

N900 Dual Band Wi-Fi Gigabit Router - NF2



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Main Features

- Gigabit WAN port for ADSL and Fibre connectivity
- Alternate Internet connection via a 3G/4G USB modem
- Concurrent dual band WiFi up to 900Mbps¹
- Enhance WiFi performance and reduce interference with simultaneous data transmission over 2.4GHz and 5GHz radio bands
- Incorporates 2 x USB 2.0 ports. Connect a 3G/4G USB modem and an external hard disk drive for file sharing
- Connects up to 3 wired devices using the Gigabit LAN Ethernet ports
- Supports next generation IPv6 addressing
- Green features for power conservation
- IPSec VPN endpoint and PPTP and L2TP VPN protocols for securely sending information over the Internet when interconnecting with another computer network

- WIRELESS WAN
 - 1 x USB 2.0 port for external 3G/4G modem
 - GPRS/EDGE/WCDMA/HSDPA/HSUPA/ CDMA2000/ EVDO/LTE
- ETHNERNET WAN
 - 1 x WAN port (10/100/1000 Mbps)
 - PPPoE, DHCP client, Static IP, PPTP, L2TP
 - Auto-reconnect, dial-on demand, manual connect
- WIRELESS
 - IEEE 802.11n. Backwards compatible with IEEE 802.11b/g/a
 - 2.4GHz & 5GHz Concurrent WiFi

- SSID broadcast or in stealth mode
- Auto/Manual Channel selection
- WEP/WPA/WPA-PSK/WPA2/WPA2-PSK
- WPS button (WiFi Protected Setup)









- SECURITY
 - IP/Service Filter
 - URL blocking
 - MAC control
 - DoS (Denial of Service) Protected

- ROUTING
 - Static Route
 - Dynamic Route (RIP v1/v2)
 - DMZ

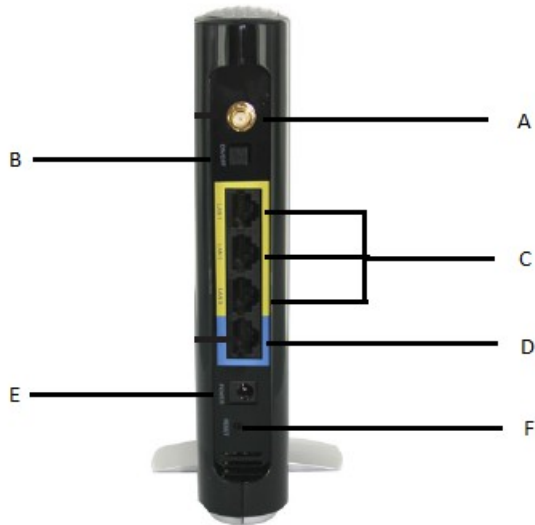
- ADMINISTRATION
 - UPnP • IGD • Syslog
 - Web-based UI • QoS • Remote Login
 - Backup/Restore Settings • SNMP
 - TR-069 auto provisioning
 - VPN IPSec, L2TP client/server, PPTP client/server

The Front Panel of the modem

Following indicates the status of the LED lights which provides you the modem's working status.

LED INDICATOR	ICON	DEFINITION
3G		A solid blue light indicates the NF2 is connected via 4G. The 4G LED will flash on data traffic throughput.
WWW		A solid blue light will appear when the WWW connection is established.
WDS		When the NF2 is connected via wireless to another access point this LED will be lit up.
LAN		The LAN LEDs will be a solid blue light when a specific LAN connection is established. The LED flashes on LAN port traffic throughput.
WAN		WAN mode: The WAN LED lights up when the router is connected to the internet via a fixed line WAN connection.
WWW		A solid blue light appears when the WWW connection is established.
WiFi		The LED will show a solid blue light when WLAN is enabled. The LED flashes on traffic throughput (data transfer).
Power		The power LED will be a solid blue light when the device is powered on. The power LED will flash during the device start up process.

