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CHAPTER 1 INSTALLATION

Connect the N3G001W Wireless Router to Your Network

Note: DO NOT connect N3G001W 3G Wireless Router to power before performing the installation steps below.

Step1.

Attach the antenna.



1. Remove the antenna from its plastic wrapper.
2. Screw the antenna in a clockwise direction to the back panel of the unit.
3. Once secured, position the antenna upward at its connecting joint. This will ensure optimal reception.

Step2.

Insert your wireless Type II 3G card (either 16-bit or 32-bit) into the WAN PCMCIA Card Slot.



Note: The N3G001W 3G Wireless Router is designed to work with either UMTS, EV-DO or HSDPA 3G cards that can be used as modems (support tethered data). Please refer to your service provider for detailed feature information.

Step3.

Insert the Ethernet cable into LAN Port on the back panel of the N3G001W 3G Wireless Router, and an available Ethernet port on the network adapter in the computer you will use to configure the unit.



Note: The N3G001W 3G Wireless Router LAN Port is "Auto-MDI/MDIX." This provides Ethernet cable LAN Port access.

Step 4.

1. Connect the power adapter to the port on the back panel of your N3G001W 3G Wireless Router.
2. Then plug the other end of the power adapter into a wall outlet or power strip.



- a. The M1 LED will turn ON to indicate that the unit is powered on.
- b. Other LEDs will flash ON and OFF as the N3G001W 3G Wireless Router performs initialization and Internet connection processes. This will take a few minutes.
- c. When complete, the following LEDs will illuminate green: M1, WAN, LAN, and WiFi.

Note: Please refer to the user guide for explanation of the use of the WAN Port



CHAPTER 2 SETTING UP YOUR COMPUTER

Having physically connected your N3G001W, the next step is to configure the router to establish a broadband connection. Depending on your computers current settings you may first need to reconfigure the TCP/IP (Network Settings) to access your 3G Wireless Router.

Follow the instructions for your operating system.

Windows® XP PCs

1. In the Windows task bar, click the **Start** button, and then click **Control Panel**.
2. Click on **Network & Internet Connections** icon. (Category mode only).
3. Click the **Network Connections** icon.
4. In the **LAN** or **High-Speed Internet** window, right-click on the icon corresponding to your network interface card (NIC) and select **Properties**. (Often, this icon is labeled Local Area Connection).
5. The **Local Area Connection** dialog box displays with a list of currently installed network items. Ensure that the check box to the left of the item labeled **Internet Protocol (TCP/IP)** is checked. Select **Internet Protocol TCP/IP** and click on **Properties**.
6. In the **Internet Protocol (TCP/IP) Properties** dialog box, click the radio button labeled **Obtain an IP address automatically**. Also click the radio button labeled **Obtain DNS server address automatically**.
7. Click **OK** twice to confirm your changes, and close the **Control Panel**.

Windows 2000 PCs

First, check for the IP protocol and, if necessary, install it:

1. In the Windows task bar, click the **Start** button, point to **Settings**, and then click **Control Panel**.
2. Double-click the **Network and Dial-up Connections** icon.
3. In the **Network and Dial-up Connections** window, right-click the **Local Area Connection** icon, and then select **Properties**.
4. In the **Local Area Connection Properties** dialog box, select **Internet Protocol (TCP/IP)**, and then click **Properties**.
5. In the **Internet Protocol (TCP/IP) Properties** dialog box, click the radio button labeled **Obtain an IP address automatically**. Also click the radio button labeled **Obtain DNS server address automatically**.
6. Click **OK** twice to confirm and save your changes, and then close the **Control Panel**.

Windows Me PCs

1. In the Windows task bar, click the **Start** button, point to **Settings**, and then click **Control Panel**.
2. Click on **View All Control Panel Options**.
3. Double-click the **Network** icon.
4. The **Network Properties** dialog box displays with a list of currently installed network components. If the list includes **Internet Protocol (TCP/IP)**, then the protocol has already been enabled. Skip to step 10.
5. If **Internet Protocol (TCP/IP)** does not display as an installed component, click **Add...**
6. In the **Select Network Component Type** dialog box, select **Protocol**, and then click **Add...**
7. Select **Microsoft** in the **Manufacturers** box.
8. Select **Internet Protocol (TCP/IP)** in the **Network Protocols** list, and then click **OK**. You may be prompted to install files from your Windows ME installation CD or other media. Follow the instructions to install the files. If prompted, click **OK** to restart your computer with the new settings.

