

PLAY STATION SETUP GUIDE

NF20MESH



PlayStation 3 Setup Guide

There are two ways of allowing your PlayStation 3 to communicate with the internet. One is through port forwarding and the other is through the DMZ feature.

Port forwarding will enable specified ports on the router to get access to your PlayStation 3 to communicate with the internet as if they were directly connected by allowing access through.

Setting your PlayStation 3 as a DMZ host opens all the ports on the router to allow access to a designated device.

Prerequisite

Before you configure the **NF20MESH**, you will need to set a static IP address on your PlayStation.

Please follow the instructions at the link below to set a static IP address on your PlayStation:

<https://portforward.com/networking/staticip-ps3-playstation-3.htm>

You can use an IP address like 192.168.20.100 for example.



IMPORTANT – You can only forward a port to **one** location (IP address). In some cases, this may cause issues when multiple LAN devices (computers, game consoles, or VOIP ATAs) attempt to use online gaming at the same time or make multiple VOIP service connections. In these cases, you would need to use an alternate port for any subsequent connections after the first device.

Please consult your VOIP provider or game manufacturer for assistance with this.

Setting the PlayStation 3 as the DMZ Host

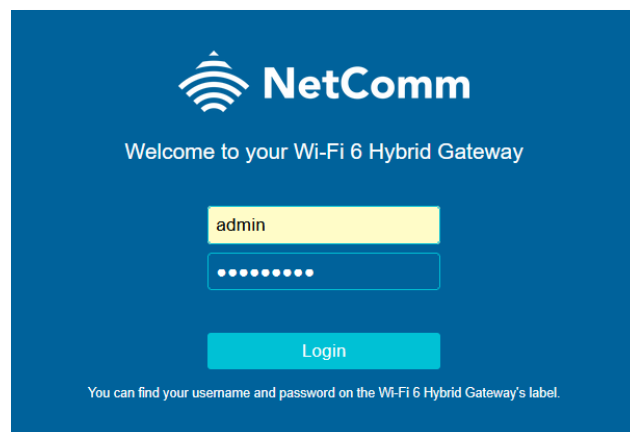
Log in to the web interface

1. Open a web browser (such as Internet Explorer, Google Chrome or Firefox), type following address into the address bar and press enter.

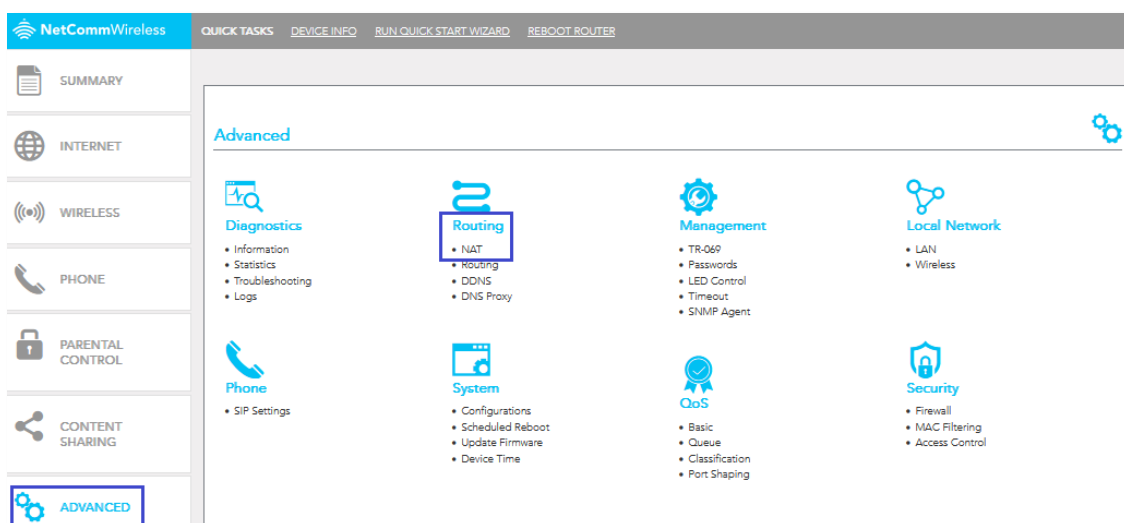
<http://192.168.20.1>

Type “**admin**” in the Username and password printed on the back of the modem in the Password fields and click the **Login** button.

