DSL-504T Install Guides

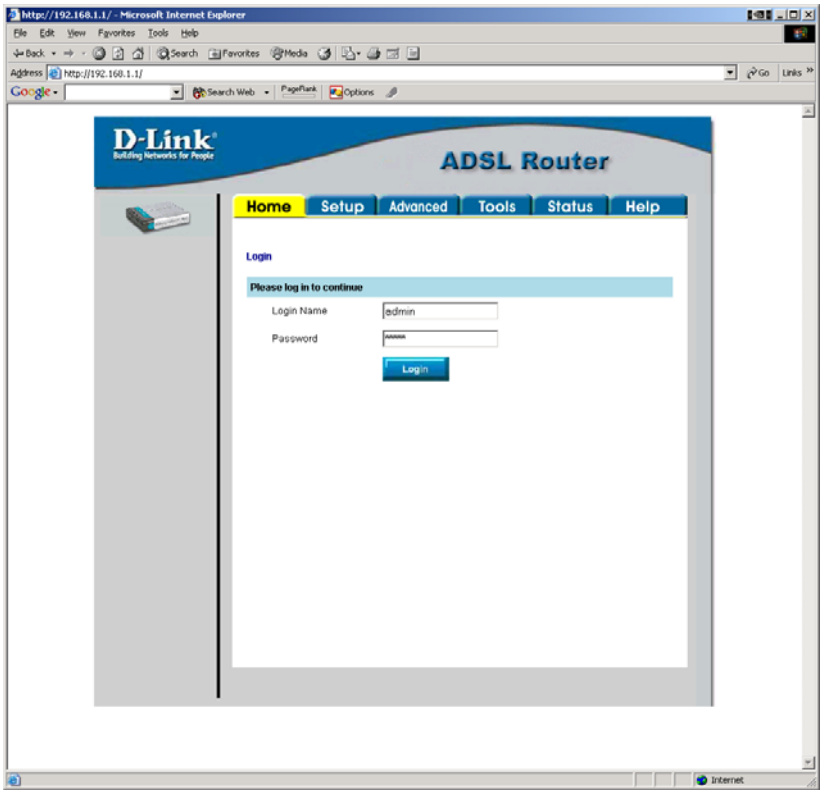
DSL-504T Internet connection with NAT

DSL-504T F/W-V1.00B02T02.UK.20040427

The default IP address for the router is 192.168.1.1

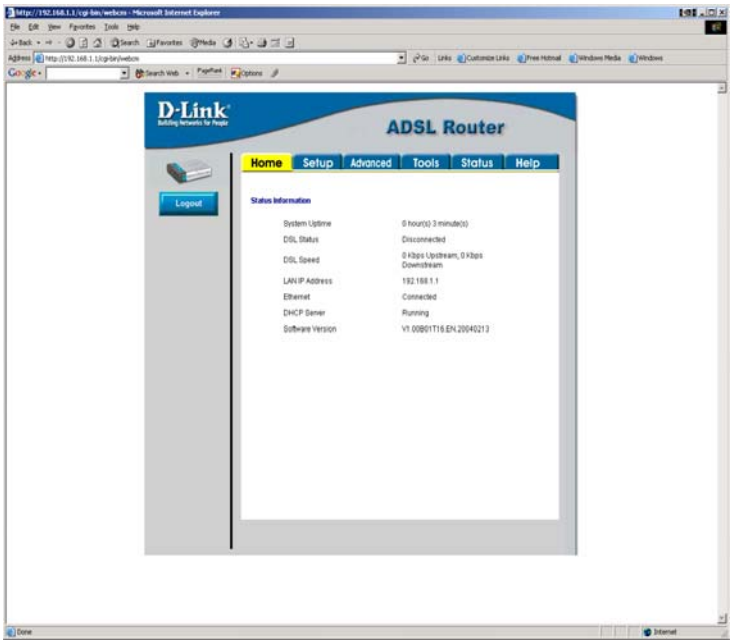
Open up Internet explorer and enter the IP address of the router.

You will be displayed with the below screen.

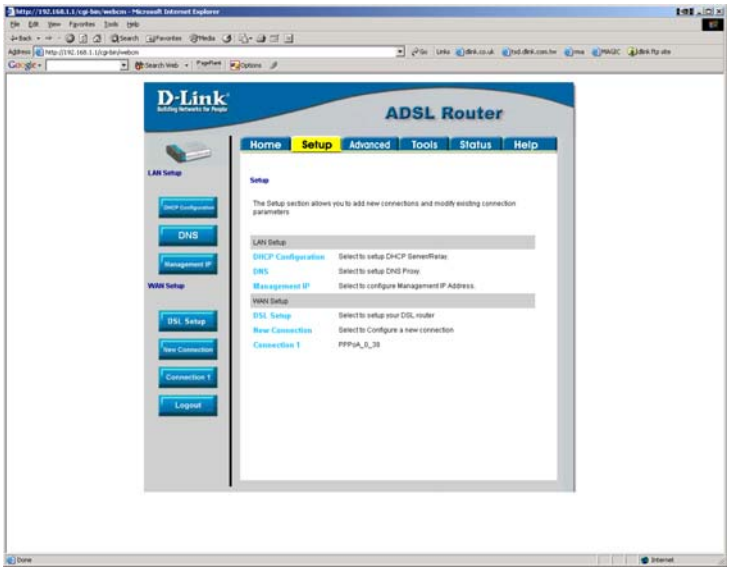


The default USERNAME is admin and the PASSWORD is admin.
Then click on Login.

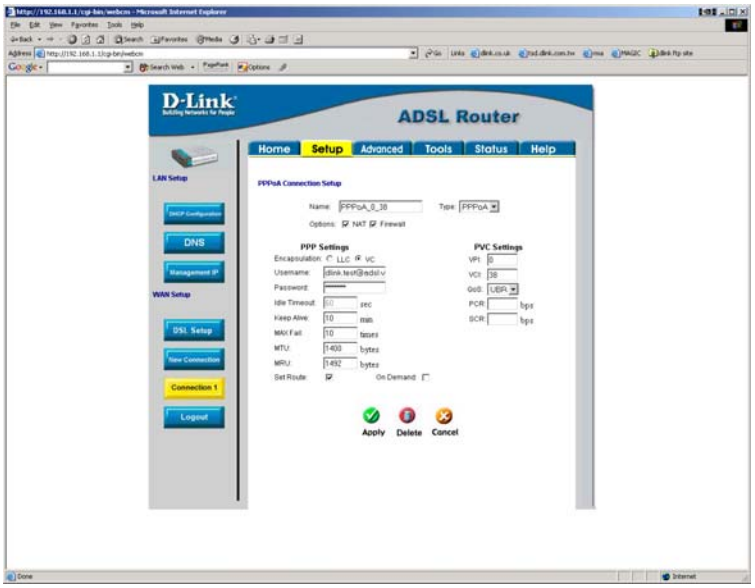
You will then be displayed with the below screen



Then Select the Setup tab



Select connection 1



The name can be anything you like. Select the type of connection that you use from (PPPoE, PPPoA, Static, DHCP, Bridge, CLIP). As most ISP's in the UK are currently using PPPoA this document will concentrate on PPPoA configuration.

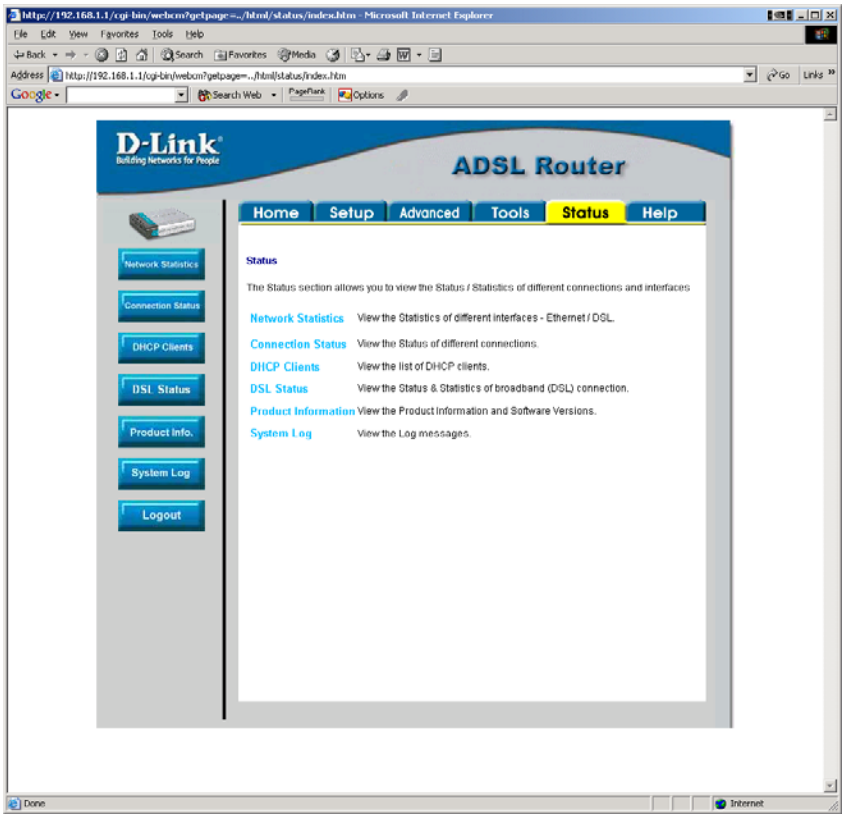
Tick the NAT and FIREWALL checkboxes

PPP Settings
Set encapsulation to VC
Enter your Username and Password
You do not need to change the Keep Alive and MAX Fail values from the default.
You may need to change the MRU/MTU depending on what the ISP can support. Please refer to you ISP for this value.
Select the set route option

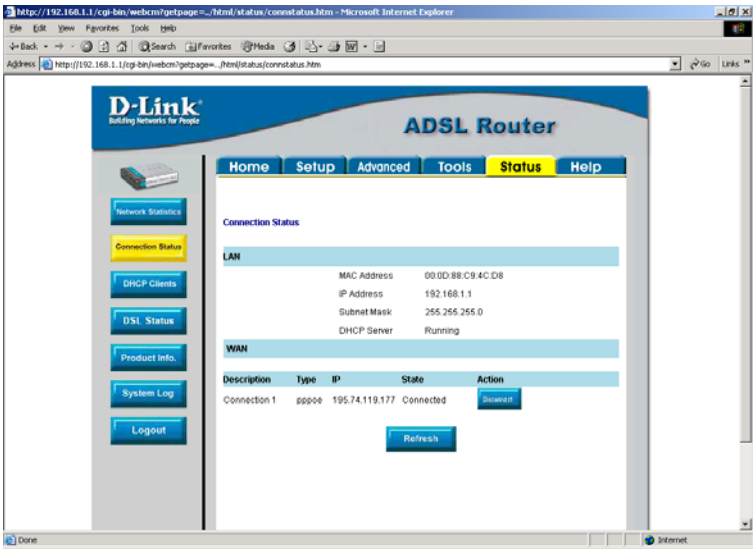
PVC settings
VPI 0
VCI 38

Click on apply.

Then go to the Status tab.

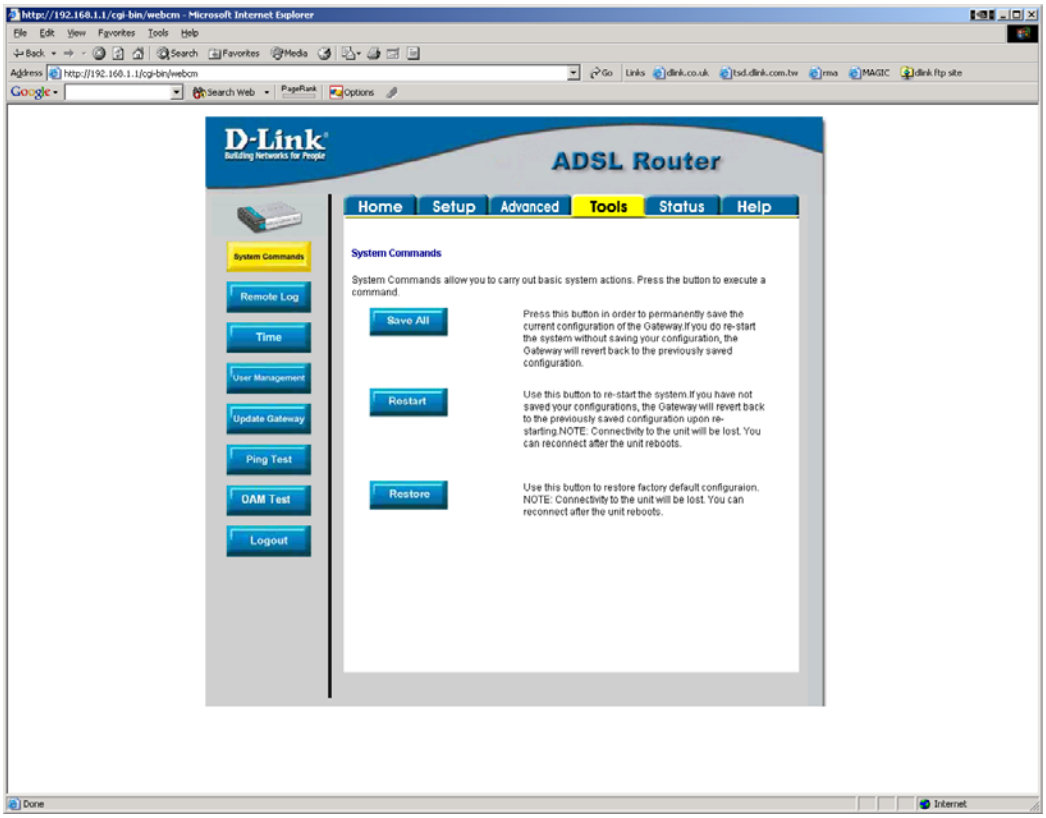


Then click on Connection status.



Under the Wan section it will show you your connection information. Your configuration is now complete and you should be able to browse the web.

Then click on tools and system commands, you will get the below screen.