Next, configure the PC to accept IP information assigned by the modem:

9. Follow steps 1 - 3 above.
10. In the **Network Properties** dialog box, select **TCP/IP**, and then click **Properties**. If you have multiple TCP/IP listings, select the listing associated with your network card or adapter.
11. In the **TCP/IP Settings** dialog box, click the radio button labeled **Obtain an IP address automatically**.
12. Click **OK** twice to confirm and save your changes, and then close the **Control Panel**.

Windows 95, 98 PCs

First, check for the IP protocol and, if necessary, install it:

1. In the Windows task bar, click the **Start** button, point to **Settings**, and then click **Control Panel**.
2. Double-click the **Network** icon.
3. The **Network** dialog box displays with a list of currently installed network components. If the list includes **TCP/IP**, and then the protocol has already been enabled. Skip to step 9.
4. If **TCP/IP** does not display as an installed component, click **Add...** The **Select Network Component Type** dialog box displays.
5. Select **Protocol**, and then click **Add...** The **Select Network Protocol** dialog box displays.
6. Click on **Microsoft** in the **Manufacturers** list box, and then click **TCP/IP** in the **Network Protocols** list box.
7. Click **OK** to return to the **Network** dialog box, and then click **OK** again. You may be prompted to install files from your Windows 95/98 installation CD. Follow the instructions to install the files.
8. Click **OK** to restart the PC and complete the TCP/IP installation.

Next, configure the PCs to accept IP information assigned by the Modem:

9. Follow steps 1 - 3 above.
10. Select the network component labeled **TCP/IP**, and then click **Properties**. If you have multiple TCP/IP listings, select the listing associated with your network card or adapter.
11. In the **TCP/IP Properties** dialog box, click the **IP Address** tab.
12. Click the radio button labeled **Obtain an IP address automatically**.
13. Click **OK** twice to confirm and save your changes. You will be prompted to restart Windows.
14. Click **Yes**.

Windows Vista

1. In the Windows task bar, click on **Start** and then click **Control Panel**.
2. Click on **Network and Sharing Center**.
3. Click on **Manage Network Connection** on the left menu.
4. Right click on **Local Area Connection** and click on **Properties**
5. The **Local Area Connection** dialog box will display a list of currently installed network items. Ensure that the check box to the left of the item labeled **Internet Protocol Version 4 (TCP/IPv4)** is checked. Select **Internet Protocol Version 4 (TCP/IPv4)** and click on **Properties**.
6. In the **Internet Protocol Version 4 (TCP/IPv4) properties** dialog box, click the radio button labeled **Obtain an IP address automatically**. Also click the radio button labeled **Obtain DNS server address automatically**.
7. Click **OK** twice to confirm your changes and close the **Control Panel**.

Mac OS X 10.4

1. Click the **Apple** icon and choose **System Preferences**.
2. Click on **Network** icon.
3. Set **Location** to **Automatic** and **Show** to **Built In Ethernet**.
4. Click on **TCP/IP** tab.
5. In the **Configure** option, choose **Use DHCP with automatic address**.
6. Click on **Apply Now**.

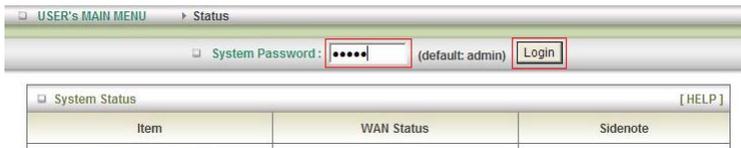
CHAPTER 3 USING THE N3G001W CONFIGURATION WIZARD

Having physically connected your N3G001W, the next step is to establish the broadband connection to the internet. Please follow the steps below to configure your N3G001W router via the web configuration wizard utility.

