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ASUS GT-AC5300

ASUS ROG Rapture GT-AC5300 WiFi Gaming Router Instruction Manual

Model: GT-AC5300

INTRODUCTION

The ASUS ROG Rapture GT-AC5300 is a high-performance tri-band gaming router designed to provide robust and stable network connectivity. It features a 1.8GHz quad-core processor and 4x4 802.11ac MU-MIMO technology, delivering data rates up to 5334 Mbps. This router includes advanced gaming features such as Game IPS, WTFast Game Accelerator, and AiMesh compatibility for extended whole-home Wi-Fi coverage. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your router.

WHAT'S IN THE BOX

Upon unboxing your ASUS ROG Rapture GT-AC5300, please ensure all the following items are present:

- GT-AC5300 Extreme Gaming Router
- RJ-45 Cable
- Power Adapter
- Quick Start Guide
- Warranty Card

What's In the Box

Exclusive ROG Rapture GT-AC5300 Gaming Router Bundle by ASUS



Image: The retail box contents, including the router, power adapter, RJ-45 cable, quick start guide, and warranty card.

SETUP

1. Physical Connection

1. Connect your modem to the router's WAN port using an RJ-45 Ethernet cable.
2. Connect your computer to one of the router's LAN ports using another RJ-45 Ethernet cable.
3. Connect the power adapter to the router's DC-IN port and plug it into a power outlet. Press the power button to turn on the router.
4. Verify that the Power, Wi-Fi, Internet, and LAN LED indicators on the router are illuminated.



Image: The rear view of the router showing the power button, DC-IN, USB 3.0 ports, WAN port, 8 Gigabit LAN ports, and Reset button.

2. Initial Configuration (Quick Internet Setup)

Follow these steps to configure your router using the Quick Internet Setup (QIS) wizard:

1. Open a web browser on your connected computer and navigate to router.asus.com.
2. The QIS wizard will launch automatically. Follow the on-screen prompts to set up your internet connection type (PPPoE, Static IP, or Automatic IP), Wi-Fi network name (SSID), and password.
3. Create a unique login name and password for your router's administration page to prevent unauthorized access.

Video: A detailed guide on how to set up your ASUS WiFi Router using the Quick Internet Setup (QIS) wizard.

OPERATING YOUR ROUTER

Tri-Band Technology

The GT-AC5300 operates on three bands: one 2.4 GHz band and two 5 GHz bands. This allows for dedicated bandwidth for different devices, reducing congestion and improving performance, especially for gaming and 4K streaming.

ROG Game Dashboard & Optimization

Access the ROG Game Dashboard via the router's web interface to utilize exclusive features:

- **Game IPS (Intrusion Prevention System):** Powered by Trend Micro, this provides multi-stage protection against external attacks and threats, securing your gaming network.
- **Game Boost:** Prioritizes gaming traffic for lower latency.
- **WTFast Gamers Private Network (GPN):** Optimizes routes to gaming servers for reduced ping times.
- **VPN Fusion:** Allows you to run a VPN and an ordinary internet connection simultaneously, maximizing connection speed to gaming servers.



Image: The ASUS ROG Rapture GT-AC5300 router with a graphical user interface overlay showing network performance metrics like upload and download bandwidth.

AiMesh Compatibility

The GT-AC5300 supports ASUS AiMesh, allowing you to connect with other compatible ASUS routers to create a flexible and powerful whole-home Wi-Fi network, extending coverage and eliminating dead zones.

MAINTENANCE

Firmware Update

Keeping your router's firmware up to date is crucial for optimal performance, security, and access to new features. You can update the firmware via the router's web interface:

1. Log in to the router's web interface (router.asus.com).
2. Navigate to **Administration** > **Firmware Upgrade**.
3. Click **Check** to see if a new firmware version is available.
4. If an update is available, click **Firmware Upgrade** and follow the on-screen instructions. Do not power off or restart the router during the update process.

Video: Instructions on how to update the firmware of your ASUS WiFi Router to the latest version.

Factory Reset

A factory reset can resolve various issues by reverting the router to its default settings. All custom configurations will be lost.

Method 1: Via Web Interface

1. Log in to the router's web interface (router.asus.com).
2. Navigate to **Administration** > **Restore/Save/Upload Setting**.
3. Click the **Restore** button next to 'Factory default' and confirm the action.
4. The router will reboot with factory default settings.

Method 2: Using the Reset Button

1. With the router powered on, locate the **RESET** button on the rear panel.
2. Press and hold the **RESET** button for approximately 5-10 seconds until the Power LED light starts to flash.
3. Release the button and wait for the router to reboot to its factory default settings.

Video: Instructions on how to restore your ASUS router to its default factory settings.

TROUBLESHOOTING

No Internet Connection

If your devices cannot access the internet after connecting to the router, consider the following:

1. **Check LED Indicators:** Ensure the Power, Wi-Fi, Internet, and LAN LEDs are properly illuminated.
2. **Verify Cable Connections:** Confirm that all Ethernet cables (WAN from modem, LAN to computer) are securely plugged in.
3. **Check WAN Settings:** Log in to the router's web interface and navigate to **WAN** settings. Verify that your WAN connection type (PPPoE, Static IP, or Automatic IP) and credentials are correct as provided by your Internet Service Provider (ISP).
4. **Restart Devices:** Power cycle your modem, router, and connected devices.

Video: Troubleshooting steps to fix internet connection problems on your ASUS Router.

Weak Wi-Fi Signal

If you experience weak or unstable Wi-Fi signals:

1. **Router Placement:** Position the router in a central location, away from obstructions like thick walls, metal objects, and large appliances (microwaves, refrigerators) that can interfere with Wi-Fi signals.
2. **Adjust Antennas:** Experiment with the orientation of the router's antennas to optimize signal coverage. Often, positioning them at a 45-degree or 90-degree angle can improve signal strength.
3. **Change Wireless Control Channel:** Log in to the router's web interface, go to **Wireless > General**, and try manually selecting a different control channel (e.g., 1, 6, or 11 for 2.4GHz) to avoid interference from neighboring networks.
4. **Update Device Drivers/Firmware:** Ensure the Wi-Fi drivers on your connected devices (laptops, smartphones, USB Wi-Fi adapters) are up to date.

Video: Tips and methods to improve your Wi-Fi signal strength.

SPECIFICATIONS

Brand	ASUS
Model Name	GT-AC5300
Frequency Band Class	Tri-Band (Dual 5 GHz, Single 2.4 GHz)
Wireless Communication Standard	802.11ac (Wi-Fi 5)
Data Transfer Rate	Up to 5334 Mbps
Processor	1.8GHz 64-bit Quad-Core CPU
Number of Ports	8 Gigabit LAN Ports, Dual USB 3.0
Antenna Type	Retractable (8 antennas)
Coverage	Up to 5,000 sq. ft.
Security Protocol	WEP, WPA-PSK, WPA2-PSK

Operating System	ASUSWRT
Item Dimensions (L x W x H)	11.46"L x 4.72"W x 14.88"H

WARRANTY INFORMATION

The ASUS ROG Rapture GT-AC5300 WiFi Gaming Router comes with a **2 Years Warranty**. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the warranty card included in the product packaging or visit the official ASUS support website.

SUPPORT

For further assistance, technical support, or to download the latest drivers and utilities, please visit the official ASUS support website:

[ASUS Support Website](#)

You can also find additional resources and contact information for customer service on the website.