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Wireless Security Guide

(for Windows XP, Windows Vista, 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 wireless 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. Open your web browser and go to the address <http://192.168.20.1>, using admin as the username and password when prompted.
2. Select **"Wireless"** from the menu on the lefthandside and then **"Security"** from the top of the page which is displayed.
3. If you have decided to use WPA2-PSK and you would just like to change your current WPA network key, simply replace the key specified in the **"Pre-shared key:"** section and click **"Apply"**.

The screenshot shows the NetComm NP802n web interface. On the left is a blue sidebar with the NetComm logo and website URL. The sidebar menu includes System, Wizard, Internet, **Wireless** (highlighted with a red box), Firewall, and Advanced. The main content area has a green header with 'AP Router Mode' and a navigation bar with Basic, Advanced, **Security** (highlighted with a red box), Filter, WPS, and Client List. Below the navigation bar is a descriptive text: 'This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.' The configuration fields are: SSID Selection (NetComm800nSeries), Broadcast SSID (Enable), WMM (Enable), Encryption (WPA pre-shared key), WPA type (radio buttons for WPA(TKIP), WPA2(AES) (selected), and WPA2 Mixed), Pre-shared Key type (Passphrase), and Pre-shared Key (1a2b3c4d5e, highlighted with a red box). At the bottom right are Apply and Cancel buttons.

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

This screenshot is identical to the one above, showing the NetComm NP802n web interface with the Security configuration page. The 'Encryption' dropdown menu is highlighted with a red box, showing 'WPA pre-shared key' as the selected option. The 'Pre-shared Key' field is also highlighted with a red box.

4. After selecting your desired security type (we're using WPA2-PSK for the example), enter the wireless security key you would like to use into the **"WPA Pre-Shared Key:"** section and click **"Apply"**.

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NP802n

System
Wizard
Internet
Wireless
Firewall
Advanced

AP Router Mode

Basic Advanced **Security** Filter WPS Client List

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

SSID Selection : NetComm800nSeries

Broadcast SSID : Enable

WMM : Enable

Encryption : WPA pre-shared key

WPA type : ☐ WPA(TKIP) ☒ WPA2(AES) ☐ WPA2 Mixed

Pre-shared Key type : Passphrase

Pre-shared Key : 1a2b3c4d5e

Apply Cancel

Any changes to your wireless security settings will require you to reconfigure any wirelessly connected devices to use the new security settings. This is done by removing any stored wireless settings and then reconnecting to your wireless network.

Please ensure you have your wireless setup guide handy for this.