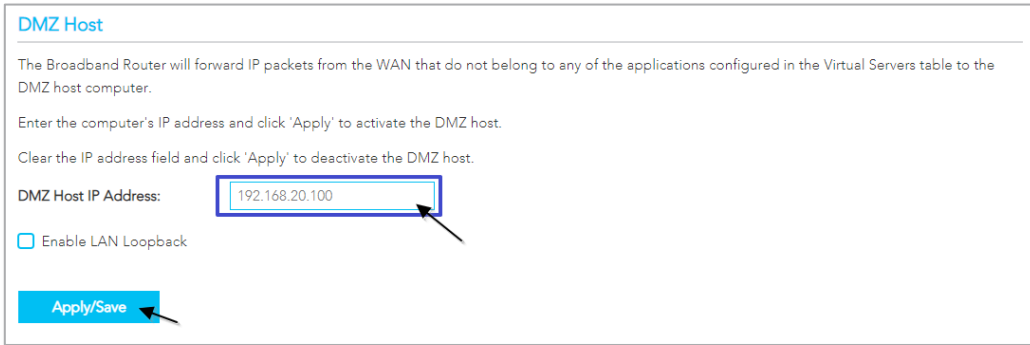
NOTE – Some Internet Service Providers use custom password. If login fails, contact your Internet Service Provider. Use your own password if it is changed.



2. Navigate to **ADVANCED** menu, click on the **NAT** option under **Routing** section.



3. Scroll down to **DMZ Host**



DMZ Host

The Broadband Router will forward IP packets from the WAN that do not belong to any of the applications configured in the Virtual Servers table to the DMZ host computer.

Enter the computer's IP address and click 'Apply' to activate the DMZ host.

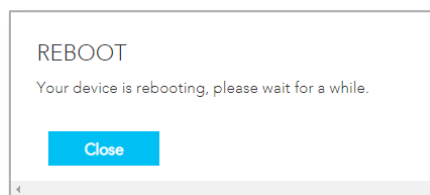
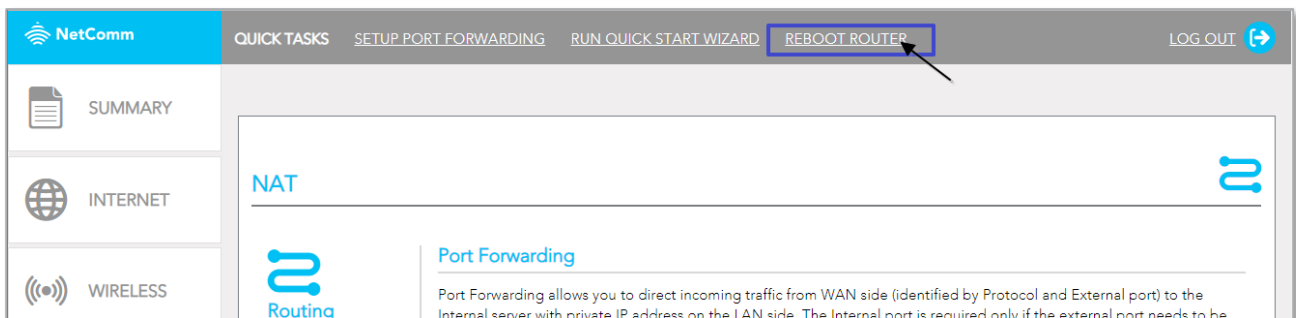
Clear the IP address field and click 'Apply' to deactivate the DMZ host.