1. Open your web browser (e.g. Internet Explorer/Firefox/Safari) and navigate to <http://192.168.123.254/>

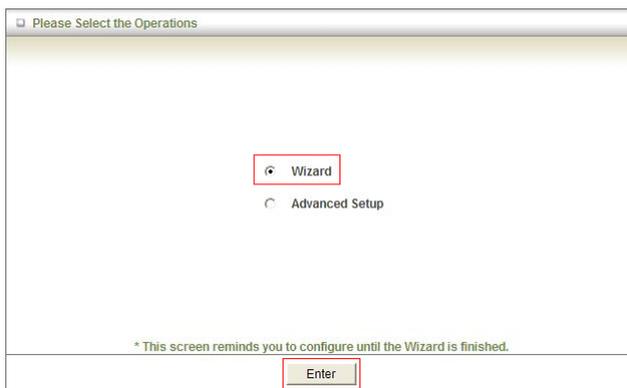


2. At the login screen, type in "admin" (without quotes) in the System Password field. Then click on Login.

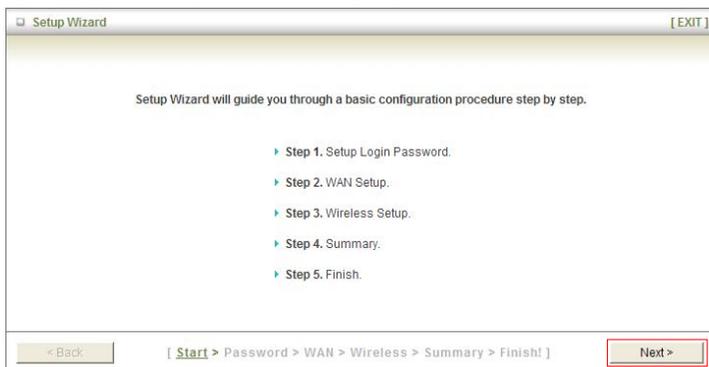


Notes: admin is the default login password for the unit.

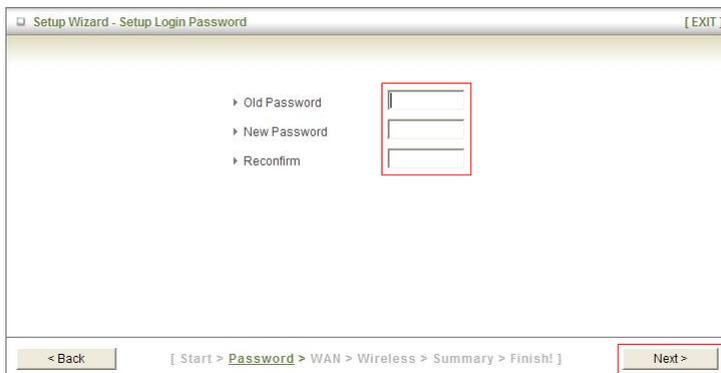
3. Click on Wizard and then on Enter.



4. This page shows you the steps needed to configure your N3G001W unit. Click **Next** to continue.



5. This page allows you to change the web configuration login password. To change the password, enter the old password (default is "admin") and enter the new password. You also need to enter the new password in the **Reconfirm** field. Then click **Next**. Or click **Next** without entering any details to keep the default password.



Note: if you change the password, please make sure that you use the new password the next time you log into the web configuration.

6. Select the type of WAN connection that you want to use and click on **Next**.

The screenshot shows a window titled "Setup Wizard - Select WAN Type" with an [EXIT] button in the top right corner. The main area contains a list of radio button options for WAN connection types:

- ISP assigns you a static IP address. (Static IP Address)
- Obtain an IP address from ISP automatically. (Dynamic IP Address)
- Dynamic IP Address with Road Runner Session Management. (e.g. Telstra BigPond)
- Some ISPs require the use of PPPoE to connect to their services. (PPP over Ethernet)
- Some ISPs require the use of unnumbered PPPoE to connect to their services.
- Some ISPs require the use of unnumbered PPPoE + NAPT to connect to their services.
- Some ISPs require the use of PPTP to connect to their services.
- Some ISPs require the use of L2TP to connect to their services.
- Some ISPs require the use of 3G to connect to their services.

At the bottom, there is a "< Back" button on the left, a breadcrumb trail "[Start > Password > WAN > Wireless > Summary > Finish!]" in the center, and a "Next >" button on the right which is highlighted with a red rectangle.

Notes: To use a 3G card, please choose "Some ISPs require the use of 3G to connect to their services". For connection to an existing modem/router choose "Obtain an IP address from ISP automatically (Dynamic IP Address)". For other connection types please refer to the user guide.

7. After choosing 3G, you need to enter the information below, this will have been provided to you by your 3G broadband service provider. Click **Next** once you finished.

