



Putting your AyrMesh Router into the Static NAT of the Westell B90 Gateway (Westell Interface).

The Westell Gateway Device is a combination DSL Modem, Router, and WiFi Access Point; ISPs use it because it provides end-users with a ready-to-use network. However, it does create a “NAT firewall” between the Internet and anything connected to it.

To use the AyrMesh Router, it must be directly connected to the Internet, so the AyrMesh Router must be in the “DMZ” of the Westell Router, which they call “Static NAT.”

This is very easy to do by following these simple steps.

- 1.) Use a browser to view the control interface for the Westell Gateway. Just type “192.168.1.1” into the URL window of the browser; the front page should look very similar to this:



- 2.) First, make sure the Firewall is turned off, as it is not needed with the AyrMesh Router and can prevent the AyrMesh Router from functioning. Click on *Configuration* and then *Firewall Configuration*:

- VC Configuration
- DNS Configuration
- DHCP Configuration
- Private LAN Configuration
- Public LAN Configuration
- Single Static IP Configuration
- Service Configuration
- Firewall Configuration**
- ATM Loop backs

Connection Overview

DSL Connect Rate (Down/Up) 1760 KBits/Sec by 288 KBits/Sec

Connection Name

° Hayward DSL

PPP Status

UP

disconnect

profile editor

Profile with the ° is your default profile. To make changes to your default profile click on the profile editor button.

3.) On the Firewall Configuration screen, make sure *None* is selected as shown:

Security Level

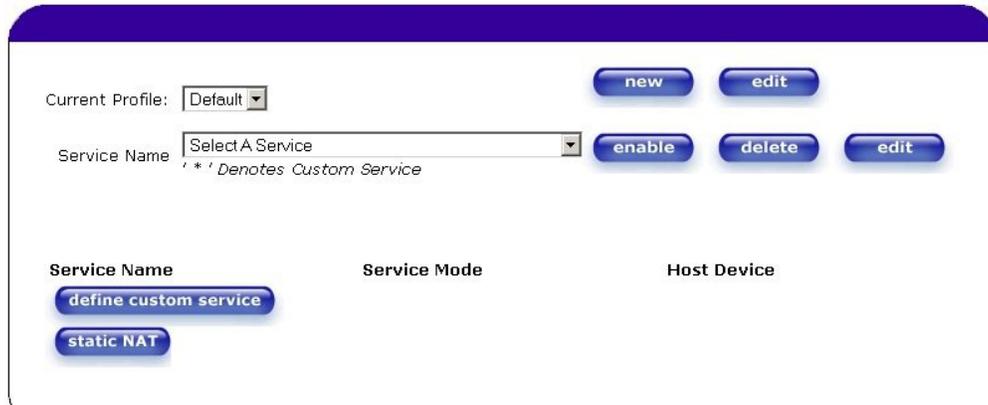
Control outbound traffic initiated from within the local network.
Inbound traffic may be controlled by configuring Port Forwarding.

- High Blocks all outgoing traffic except Mail, News, Web, FTP, and IPSEC
- Medium Same as high, end user can set custom rules through NAT configuration.
- Low Only known security holes are protected
- None All traffic is allowed
- Custom Customize settings

edit

If it's not, select *None* and click the Save button.

4.) Next, click on *Configuration* and then *Service Configuration*. You should see a screen like this:



Current Profile:

Service Name:
* * Denotes Custom Service

Service Name	Service Mode	Host Device
<input type="button" value="define custom service"/>		
<input type="button" value="static NAT"/>		

3.) Click on the *static NAT* button; you'll see a screen like this:

Static NAT

Set Up an IP Address to be your Default NAT Destination.

Static NAT Device:

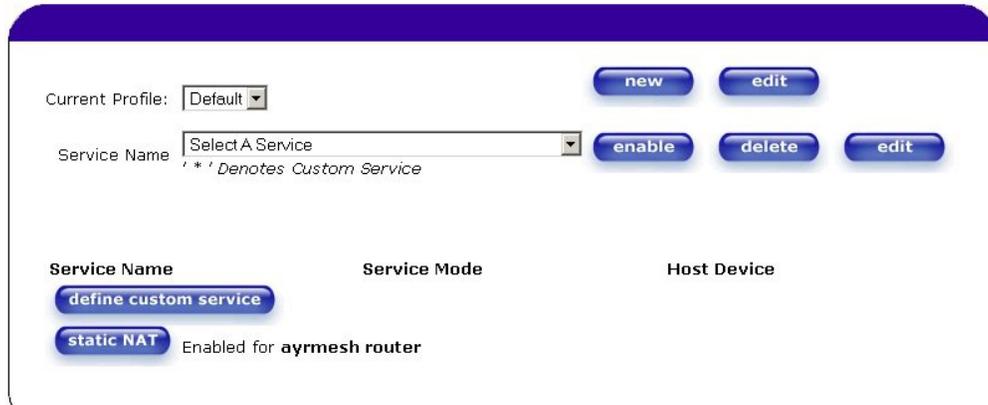
or specify

IP Address:

All unsolicited inbound traffic will be sent to the above device.

Note: *Static Nat and IP Passthrough are mutually exclusive features.*

4.) As shown, select the *ayrmesh router* from the pulldown next to Static NAT Device, then click the *enable* button at the bottom. You'll be taken back to the Service Configuration screen, which should indicate that Static NAT is enabled and the AyRMesh Router is the Static NAT device:



The screenshot shows the 'Service Configuration' page in the Westell web interface. At the top, there is a navigation bar with 'Home', 'Status', 'Configuration', 'Maintenance', 'Troubleshooting', and 'Help'. Below this, a 'Service Configuration' button is visible. The main content area has a dark blue header. Below the header, there are two rows of controls. The first row has 'Current Profile: Default' with a dropdown arrow, and two buttons: 'new' and 'edit'. The second row has 'Service Name' with a dropdown menu showing 'Select A Service' and a note '* * Denotes Custom Service', and three buttons: 'enable', 'delete', and 'edit'. Below these controls is a table with three columns: 'Service Name', 'Service Mode', and 'Host Device'. The first row of the table has a button 'define custom service' under 'Service Name'. The second row has a button 'static NAT' under 'Service Name' and the text 'Enabled for ayrmesh router' under 'Host Device'.

- 5.) The Modem may ask you for a username and password. The default username is **admin** and the default password is **password**. If the defaults don't work, someone may have changed the password on the Modem. Try your common passwords. If none of them work, you may have to reset the Modem to its factory specifications by holding the reset button on the back down for approximately 30 seconds. When it reboots, you should be able to log in using the default username and password. Of course, we recommend you change the password from the *Main* menu at some point.

The Modem may or may not reboot itself once the settings are made. Either way, it will tell you that the AyrMesh Hub is now in the Static NAT of the Westell Modem, and you should be ready to use your AyrMesh and AyrScout products.