



DMZ Host Setup Guide

(NB6Plus4W Rev2)

About the DMZ Host Function

The NB6Plus4W Rev2 modem router has a DMZ (De-Militarized Zone) host function. A DMZ host function on a home router is a host (computer, server, gaming console etc) on the internal network that has all ports exposed, except those ports otherwise forwarded. By definition this is not a true DMZ (Demilitarized Zone), since it alone does not separate the host from the internal network. The DMZ host is still able to connect to other devices on the internal network, whereas hosts within a real DMZ are prevented from connecting with the internal network by a firewall that separates them, unless the firewall permits the connection. A firewall may allow this if a host on the internal network first requests a connection to the host within the DMZ. The DMZ host is often used as an easy method of forwarding all ports to another firewall or NAT device, and is particularly useful in connecting gaming consoles and other devices to external networks when the ports needing to be forwarded are unknown by the user.

DMZ Host Setup

1. Navigate to <http://192.168.1.1> in a web browser using "admin" as both the user name and password to login to the router.
2. Select the **Advanced** menu > **Virtual Server** > **DMZ**.

The screenshot displays the NetComm router's web management interface. At the top, the NetComm logo is on the left, and navigation icons for Quick Start, Status, Advanced (highlighted with a red box), Wireless, and Management are in the center. A Language dropdown menu is set to English. On the left sidebar, a list of menu items includes Local Network, Layer2 Interface, Internet, IP Routing, Virtual Servers (with sub-items Port Forwarding, Port Triggering, and DMZ Host, where DMZ Host is highlighted with a red box), Dynamic DNS, Static DNS, Firewall, NAT ALG, Quality of Service, and Port Mapping. The main content area is titled "DMZ Host" and contains the following text: "The DSL router will forward IP packets from the WAN that do not belong to any of the applications configured in the Virtual Servers table to the DMZ host computer." "Enter the computer's IP address and click 'Apply' to activate the DMZ host." "Clear the IP address field and click Apply to deactivate the DMZ host." Below this is a text input field labeled "DMZ Host IP Address:" containing the value "192.168.1.4". To the right of the field is a button labeled "Apply/Save". At the bottom left of the interface, system information is displayed: "Firmware: 4.24p", "DSL: A2pB025c.d22i", and "Wireless: 5.10.120.0".

3. Enter the **IP Address** of the device you wish to set as the DMZ host into the DMZ Host IP Address field. It is recommended to use a static IP address. Instructions for creating a static IP address can be found on the next page.
4. Press the **Apply/Save** button activate the DMZ host.

Setting a Static IP Address

1. Select **Advanced** > **Local Network** > **DHCP Server**.

NetComm Quick Start | Status | **Advanced** | Wireless | Management

Language English

Local Network
IP Address
DHCP Server
UPnP
IGMP Snooping
Layer2 Interface
Internet
IP Routing
Virtual Servers
Firewall
NAT ALG
Quality of Service
Port Mapping

DHCP Server Configuration

Enabling DHCP Server on LAN interface can provide the proper IP address settings to your computer.

Disable DHCP Server
 Enable DHCP Server

Start IP Address:
End IP Address:
Leased Time (hour):

Enable DHCP option 66
TFTP Server IP:
Static IP Lease List: (A maximum 32 entries can be configured)

MAC Address	IP Address	Remove
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Relay On Relay to Server IP: Address:

Firmware: 4.24p
DSL: A2pB025c.d22i
Wireless: 5.10.120.0

2. Select the **Add Entries** button.

3. Enter the MAC Address and IP address of the device you wish to set a static IP address for. Enter the MAC address with a colon (:) between every two characters as shown below. To find the MAC address of your network card on your PC see the following pages.

The screenshot shows the NetComm web interface. At the top, there is a navigation bar with the NetComm logo and several menu items: Quick Start, Status, Advanced (highlighted in blue), Wireless, and Management. A language dropdown menu is set to English. On the left side, there is a vertical navigation menu with the following items: Local Network, IP Address, DHCP Server, UPnP, IGMP Snooping, Layer2 Interface, Internet, IP Routing, Virtual Servers, Firewall, NAT ALG, Quality of Service, and Port Mapping. The main content area is titled "DHCP Static IP Lease" and contains the instruction: "Enter the Mac address and Static IP address then click Apply/Save .". Below this instruction, there are two input fields: "MAC Address:" with the value "00:1A:92:11:52:B5" and "IP Address:" with the value "192.168.1.4". An "Apply/Save" button is located to the right of these fields. At the bottom left of the interface, the following information is displayed: Firmware: 4.24p, DSL: A2pB025c.d22i, and Wireless: 5.10.120.0.

4. Press the **Apply/Save** button to save the settings.

5. The static IP address entry will be displayed on the DHCP server page as shown below.

The screenshot shows the NetComm NB6Plus4W ADSL2+ Wireless Modem Router configuration page in Mozilla Firefox. The browser address bar shows `http://192.168.1.1/`. The page title is "NetComm NB6Plus4W ADSL2+ Wireless Modem Router - Mozilla Firefox". The navigation menu includes "Quick Start", "Status", "Advanced", "Wireless", and "Management". The "Language" dropdown is set to "English".

