

DSL-526B - Port Forwarding Guide



This document will detail how to configure Port Forwarding on the DSL-526B.

NOTE:

It is recommended that your PC is configured with a Static IP when using Port Forwarding. See **page 5** - how to configure Windows 7 with a static IP.

1. Log in to the modem with the computer connected to the modem via Ethernet.

- URL: <u>http://192.168.1.1</u> (default)
- Username: admin
- Password: admin (default)
- Validate Code: (randomly generated)

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- 2. Select the **ADVANCED SETUP** button from the left menu.
- 3. Select NAT from the sub-menu followed by select VIRTUAL SERVERS from the list.
- 4. Select **ADD** to create a new rule.

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Device Info Advanced Setup WAN LAN Port Triggering DMZ Host Security Quality of Service Routing DNS DSL Diagnostics Management	Not - Virtual Servers Storup Start Server allows you to direct it coming traffic from VIANA sele (dertified by Protocol and External port) to the Internal server with private IP address on the UAN sele. The Internal Port Comments of the UAN sele (dertified by Protocol and External port) to the Internal Port End Server IP Address Rest Server Name External Port Start External Port End Protocol Internal Port Start Internal Port End Server IP Address Rest	ternal port is required only if the external po note Host Lan Loopback Remove	ort needs to be converted
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5. Select CUSTOM SERVER

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Device Info Advanced Setup	NAT Virtual Serv Select the service nar	ers ne, and enter the se	erver IP addre	ss and cick "Save/App	ly" to forward IP packe	ts for this service to the specified	server. NOTE: The "Internal Port End	" cannot be changed. It is the same as "Ext	ternal Port End"
WAN LAN	normally and will b Remaining number	e the same as the of entries that car	"Internal P n be configu	ort Start" or "Extern red:32	al Port End" if either	one is modified.			
NAT	Server Name:	Deathers							
Virtual Servers	Select a Service: Oustom Service:	RealAudio			Ť				
Port Triggering	Custom server.	Nemoce Desktop							
Security	Server IP Address:	192.168.1.3							
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DNS	External Port Start	External Port End	Protoco	Internal Port Sta	rt Internal Port End	Remote Ip Lan Loopback			
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- Name the rule with the name of the service your creating the rule for, such as **Remote** Desktop in this example.
- Enter the Remote Desktop port number (3389) in the External Port Start and External Port End. (The Internal Ports will auto fill).

8. Select **SAVE/APPLY** to save the changes.



9. The page will return to the Virtual Servers entries table with your new rule.

NOTE:

If you have multiple PC's you wish to enable a service such as Remote Desktop on, you will need to create a different External Port Start and End for each PC e.g.

- PC 1: 3389 (External) / 3389 (internal)
- PC2: 3390 (External) / 3389 (Internal)
- PC3: 3391 (External) / 3389 (Internal)
- To check whether the port is successfully forwarded, go to <u>www.canyouseeme.org</u> and enter the 'external port' used in your port forwarding rule and click Submit. It will return with a *Success* or *Error* message.



How to configure Windows 7 with a static IP Address.

- 1. Click the 'Network' icon in the windows task tray.
- 2. Select Open Network and Sharing Center





3. Select **Change Adapter Settings** from the left menu panel.

Control Panel +	All Control Panel Items 🕨 Network and Sharing C	Center 👻 🍫 Search Con 🔎			
Control Panel Home	View your basic network informatio	n and set up connections			
Change adapter settings Change advanced sharing settings	USER-PC Networ (This computer)	k 11 Internet See full map			
	View your active networks	Connect or disconnect			
	Network 11 Home network	Access type: No Internet access HomeGroup: Ready to create Connections: Uccal Area Connection 1			
	Change your networking settings				
	Set up a new connection or network Set up a wireless, broadband, dial-up point.	Set up a new connection or network Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.			
	Connect to a network Connect or reconnect to a wireless, w	vired, dial-up, or VPN network connection.			
See also HomeGroup	Choose homegroup and sharing opti Access files and printers located on o	ions ther network computers, or change sharing settings.			
Internet Options Windows Firewall	Troubleshoot problems Diagnose and repair network problen	ns, or get troubleshooting information.			

4. Right Click the icon of the adapter which you are using to access the Internet e.g. Local Area Connection (Wired) or Wireless Network Connection (Wireless) and select Properties.



5. Select Internet Protocol Version 4 (TCP/IPv4) and click the Properties button.

📱 Local Area Connection 1 Properties 🧮	-			
Networking	_			
Connect using:				
Marvell Yukon 88E8053 PCI-E Gigabit Ethemet Controller				
Configure				
This connection uses the following items:				
 Client for Microsoft Networks ANOD Network Security Filter driver QoS Packet Scheduler File and Printer Sharing for Microsoft Networks Internet Protocol Version 6 (TCP/IPv6) 				
Internet Protocol Version 4 (TCP/IPv4) Internet Protocol Version 4 (TCP/IPv4) ✓ Link-Layer Topology Discovery Mapper I/O Driver				
Install Uninstall Properties				
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.				
OK Cancel				

- 6. Select the radio button beside **Use the following IP address:**
 - Enter the static IP you wish to assign your PC. It will need to be in range of your router LAN subnet e.g. **192.168.1**.x
 - In this example, the modem LAN IP is 192.168.1.1 and therefore 192.168.1.3 is used for this particular PC's IP Address
 - Subnet mask: automatically filled for the user
 - Default Gateway: 192.168.1.1 (modem IP address)
 - DNS Servers: in this example the modem is used as the Primary DNS server (192.168.1.1). However this can be assigned with your ISP's DNS or alternative DNS servers.

Internet Protocol Version 4 (TCP/IPv4) Properties					
General					
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.					
Obtain an IP address automatically					
• U <u>s</u> e the following IP address:					
IP address:	192.168.1.3				
S <u>u</u> bnet mask:	255.255.255.0				
Default gateway:	192.168.1.1				
Obtain DNS server address automatically					
O Use the following DNS server addresses:					
Preferred DNS server:	192.168.1.1				
<u>A</u> lternate DNS server:					
Validate settings upon exit	Ad <u>v</u> anced				
	OK Cancel				

7. Click OK to save and activate the changes, followed by OK or CLOSE on the window following.