

HOW TO CONFIGURE DG-HR3420 FOR PORT FORWARDING

Setup: ISP----->(WAN)DG-HR3420(192.168.1.1) (LAN)----->PC(192.168.1.100)

STEP 1: ACCESSING THE WEB CONFIGURATION PAGE INSIDE THE ROUTER

Open the configuration page of the router by typing http://192.168.1.1 in a web browser. We recommend this one time configuration to be done using Internet Explorer.

Enter the username as admin and password as 1234 and click on Login

C 🗋 192.168.1.1/login.htm		QC
	Router Login	
	User Name: edmin Password: Login Reset	





STEP 2: CONFIGURE SERVICE AND IP ON THE DEVICE.

In this example, we will open ports for a computer which will need to be accessed over the internet through RDP.

Before configuring port forwarding on the router, it is required to configure the service on the device for which port needs to be opened.

- 1. Enable RDP Service on the PC
- 2. Configure the PC with a Static LAN card in the same range as the router.

In this example we have assigned IP on the LAN card of the PC as below:

IP Address: 192.168.1.100 (In the same subnet of the router)

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.1.1 (IP of the router)

DNS: 4.2.2.2 / 4.2.2.1 (As per ISP)

You can get IP settings assigned this capability. Otherwise, you no the appropriate IP settings.	d automatically if your network supports eed to ask your network administrator for
O Obtain an IP address autor	natically
● Use the following IP addres	R
IP address:	192.168.1.100
Sybnet mask:	255 . 255 . 255 . 0
Default gateway:	192.168.1.1
O Obtain DNS server address	s automatically
() Use the following DNS service	ver addresses:
Preferred DNS server:	4 . 2 . 2 . 2
Alternate DNS server:	4.2.2.1







STEP 3: CONFIGURE THE PORT FORWRDING

Click on Advanced >NAT > Virtual Server

Under Virtual Server > Select Service Type as User defined Service Name

(Define any name in User defined service name like :- Eg RDP, Remote Server Etc)

Select WAN Interface as PPPoE1/any (Based on WAN type)

Enter WAN Port, LAN Open Port Which you want to open (Eg-WAN Port-3389, LAN open port-3389)

DIG	ISC	DG-HR3420 300Mbps Wireless 3G Broadband Router			a uter				
Status	Wizard	Setup	Setup Advanced Service Firewall Maintenance						
Route Virtual Server This page allows you to config virtual server, so others can access the server through the Gateway.									
NAT		Service Typ	e:		-				
> Virtual Server		O Usual Se	ervice Name:	AUTH 🔻	_				
> ALG		User-de	fined Service Name:	RDP					
> NAT Exclude IP		Protocol:		TCP 🔻					
> Port Trigger WAN Setting:		j:	Interface 🔹						
> FTP ALG Port		WAN Interfa	ce:	pppoe1 🔻					
> Nat IP Mapping		WAN Port:		3389	(ex. 5001:5010)				
0.05		LAN Open P	ort:	3389					
QUS Port Mapping		LAN Ip Address:		192.168.1.100					
Others		Apply Chan	ges						

Click on Apply Changes



STEP4: ACCESSING OVER THE INTERNET

Under Current Virtual Server Forwarding Table you will get port status

	ISC	DG-HR3420			300Mbps 3G Broad	300Mbps Wireless 3G Broadband Router	
Status	Wizard	Setup	Advanced	Service	Firewall	Maintena	nce
Route		Virtual Serv This page allow	ver s you to config virtual s	erver.so others can acc	ess the server throu	ugh the Gateway.	
NAT			- ,				
> DMZ		Service Type:					
> Virtual Server		Usual Service Name: AUTH					
> ALG		O User-de	fined Service Name:				
> NAT Exclude IP		Protocol:		TCP 🔻			
> Port Trigger		WAN Setting	g:	Interface •			
> FTP ALG Port		WAN Interfa	ice:	pppoe1 •			
> Nat IP Mapping		WAN Port: 113 (ex. 5001:5010)					
		LAN Open P	Port:	113			
QoS		LAN Ip Address:					
Port Mapping							
Others		Apply Chang	ges				
	Current Virtual Server Forwarding Table:						
		ServerName	Protocol Local IP	Address Local Port	WAN IP Address	WAN Port State	Action
		RDP	tcp 192.16	8.1.100 3389-3389	pppoe1	3389-3389 Enable	Delete Disable

You can use third party tools to check if the port shows over the WAN IP. Once the port is open, you can access the device over the internet.

