

User Manual

Asus ROG GT-AX6000



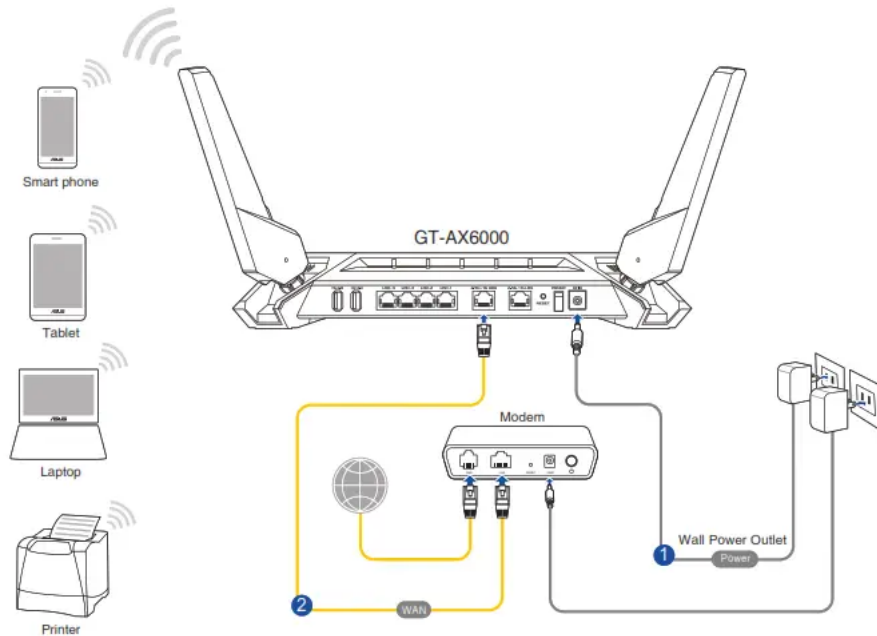
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1. Router Connection

1.1 Power up the router with the power adapter.

1.2 Connect the WAN port to the LAN 1/UNID1 port of the Fiber Box (i.e., NBN NTD) via the Ethernet cable.



The End User's router may be set up before. Reset is required to occur before configuration.
The WAN port can be plugged in before the configuration.

2. Router Set-up

There are two methods to connect with your router:

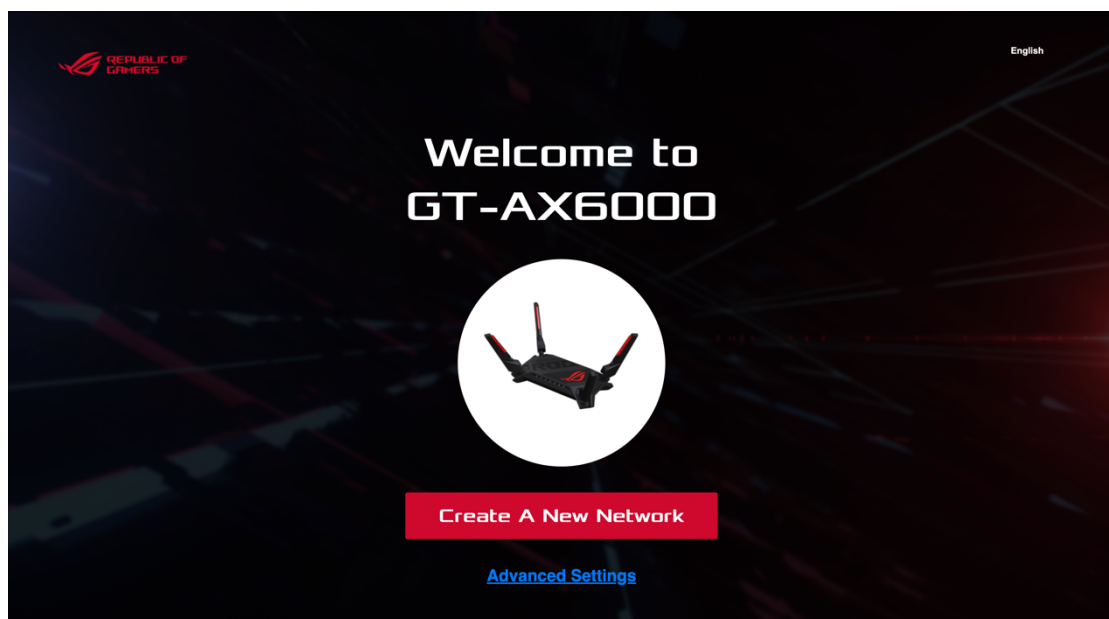
- A. **Ethernet cable connection:** Connect the **laptop/PC** to any of the **LAN ports** (1 – 4 of router) via **Ethernet cable**.
- B. **Wi-Fi Connection:** Connect your **device** (laptop, iPad, or spare phone) to the **Wi-Fi**.