The screenshot shows a window titled "Setup Wizard - WAN Settings - 3G" with an [EXIT] button in the top right corner. The main area contains a list of fields for 3G settings:

- LAN IP Address: 192.168.123.254
- APN: telstra.bigpond
- Pin Code: [Empty field]
- Dialed Number: [Empty field]
- Username: xxxxx@bigpond.com
- Password: xxxxx

At the bottom, there is a "< Back" button on the left, a breadcrumb trail "[Start > Password > WAN > Wireless > Summary > Finish!]" in the center, and a "Next >" button on the right.

Notes: This example shows Bigpond Next G connection settings. Note that you do not have to change the LAN IP address.

- This page allows you to disable the wireless functionality, change the wireless network name (SSID) and change the **wireless channel**. Click **Next** once you have finished.

Setup Wizard - Wireless settings [EXIT]

Wireless Radio Enable Disable

Network ID(SSID) default

Channel 11

< Back [Start > Password > WAN > **Wireless** > Summary > Finish!] **Next >**

- It is strongly recommended that you now set up simple wireless security such as WEP 64bit or WPA (if your wireless client supports WPA) in order to secure your network. Select your required wireless security and click on **Next**

Setup Wizard - Wireless Security [EXIT]

Security None

< Back [Start > Password > WAN > **Wireless** > Summary > Finish!] **Next >**

Notes: Please refer to the user guide for more information regarding wireless security and how to utilize wireless security on your network.

10. Please review the settings and click on **Apply Settings** to save them. You can also click **Back** if there is an error or if you need to make any changes.

[WAN Setting]	
WAN Type	3G
APN	telstra.bigpond
Pin Code	-
Dialed Number	-
Account	xxxx@bigpond.com
Password	*****

[Wireless Setting]	
Wireless	Enable
SSID	default
Channel	11
Security	None

Do you want to proceed the network testing?

< Back [Start > Password > WAN > Wireless > **Summary** > Finish!] **Apply Settings**

11. After several minutes the N3G001W will save all the settings and the wizard is complete. Click **Finish** to go back to the Status page and the unit will now use the new settings.

Configuration is Completed.

Please click "Finish" to back to Status page.
Or you can click "Configure Again" to setup the wizard again.

Configure Again [Start > Password > WAN > Wireless > Finish!] **Finish**

12. If everything is configured properly, the System Status page will show that your 3G service is online and the WAN IP address that has been assigned.

System Status [HELP]		
Item	WAN Status	Sidenote
IP Address	124.176.229.42	3G
Subnet Mask	255.255.255.255	
Gateway	10.64.64.64	
Domain Name Server	61.9.134.49, 61.9.194.49	

Wireless Status		
Item	WLAN Status	Sidenote
Wireless mode	Enable	(AP only mode)
SSID	default	
Channel	11	
Security	None	
MAC Address	00-60-64-1B-DB-00	

3G/3.5G Modem Information		
Item	Status	Sidenote
Card Info	3.3V CardBus card	
Link Status	Connected	
Signal Strength	Good(18)	0~9:Bad 10~19:Good 20~31:Excellent

Statistics Information		
Statistics of WAN	Inbound	Outbound
Octets	683706	15025
Unicast Packets	960	288
Non-unicast Packets	0	0
Drops	0	0
Error	0	0

[View Log...](#) [Clients List...](#) [Refresh](#)

Display time: Fri Jun 15 10:11:30 2007

For Advanced Configuration please refer to the User Guide on the supplied CD Rom.

Product Warranty

NetComm products have a standard 12 months warranty from date of purchase. However some products have an extended warranty option, via registering your product online at the NetComm website www.netcomm.com.au. Refer to the User Guide for complete product warranty conditions, limitations of warranty and other legal and regulatory information.

Contact Information

If you have any technical difficulties with your product, please do not hesitate to contact NetComm's Customer Support Department.

Email: support@netcomm.com.au

www.netcomm.com.au

Note: NetComm Technical Support for this product only covers the basic installation and features outlined in the Quick Start Guide. For further information regarding the advanced features of this product, please refer to the configuring sections in the User Guide or contact a Network Specialist.

NetComm[®]
www.netcomm.com.au

NetComm Limited ABN 85 002 490 486
PO Box 1200, Lane Cove NSW 2066 Australia
E – sales@netcomm.com.au **W** – www.netcomm.com.au