Click on Save all, so that the configuration is saved on the unit. Then click back and restart. If you ever need to power off the unit then the configuration will come back. If you do not save the settings when the unit is powered of the settings will be lost.

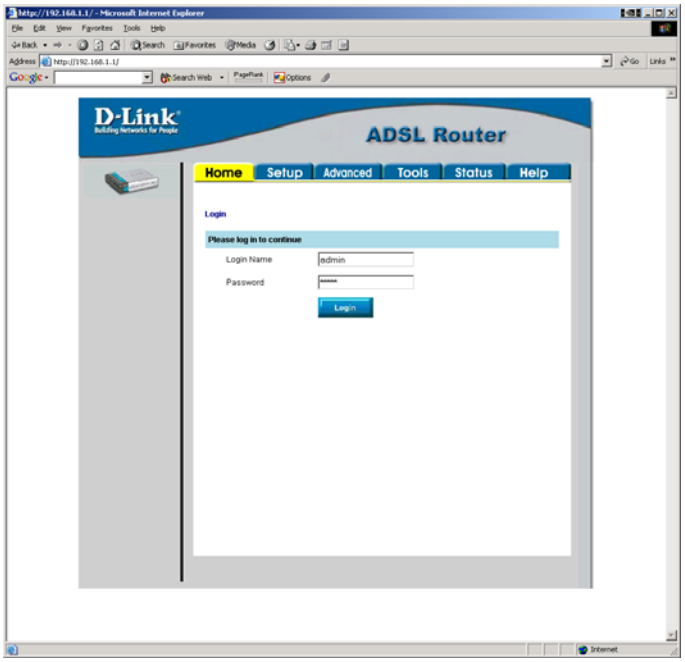
DSL-504T Internet connection with No NAT

DSL-504T F/W-V1.00B02T02.UK.20040427

The default IP address for the router is 192.168.1.1

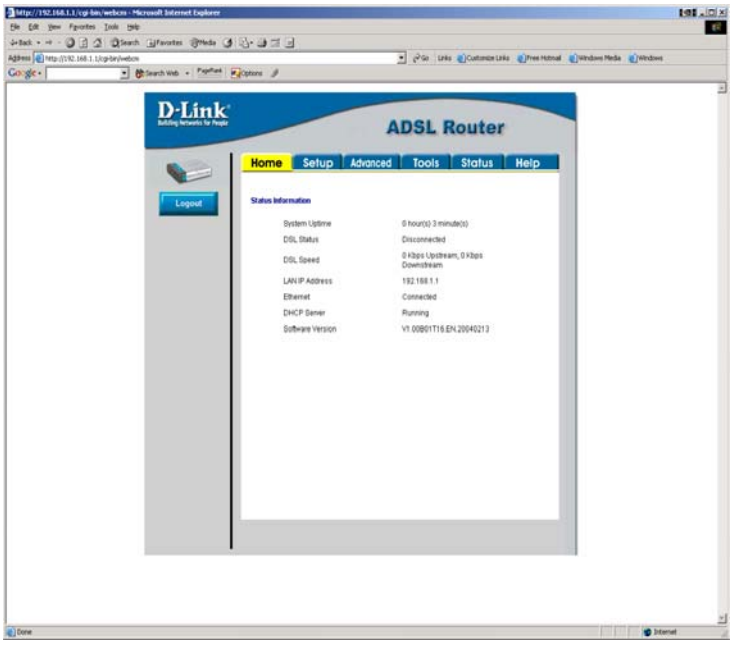
Open up Internet explorer and enter the IP address of the router.

You will be displayed with the below screen.

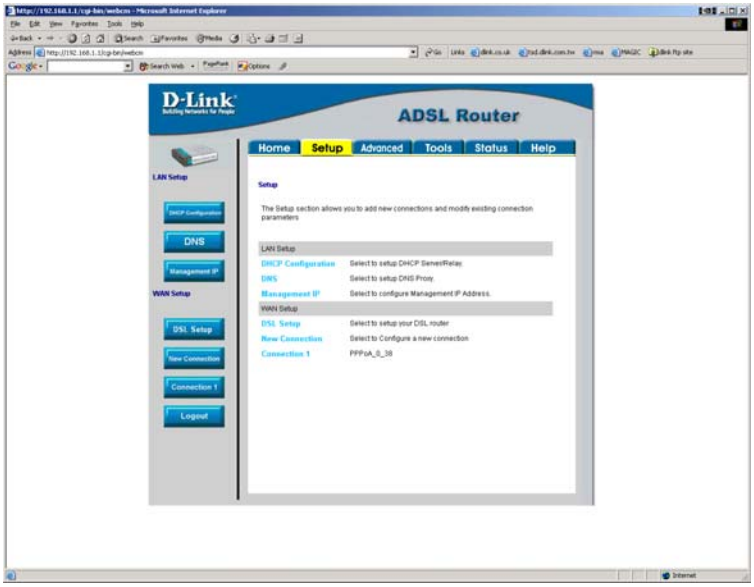


The default USERNAME is admin and the PASSWORD is admin.
Then click on Login.

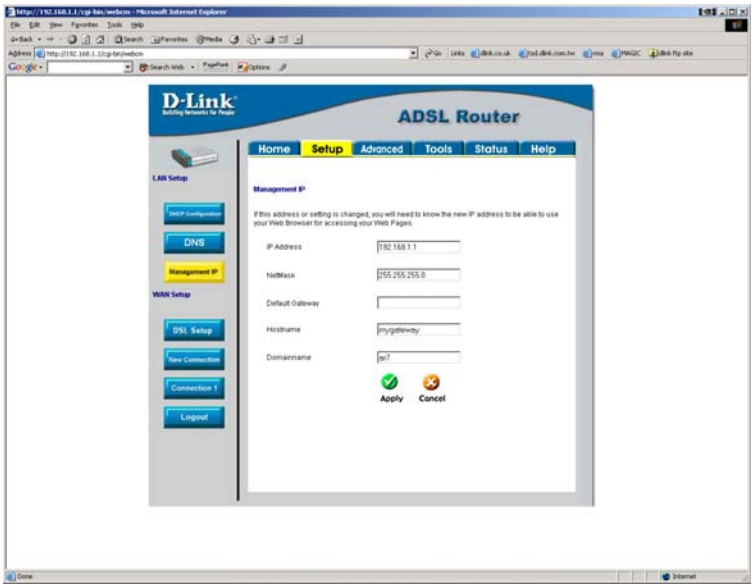
You will then be displayed with the below screen



Then Select the Setup tab



Select management IP

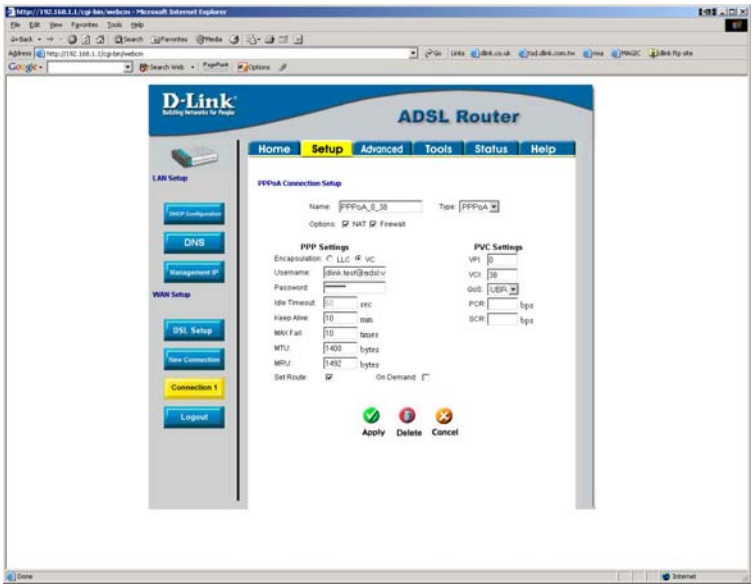


Enter the IP address and a subnet mask provided by your ISP and click Apply.

If your pc has got a dynamic IP address then you may need to release and renew the IP address if it has not renewed automatically. If the pc has got a statically assigned IP address then you will need to change the address to an IP address in the same range as what the ISP has provided you. I.E If the ISP has given you 195.74.119.177-180 then you can give the pc an IP address of 195.74.119.178, set the gateway to the IP address of the router.

Then access the router using the new management IP address. Login

Select setup connection 1



The name can be anything you like. Select the type of connection that you use from (PPPoE, PPPoA, Static, DHCP, Bridge, CLIP). As most ISP's in the UK are currently using PPPoA this document will concentrate on PPPoA configuration.

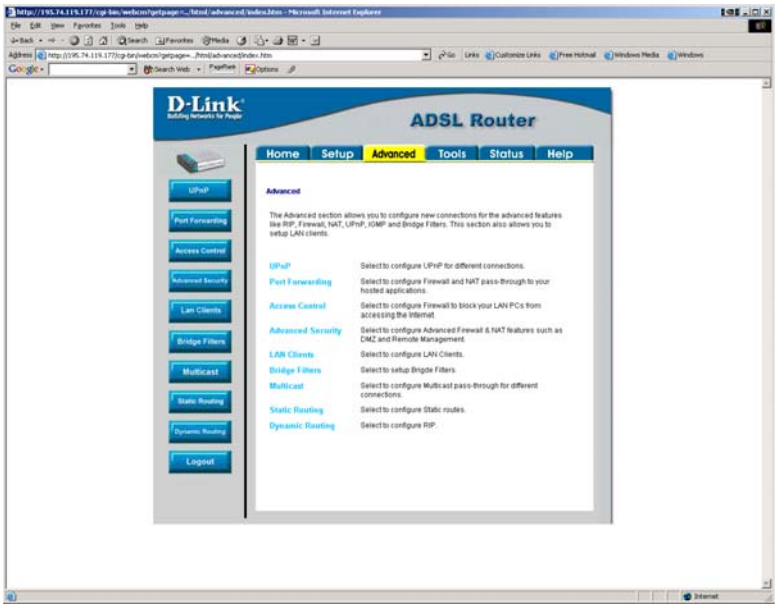
UnTick the NAT and FIREWALL checkboxes

PPP Settings
Set encapsulation to VC
Enter your Username and Password
You do not need to change the Keep Alive and MAX Fail values from the default.
You will need to change the MRU/MTU value depending on what the ISP can support. Most ISP's can support up to 1500 bytes. If you are having problems after connection i.e slow web browsing, check with the ISP what the MTU value should be.
Select the set route option

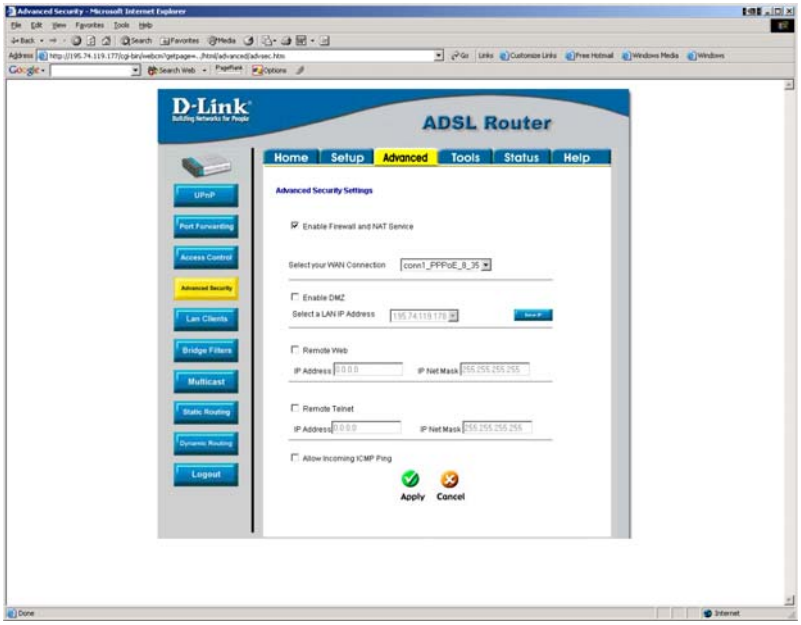
PVC settings
VPI 0
VCI 38

Click on apply.

