



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 [Dynamlink](#)** 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>

** Dynamlink Support - <http://www.dynamlink.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.

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://192.168.1.1> in a web browser.



2. Enter "admin" as both the username and password before pressing the **Login** button.

3. Select the **Wireless** Tab.



4. This is the basic wireless tab where you have the option change the wireless security key. After making any change to the security key select the **Save and apply the changes** button.

5. If you would like to use a different wireless security type click on the **Switch to advanced view** option at the bottom of the page.

The screenshot shows a Mozilla Firefox browser window displaying the NetComm Basic Wireless configuration page. The browser's address bar shows the URL `http://192.168.1.1/index.htm`. The page features the NetComm logo at the top left and a navigation sidebar on the right with options for Status, Wireless, Mobile Broadband, and ADSL. The main content area is titled "Wireless (WiFi)" and includes the following settings:

- Wireless (WiFi)**: On Off
- SSID Broadcast**: Enable Disable
- WiFi Network Name**:
(This is the name of your personal wireless network and will appear when you search for wireless networks to connect to.)
- Security Key**:

At the bottom of the configuration area, there is a button labeled "Save and apply the changes". Below the main configuration area, there are two links: "Switch to advanced view" (highlighted with a red box) and "Switch to VOIP/PNAs view". On the left side of the page, there is an image of a NetComm wireless router with several status LEDs.

6. Select the **Wireless** option from the **"Network Setup"** menu.

NetComm® NB16WV - ADSL2+ Wireless N Modem Router with VoIP

Switch to basic view
Switch to VoIP/NAS view

Status **Network Setup** Forwarding Rules Security Settings Advanced Settings Toolbox

Item	Setting
Wireless Module	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Network ID(SSID)	NetComm Wireless 5479
SSID Broadcast	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Channel	Auto
Wireless Mode	B/G/N mixed
Authentication	WPA-PSK / WPA2-PSK
Encryption	TKIP / AES
Preshare Key	Gobumeboji

Save Undo WDS Setting...
WPS Setup... Wireless Client List...

7. Select the wireless security type you would prefer to use from the **Authentication** field(we're using WPA-PSK / WPA2-PSK for the example).
8. Select the Encryption type you would prefer to use from the **Encryption** field. We are using TKIP / AES for the example.
9. After selecting your desired security and encryption type, enter the wireless security key you would like to use into the **"Pre-Share Key"** section and click **"Save"**.

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.