DMZ Host IP Address:

☐ Enable LAN Loopback

Apply/Save

4. Enter the static IP address of the PlayStation in the **DMZ Host IP Address** field. In this example, **192.168.20.100** is the IP address of the PlayStation.
5. Click on the **Save/Apply** button.
6. Reboot the modem: Click **REBOOT ROUTER** option on the top of the page.



DMZ can only be applied to one device.

Port Forwarding is not needed if DMZ was configured for this IP Address.

Add a Port Forwarding Rule for PlayStation 3

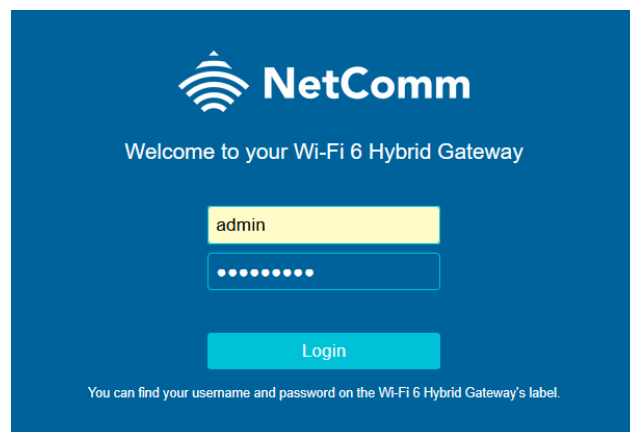
Log in to the web interface

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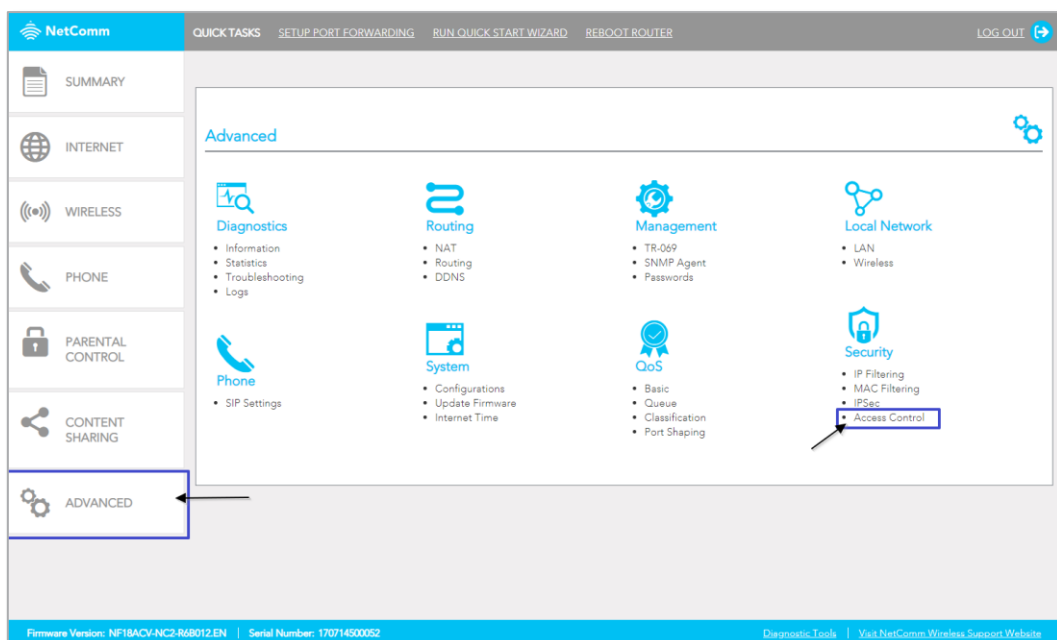
<http://192.168.20.1>

Type “**admin**” in the Username and password printed on the back of the modem in the Password fields and click the **Login** button.

NOTE – Some Internet Service Providers use custom password. If login fails, contact your Internet Service Provider. Use your own password if it is changed.



2. **Port 80** is also used to access webpage of the **NF20MESH** so it needs to be re-configured.
 - A. Navigate to **ADVANCED** and click **Access Control** in the **Security** group.