*How to check the Wi-Fi detail: Use SSID and Wireless password on the **back of the router**.

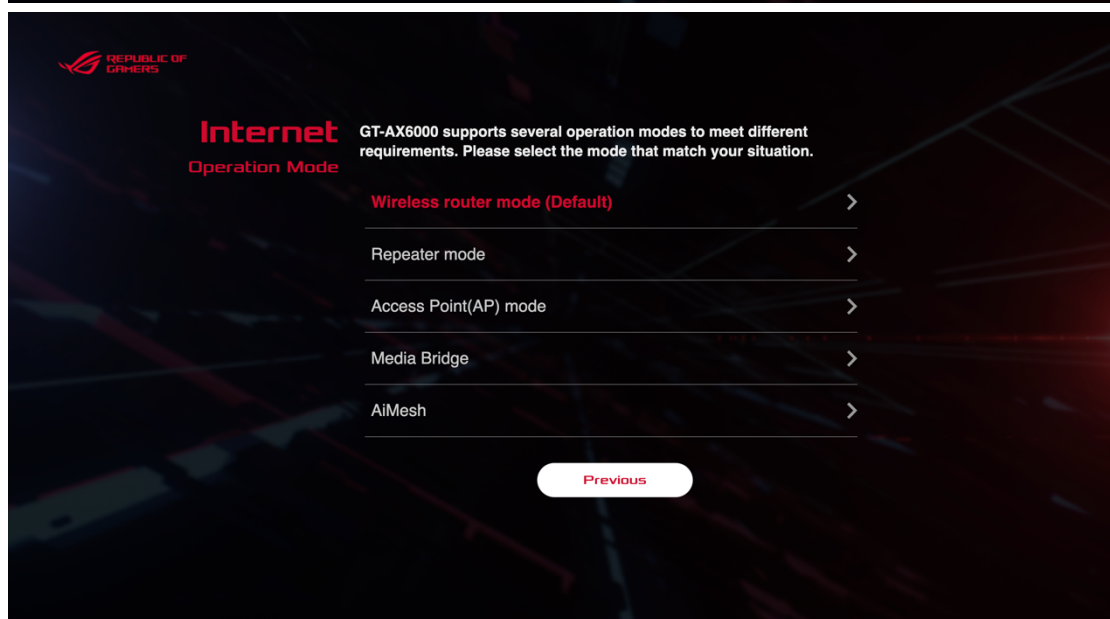
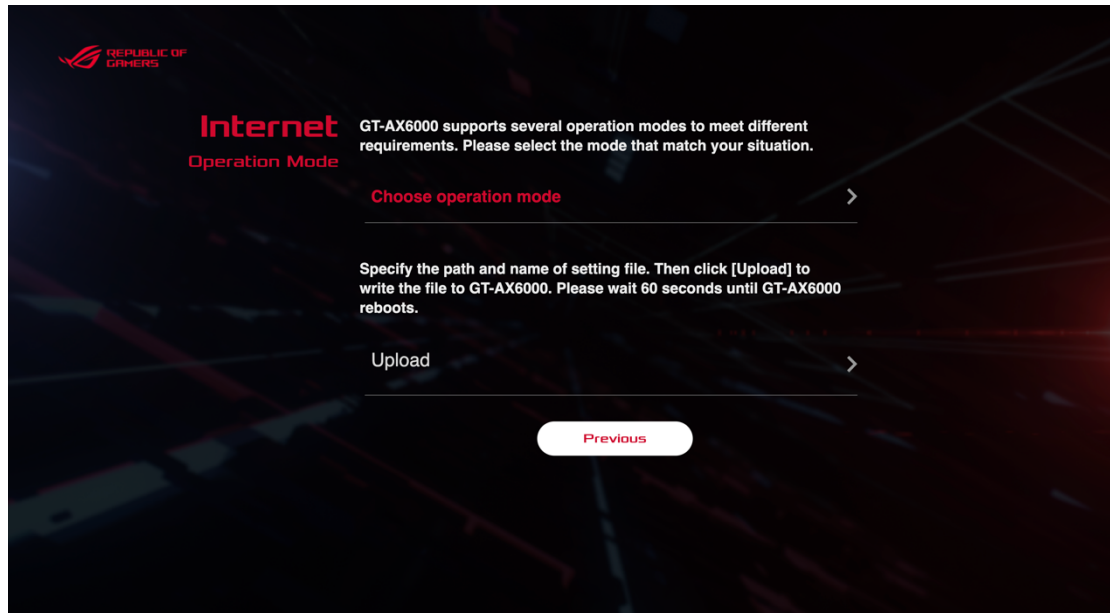


