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 **Dynalink**

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://192.168.1.1>, using admin as the username and password when prompted.
2. Select **"Show advanced settings"** from the menu on the lefthandside and then **"Wireless"** underneath it.
3. If you would like to use WEP, simply select "Enable Encryption" and note down the key specified in the **"Key 1:"** section and click **"Save/Apply"**.

The screenshot shows a web interface for configuring wireless settings. On the left is a 'Main Menu' sidebar with categories: BASIC (OnePage Setup, hide advanced settings), ADMINISTRATION (WAN, LAN/DHCP, DNS, NAT, Port Forwarding, **Wireless**, ADSL Configuration, RIP Configuration, Diagnostic Test, Route Table, MAC Filtering), SECURITY (Admin Password, User Password, Misc Configuration, System Log, Code Update), and Status (Router, ADSL, LAN, WAN, ATM, TCP connections, Learned MAC Table, PPP Status). The 'Wireless' option is highlighted. The main content area is titled 'Wireless' and contains the following fields: SSID (conexant), Channel (6), Security (radio buttons for 'Enable Encryption' and 'Disable Encryption', with 'Enable Encryption' selected), Key Length (radio buttons for '64 bit' and '128 bit', with '64 bit' selected), and a note '(5 bytes for 64 bit or 13 bytes for 128 bit)'. Below this are four key input fields: Key 1 (c5774653dd), Key 2 (a16bd13ecd), Key 3 (8e33fb2b2f1), and Key 4 (c12611e1d). The 'Key 1' field is highlighted with a red box. At the bottom right are 'Reset' and 'Submit' buttons.

4. If you would like to use a different network key, type your new key into the “**Key 1**” section and click “**Submit**”.

The screenshot shows a web-based configuration interface for a wireless network. On the left is a sidebar menu with categories: **Main Menu** (Advanced), **BASIC** (OnePage Setup, hide advanced settings), **ADMINISTRATION** (WAN, LAN/DHCP, DNS, NAT, Port Forwarding, **Wireless**, ADSL Configuration, RIP Configuration, Diagnostic Test, Route Table, MAC Filtering), **SECURITY** (Admin Password, User Password, Misc Configuration, System Log, Code Update), and **Status** (Router, ADSL, LAN, WAN, ATM, TCP connections, Learned MAC Table, PPP Status). The **Wireless** item is highlighted with a red box. The main content area is titled **Wireless** and contains the text "Please configure your wireless setting here." The settings include: **SSID** (conexant), **Channel** (6), **Security** (radio buttons for **Enable Encryption** and Disable Encryption, with the first one highlighted by a red box), and **Key Length** (radio buttons for 64 bit and 128 bit). Below these are four **Key** input fields (Key 1 through Key 4) with a note "(5 bytes for 64 bit or 13 bytes for 128 bit)". The **Key 1** field contains "ExampleKey" and is highlighted with a red box. At the bottom right are **Reset** and **Submit** buttons.

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.