



MAC Address Filtering Setup

(NB6Plus4W Rev2)

MAC Address Filtering

MAC address filtering refers to the process of allowing (or denying) access to your wireless network based on the hardware address of the device attempting to connect.*

This Wireless MAC address is usually printed on the underside of the device you are attempting to allow (or deny) access to.



Ensure you are making any MAC address filtering configuration changes from an ethernet connected computer.

If you are not able to do this, remember to add the MAC address of the computer you are making the configuration changes from to the allowed access list.

You will lock yourself out of the wireless network if you do not and an ethernet connection will be required.

* - If supported by your model of modem / router.

Enabling MAC address filtering

This guide will take you through the process of enabling MAC address filtering.

1. To find the MAC address of your computer's wireless network card select Start > All Programs > Accessories > Command Prompt.
2. Type "**ipconfig /all**" (not including the quotation marks) and press enter.

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C:\WINDOWS\system32\cmd.exe
C:\Documents and Settings\TechSupport>ipconfig /all

Windows IP Configuration

    Host Name . . . . . : techsupport-laptop
    Primary Dns Suffix . . . . . :
    Node Type . . . . . : Unknown
    IP Routing Enabled. . . . . : No
    WINS Proxy Enabled. . . . . : No
    DNS Suffix Search List. . . . . : Home

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix . . : Home
    Description . . . . . : Broadcom NetLink (TM) Gigabit Ethernet

    Physical Address. . . . . : 00-0F-B0-FA-92-57
    Dhcp Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
    IP Address. . . . . : 192.168.1.2
    Subnet Mask . . . . . : 255.255.255.0
    IP Address. . . . . : fe80::20f:b0ff:fefa:9257%4
    Default Gateway . . . . . : 192.168.1.1
    DHCP Server . . . . . : 192.168.1.1
    DNS Servers . . . . . : 192.168.1.1
                            fec0:0:0:ffff::1%2
                            fec0:0:0:ffff::2%2
                            fec0:0:0:ffff::3%2
    Lease Obtained. . . . . : Friday, 5 November 2010 8:54:27 a.m.
    Lease Expires . . . . . : Saturday, 6 November 2010 8:54:27 a.m.