3. Router Configuration

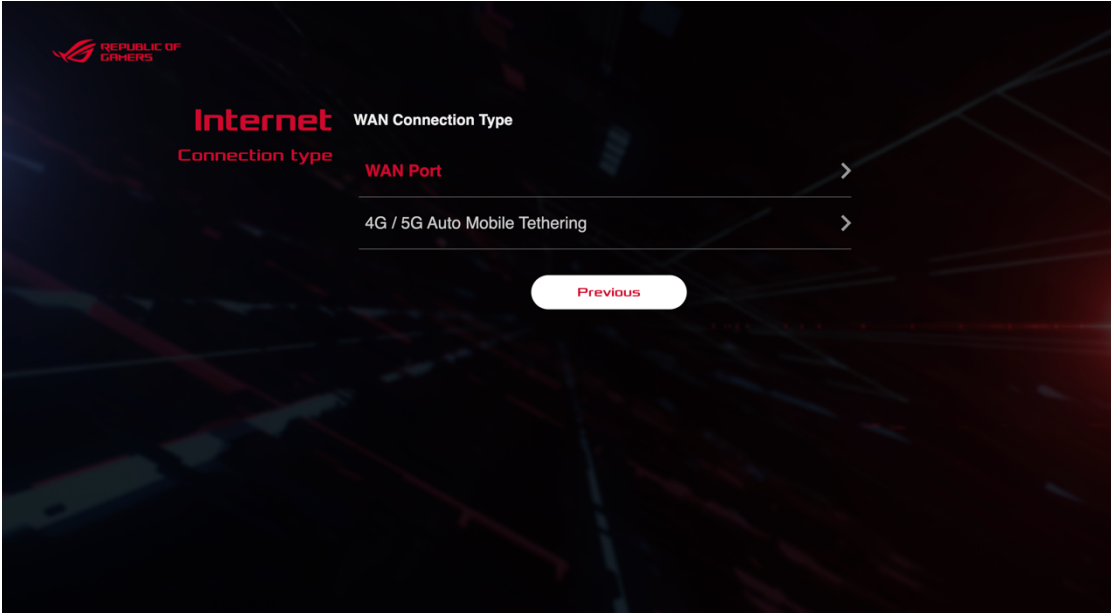
- 3.1. Open the Internet browser (e.g., Google Chrome, Safari, etc.) and input <http://192.168.50.1/> in the address bar to visit the router's configuration page. Click Advanced Settings.



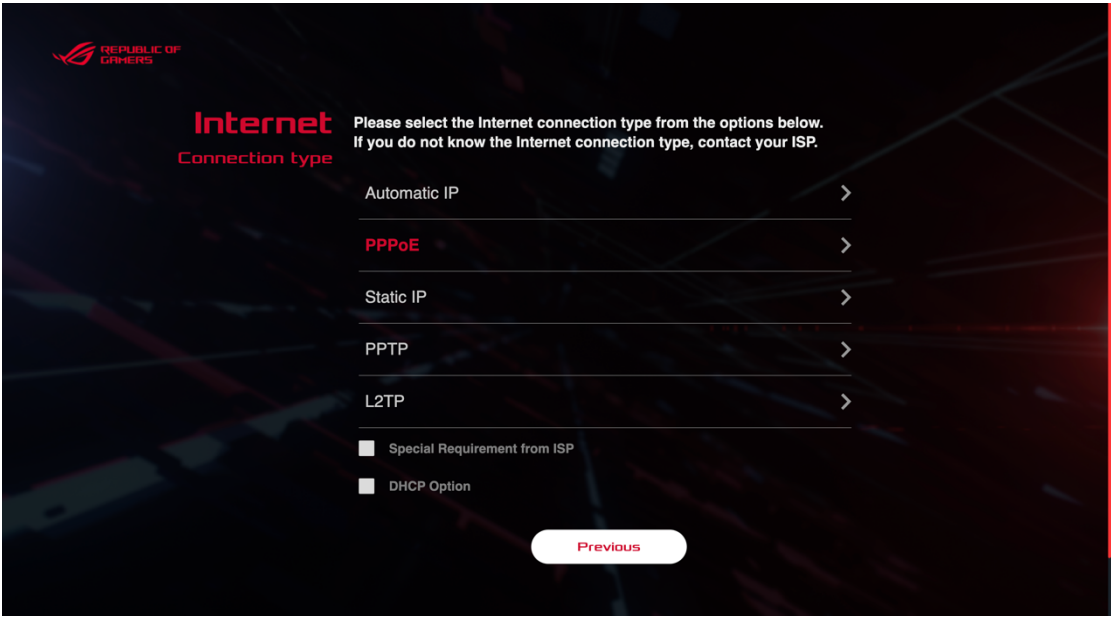
3.2. Click **Choose operation mode** and select **Wireless router mode**.