The left sidebar menu includes: Local Network, IP Address, DHCP Server, UPnP, IGMP Snooping, Layer2 Interface, Internet, IP Routing, Virtual Servers, Firewall, NAT ALG, Quality of Service, and Port Mapping.

The main content area is titled "DHCP Server Configuration". It contains the following text: "Enabling DHCP Server on LAN interface can provide the proper IP address settings to your computer." Below this are several configuration options:

- Disable DHCP Server
- Enable DHCP Server
 - Start IP Address:
 - End IP Address:
 - Leased Time (hour):
- Enable DHCP option 66
 - TFTP Server IP:
 - Static IP Lease List: (A maximum 32 entries can be configured)

The Static IP Lease List is displayed as a table with the following data:

MAC Address	IP Address	Remove
00:1A:92:11:52:B5	192.168.1.4	<input type="checkbox"/>

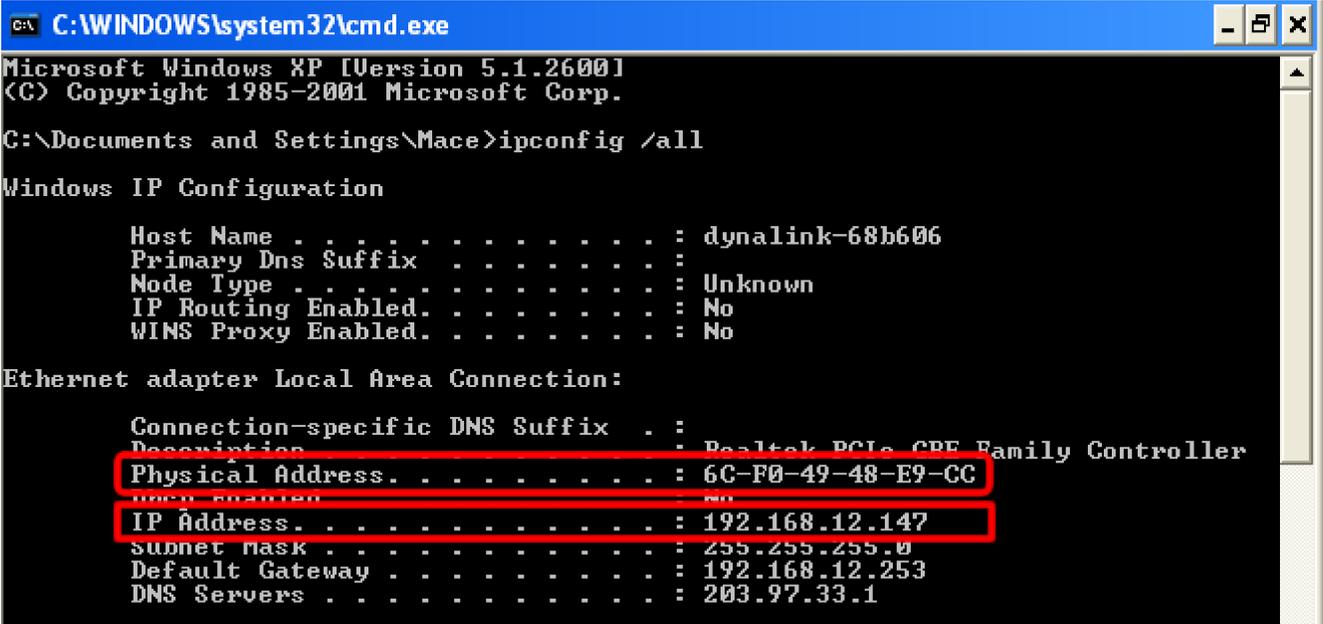
Below the table are buttons for "Add Entries" and "Remove Entries". There is also a "Relay On" option with a "Relay to Server IP: Address:" field. At the bottom is an "Apply/Save" button.

At the bottom left of the page, the following firmware information is displayed:

Firmware: 4.24p
DSL: A2pB025c.J22i
Wireless: 5.10.120.0

Finding the MAC address of a Network card of a Personal Computer

1. On your PC select **Start > All Programs > Accessories > Command Prompt**.
2. Type "ipconfig /all" (no quotes) and press enter on your keyboard.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Mace>ipconfig /all

Windows IP Configuration

    Host Name . . . . . : dynalink-68b606
    Primary Dns Suffix . . . . . :
    Node Type . . . . . : Unknown
    IP Routing Enabled. . . . . : No
    WINS Proxy Enabled. . . . . : No

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix . :
    Description . . . . . : Realtek PCIe GBE Family Controller
    Physical Address. . . . . : 6C-F0-49-48-E9-CC
    IP Address. . . . . : 192.168.12.147
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.12.253
    DNS Servers . . . . . : 203.97.33.1
```

3. Search for the **Physical Address** of your Local Area or Wireless Network Connection. This is the MAC address of the network card.
4. The IP Address will also be listed for your network card as shown above.