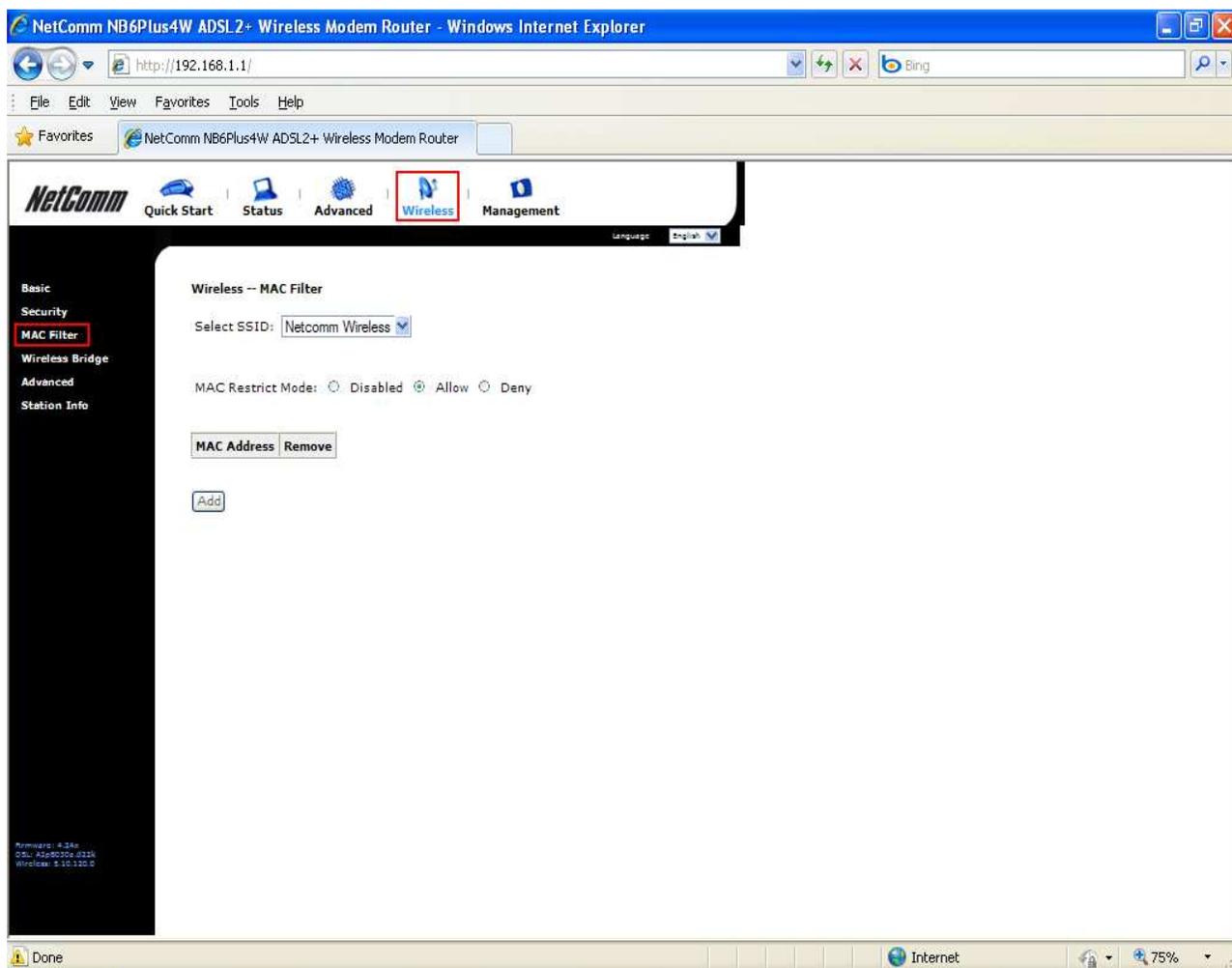
Ethernet adapter Wireless Network Connection:

    Connection-specific DNS Suffix . . :
    Description . . . . . : Broadcom 802.11b/g WLAN
    Physical Address. . . . . : 00-14-A5-7A-63-EE
    Dhcp Enabled. . . . . : No
    IP Address. . . . . : 192.168.1.100
    Subnet Mask . . . . . : 255.255.255.0
    IP Address. . . . . : fe80::214:a5ff:fe7a:63ee%7
    Default Gateway . . . . . : 192.168.1.1
    DNS Servers . . . . . : 192.168.1.1
                            fec0:0:0:ffff::1%1
                            fec0:0:0:ffff::2%1
                            fec0:0:0:ffff::3%1

