Port Forwarding Setup
(NF1ADV)
Port Forwarding

Port forwarding enables programs or devices running on your LAN to communicate with the internet as if they were directly connected.

This is most commonly used for VOIP ATA devices or online gaming (via game console or computer).

Port forwarding works by “forwarding” a specific TCP or UDP port from the modem / router to the computer or device you are using.

You can also restrict which incoming connections will have the rule applied to it. This enables you to specify all incoming connections, from a specific subnet or from an individual IP address.*

Different services and different games all use different TCP or UDP ports.

You will need to consult any information supplied with your service or game in order to find which ports need to be forwarded.

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 as 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.
Adding a Port Forwarding Rule

This guide will take you through the steps required to add a port forwarding rule to your modem / router.

2. Enter “admin” as both the username and password to login to the router.

3. Select the “NAT” option and then the “Port Forwarding” option from the “Advanced Settings” menu.
4. Press the Add button.

5. Select the appropriate WAN interface.

6. Select the “Custom Service” option and name the new port forwarding rule.

7. Enter the local IP address into the “Server IP Address” for the device you wish to port forward traffic to.

8. Select the protocol that the packets to be forwarded uses.

9. Enter the external (WAN) port number or port range and the Inbound (LAN) port number or port range.

10. Press the “Apply/Save” button to save the new port forwarding rule.

11. The new rule should now be displayed on the NAT- Virtual Servers page.

If the incoming port range specifies a single port range then the destination port range can be set to any port.

If the incoming port range specifies a range of port numbers then the Destination Port Range MUST be the same as the Incoming Port range.
12. **Please note:** Some services require more than one port forwarded. You can do this by specifying a sequential range of ports instead of just one.

**For example:** 6881-6999.

To do this, you would enter "6881" in the "Port Start" fields and "6999" in the "Port End" fields for both the "External Packet" and "Forward to Internal Host" sections.

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