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.

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' for both the username and password when prompted.
2. Mouse over 'Wireless Settings' and select 'Basic'.
3. Ensure 'Radio' is set to 'On' and enter a new 'Network Name (SSID)' before pressing Apply as seen in the example screen shot below.

4. Mouse over 'Wireless Settings' and select 'Security'.

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**Basic Wireless Settings**

This page allows you to define the basic wireless settings for this device such as the SSID and channel.

<table>
<thead>
<tr>
<th>Wireless Network</th>
<th>On</th>
<th>Off</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radio On/Off</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Network Mode</th>
<th>11b/g/n mixed mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network Name (SSID)</td>
<td>NetComm Wireless</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Frequency (Channel)</th>
<th>2437MHz (Channel 6)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Wireless Distribution System (WDS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC Address</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WDS Mode</th>
<th>Disable</th>
</tr>
</thead>
</table>

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**NetComm 3G Travel Router**

[Image of a router interface showing wireless settings]
5. Select the SSID choice, it should be the new network name you have just created.

6. Select the desired security type (in this example we are using WPA-PSK). Set the WPA.

7. Set the WPA Algorithm to TKIP (if using WPA-PSK as per the example).

8. Enter a pass phrase key of at least 10 characters using the numbers 0 - 9 and letters A - F.

9. Press Apply.

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.