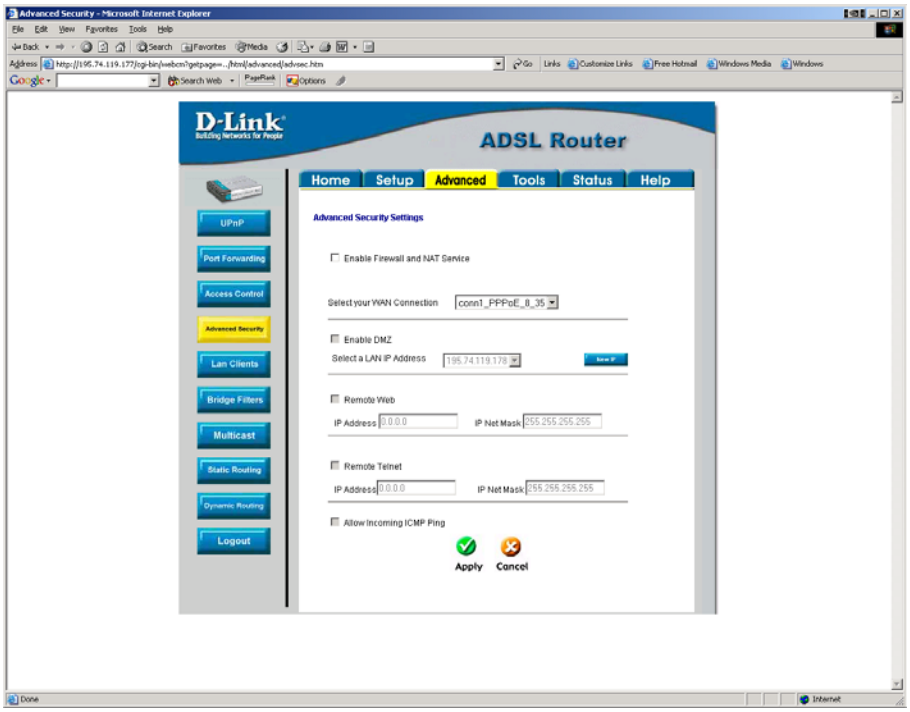
Then go to advanced



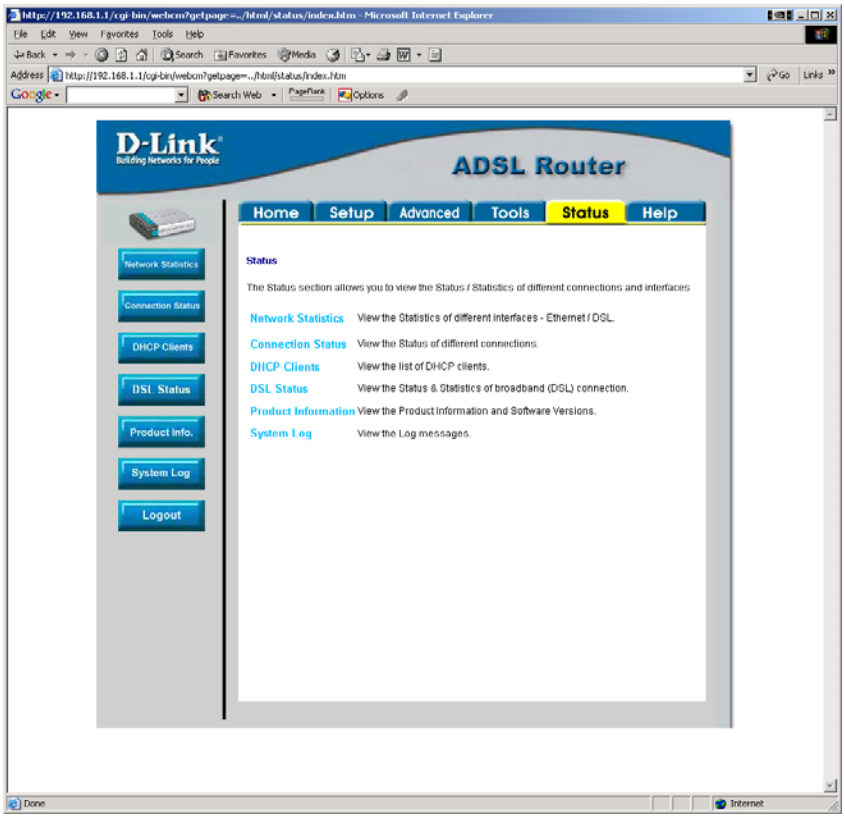
And select the advanced security option.



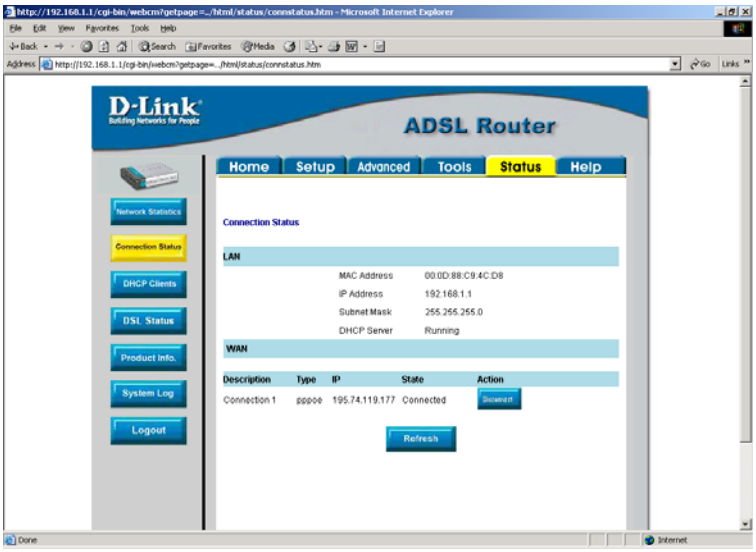
Untick the Enable firewall and NAT services box.



Then go to the Status tab.

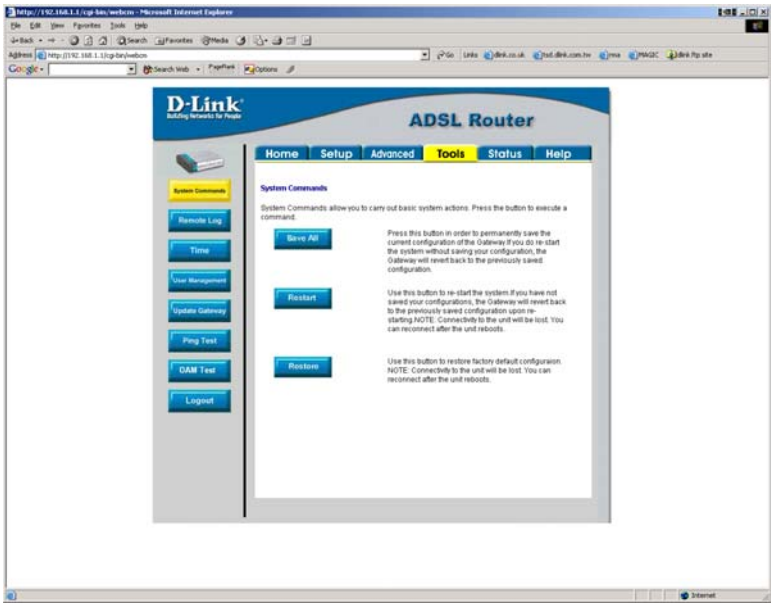


Then click on Connection status.



Under the Wan section it will show you your connection information. Your configuration is now complete and you should be able to browse the web.

Then click on tools and system commands, you will get the below screen.



Click on Save all, so that the configuration is saved on the unit. Then go back and do a restart. If you ever need to power off the

unit then the configuration will come back. If you do not save the settings when the unit is powered of the settings will be lost.

DSL-504T Port Forwarding.

DSL-504T F/W-V1.00B02T02.EN.20040427

Web server--------DSL-504T-----------Internet----------PC
192.168.1.2 192.168.1.1(internal)
81.107.232.201(external)

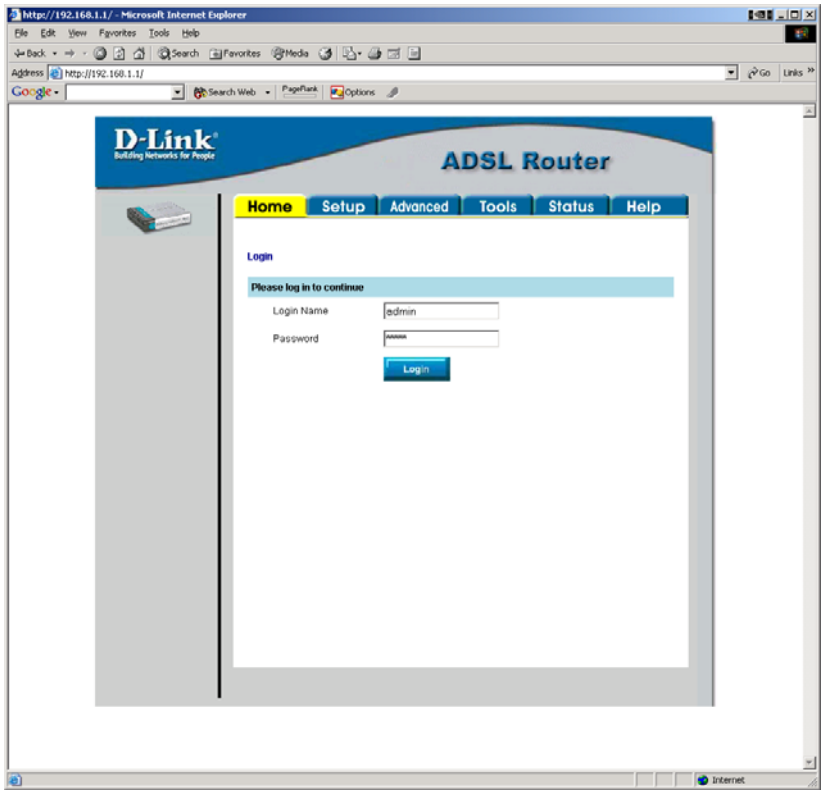
For the pc to be able to access the web server you need redirect the port 80 for web traffic to the local IP address of the web server.

So when the pc enters 81.107.232.201 into the web browser the web site being hosted on 192.168.1.2 is displayed.

The default IP address for the router is 192.168.1.1

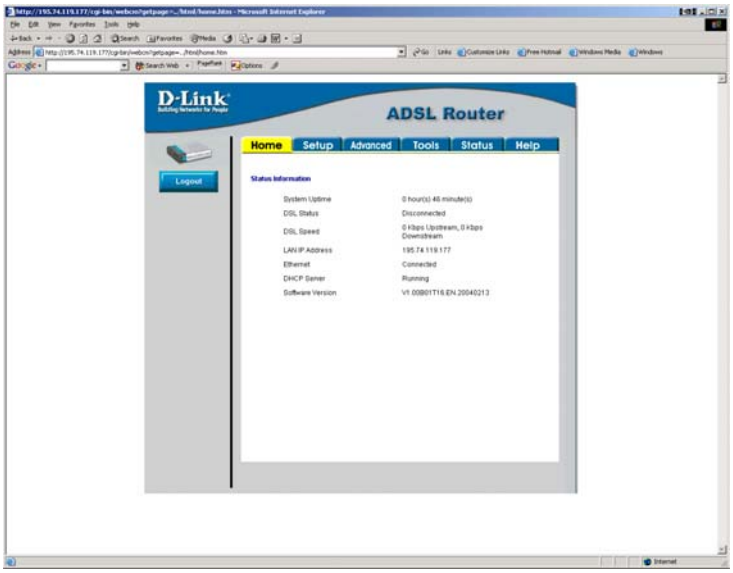
Open up Internet explorer and enter the IP address of the router.

You will be displayed with the below screen.

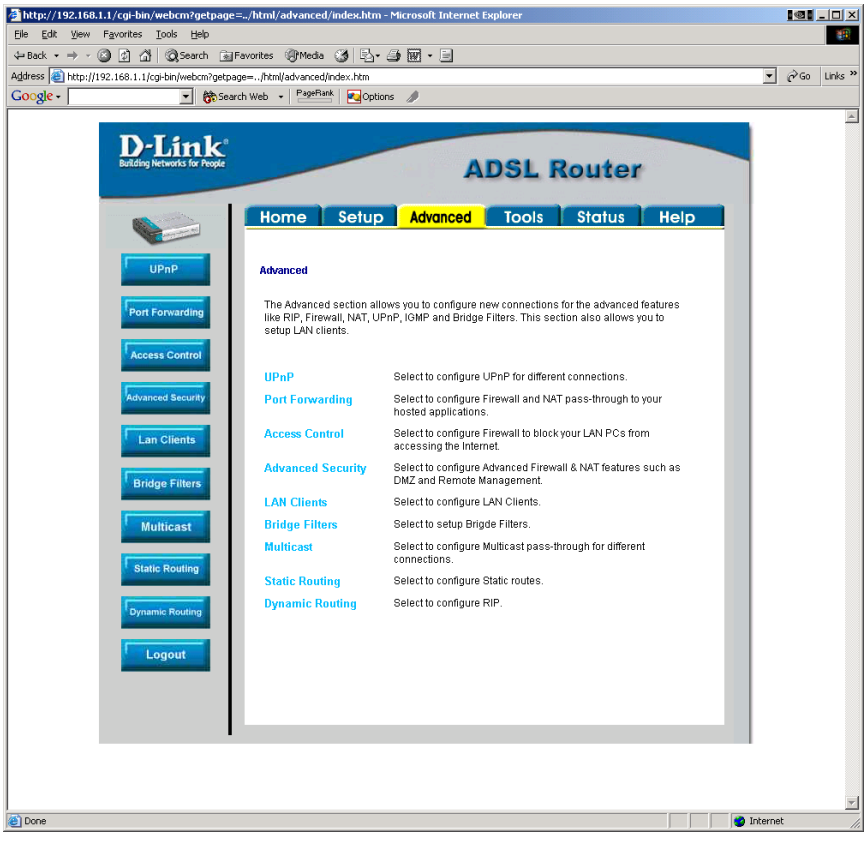


The default USERNAME is admin and the PASSWORD is admin.
Then click on Login.