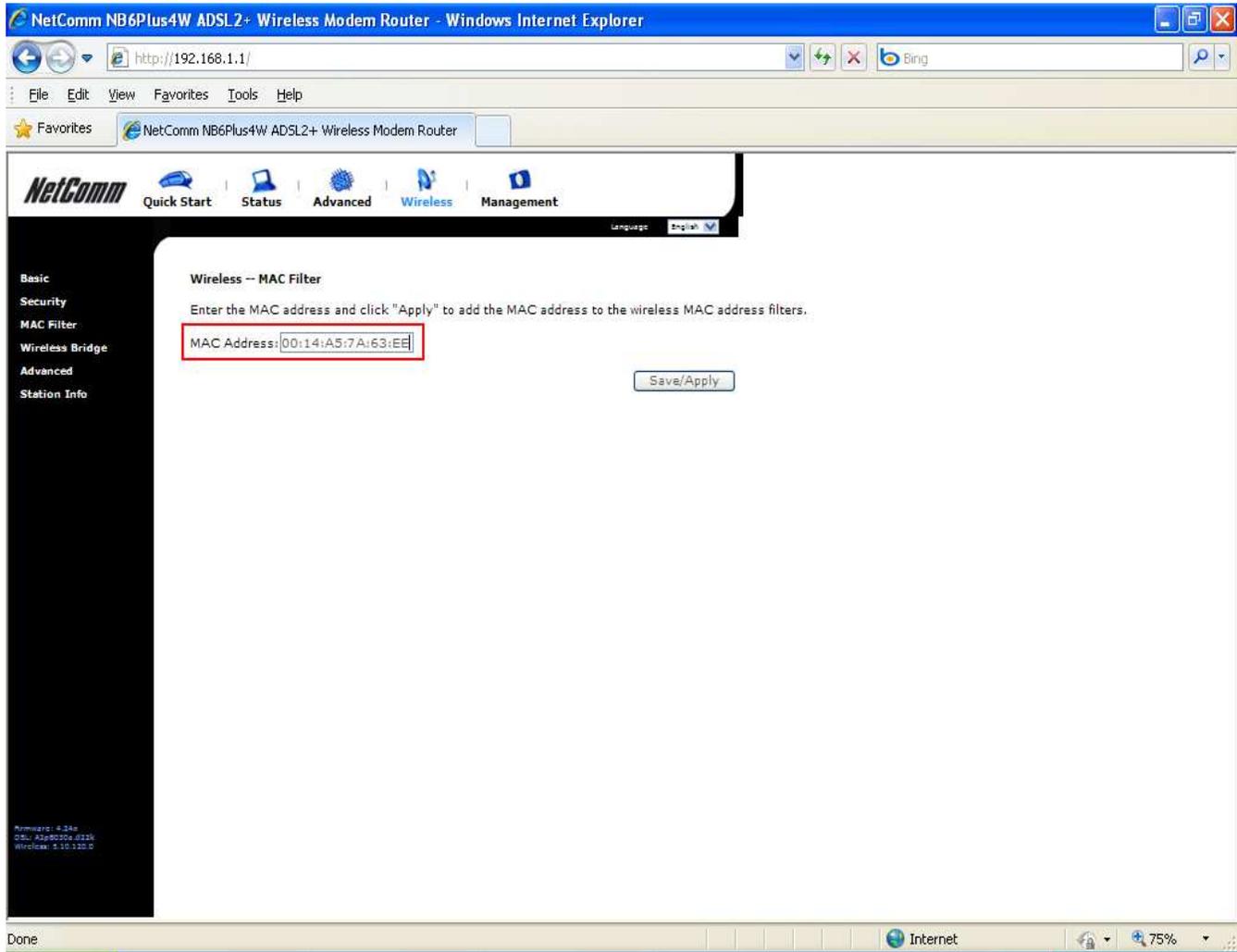
Tunnel adapter Teredo Tunneling Pseudo-Interface:

    Connection-specific DNS Suffix . . :
    Description . . . . . : Teredo Tunneling Pseudo-Interface
    Physical Address. . . . . : FF-FF-FF-FF-FF-FF-FF-FF
    Dhcp Enabled. . . . . : No
    IP Address. . . . . : fe80::ffff:ffff:fffd%6
    Default Gateway . . . . . :
    NetBIOS over Tcpip. . . . . : Disabled
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3. Find and record the physical address of your wireless network card on your computer. This is the MAC address of the wireless network card.
4. Navigate to <http://192.168.1.1> in a web browser using admin as both the username and password.
5. Select Wireless from the top menu options, then MAC filter from the left hand column options.