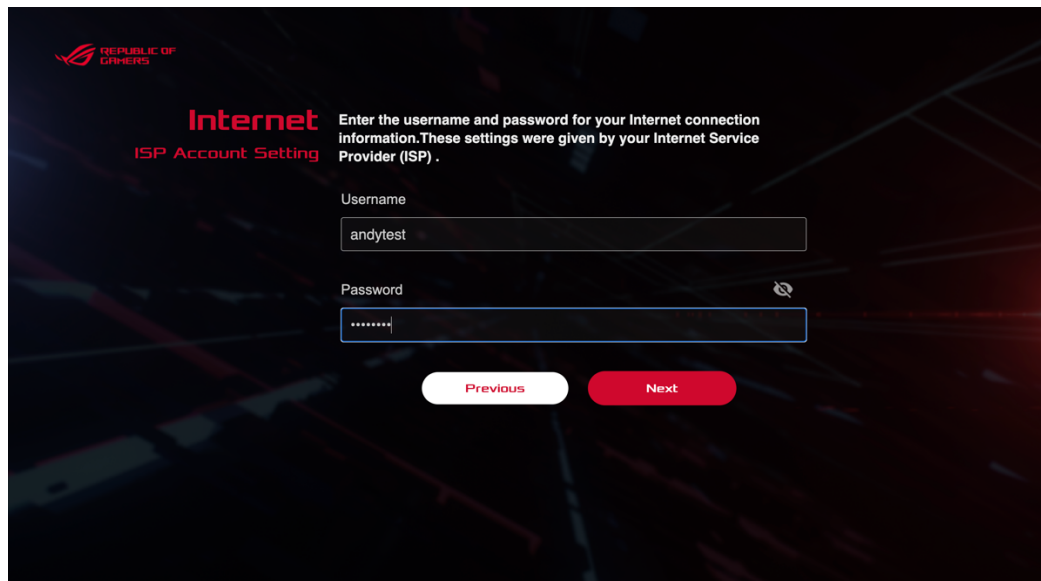


3.3. Select WAN port under WAN Connection Type.



3.4. **PPPoE** and Input the PPPoE username and password provided by the ISP, then click Next.





The screenshot shows the 'Internet' settings page with the sub-header 'ISP Account Setting'. It prompts the user to enter their ISP username and password. The username field is filled with 'andytest' and the password field is masked with asterisks. Navigation buttons 'Previous' and 'Next' are at the bottom.

