



## **MAC Address Filtering Setup**

(3G21WB)

### **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.

## Finding the MAC Address of your Computer's Wireless Card

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.

```
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-F9-92-57
    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:

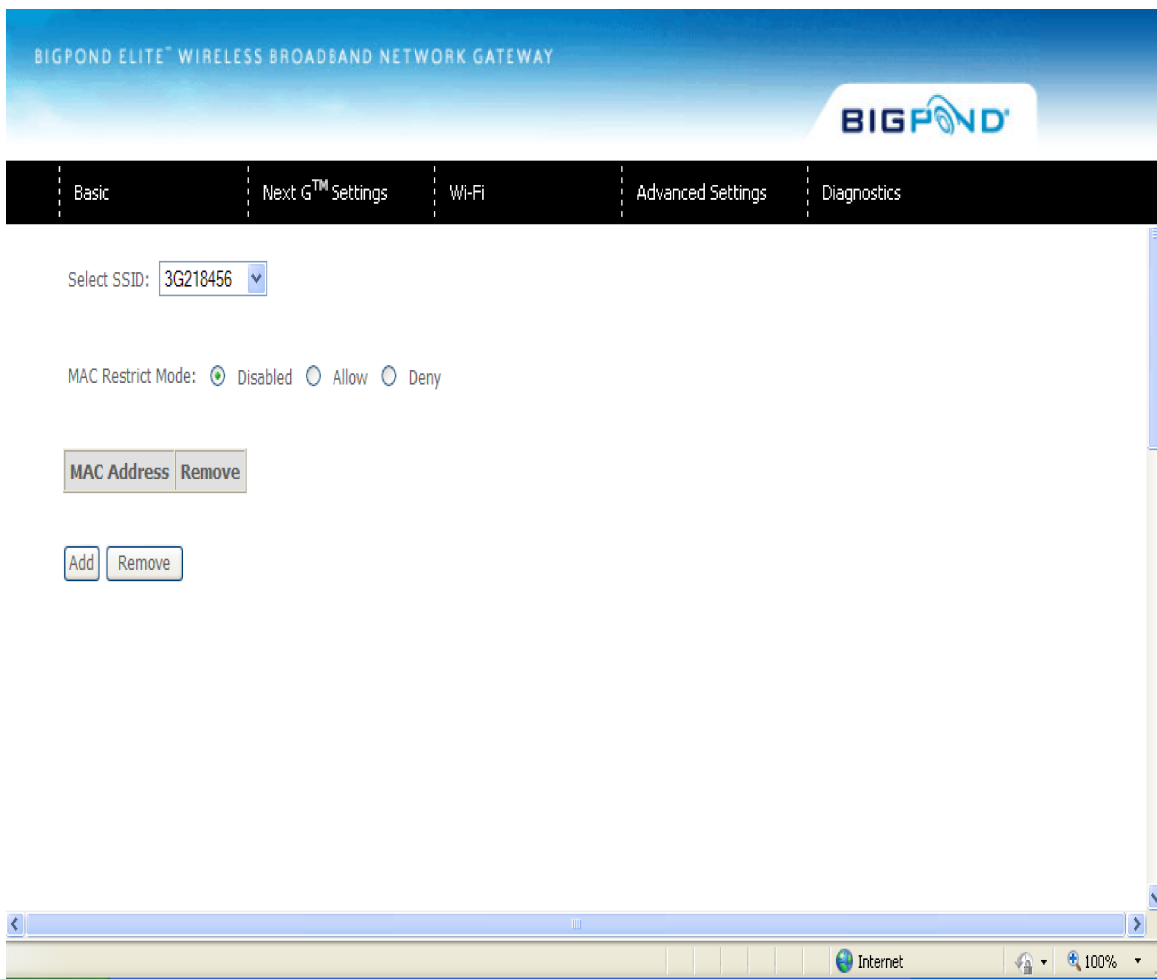
    Connection-specific DNS Suffix  : 
    Description . . . . . : Teredo Tunneling Pseudo-Interface
    Physical Address. . . . . : FF-FF-FF-FF-FF-FF-FF-FF
    Dhcp Enabled. . . . . : No
    IP Address. . . . . : fe80::ffff:ffff:ffff%6
    Default Gateway . . . . . : 
    NetBIOS over Tcpip. . . . . : Disabled
```

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.

## Enabling MAC address filtering

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

1. Navigate to <http://10.0.0.138> in a web browser.
2. Enter '**admin**' for both the username and password and click Ok.
3. Mouse over the **Wifi** menu and select the '**MAC Filter**' option.



