

NAPCO NET.LINK **NL-ROUTER**

SETUP AND CONFIGURATION INSTRUCTIONS

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WI1563 6/06

GENERAL ROUTER SETUP REQUIREMENTS

- 1. Select a "Virtual IP Address" This is the address that a receiver will take on when it becomes the "Active" Receiver. Pick an address in the Static IP range and not in the DHCP range of the network.
- 2. Select a Port Number The Receiver is defaulted to listen for incoming packets on Port Number 5001 and each NL-MOD is defaulted to send packets to Port Number 5001, so if this number is not changed then it is your selected Port Number, otherwise make sure the Receiver and each NL-MOD are configured with your desired Port Number.
- 3. Setup Port Forwarding In your router, port forward the selected Port Number to the selected Virtual IP Address.
- 4. Check the ARP Cache refresh The Router must be set for a low value of about 5 seconds or less so that a backup receiver can come online quickly. Some routers defaulted refresh rates are in the order of 6 minutes or more.

NETGEAR ROUTER QUICK START

Hardware Setup:

- 1. Plug the router into a power source.
- 2. Plug in the network cable from the first Net.Link Receiver into port 1 of the router.
- 3. Plug in the network cable from the second Net.Link Receiver into port 2 of the router.
- 4. Connect the Service Terminal PC into port 3 of the router.
- 5. Plug the Internet cable into the Internet connection of the router.
- 6. Power on both receivers and the service terminal.

Note: A diagram of the Port layout is located on the bottom of the NETGEAR router housing.

Router Configuration:

1. From the web browser of the Service Terminal PC, log in using the address below with the User Name (admin) and Password (password):

http://www.routerlogin.com/basicsetting.htm

Do NOT use their Setup Wizard. The following screen appears:

🗿 NETGEAR Router - Microsoft Internet Explorer		
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Address and http://www.routerlogin.com/basicsetting.htm		
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NETGEAR SMARTWIZARD 54 Mbps Wireless Router model WGR614 v6		
Setup Wizard	Basic Settings	Help
Setup Basic Settings Wireless Settings	Does Your Internet Connection Require A Login? © Yes © No	The Basic Settings pages allow you to configure, upgrade and check the status of your NETGEAR Wireless Router.
Content Filtering Logs Block Sites Block Services	Account Name (If Required) WGR614v6	Helpful information related to the selected Settings page appears in this column. If you are using Internet Explorer, you may click an
 Schedule E-mail Maintenance 	Internet IP Address © Get Dynamically From ISP	the related help section; otherwise, scroll down until you reach it.
Router Status	IP Address	Basic Settings Help
Devices	IP Subnet Mask	Note: If you are setting up the router for the
 Backup Settings 	Gateway IP Address	first time, the default settings may work for you with no changes.
Set Password	Domain Name Server (DNS) Address	Does Your Internet Connection Require A
Router	Get Automatically From ISP	Login?
Advanced	C Use These DNS Servers	Select this ontion based on the type of
Wireless	Primary DNS	account you have with your ISP. If you need to
Settings	Secondary DNS	to the Internet or you have a PPPoE account
😸 javascript:selHelpFile('question')		

2. Using the left pane scroll bar, scroll down to and click on "Port Forwarding/Port Triggering".

The screen displayed at right appears:

Click the **Port Forwarding** radio button.

- 🚰 NETGEAR Router Microsoft Internet Explorer _ 🗆 🗙 <u>File E</u>dit <u>V</u>iew F<u>a</u>vorites <u>T</u>ools <u>H</u>elp 🔇 Back 🔻 🕤 👻 📓 🐔 🔎 Search 🛭 😒 Favorites 🤕 🚍 🔻 🗔 🖪 🗱 👻 🔁 Go 🛛 Links Address 🕘 http://www.routerlogin.com/basicsetting.htm Google-👻 🖸 Search 💌 🚿 💌 NETGEAR 54 S M A R T **W I Z A R D** router manager 2.4 GHz 802.11 54 Mbps Wireless Router model WGR614 v6 васкир Port Forwarding / Port Triggering Port Forwarding / Port Settings Triggering Help Set Password Router Port Triggering is an advanced feature that can be used for gaming and other internet applications. Port Forwarding can typically b used to enable similar functionality, but it is Please select the service type Upgrade Out Forwarding Advanced C Port Triggering Wireless tatic and has some limitations Settings Service Name Server IP Address Port Triggering opens an incoming port temporarily and can does not require the server on the internet to track your IP address if it is changed by DHCP, for example. Port 192 168 1 AIM Add Forwarding / Port Triggering WAN Setup # Service Name Start Port End Port Server IP Address Port Triggering monitors outbound traffic. When the router detects traffic on the specified outbound port, it remembers the IP address of the computer that sent the data and "triggers" the incoming port. Incoming traffic on the triggered port is then forwarded to the triggering computer. LAN IP Setup Dynamic DNS Edit Service Delete Service Static Routes Remote Add Custom Service Management UPnP Using the Port Forwarding / Port Triggering page, you can make local computers or servers available to the Internet for different services (for example, FTP or HTTP), to play Internet games (like Quake III), or to use Internet applications (like CUseeMe). Web Support Knowledge Base Documentation Port Forwarding is designed for FTP, Web Server or other server based services. Once port forwarding is set up, request from Logout 🞒 Done internet 🔁
- In the screen displayed above in step 2, click the "Add Custom Service" button, and the screen displayed at right appears:

In this screen, enter the data listed on the next page.



4. Listed below are examples of suggested defaults that can be entered in the previous screen (displayed in step 3).

Service Name = "NetLink" Service Type = "TCP/UDP" Starting Port = 5001 Ending Port = 5001 Server IP Address = "192.168.1.100"

Note: 5001 is the Receiver's default Port Number--if another Port Number was programmed into the NL-MOD, use that Port Number for the router's *Starting* and *Ending* Port Numbers.

In addition, the "Server IP Address" is the static Virtual IP Address that is shared between the two Net.Link Receivers. The default DHCP range of this router is 192.168.1.2 through 192.168.1.51. Select a Virtual IP Address greater then 192.168.1.51 (we recommend using 192.168.1.100).

5. After the data is entered, click "Apply" and a screen similar to the screen displayed below will appear.

You can now close the browser and start using the Receivers.