Internet
ISP Account Setting

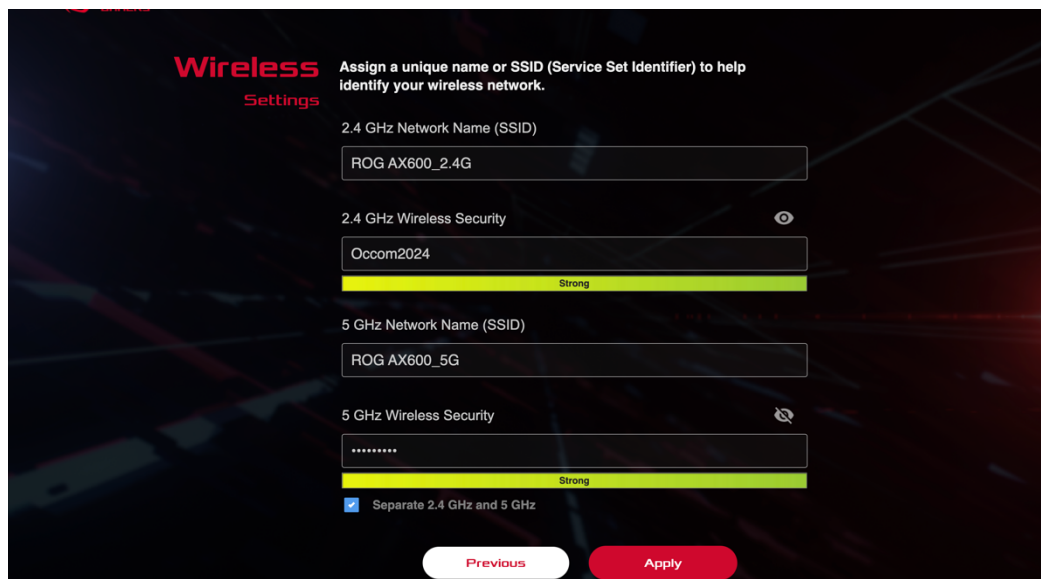
Enter the username and password for your Internet connection information. These settings were given by your Internet Service Provider (ISP).

Username
andytest

Password

Previous Next

- 3.5. Enable **Separate 2.4 GHz and 5 GHz**. Change the Wi-Fi name to “Ocom_XXXX_2.4G” and “Ocom_XXXX_5G” that XXXX is the last 4 digits of the MAC address. Keep the password as the default one. Click **Apply** after changing.



The screenshot shows the 'Wireless Settings' page. It allows configuration for both 2.4 GHz and 5 GHz networks. The 2.4 GHz SSID is 'ROG AX600_2.4G' and its security is 'Ocom2024' (Strong). The 5 GHz SSID is 'ROG AX600_5G' and its security is masked (Strong). The 'Separate 2.4 GHz and 5 GHz' checkbox is checked. 'Previous' and 'Apply' buttons are at the bottom.

Wireless
Settings

Assign a unique name or SSID (Service Set Identifier) to help identify your wireless network.

2.4 GHz Network Name (SSID)
ROG AX600_2.4G

2.4 GHz Wireless Security
Ocom2024
Strong

5 GHz Network Name (SSID)
ROG AX600_5G

5 GHz Wireless Security

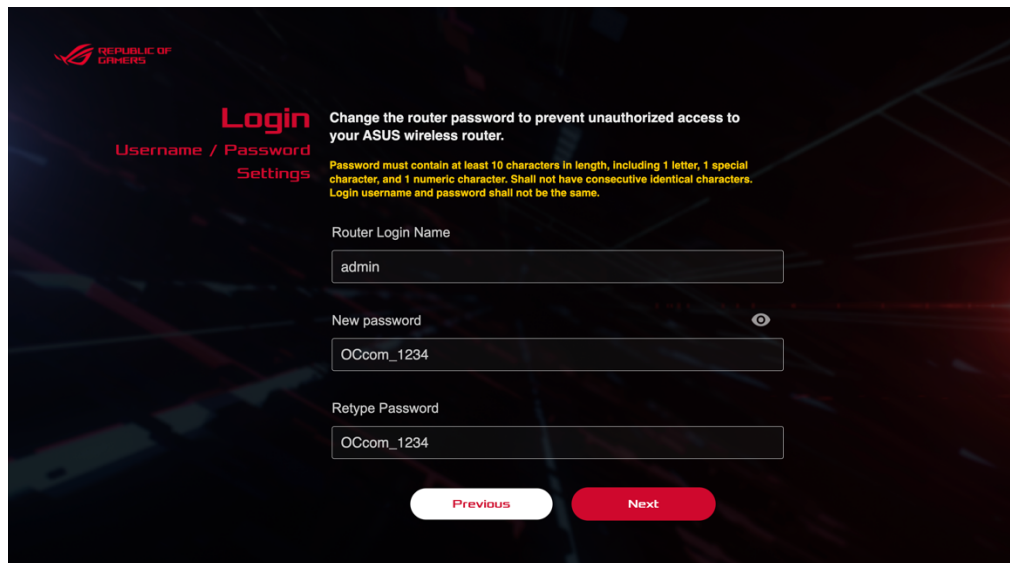
Strong

☒ Separate 2.4 GHz and 5 GHz

Previous Apply

***Caution:** Once you change your Wi-Fi name or password, your device needs to reconnect with Wi-Fi by using the new Wi-Fi name and password.

