MAC Address Filtering Setup
(3G18Wn)
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.
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. Also note the IP address of your wireless network card. It is best practice to make sure your IP address has been statically assigned so that the IP address does not change on restarting either the pc or the router. To set a static IP address please see http://www.netcomm.com.au/support/frequently-asked-questions/networking-setting-a-static-ip-address

The recommended IP address details are:

**IP address**: 192.168.20.101  
**Subnet Mask**: 255.255.255.0  
**Default Gateway**: 192.168.20.1  
**Preferred DNS**: 192.168.20.1  
**Alternate DNS**: 4.2.2.2


5. Select Firewall > MAC / IP / Port filtering.
6. Set MAC / IP / Port filtering to enable and change the default policy to suit – either to accept or deny data packets that do not match the filtering rule you are to create.
7. Enter the MAC address of your wireless network card. Enter a colon “:” between each set of two characters as per the example above.
8. Enter the destination IP address, the IP address of the wireless network card of your pc or other wireless network device.
9. Enter the Source IP address, the WAN or external IP address from where the data packets originate. If you are unsure of this address enter 0.0.0.0 which represents any IP address.
10. Press Apply. The example below highlights the completed rule.

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

In addition to Mac / IP filtering the 3G17Wn has the option of port filtering, to allow or deny data packets throughput across designated ports.

The example below highlights an example of port filtering for port 8080 (for web server traffic).

If you wish to allow or deny traffic across a range of ports enter the start port and then the end port in both the Destination Port Range and the Source Port Range. In addition you will need to enter the MAC address, Destination IP address and Source IP address in the same way as Mac filtering. The example below highlights a completed port filter rule.
You will then need to repeat this process for any subsequent devices you want to allow to access your wireless network.