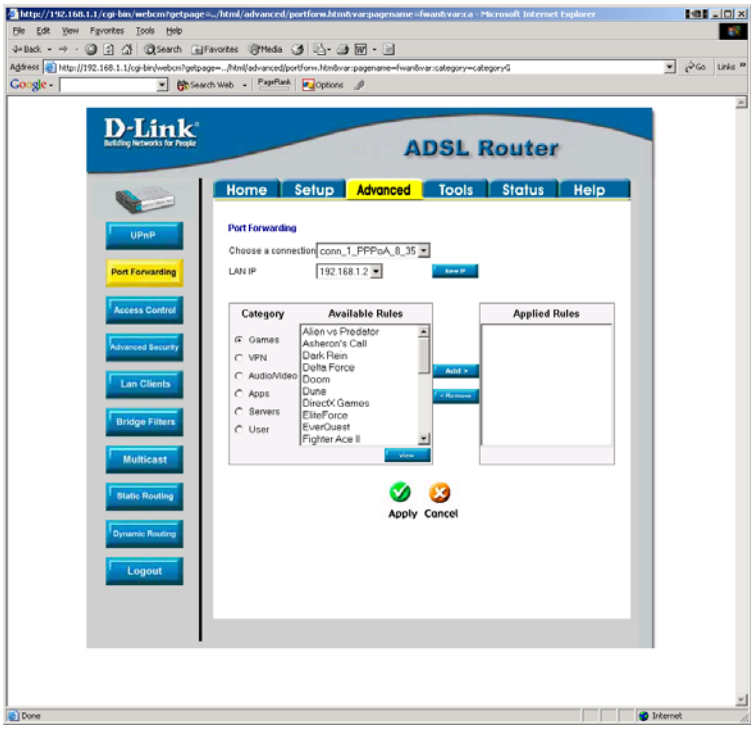
You will then be displayed with the below screen



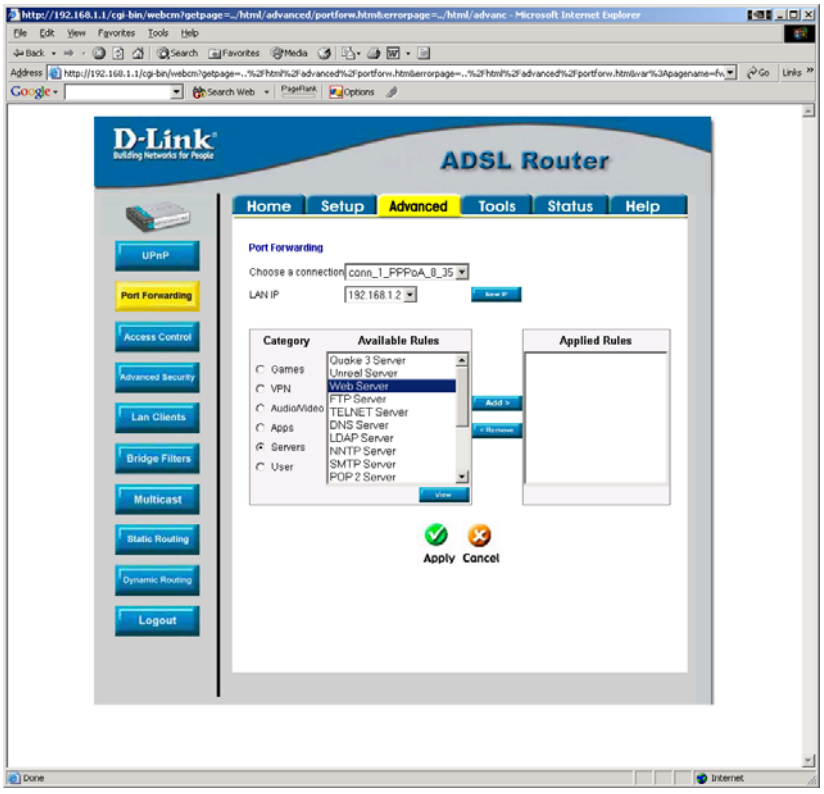
Then Select the Advanced tab



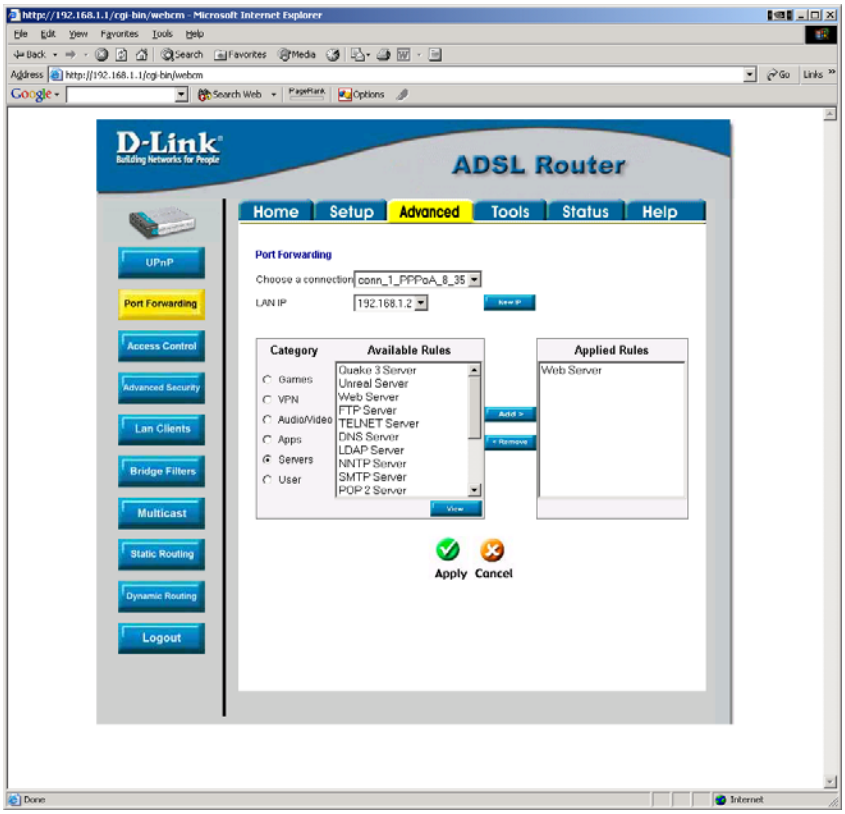
Select Port Forwarding.



Choose an active connection and select the LAN IP of the server so in the above example 192.168.1.2.
Then Select servers and you will get the below screen.

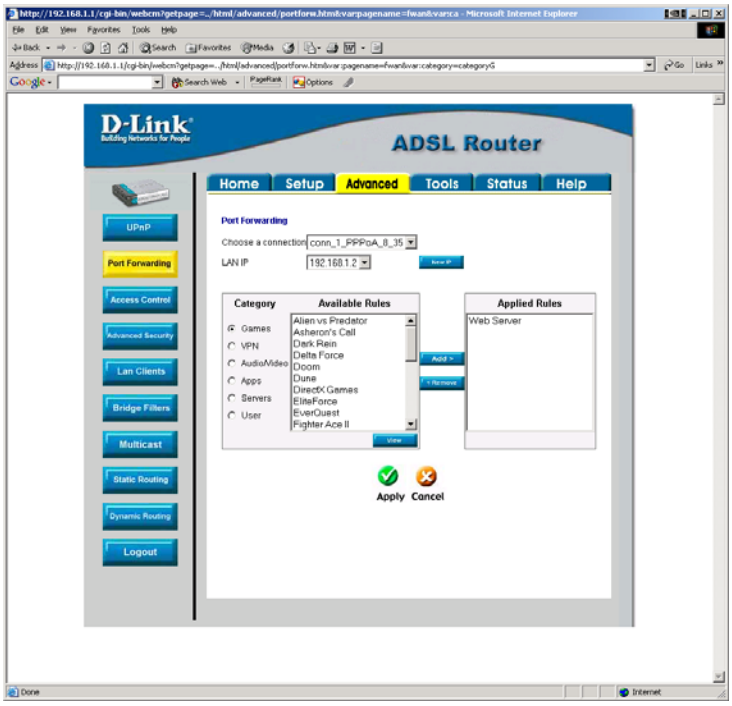


Select the web server and click on Add

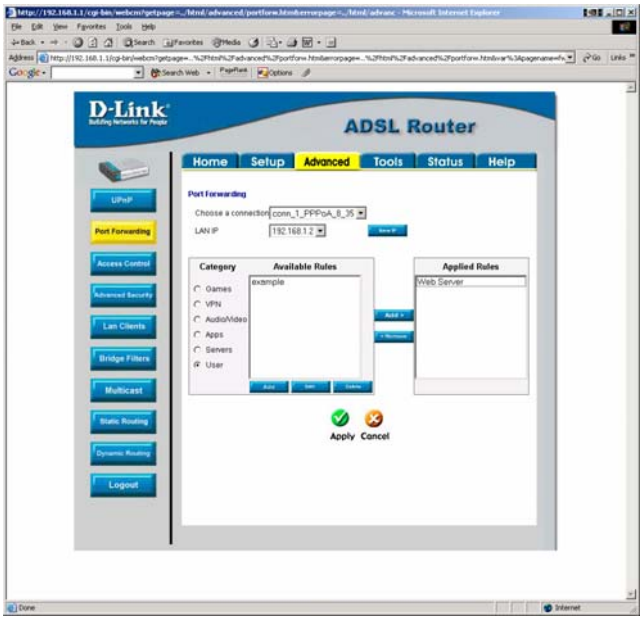


Click on apply.

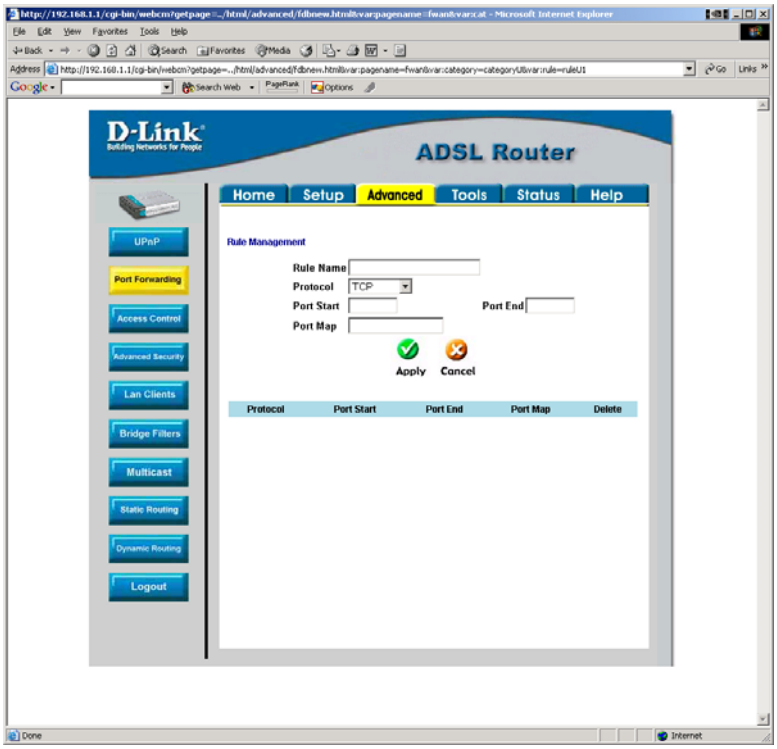
Then click on the port forwarding it will show the applied rules for the selected pc's.



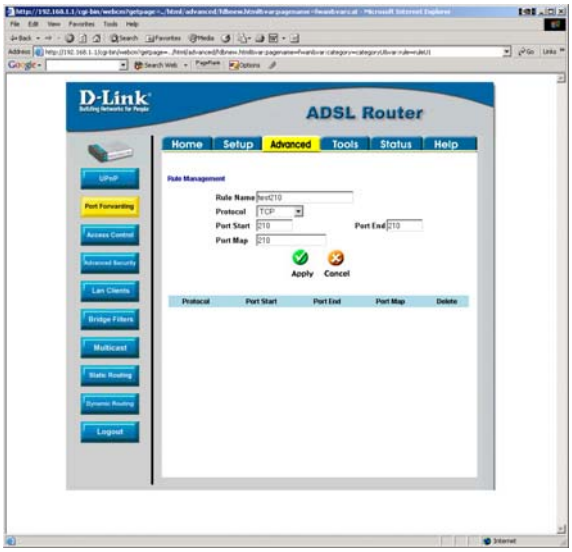
If you would like to forward other ports than the ones that are pre configured for you. You can use the User option.



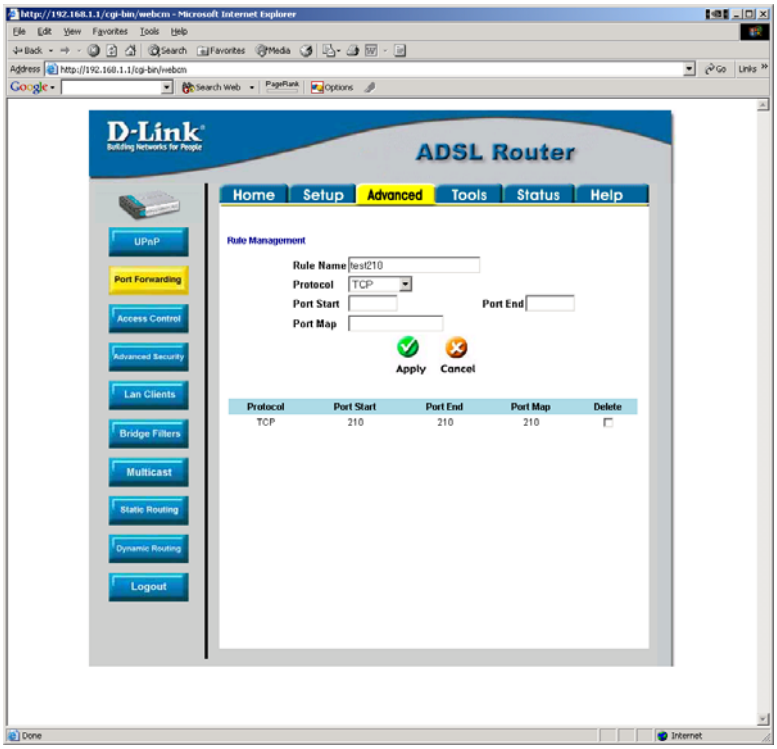
Select add



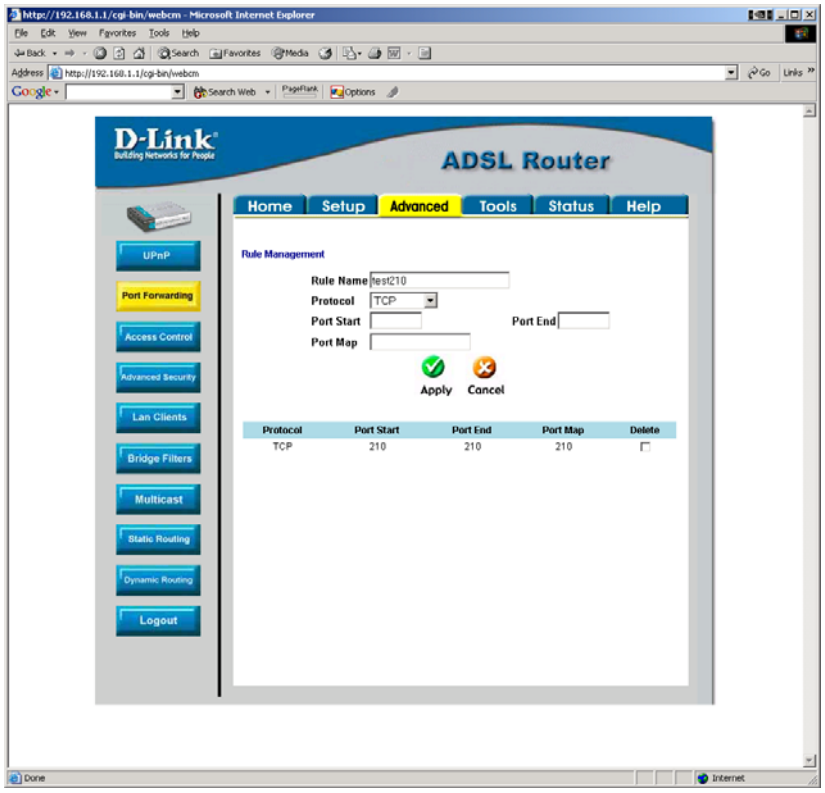
The rule name can be anything.
For the Protocol the options are TCP,UDP, TCP and UDP.
Port Start is the start port number in a range of ports
Port end is the end port number in a range of ports
If you need to redirect only one port then keep the start and end ports as the same. I.e. 210 and 210
Set the port map to the start port or to the end port.



