the router settings.
- Reboot the problematic device.

- **Slow Internet Speed:**

- Check your internet plan speed with your ISP.
- Ensure no background downloads or streaming are consuming bandwidth.
- Enable QoS (Quality of Service) in the router settings to prioritize important traffic.
- Perform a firmware update.

- **Router Not Responding:**

- Perform a hard reset by pressing and holding the reset button (usually a small pinhole) for 5-10 seconds until the LEDs flash. *Note: This will revert all settings to factory defaults.*

SPECIFICATIONS

Feature	Specification
Brand	ASUS
Model Name	GT6 (B-2-PK)
Wireless Type	802.11n, 802.11ax (WiFi 6), 802.11a, 802.11ac, 802.11g
Frequency Band Class	Tri-Band
Connectivity Technology	Wi-Fi, USB, Ethernet
WAN Port	1 x 2.5 Gbps WAN
LAN Ports	3 x 1 Gbps LAN
USB Port	1 x USB 3.2 Gen 1
Processor	1.7GHz tri-core processor
Coverage Area	Up to 5,800 sq ft
Item Weight	1.94 pounds
Product Dimensions (LxWxH)	6.93 x 3.07 x 6.77 inches
Color	BLACK
Voltage	110 Volts
Operating System Compatibility	App, Windows, Mac OS, Linux
Special Features	QoS, Guest Mode, WPS, Internet Security (AiProtection), Parental Control

WARRANTY AND SUPPORT

Your ASUS ROG Rapture GT6 mesh system comes with a **3-Year Limited Warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

Additionally, the system includes a **Free Lifetime Subscription to AiProtection by Trend Micro**, providing robust network security features for the lifespan of the product.

For technical support, driver downloads, firmware updates, and more detailed product information, please visit the official ASUS support website:

<https://www.asus.com/support/>

You may also contact ASUS customer service directly through the contact information provided on their support website for assistance with setup, troubleshooting, or warranty inquiries.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question