

## Port Forwarding with Two Routers

Looking for answers about the Port Forwarding using two routers? We have put together this very simple to follow port forwarding page. If you find this information useful then please make a donation to keep this information FREE. If you can't find the answer you are looking for then please feel free to contact by using the form to the right of this page.

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Port forwarding through two routers is a bit more complex than port forwarding through one router. Here is a picture of a double routed network.

The first router you see is the ADSL Router and has an internal IP address (*192.168.0.1*) and an external IP address (*Provided by your ISP*).

The second router (*Router 2*) also has an internal IP address (*192.168.5.1*) and an external IP address (*192.168.0.2*). The external IP address connects to the WAN (Wide Area Network) which is usually the Internet connection. The internal IP address connects the router to the local network where your computers are connected.

Now we want to forward ports from the WAN of the ADSL Router to a computer connected to Router 2 on LAN2. To do this we need to forward the ports in the ADSL Router to the second router (*Router 2*) external IP address. In this example we would log into the ADSL Router and forward ports to *192.168.0.2*. It is important to note that to connect to the ADSL Router web interface you will most likely need to have a computer connected directly into the ADSL Router to carry out this task.

The next step is to forward the ports from your second router (*Router 2*) to the computer you plan on running the program that needs the ports forwarded. In our example we would log into the second router (*Router 2*) and then forward ports to *192.168.5.2*.

The computer that the ports are being forwarded to needs a static IP address for this to work correctly. If you do not have a static IP address on the computer then the ports you have forwarded will stop working as when you use Dynamic IP address, the IP address can and will change. So it is important to setup a static IP address on the computer you are forwarding ports too.

The same applies to your second routers (*Router 2*) external IP address, so you will need to set the WAN IP address to a Static IP address.