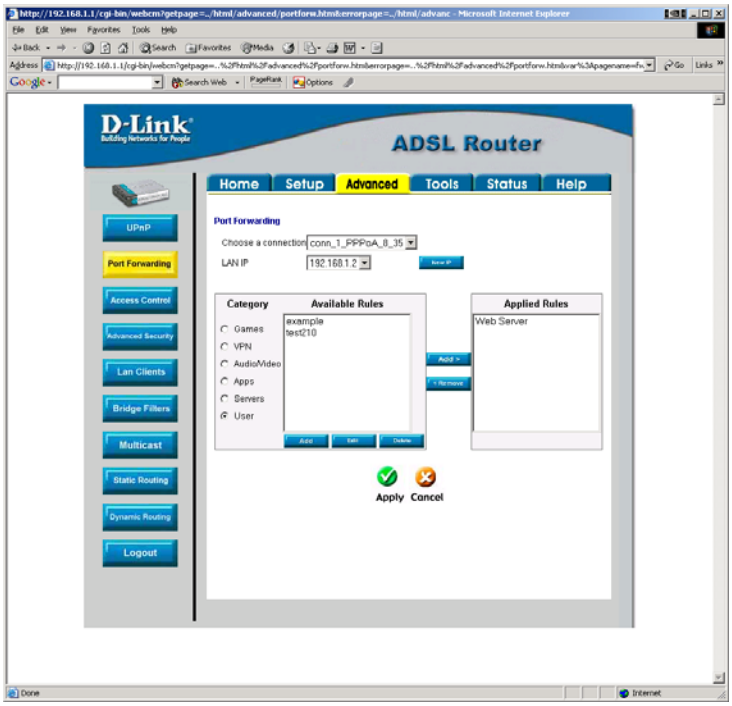
Click Apply



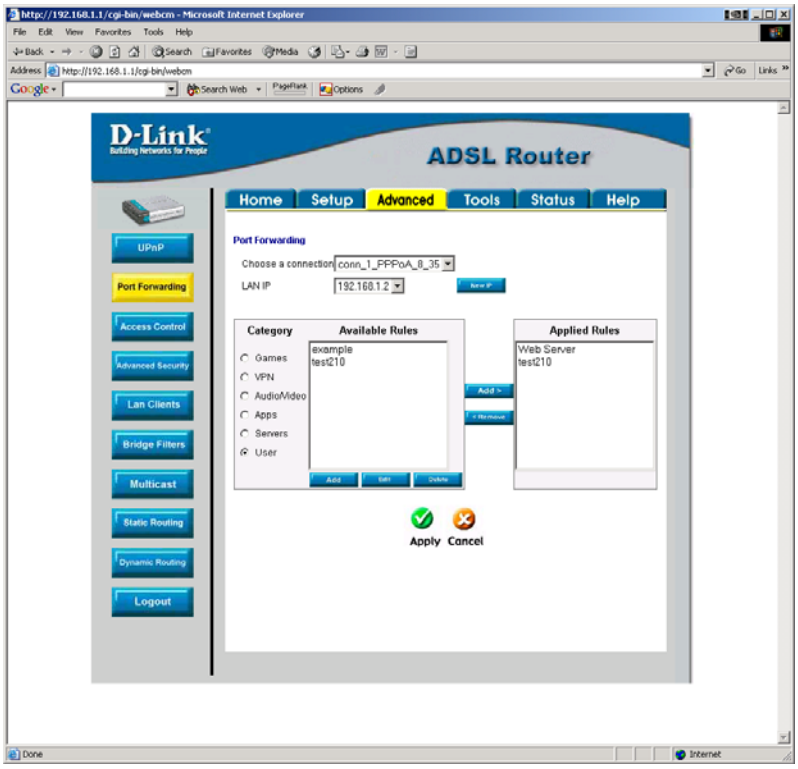
To show that it has been added it will be displayed at the bottom.



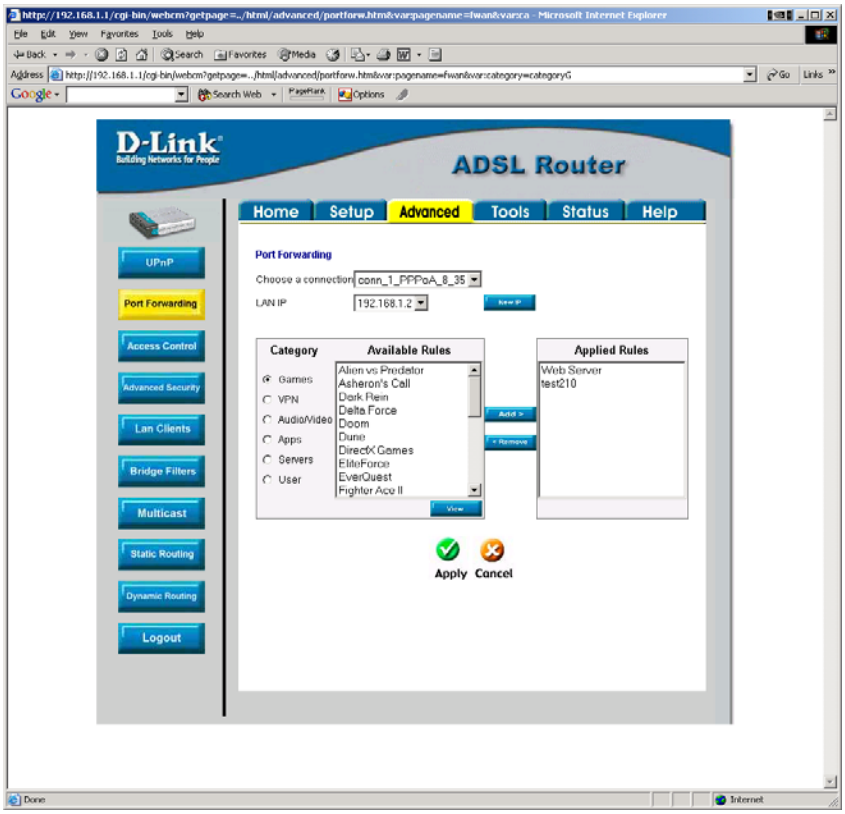
Then click on port forwarding -> user



Select the newly created rule and click on add so it comes up as below



Then click on apply then click on port forwarding and the below screen is displayed.

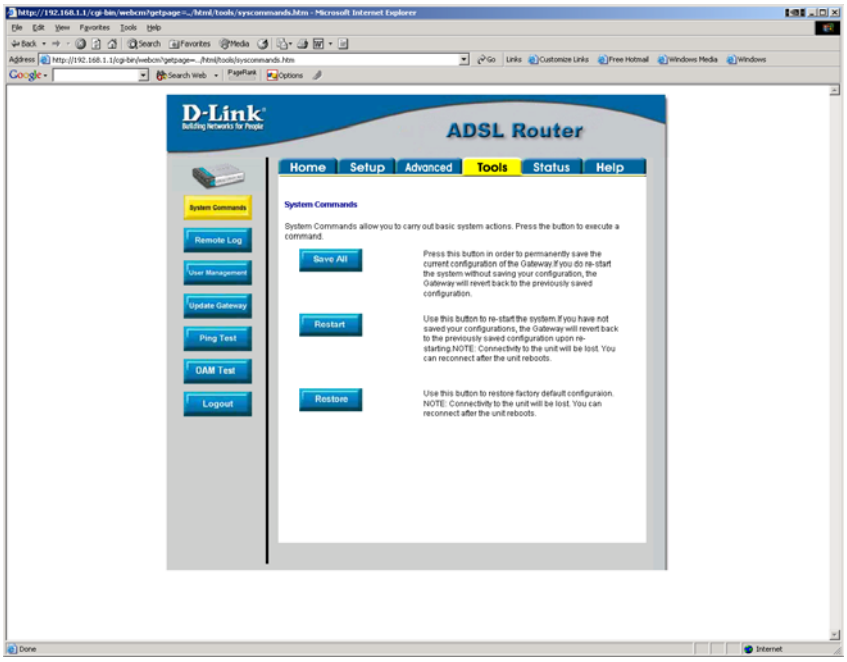


There are 2 rules setup for pc with ip of 192.168.1.2 one for the webserver and the other for test210.

To confirm if the port forwarding is working you can check on http://www.grc.com
And go to shields up.
This will show up ports that are being blocked as Stealth and ports that are being redirected to a non existent server as closed and ports that are being redirected to a valid server as open.

Once you have set up all the ports

Then click on tools and system commands, you will get the below screen.

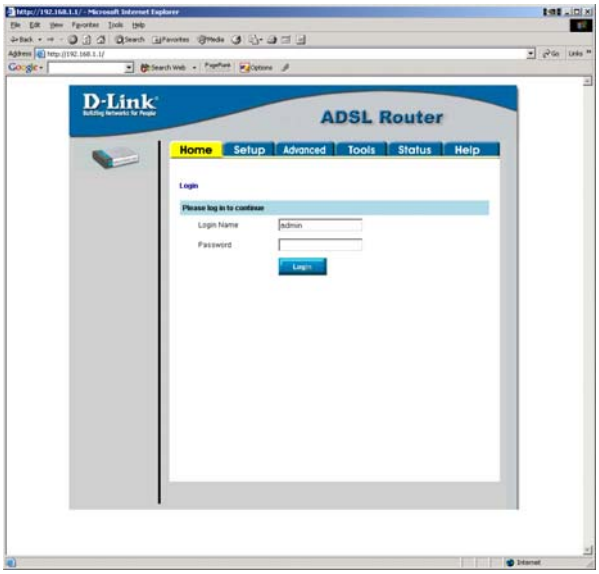


Click on Save all, so that the configuration is saved on the unit. Once the configuration is saved then go back and do a restart. If you ever need to power off the unit then the configuration will come back. If you do not save the settings when the unit is powered of the settings will be lost.

DSL-504T Filtering and Firewall.

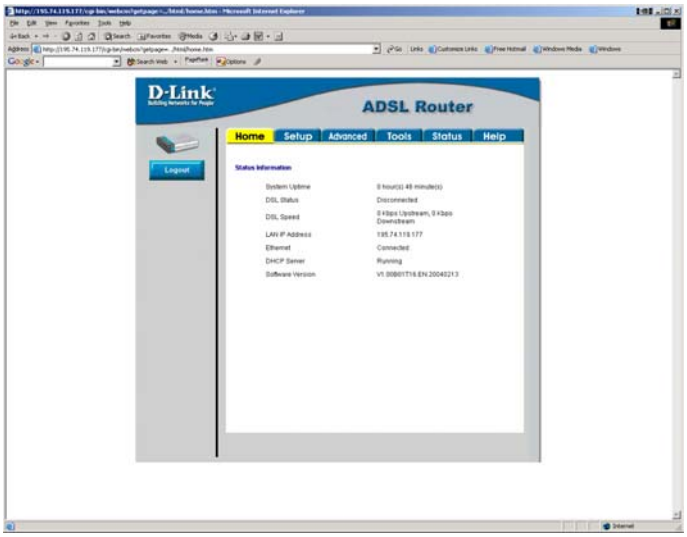
DSL-504T F/W-V1.00B02T02.UK.20040427

- Access control
- DMZ
- Allow Incoming ICMP ping



Login into the unit using the Default Username and password of admin and admin respectively
Click On Login

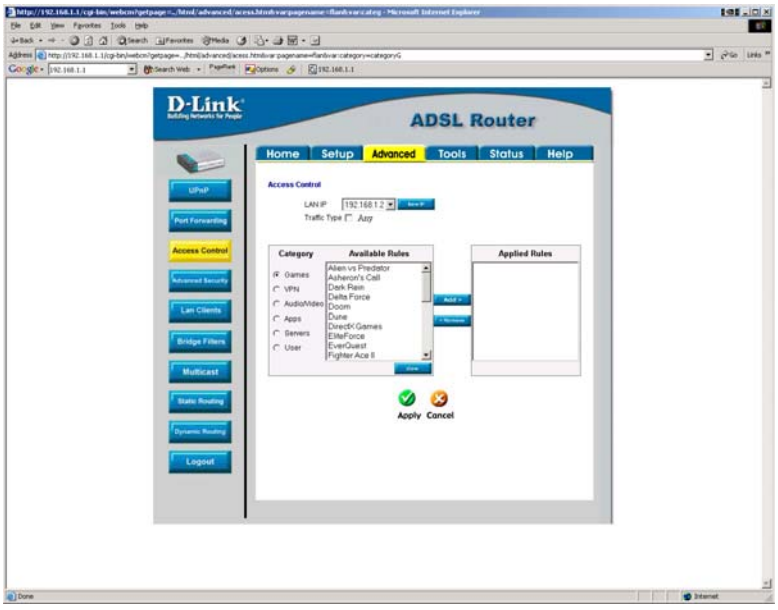
The below screen will be displayed.



