MAC Address Filtering Setup
(NB9W)
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:\Documents and Settings\TechSupport>ipconfig /all

Windows IP Configuration

Host Name : techsupport-laptop
Primary Dns Suffix : Unknown
Node Type : Unknown
DHCP Enabled : No
WINS Proxy Enabled : No
DNS Suffix Search List : None

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix : None
    Description : Broadcom NetLink (TM) Gigabit Ethernet
    Physical Address : 00-0F-00-Fh-92-57
    Dhcp Enabled : Yes
    Autoconfiguration Enabled : Yes
    IP Address : 192.168.1.2
    Subnet Mask : 255.255.255.0
    Default Gateway : 192.168.1.1
    DHCP Server : 192.168.1.1
    DNS Servers :
        fcc0:0:0:0:ffff:1:2
        fcc0:0:0:0:ffff:2:2
        fcc0:0:0:0: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 : Broadcom 802.11bg WLAN
    Description : Broadcom 802.11bg WLAN
    Physical Address : 00-14-85-74-63-EB
    Dhcp Enabled : No
    IP Address : 192.168.1.100
    Subnet Mask : 255.255.255.0
    Default Gateway : 192.168.1.1
    DNS Servers :
        fcc0:0:0:0:ffff:1:2
        fcc0:0:0:0:ffff:2:2
        fcc0:0:0:0:ffff:3:2

Tunnel adapter Teredo Tunneling Pseudo-Interface:

    Connection-specific DNS Suffix : Teredo Tunneling Pseudo-Interface
    Description : Teredo Tunneling Pseudo-Interface
    Physical Address : Fe80::ff:feff:fe7a:6367
    DhcP Enabled : No
    IP Address : Fe80::ff:feff:fe7a:6367
    Default Gateway : Teredo Tunneling Pseudo-Interface
    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.


5. Select Wireless from the top menu options, then MAC filter from the left hand column options.

6. Select Allow or Deny according to your preference. Choosing Allow will allow only those wireless devices listed in the MAC address filter list access to the wireless network. All other devices will be denied wireless access. Choosing Deny will deny any wireless device listed in the MAC address filter list access to the wireless network. All other wireless devices will have access to the wireless network.

7. Press the Add button.
8. Enter the MAC address of your wireless device with a colon ":" between each set of two digits as the above example shows. With the MAC address 00:14:A5:7A:63:EE.
9. Press the Save/Apply button.
The MAC filter list will show the completed entry listed as shown in the example above.

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