Port Forwarding Setup
(3G15Wn)
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.
Setting a Static IP Address

It is recommended you set a static IP address for the computer or device you wish to port forward to. This is so the IP address of the device does not change when the computer or router is restarted.

To set a static IP address:

2. Enter 'admin' (without quotes) for both the username and password and click Ok.
3. Select Advanced > LAN.
4. Click the Add Entries button.

5. Enter the MAC address and IP address of the computer or other device that you wish to setup port forwarding to. (To find the MAC address of a network card look for the physical address after entering 'ipconfig /all' in a command prompt.)

6. Press Apply/Save.
7. The device will be listed in the Static IP Lease List.
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 for both the username and password and click Ok.
3. Select Advanced > NAT > Port Forwarding.

3. Click on the Add button.
4. To create your port forwarding rule select Custom Services and enter a name for the port forwarding rule.

5. Enter the IP address of the computer or device you wish to port forward to in the Server IP Address field.

6. Enter external port number or port range. The internal port number or port range will appear in the Internal port fields. You can change them if required.

7. Enter the protocol, either TCP or UDP. If you are unsure enter TCP & UDP.

8. Press Apply/Save.
9. The port forwarding rule will now be displayed as in the example above.
10. To select a pre-configured port forwarding rule select the rule from the Select a Service field. The example below uses the Telnet server function.

11. Enter the IP address of the computer or device you wish to port forward to.

12. The port number or port range will automatically be entered for you.

13. Press Save / Apply.
The port forwarding rule will be displayed as per the example below.
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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