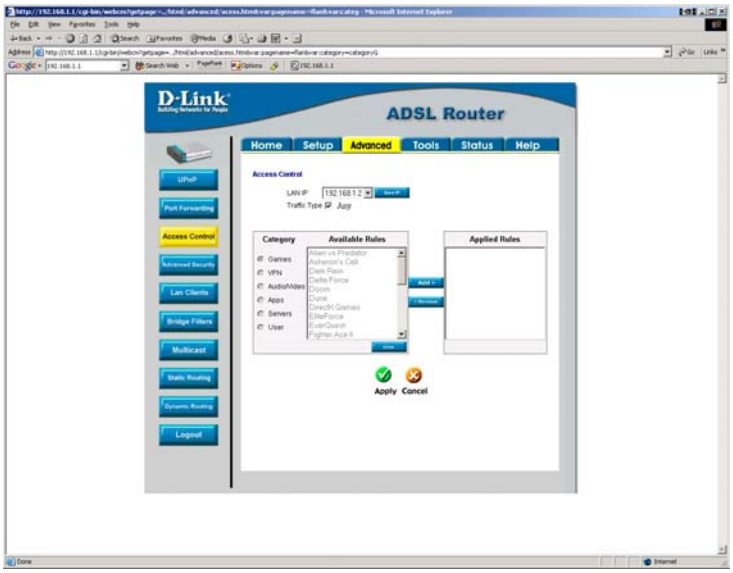
Access Control

This will allow you to restrict access for a pc on the network to all or particular services.

Click on Advanced and then access control and you will get the below screen.



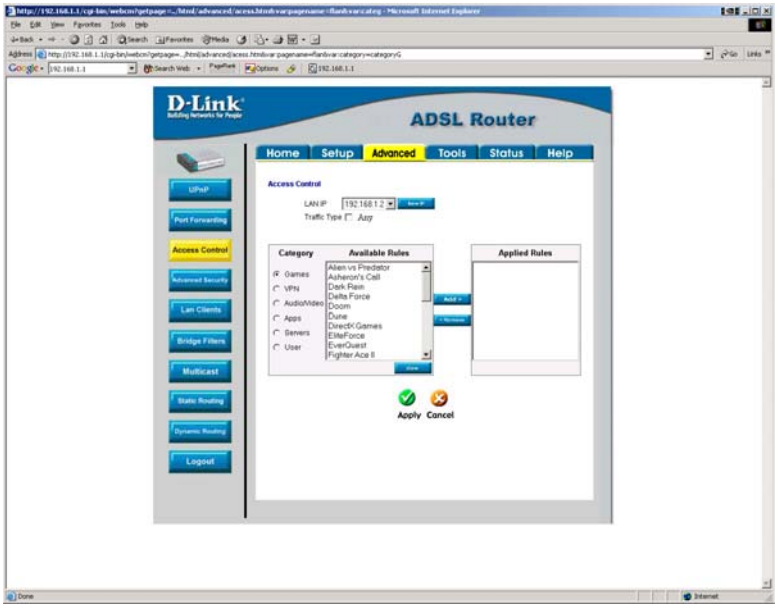
If you want to restrict access for all services for a particular pc then select the pc's IP address and select traffic type any so the screen will be as below.



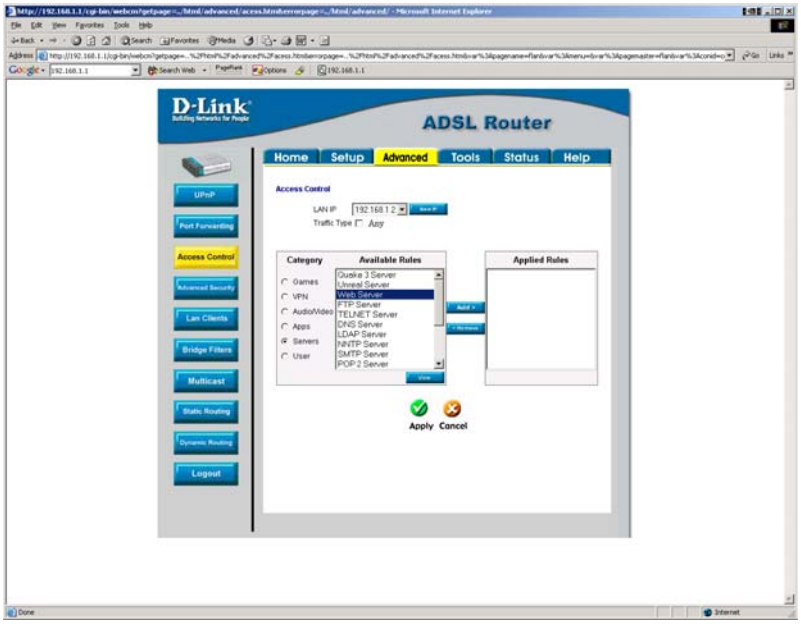
And click on apply.

To restrict access to a particular service for a pc.
To block access for a pc with an IP address of 192.168.1.2 to web.

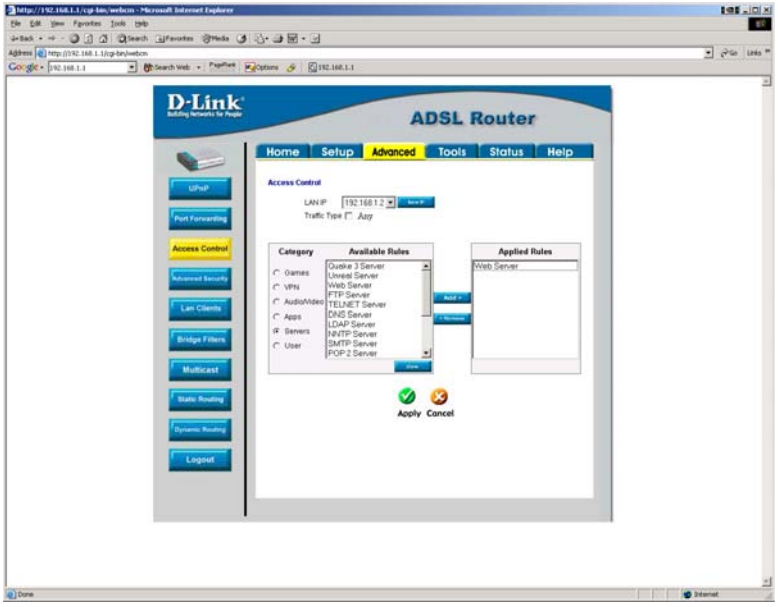
Click on Advanced and then access control and you will get the below screen.



Set the LAN IP to the IP address of the pc so in the above example 192.168.1.2
Select the Servers category and you will get the below screen



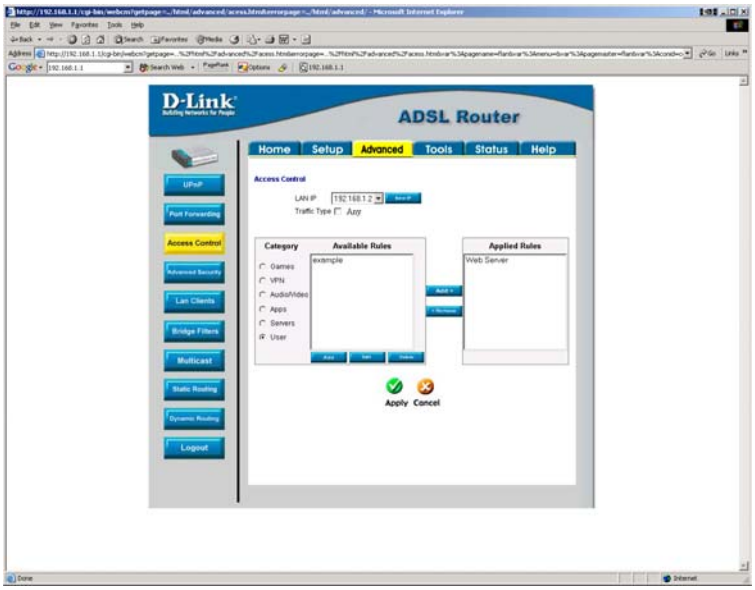
Select the web server and click on add so the rule is then listed under applied rules as below



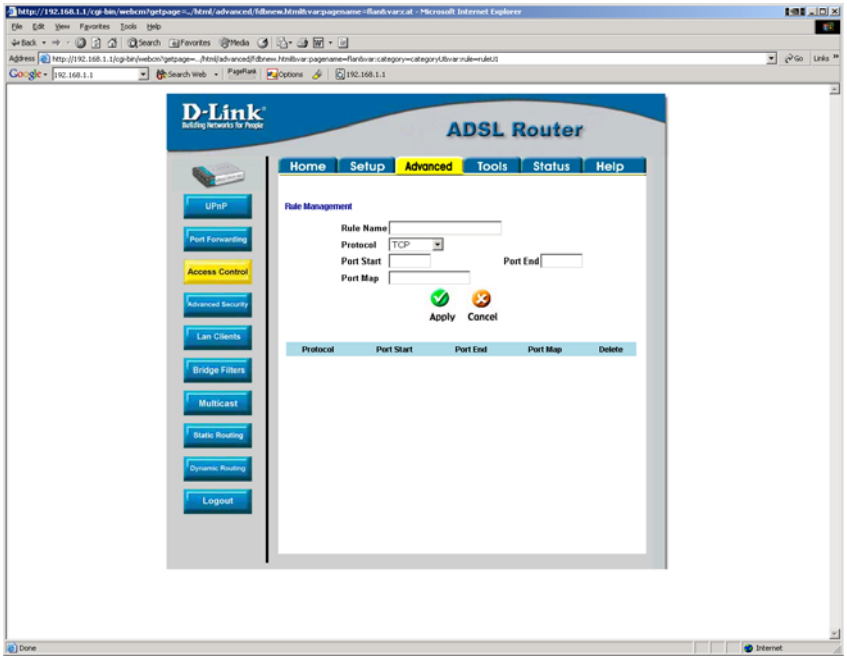
Click on apply.

The pc with an IP address of 192.168.1.2 will not be able to browse to websites that use port 80. if the websites use different port numbers they will be able to access those.

You can also restrict access to other not listed services. Select the user option



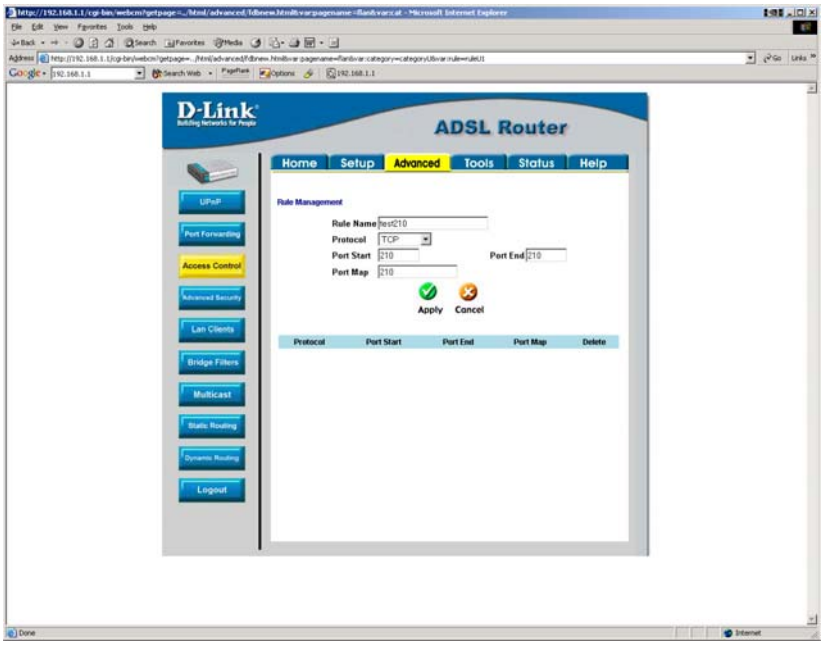
Select add and you will get the below screen



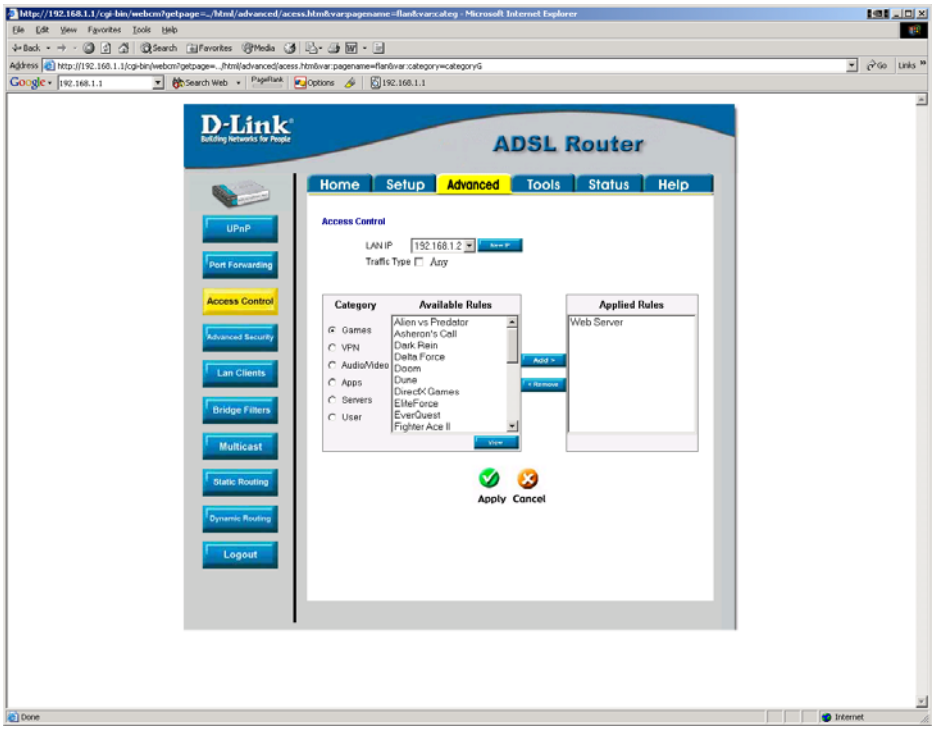
The rule name can be anything.