- 3.6. Input new login username and password to “OCcom_1234”.

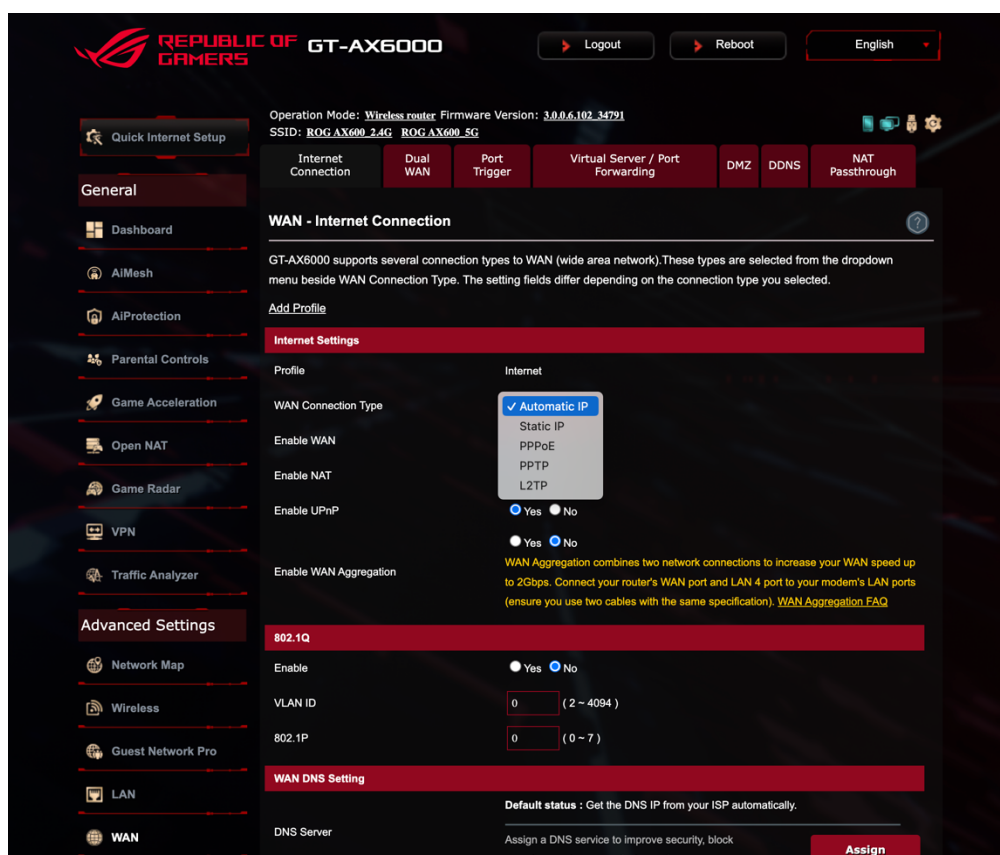


The login screen features the ASUS ROG logo and a 'Login' section. It includes a 'Router Login Name' field with 'admin' entered, a 'New password' field with 'OCcom_1234' and a toggle for visibility, and a 'Retype Password' field also with 'OCcom_1234'. A 'Previous' button is on the left and a 'Next' button is on the right. A password requirement note states: 'Password must contain at least 10 characters in length, including 1 letter, 1 special character, and 1 numeric character. Shall not have consecutive identical characters. Login username and password shall not be the same.'

4. Advanced settings

4.1. WAN connection for other mode:

If the router has already been configured and we need to modify WAN connection type for OptiComm Layer 3 service (IPOE), click WAN under Advanced Settings and select Automatic IP.



The screenshot shows the 'WAN - Internet Connection' settings page. The left sidebar lists various settings categories. The main area shows 'Internet Settings' with a dropdown for 'WAN Connection Type' set to 'Automatic IP'. Other options include 'Static IP', 'PPPoE', 'PPTP', and 'L2TP'. Below this, there are radio buttons for 'Enable WAN' (Yes/No), 'Enable NAT' (Yes/No), and 'Enable UPnP' (Yes/No). A note about WAN Aggregation is present. The '802.1Q' section has a radio button for 'Enable' (Yes/No) and input fields for 'VLAN ID' (0) and '802.1P' (0). The 'WAN DNS Setting' section has a 'DNS Server' field and an 'Assign' button.