- B. Change the HTTP Service port number.

It is recommended to change the webpage port number to **8000** as described below (**Remember that from now onwards you can only access the webpage with port 8000**).

Access Control

Security

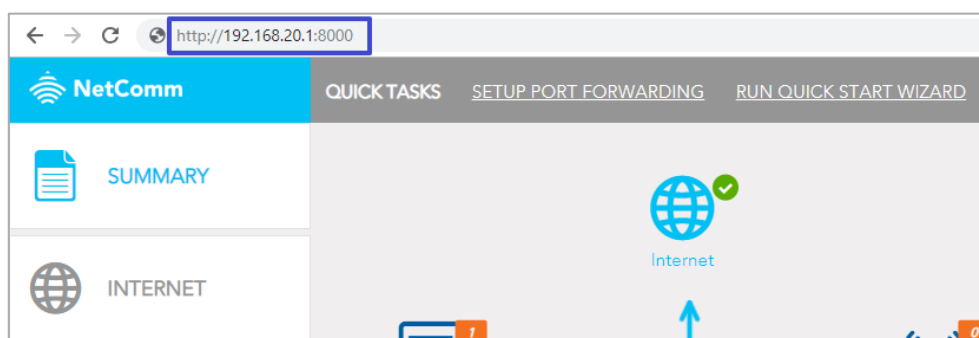
- IP Filtering
- MAC Filtering
- IPSec
- Access Control**

Services access control list (SCL) enable or disable the running services.

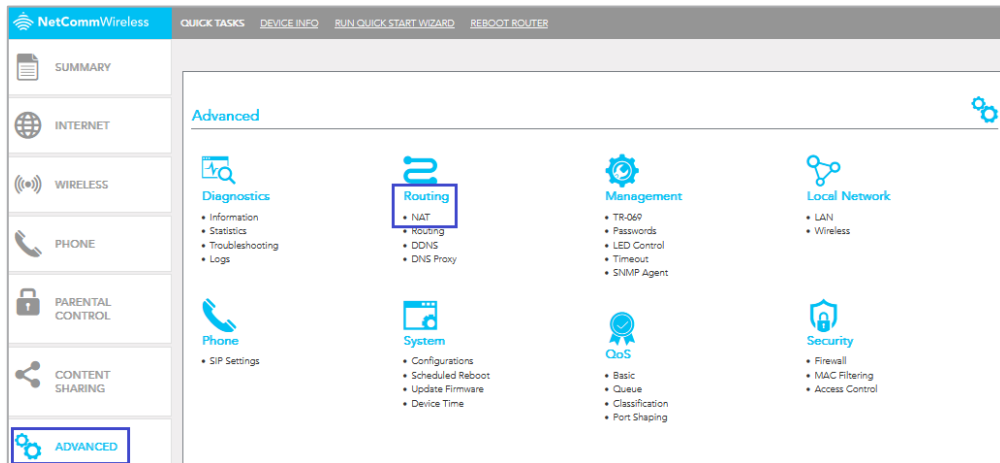
Services	LAN	LAN Port	WAN	Port
HTTP	☒ Enable	8000	☐ Enable	8000
TELNET	☒ Enable	23	☐ Enable	23
SSH	☒ Enable	22	☐ Enable	22
FTP	☒ Enable	21	☐ Enable	21
TFTP	☒ Enable	69	☐ Enable	69
ICMP	☐ Enable	0	☐ Enable	0
SNMP	☒ Enable	161	☐ Enable	161
SAMBA	☒ Enable	445	☐ Enable	445

Apply/Save

- Click the **Save/Apply** button.
- Open a web browser (such as Internet Explorer, Google Chrome or Firefox), type **http://192.168.20.1:8000** into the address bar and press **enter**.