For the Protocol the options are TCP,UDP, TCP and UDP.
Port Start is the start port number in a range of ports
Port end is the end port number in a range of ports
If you need to redirect only one port then keep the start and end ports as the same. I.e. 210 and 210

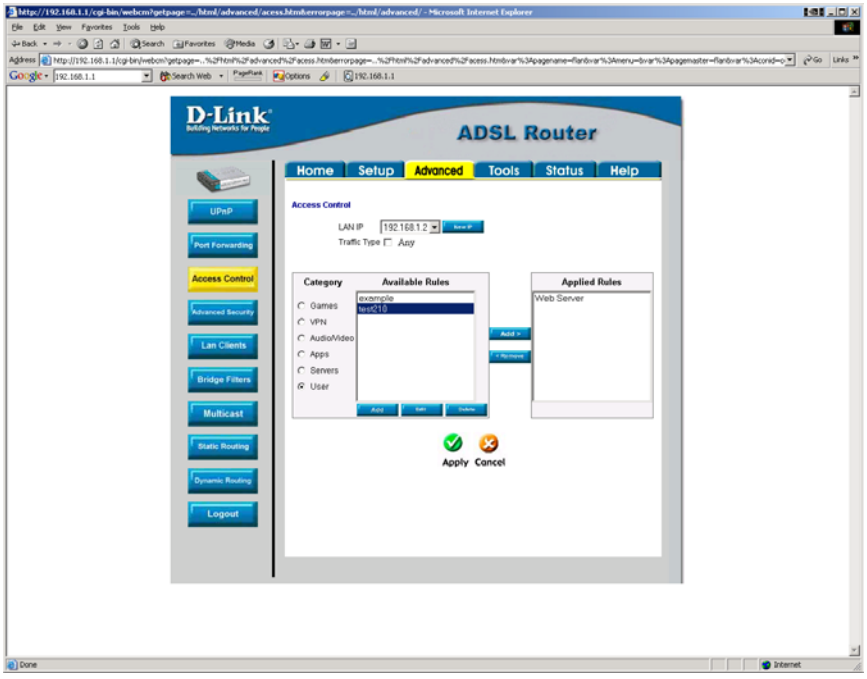
Set the port map to the start port or to the end port.



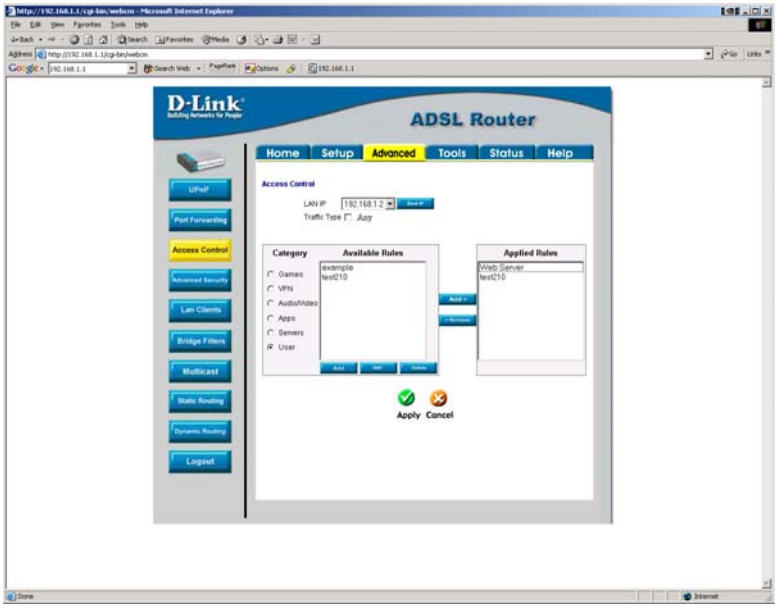
Click on apply then click on access control and you will get the below screen.



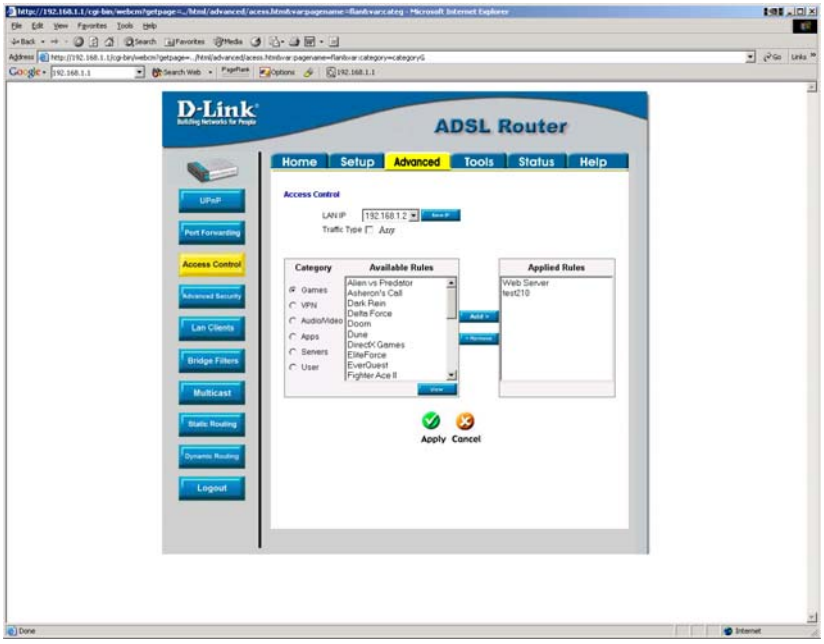
Click on the user category and you get the menu below



Select the rule that we added and click on the add option in the middle so that it comes up in the applied rules as below.



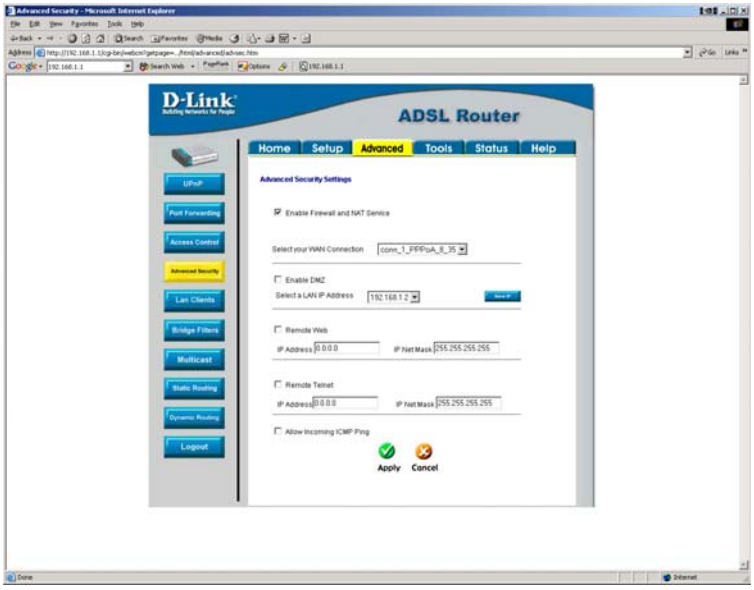
Then click on apply. If you then click on access control you will see that the rule has been applied to the pc.



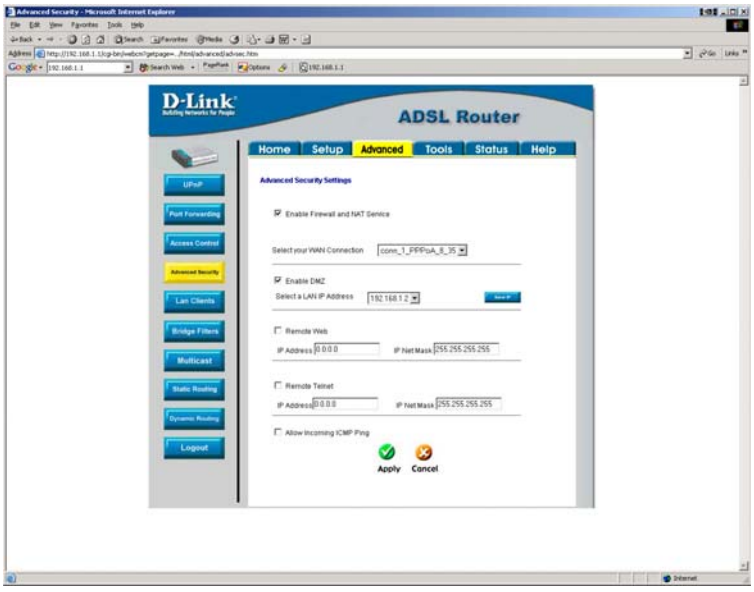
The pc will not be able to use any service that uses port 210.

DMZ setup

Click on advanced and advanced Security



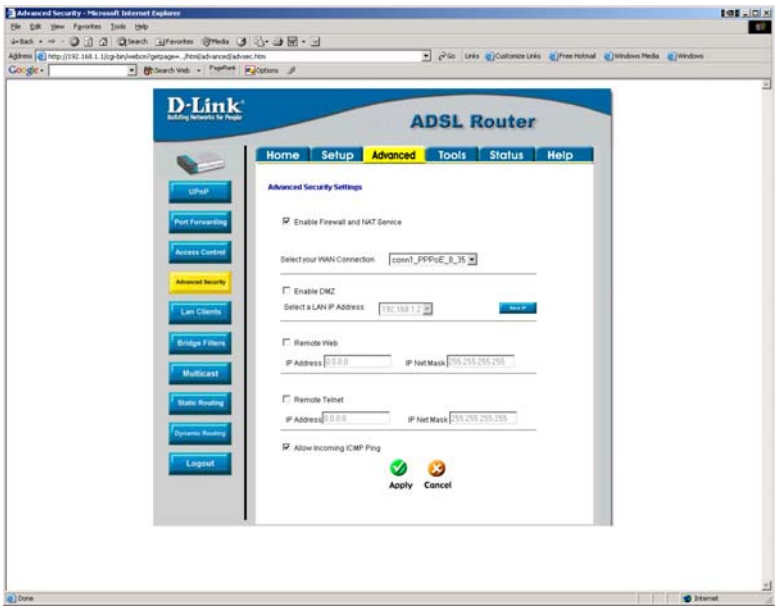
Tick the enable DMZ and select the IP address of the pc that you need to put into the DMZ.



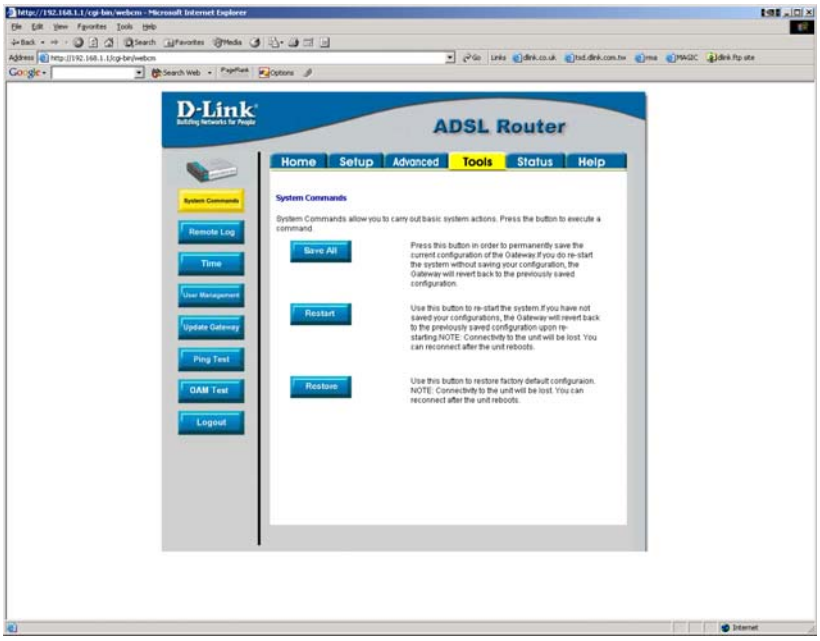
The above shows that the pc with an IP address of 192.168.1.2 is in the DMZ.

Allow Incoming Ping

By default the Incoming ping is blocked.
If you would like to allow incoming ping go to advanced and advanced security and tick allow incoming ICMP ping.



Then click on tools and system commands, you will get the below screen.



Click on Save all, so that the configuration is saved on the unit. Then click on back and restart. If you ever need to power off the unit then the configuration will come back. If you do not save the settings when the unit is powered of the settings will be lost.

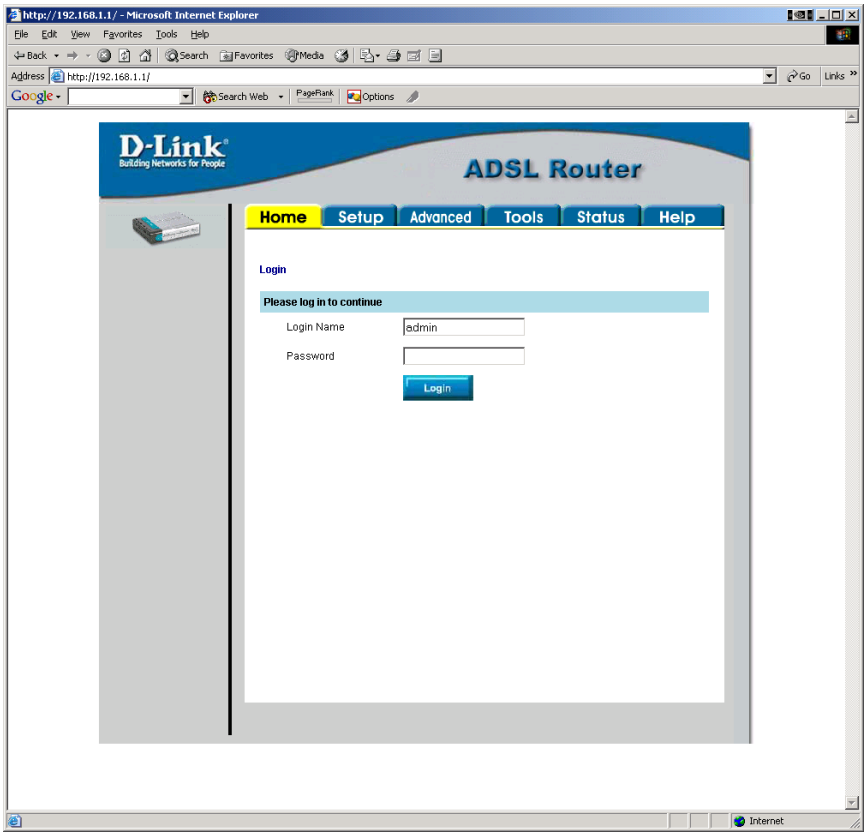
DSL-504T Factory reset.

