



Wireless Security Guide

(for Windows XP, Windows Vista, Windows 7, Mac OSx)

Wireless Security Guide

This guide will take you through the process of configuring, changing or checking the wireless security settings on an existing wireless network.

This guide **will not** assist you to setup a new wireless network. Please refer to the wireless setup document for your model available from the support section of the [NetComm](#)* or [Dynalink](#)** website.



Any changes to your wireless security settings will require you to reconfigure wirelessly connected devices to use the new security settings. Please ensure that you have your wireless setup guide handy for this.

* NetComm Support - <http://www.netcomm.com.au/support>

** Dynalink Support - <http://www.dynalink.co.nz/cms/index.php?page=how-to>

Step 1: Selecting a wireless security type:

There are a number of different types of wireless security to select from.

Before changing your settings, check the types of security available on your modem/router and then consult your wireless adapter manufacturer to ensure your wireless adapter is compatible with your chosen security type.

The most commonly used security types are:

- WEP (64bit or 128bit)
- WPA (Radius)
- WPA-PSK
- WPA2 (Radius)
- WPA2-PSK

The majority of wireless adapters should support one (or all) of the above security types.



You will be unable to utilise Radius server authentication without having a Radius server in place and configured on your network.

Step 2: Selecting a wireless security key:

Once you have chosen which wireless security type you want to use on your network, you will then need to create your wireless security key or wireless password.

Depending on the security type you choose, you will have the option of using either an ASCII or HEX format key.

ASCII refers to any letter or number you can see on your keyboard.

HEX refers to the letters A to F and the numbers 0 to 9.

You will need to ensure that your security key is the correct length. Your modem/router will display the required number of characters (letters and/or numbers) you need.



The default WEP key for most NetComm products is:

a1b2c3d4e5

Step 3: Setting up your wireless security:

Please ensure that your modem/router is connected to your computer using an ethernet cable before continuing.

1. Navigate to <http://192.168.20.1> in a web browser using "admin" as the default username and password when prompted.
2. Mouse over "Wireless Settings" and select Basic.

The screenshot shows the NetComm 3G18Wn - 3G 5-Port 11n Wi-Fi Router's web interface. The top navigation bar includes Status, Internet Settings, Wireless Settings, Firewall, and Administration. The current page is 'Wireless Settings > Basic'. The 'Basic Wireless Settings' section includes a description: 'This page allows you to define the basic wireless settings for this device such as the SSID and channel.' The 'Wireless Network' section contains the following settings:

Radio On/Off	<input checked="" type="radio"/> On <input type="radio"/> Off
Network Mode	11b/g/n mixed mode
Network Name(SSID)	NetComm Wireless
Frequency (Channel)	2437MHz (Channel 6)

The 'Wireless Distribution System(WDS)' section contains the following settings:

MAC Address	00:60:64:3C:57:48
WDS Mode	Disable

At the bottom of the form are 'Apply' and 'Cancel' buttons.

3. Enter a new **Network Name (SSID)** and press Apply.
4. Mouse over "Wireless Settings" and select "Security".

5. If you would like to select a different network security type instead, click the drop down menu in the "**Security Mode**" section and select the desired security type.

NetComm
www.netcomm.com.au

3G18Wn - 3G 5-Port 11n Wi-Fi Router

Status ▶ Internet Settings ▶ Wireless Settings ▶ Firewall ▶ Administration

Wireless Settings > Security

Wireless Security Settings

This page allows you to configure the wireless security for your 3G Router. Setting up sufficient wireless security can prevent unauthorised access to your wireless network.

Select SSID

SSID choice: NetComm Wireless

Security Mode: WPA-PSK

WPA

WPA Algorithms: TKIP AES TKIPAES

Pass Phrase: a1b2c3d4e5

Key Renewal Interval: 3600 seconds (60 - 9999)

Access Policy

Policy: Disable

Add a MAC address to the allow/block list:

Apply Cancel

6. After selecting your desired security type (we're using WPA-PSK for the example), enter the wireless security key you would like to use into the "**Pass Phrase**" section and click "**Save/Apply**".
7. Any changes to your wireless security settings will require you to reconfigure any wirelessly connected devices to use the new security settings. You will now need to re-setup any wirelessly connected computers with the new wireless security key. Please ensure that you have your wireless setup guide handy for this.