DSL-2740B How to Open Ports

Opening ports in the router allows certain applications to access a device or a computer on your local network from the Internet. With its default settings the router allows all outgoing requests to go out and replies to those requests to get in. Some applications however require additional "replies" to go through. That's when you need to open ports in your router. To open ports in your DSL-2740B router please follow these steps:

Step 1. Set the computer (or the device) which requires ports to be opened for, with static IP address. You can choose any IP address from the range of addresses you are using on your local network, as soon as it is not used by any other device. The default range is from 192.168.1.2 to 192.168.1.254. In our example we are using 192.168.1.99.

Windows XP: Control Panel > Network Connections > Local Area Connection > Properties > Internet protocol TCP/IP > Properties

Windows Vista: Control Panel > Network and Internet > [Network and Sharing Centre] > View Network Status and Tasks > View Status > Properties > Internet Protocol v4 > Properties

Select the "Use the following IP address" option:

IP address: 192.168.1.99 Subnet mask: 255.255.255.0 Default Gateway: 192.168.1.1 (your router's address) DNS: 192.168.1.1 and 61.88.88.88 (or whichever your provider is using)

Internet Protocol (TCP/IP) 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.						
O Dtain an IP address automatically						
Ose the following IP address: —						
IP address:	192.168.1.99					
S <u>u</u> bnet mask:	255.255.255.0					
<u>D</u> efault gateway:	192.168.1.1					
O D <u>b</u> tain DNS server address autom	natically					
Output the following DNS server add	resses:					
Preferred DNS server:	192.168.1.1					
<u>A</u> lternate DNS server:	61 . 88 . 88 . 88					
Ad <u>v</u> anced						
OK Cancel						

Step 2. Open your Web browser and enter the IP address of the router (192.168.1.1). Enter user name (admin) and password (the default is admin).

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Step 3. Click on ADVANCED and then on VIRTUAL SERVER button on the left side of your screen. Click on the "Add a Rule" button.

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	ADVANCED ADSL	VIRTUAL								I
	ADVANCED WLAN	The Virtual 9		s you to define a	sinale nublic	nort on your rou	uter for redirec	tion to an internal		L
	WLAN SECURITY	Address and	Private LAN port i	f required. This fe	ature is usef	ul for hosting onl	line services su	ch as FTP or Web	Servers.	I
	WLAN FILTER	Add A Rule								I
	WLAN BRIDGE									I
	WLAN QOS	VIRTUAL	SERVER RULES							I
	FIREWALL SETTINGS	Server	External Port Start	External Port	Protocol d	nternal Port	Internal Port End	Server IP Address	Remove	I
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Step 4. When adding a rule which opens ports:

under "Select a Service" select the application you want to open the ports for.

under "Server IP Address" type in the IP address of the computer/device you are opening ports for (the IP you have set in Step 1).

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DSL-2740B	SETUP	ADVANCED	Т	OOLS	STATUS		
ADVANCED ADSL	ADVANCED VIRTU						
ADVANCED WLAN							
WLAN SECURITY	Select the service name, the specified server	and enter the server IP a	ddress and click ".	Add Rules" to forward IF	packets for this service to		
WLAN FILTER	the specified server.					Ξ	
WLAN BRIDGE	NOTE: The "Internal Port the "Internal Port Start" of	End" cannot be changed or "External Port End" if ei	. It is the same a: ither one is modif	s "External Port End" noi ied.	rmally and will be the same as		
WLAN QOS	Add Duloc Rock	-					
FIREWALL SETTINGS							
VIRTUAL SERVER	VIRTUAL SERVER RU	ILES					
PORT TRIGGERING	Server Name:						
	Select a Service: MSN Messenger ▼						
	O Custom Server:						
BRIDGE FILTER	Server IP Address:	192.168.1	1.99				
PARENT CONTROL	Evternal Dort Start	External Port End	Protocol	Internal Port Start	Internal Port End		
URL FILTER	6891	6901		6891	6901		
QUALITY OF SERVICE	1962	1962		1962	1062		
		1903		1000	1903		
	1863	1863		1863	1863		
	5190	5190		5190	5190		
	6901	6901	UDP 🔽	6901	6901		
			ТСР 🔽			•	

If you do not see your particular application/service in the drop-down list, see the additional step below.



Step 4a. You need to do this step only if your application /service is not listed in the drop-down list. Select the "Custom Server" option.

under "Customer Server" type in the name you want to give to this rule (e.g. Xbox 360). under "Server IP Address" type in the IP address of the computer/device you are opening ports for (the IP you have set in Step 1).

Now specify the ports and protocols that you need to open:

- If you need to open a single port enter the port number under both External Port Start and External Port End. Select the required protocol (TCP or UDP). You do not need to modify anything under the Internal Port fields.
- If you need to open a range of ports specify the beginning of the range under External Port Start. Specify the end of the range under External Port End. Select the required protocol (TCP or UDP). You do not need to modify anything under the Internal Port fields.

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WLAN SECURITY	Select the service name,	and enter the server IP ad	dress and click "A	\dd Rules" to forward I	P packets for this serv	vice to
WLAN FILTER	the specified server.					
WLAN BRIDGE	NOTE: The "Internal Port	End" cannot be changed. ar "External Port End" if eit	It is the same as	"External Port End" no	ormally and will be the	same as
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VIRTUAL SERVER	VIRTUAL SERVER RU	JLES				
PORT TRIGGERING	Server Name:					
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OUTGOING IP FILTER	Custom Server	Vboy 260				
INCOMING IP FILTER	Custom server.					
BRIDGE FILTER	Server IP Address:	192.168.1	99			
PARENT CONTROL	External Port Start	External Port End	Protocol	Internal Port Star	rt Internal Port	: End
	88	88	UDP 🔽	88	88	
QUALITY OF SERVICE	3074	3074		3074	3074	
	0074	0074		0074	0074	
	3074	3074		3074	3074	
PORT MAPPING			ТСР 💌			



Step 5. When finished click on the "Add Rules" button.

	ADVANCED VIRTUAL SERVERS						
	Select the service name, and enter the server IP address and click "Add Rules" to forward IP packets for this service to the specified server.						
	NOTE: The "Internal Port End" cannot be changed. It is the same as "External Port End" normally and will be the same the "Internal Port Start" or "External Port End" if either one is modified.						
\langle	Add Rules Back						
	VIRTUAL SERVER RULES						
	Server Name:						
	O Select a Service: Select One ▼						
	• Custom Server:	Xbox 360					
Server IP Address: 192.168.1.99							

Be aware that many Internet Providers are blocking commonly used ports like 80 and 21, hence you will not be able to host a WEB site or a FTP site even if you open the necessary ports in the router.

Please note that from inside your LAN you will not be able to access your server using its public (Internet) IP address or FQDN name. On your LAN you will need to use its local IP address instead (e.g. 192.168.1.99).