DSL-504T F/W-V1.00B02T02.UK.20040427

There are 2 methods of performing a factory reset on the unit.

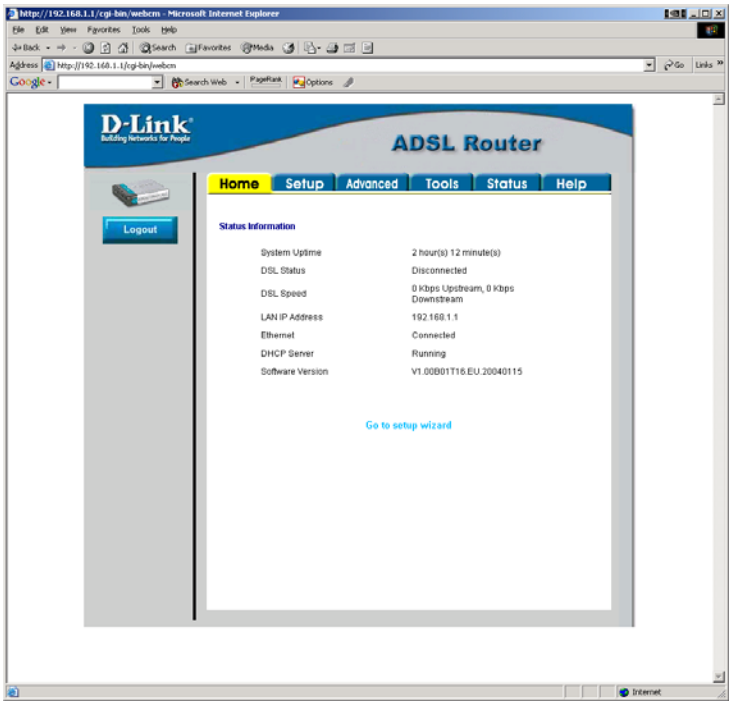
1) Through the web management
2) Using the reset button on the unit.

To perform the reset through the web management go to



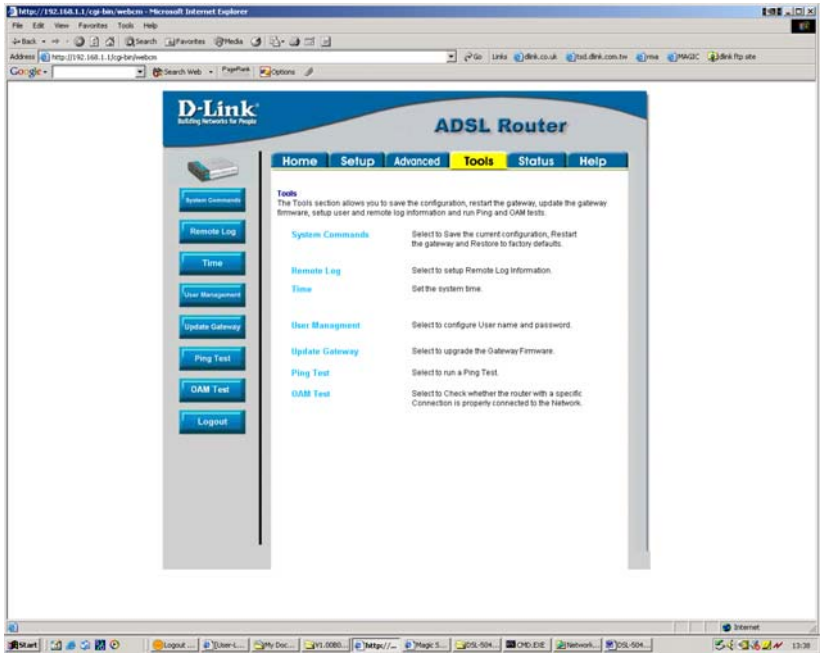
Login into the unit using the Default Username and password of admin and admin respectively
Click On Login

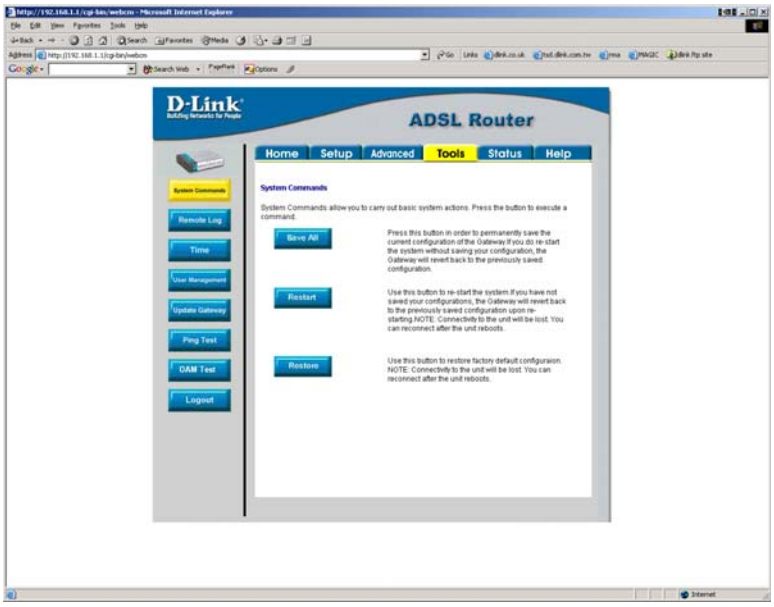
The below screen will be displayed.



Click on tools

Then select System Commands. And you will get the below screen





If you then click on Restore it will set the unit to factory defaults.

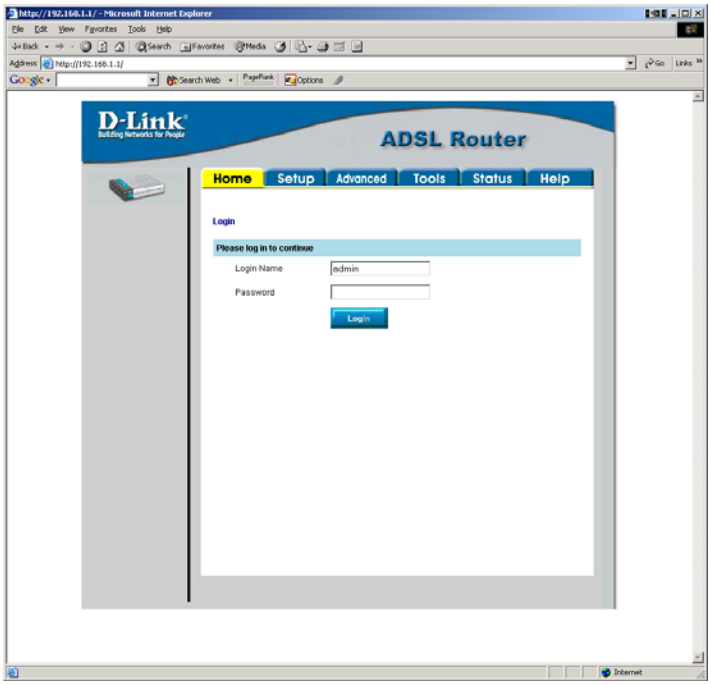
Setting unit to factory defaults by using the reset button.

Hold down the reset button with a paper clip and keep an eye on the status Led on the front of the unit.
When the status led goes off release the reset button and after about 20 seconds the led will come back on
And then you should be able to access the router using the default IP address.

How to Firmware update

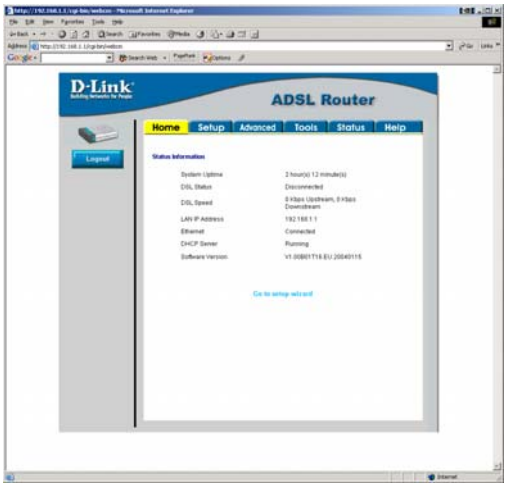
DSL-504T F/W-V1.00B02T02.UK.20040427

Please Unplug your ADSL cable from the router before upgrading the firmware.

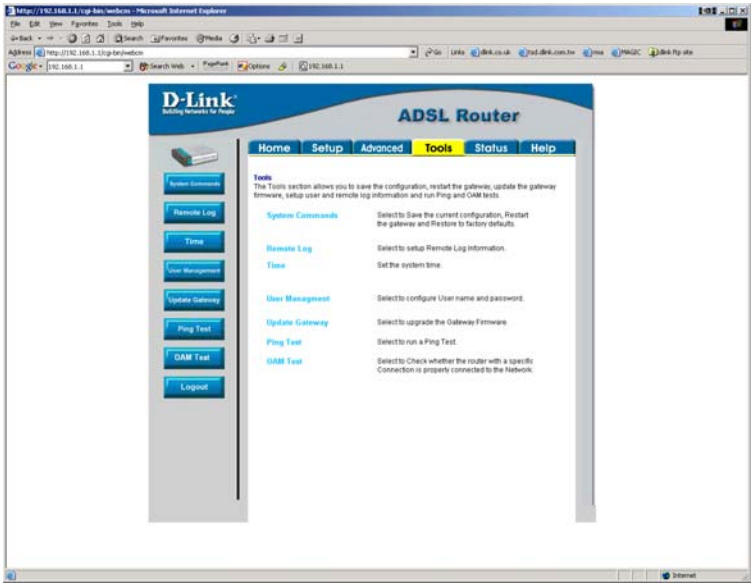


Login into the unit using the Default Username and password of admin and admin respectively
Click On Login

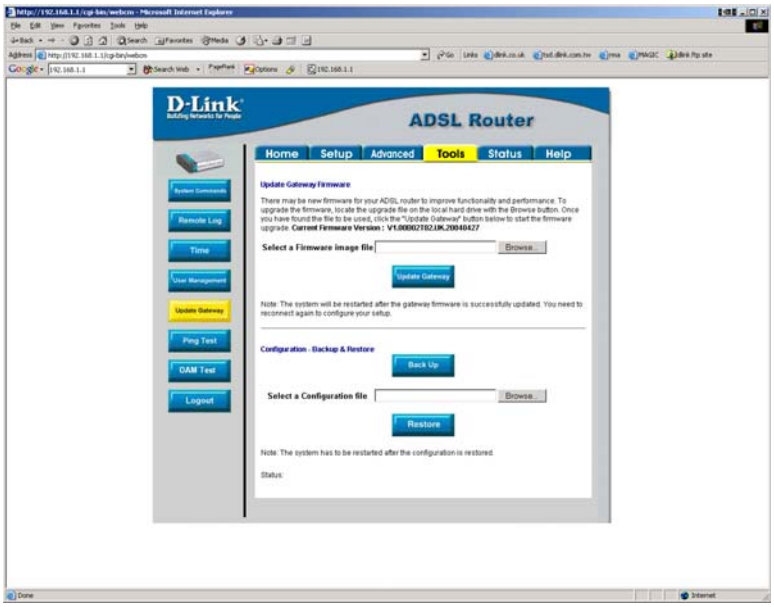
The below screen will be displayed.



Click on tools



Then select Update gateway. And you will get the below screen



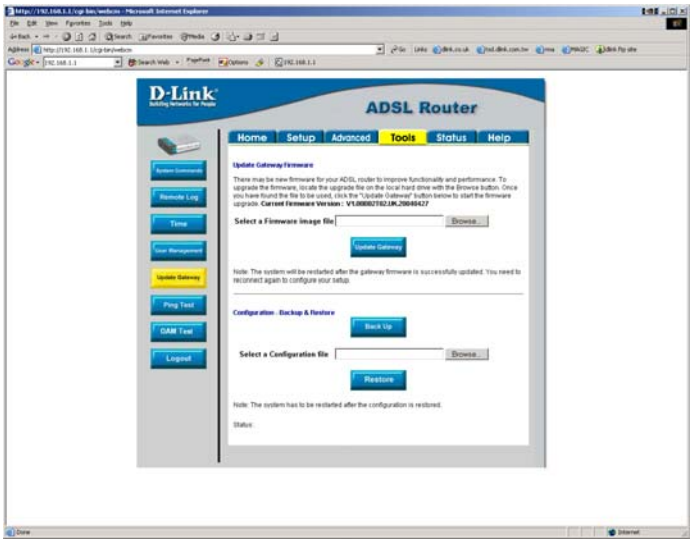
Click on browse under the update gateway firmware.

In the folder where the zip file is expanded you will get option for 2 files

1) Fs file
2) Kernel File

Select The FS file then click on update gateway. It will start copying the files across.
Once the file has gone through and the unit has rebooted login again
You now need to send the kernel file through
Once the upgrade has finished the unit will reboot.

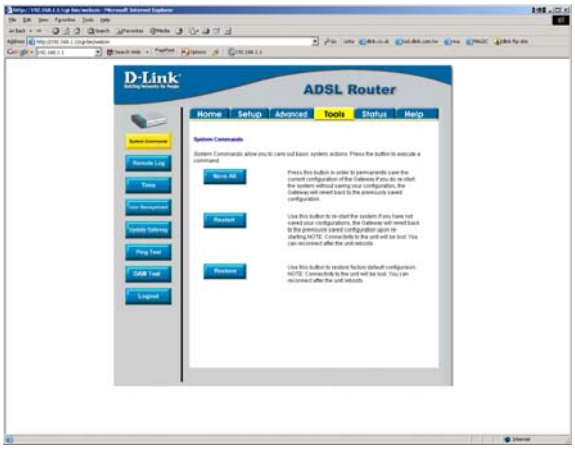
Once the unit has been rebooted and you are logged in go to Tools and update gateway.



The current firmware version should now show the new version of the firmware.

The router will need to be factory reset before use.

Then go to tools and system commands and perform a restore.



Then you can configure the router as per your requirements. Once everything is configured plug in the adsl line.