The Back Panel of the modem



A – Antenna: To receive and transmit the wireless data

B – Power Switch (ON/ OFF): The switch for the power

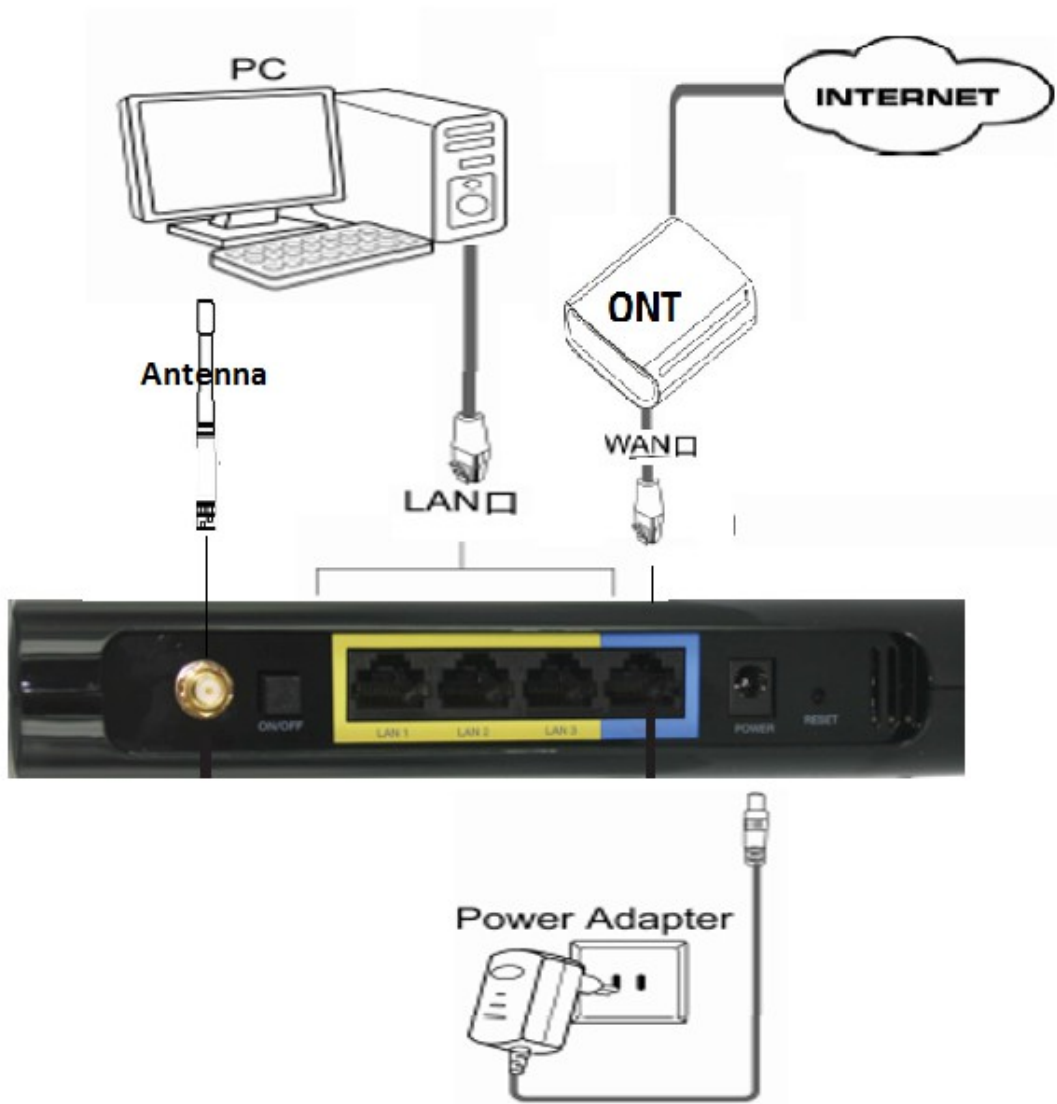
C – LAN Ports (LAN 1, LAN 2, and LAN 3): These ports (1, 2, 3, and 4) connect the Router to the local PC(s).

