DI-804 VPN connection with another DI-804HV (This example is using Static WAN IP addresses) Date: 23 Oct 2003 Doc version: 1.0 Author: Neil Stent



DFL-600 (firmware 4.73) LAN: 192.168.0.10 255.255.255.0 WAN: 202.129.129.87 255.255.255.224 WAN gateway: 202.129.109.65 255.255.254

PC: 192.168.0.156 225.255.255.0 PC gateway: 192.168.0.10 225.255.255.0

<u>DI-804HV (firmware 1.30)</u> LAN: 192.168.1.5 255.255.255.0 WAN: 202.129.129.74 255.255.255.224 WAN gateway: 202.129.109.65 255.255.254

PC: 192.168.1.20 225.255.255.0 PC gateway: 192.168.1.5 225.255.255.0

Please note:

For any VPN you need to make sure that the LAN subnet on each location is different. As above you can see that the IP of the DFL-600 is 192.168.0.5 and the 804HV is 192.168.1.5. If you had a third location it should be 192.168.2.x etc... x being anything from 1 to 254.

## **DFL-600 Settings:**

This is the page you need to go into to change the IP, once you have change it make sure your PC has the same subnet.

Remember to Access the unit with the default IP 192.168.0.1:8081 In the below the IP was changed.

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## **DI-804HV VPN Connection settings:**





Make sure you have VPN enabled box ticked. Type in any name for the Tunnel Name Then click on the "more" button to the right of the ID "1"



Next enter in your Local information then the remote.

Make sure that you tell the 804HV the remotes Public IP under "remote gateway".

For the Preshare Key this can be anything up to 31 in length. Then click Apply, then click on "Select IKE..."



For the test here we used DES, DES is a lower Encryption the 3DES. If you have a slow internet connection you may want to use this as it can increase the data transfer through the VPN.

Down the bottom of the page click on the drop down for Proposal ID and click on 1, then click on "add to". At the top of the page you should see the IKE proposal index now has ID 1 in there.

After the setup click on Apply, don't click on restart yet. Next click on Back then click on "select IPSEC..."

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You should now see this page.

Do the same setup as on the last page.

After the setup click on Apply, then click on reboot and hit OK.

The unit will save the setting then restart the DI-804HV.

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Once this is all done go into dos, Start > Run, type in command then hit enter.

Depending on what location you are on will depend on what you type in. If you are located on the 192.168.0.x side type in the red part:

Ping 192.168.1.5 (this is the IP of the remote unit)

Or if your location is 192.168.1.x type in the red part:

Ping 192.168.0.10 (this is the IP of the remote unit)

You should see something like the below.

C:\WINDOWS\System32\cmd.exe - ping 192.168.1.20	- 🗆 🗙
C:\Documents and Settings\Neil>ping 192.168.1.20	
Pinging 192.168.1.20 with 32 bytes of data:	
Reply from 192.168.1.20: bytes=32 time=3ms TTL=255 Reply from 192.168.1.20: bytes=32 time=3ms TTL=255 Reply from 192.168.1.20: bytes=32 time=3ms TTL=255	
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