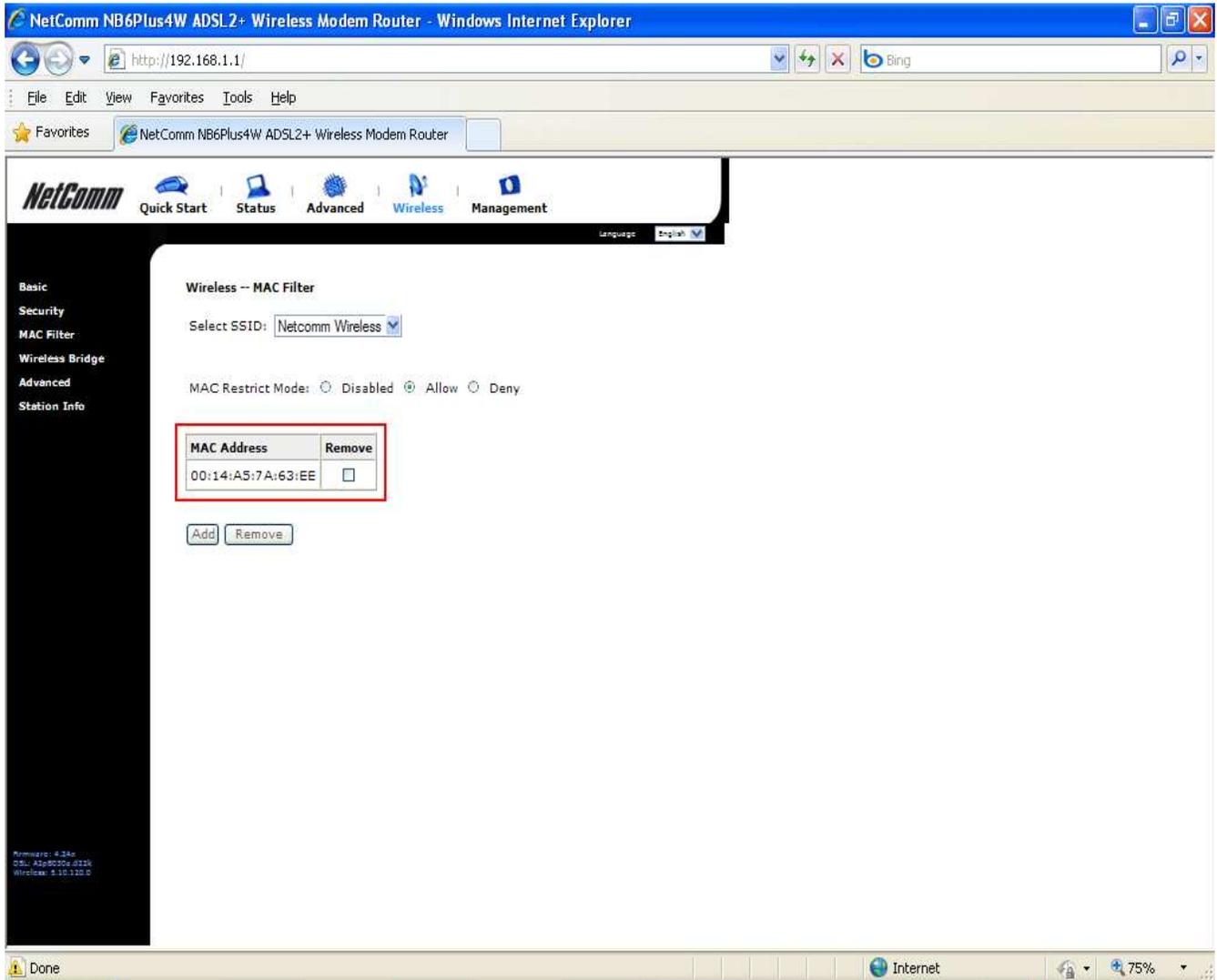
6. Select the SSID (network name) of your wireless network in the "Select SSID" field.
7. Set MAC Restrict Mode from Disabled to Allow or Deny depending on whether you wish to allow or deny a connection to the devices listed in the MAC address list. In the example above the MAC Restrict Mode is set to allow meaning only those devices listed in the MAC address list will have wireless access to the network, all other wireless devices will be denied.
8. Press the Add button.



9. Enter the MAC address of your computer / wireless device.

10. Press the Save/Apply button.

11. The MAC Filter will display the MAC address you have entered showing a completed MAC filtering rule.



You will then need to repeat this process for any subsequent devices you want to allow or deny access to your wireless network.