D – Modem/ Fibre ONT: This port is to connect the Modem/ Fibre ONT

E – The power socket is where you will connect the power adapter

F – Reset Button: Factory Default Reset button: Press the Reset button for five seconds and then wait for the Router to reboot

How setup/connect your hardware

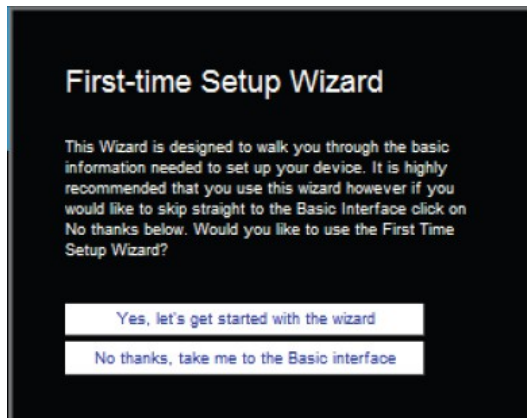


Quick Installation Guide

Connecting to the router via an Ethernet cable

- Connect an RJ-45 Ethernet cable from one of the yellow Ethernet LAN Ports on the back of the NF2 to the LAN port of your computer.
- Wait approximately 30 seconds for the connection to be established

Login to the web interface



- Open a web browser (Internet Explorer, Firefox and Safari), type 192.168.20.1 into the address bar and press Enter/Return. If **192.168.1.1** is not responding try **192.168.0.1**.
- At the login screen, type “admin” (without the quotes) into both the Username and the password fields and click “OK”.
- The “First-Time Setup Wizard” will then be displayed. Click on the “Yes, let’s get started with the wizard” button to configure your device.

Router Setup – WAN

- If connecting to an ADSL modem termination device, select “WAN” WAN interface.

or a Fibre
as the

- Select “PPPoE” as the WAN type and press the “Next” button. And provide Radius login credentials.
- To enable a backup connection via 3G/4G, tick the checkbox and enter the appropriate 3G/4G connection information as supplied by your 3G/4G provider (see the instructions on Step 5 of this quick start guide).
- You will also need to enter a high availability website in the Remote Host box in order to verify that your WAN based internet connection remains active.
- Click “Next” to complete the wizard. Please see from step 6 in this quick start guide for how to complete the wizard

3G/4G

- Select the country of residence and service provider from the dropdown boxes and the network name (APN) will automatically appear.
- Please refer : http://exewiki.exetel.com.au/index.php?title=Mobile_and_Mobile_Broadband_Email_and_APN_Settings
- Enter username/password and SIM PIN if required as supplied by Exetel. Not all 3G/4G providers require a username and password or a SIM PIN
- Click “Next” to complete the wizard. Please see from step 6 in this quick start guide for how to complete the wizard.



This page allows you to customize the 2.4GHz wireless setting of the NF2.

- WiFi is set to “On” by default. Changing this option to “Off” will turn off the wireless feature and you will not be able to connect to your NF2 via 2.4 GHz WiFi.
- Select ‘Disable’ to hide the SSID of the NF2. If disabled, other people will not be able scan and detect your NF2’s SSID.
- SSID Broadcast Name (Max 32 Characters):

The SSID (Service Set Identifier) is the name of your wireless network. Use a unique name to identify your wireless network so that you can easily connect from your wireless clients. This field is case sensitive and can be up to 32 characters. You should change the default SSID for added security.

Click “Next” to continue.

Step 3 of 7

Router Security

A **WiFi 2.4GHz** Security Key is already set up with your Router, however you can change that key here if desired. You can also change the security type below. To connect to the Router via WiFi you will need to enter the Security Key into your device.