5. Navigate to **ADVANCED** menu and click on the **NAT** under **Routing** section.



6. Click the **Add** button under **Port Forwarding** to add a port forwarding rules.
7. Check the Interface currently selected in the **Use Interface** field is correct.
8. Choose Use Interface **ADSL** or **VDSL** depending on your connection type for DSL.

Add Port Forwarding Rule

Select the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the specified server.

NOTE: The "Internal Port End" cannot be modified directly. Normally, it is set to the same value as "External Port End". However, if you modify "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start".

Remaining number of entries that can be configured: 31

Use Interface:

VDSL/ppp0.1

Service Name:

PlayStation

LAN Loopback:

Enable

Server IP address:

192.168.20.100

Status:

Enable

External Port Start:

80

External Port End:

80

Protocol

TCP

Internal Port Start:

80

Internal Port End:

80

Apply/Save

Close

9. To create your own defined port forwarding rule, select the **Service Name** field and give the port forwarding rule a unique name. This example uses **PlayStation**.
10. Enter the IP address of the PlayStation that you wish to port forward to in the **Server IP Address** field. In this example, the IP address of the PlayStation is **192.168.20.100**
11. Enter the **port** number or port range into the External Port Start and External Port End fields.
Note that the Internal Port Start and Internal Port End fields will automatically populate with the same port numbers.
12. Select the protocol to be used for the port forwarding rule. Options include **TCP**, **UDP** or **TCP/UDP** for both.
13. Click **Apply/Save**.
14. Repeat for additional **Ports Forwarding rules** for Maximum of 32 rules.

Each Port number can only be forwarded once.

Port Forwarding is not needed if DMZ was configured for this IP Address

Ports and protocols

The ports and protocols for PlayStation are as follows:

PlayStation 3 ports:

<http://manuals.playstation.net/document/en/ps3/current/settings/connecttest.html>

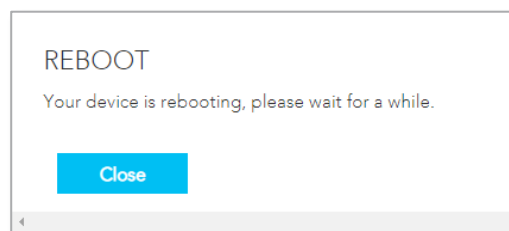
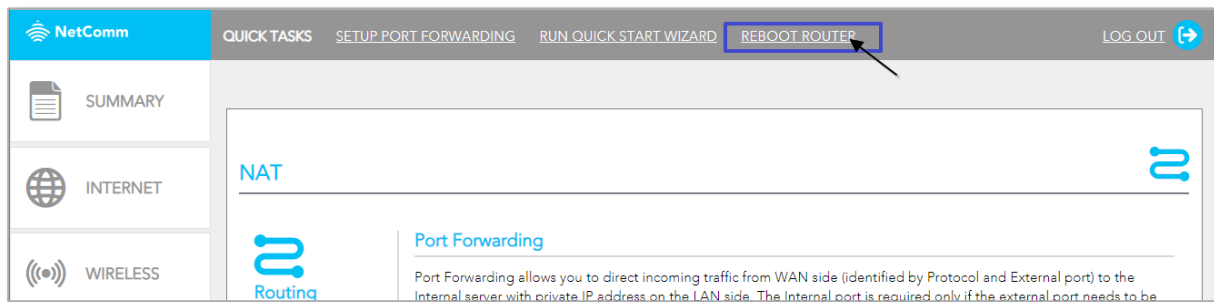
PROTOCOL	PORT NUMBER
TCP	80
TCP	443
TCP and UDP	3478
TCP and UDP	3479
TCP	3480
TCP	5223
TCP	8080
UDP	3658

PlayStation 4 ports:

<https://portforward.com/networking/static-ip-ps4/default.htm>

PROTOCOL	PORT NUMBER
TCP	80
TCP	443
TCP and UDP	3478
TCP and UDP	3479
TCP	3480
TCP	5223

1. The port forwarding rules will now be displayed as the example above shows.
2. Reboot the modem: Click REBOOT ROUTER option on the top of the page.



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