4.2. CPE Build-in Speed Test.

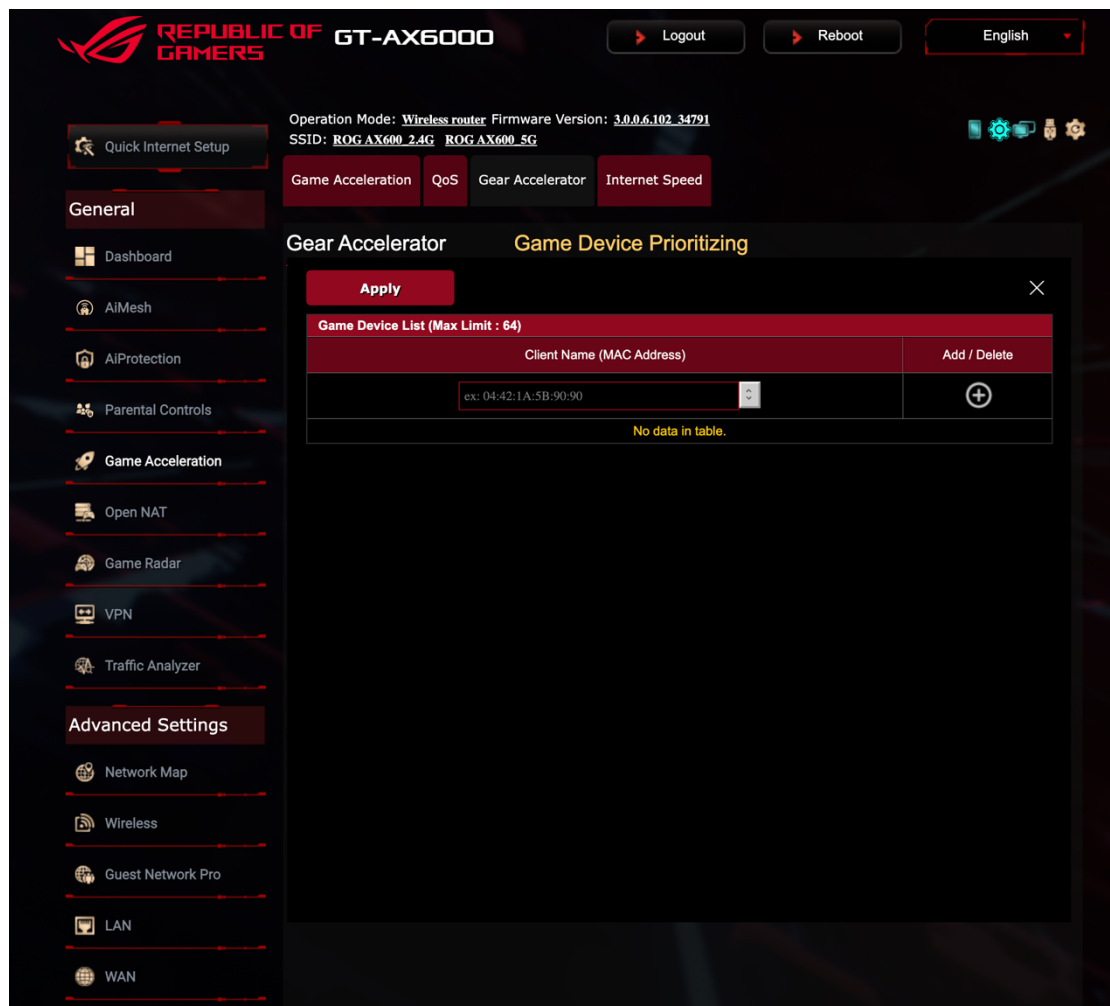
Click **Internet Speed** under **Traffic Manager**, and then click Go to run the speed test.

The screenshot displays the Asus ROG GT-AX6000 web interface. The top navigation bar includes the ROG logo, the model name 'GT-AX6000', and buttons for 'Logout', 'Reboot', and 'English'. The left sidebar contains a 'General' section with links to 'Quick Internet Setup', 'Dashboard', 'AiMesh', 'AiProtection', 'Parental Controls', 'Game Acceleration', 'Open NAT', 'Game Radar', 'VPN', 'Traffic Analyzer', and 'Advanced Settings'. The 'Advanced Settings' section is expanded, showing 'Network Map', 'Wireless', 'Guest Network Pro', 'LAN', and 'WAN'. The main content area is titled 'Internet Speed' and shows a speed test result. The test was performed on 2024/7/19 at 17:30. The download speed is 375.44 Mbps and the upload speed is 379.33 Mbps. The ping is 2.19 ms and the jitter is 0.08 ms. The test was performed using the 'Go' button. Below the test results, there is a 'History' section showing a table of test results.