Security Key Type

WPA-PSK (WPA2-PSK)

Security Key (Minimum of 8 characters)

Zuuzacuh

Back

Next

- This page allows you to configure the 2.4 GHz WiFi security settings for the NF2. Setting a strong wireless security level (such as WPA-PSK - AES) can prevent unauthorized access to your wireless network. Please enter the Security Key that you wish to use, or leave this field unchanged to use the default Security Key. Click “Next” to continue.

Step 4 of 7

WiFi Setup (5GHz)

Your router is already setup securely with a password and network name that is unique to every device. However you can choose alternative settings for these features if desired. From this page, you can configure your 5GHz WiFi network name (SSID), and whether or not this name should be broadcast to all WiFi enabled devices. You can also change the WiFi password or even disable WiFi functionality entirely if desired.

Wireless 5GHz (WiFi)

On Off

SSID Broadcast

Enable Disable

SSID Broadcast Name (Max 32 characters)

NetComm Wireless K900X 5.0

Back

Next

- This page allows you to customize the 5.0 GHz wireless setting of the NF2.
- WiFi is set to “On” by default. Changing this option to “Off” will turn off the wireless feature and you will not be able to connect to your NF2 via 5.0 GHz WiFi.
- Select ‘Disable’ to hide the SSID of the NF2. If disabled, other people will not be able scan and detect your NF2’s SSID.

Step 5 of 7

Router Security

A **WiFi 5GHz** Security Key is already set-up with your Router, however you can change that key here if desired. You can also change the security type below. To connect to the Router via WiFi you will need to enter the Security Key into your device.

Security Key Type

WPA-PSK/WPA2-PSK

Security Key (Minimum of 8 characters)

hapyumonou

Back Next

- This page allows you to configure the 5.0 GHz WiFi security settings for the NF2. Setting a strong wireless security level (such as WPA-PSK - AES) can prevent unauthorized access to your wireless network. Please enter the Security Key that you wish to use, or leave this field unchanged to use the default Security Key. Click “Next” to continue.

Step 6 of 7

Router Security

Please enter a username and password to be used to gain access to your Router Management Console. It is recommended that you choose a unique password for added security.

Desired Username

Desired Password

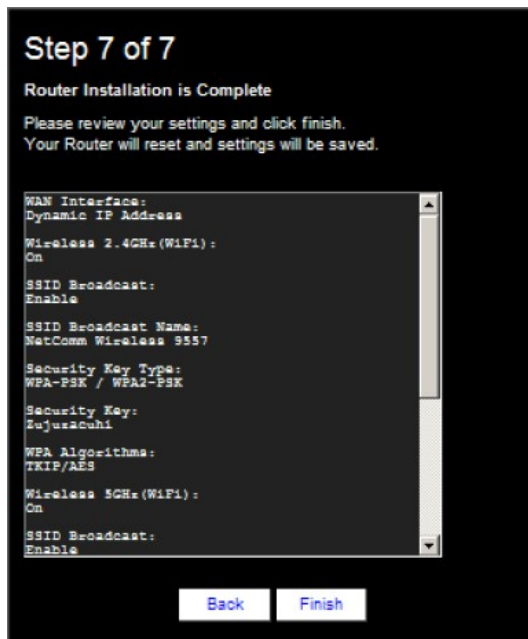
Retype Password

Remember to make a note of your username and password


[Back](#) [Next](#)

- In Step 6 of the NF2 Setup Wizard the administration password for the router can be set to prevent unauthorised access to the router management page. Enter the Desired Username and Desired Password, retyping the desired Password in the Retype Password field to confirm the new password. Click Next to continue the setup wizard.

Completing the wizard



1. Enter the username and password you would like to use when logging into the web based user interface. Confirm the new password by entering it a second time in the “Retype Password” field and click “Next”. (If you do not want to change from the default settings of admin/admin, simply click “Next”)
 2. Review your selected settings and click “Finish”. If you would like to change any of the settings, click “Back” until you reach the required page and adjust your settings accordingly. Click “Next” until you reach the summary page again.
- The router will attempt to connect using the details entered. This can take up to 2

minutes. If the connection attempt was successful, the Internet Connection LED  on the front of the unit will then be lit.

