Port Forwarding Setup

(3G17Wn)
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.

* - If supported by your model of modem / router.
Adding a Port Forwarding Rule

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

1. It is recommended to set a static IP address for the computer / device you wish to port forward to. This is so the IP address of the device does not change when the device or the router is restarted.
2. Navigate to http://192.168.20.1 in a web browser using ‘admin’ as the username and password. Click Submit.
3. Mouse over Internet Settings and select LAN.
4. Enter the MAC address and IP address of the computer/device you wish to port forward to. To find the MAC address and IP address of a computer type 'ipconfig /all' (without quotes) in a command prompt. The physical address of the network card is the MAC address. The IP address will be listed as IP address (version 4 for Windows Vista or later).

5. Press the Apply button.

6. Mouse over Firewall and select Port Forwarding.

7. Set Virtual Server Settings to Enable.

8. Enter the IP address of the device you wish to port forward to.

9. Enter the port number or port range you wish to port forward. If only one port number enter it in both fields.
10. Select the protocol, either TCP or UDP. If you are unsure select TCP & UDP.
11. Enter a comment / name for the port forwarding rule.
12. Press Apply.

13. The port forwarding rule will be displayed as per the example above.
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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