Time	Download (Mbps)	Upload (Mbps)	Ping (ms)	Jitter (ms)
2024/7/19 17:30	375.44	379.33	2.19	0.08

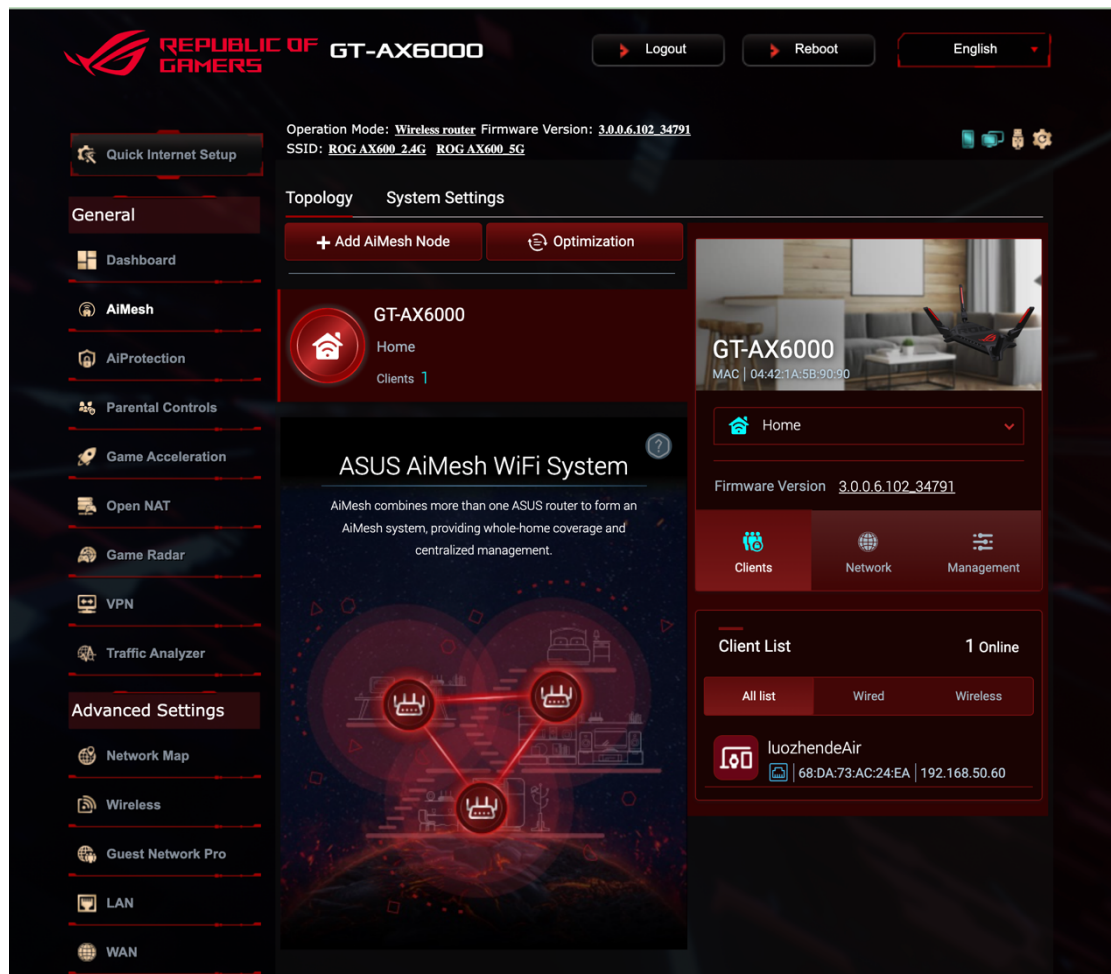
4.3 Game Acceleration

Input the Mac addresses of the game devices (e.g., PlayStation, Nintendo switch, PC) for game device prioritizing.



5. Adding mesh AP by AiMesh

Power on the AP, and then click +Add AiMesh Node under AiMesh within the configuration page of the primary router, then the primary router will search for available Aimesh AP nearby to join the same network.



6. Appendices

Some official videos about Asus ROG GT-AX6000

- Asus support reference: <https://manuals.plus/asus/gt-ax6000-dual-band-gaming-router-manual>