4. Check the **SSID** you wish to use in the "Select SSID" field.
5. Set the **MAC restrict mode** from disable to either **Allow** or **Deny** (connection to the router). Any device with a MAC address in the MAC address list will be Allowed or Denied access. The example above shows the MAC Restrict Mode set to Allow, meaning only those wireless devices listed in the MAC address list will have access to the wireless network. All others will be denied.
6. Press the **Add** button

BIGPOND ELITE™ WIRELESS BROADBAND NETWORK GATEWAY

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Basic | Next G™ Settings | Wi-Fi | Advanced Settings | Diagnostics

**Wi-Fi > MAC Filter**

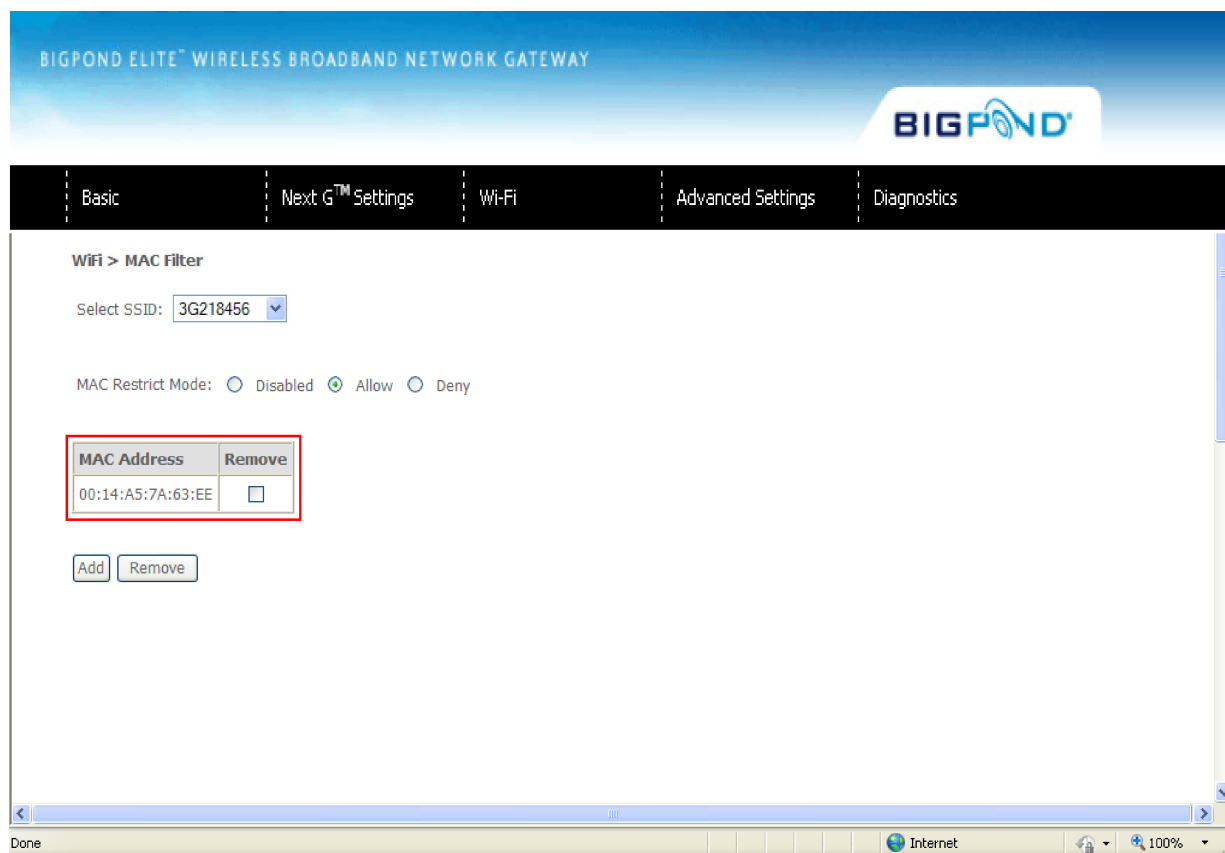
Enter the MAC address and click "Apply/Save" to add the MAC address to the wireless MAC address filters.

MAC Address:  (xx:xx:xx:xx:xx:xx)

Done Internet 100%

7. Enter the MAC address of your network card and click Apply/Save to add the MAC address to the wireless MAC address filters.

8. The MAC address will be listed as the example below demonstrates.



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