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# Wireless Setup Guide (for Windows XP, Windows Vista, Windows 7 and Mac OSx)

### Wireless Setup Guide

The following steps will take you through the process of setting up and connecting to your wireless network. You can also use these steps to troubleshoot wireless connection issues.

### **Step 1: Checking Computer Network Settings:**

You will need to set the network connection on your computer to obtain an IP address automatically. Please follow the instructions appropriate for your operating system below:



Below are the instructions for setting Windows XP to obtain an IP address automatically for your ethernet connection:

- 1. Click on the Start Menu, and go to "Control Panel".
- Click on "Network Connections". (If you only see "Network and Internet Connections", open that first, and then click on "Network Connections".)
- 3. Right click on "Local Area Connection" and select "Properties".
- 4. Double-click on "Internet Protocol".
- 5. Select "Obtain an IP address automatically", and "Obtain DNS server address automatically".
- 6. Click "**OK**", and then click "**OK**" (or "**Close**").



Below are the instructions for setting Windows Vista to obtain an IP address automatically for your ethernet connection:

- 1. Click on the Start Menu, and go to "Control Panel".
- Click on "Network and Sharing Centre". (If you only see "Network and Internet", open that first, and then click on "Network and Sharing Centre".)
- 3. Click on "Manage network connections" (on the lefthandside of the window).
- 4. Right click on "Local Area Connection" and select "Properties".
- 5. Double-click on "Internet Protocol Version 4 (TCP/IPv4)".
- 6. Select "Obtain an IP address automatically", and "Obtain DNS server address automatically".
- 7. Click "**OK**", and then click "**OK**" again.



Below are the instructions for setting Windows 7 to obtain an IP address automatically for your ethernet connection:

- 1. Click on the Start Menu, and go to "Control Panel".
- 2. Click on "Network and Sharing Centre". (If you only see "Network and Internet", open that first, and then click on "Network and Sharing Centre".)
- 3. Click on "Change adapter settings" (on the lefthandside of the window).
- 4. Right click on "Local Area Connection" and select "Properties".
- Double-click on "Internet Protocol Version 4 (TCP/IPv4)".
   Select "Obtain an IP address automatically", and "Obtain DNS server address automatically".
- 7. Click "OK", and then click "OK" again.



Below are the instructions for setting Mac OS X to obtain an IP address automatically for your ethernet connection:

- 1. Click on the Apple Menu, and go to "System Preferences".
- 2. Click on "Network".
- 3. Click on "Ethernet" or "Built-in Ethernet".
- 4. Click on the "Configure" drop-down box, and select "Using DHCP" then click "Apply".

### Step 2: Configuring your wireless settings:

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

#### Troubleshooting Tip

After logging into your router, verify the following settings to troubleshoot issues with your wireless connection:

- Wireless MAC filtering is **disabled**.
- Your SSID is **not** hidden.
- Confirm your wireless security settings (Make sure you are using the correct wireless security key).
- Confirm your selected wireless security is supported by your wireless device.
  - 1. Open your web browser and go to the address <a href="http://192.168.20.1">http://192.168.20.1</a>, using admin as the username and password when prompted.
  - 2. Select "Wireless" from the menu on the lefthandside.
  - 3. Make sure "Radio" is set to ENABLE.
  - 4. Make sure "Mode" is set to "AP".
  - The default SSID should be "NetComm800nSeries". (You can change this if desired. Please make a note of the changed SSID, as this will be the name of your network, and will be used to connect to the wireless connection in a later step.)

	AP Router Mode 💌
NetGomm®	Basic Advanced Security Filter WPS Client List
www.netcomm.com.au	
NP800n	This page allows you to define SSID, and Channel for the wireless connection. These parameters are used for the wireless stations to connect to the Access Point.
System	Radio : © Enable C Disable
Wizard	Mode: AP 🔽
vvizaro	Band : 2.4 GHz (B+G+N) ▼
Internet	Enabled SSID#: 1
Wireless	SSID1: NetComm800nSeries
VVIIeless	Auto Channel : C Enable © Disable
Firewall	Channel : 11 💌
Advanced	Apply Cancel

If you have changed any settings on this page, click the **Apply** button at the bottom of the page.

## Step 3: Scanning for, and connecting to your Wireless Network:

You can now scan for your wireless network and connect to it.

Please click the appropriate operating system listed below and follow the steps for operating system specific instructions on how to do this:







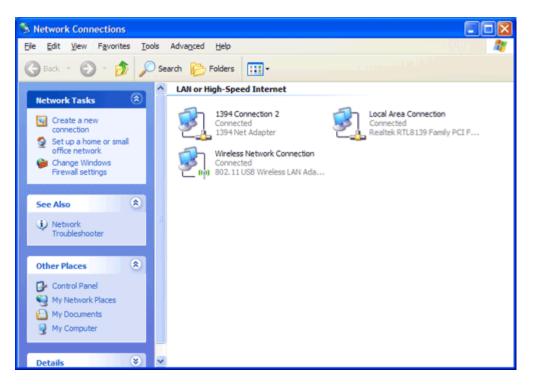


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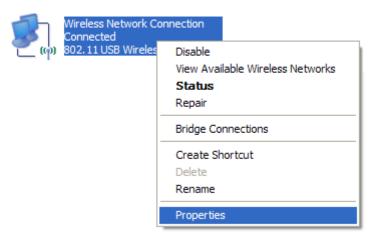


1. Click on the Start Menu and then "Run". Type: ncpa.cpl <and click "OK">

You should now see the following window:



2. Right click on "Wireless Network Connection" and select "Properties".





If you cannot see a "Wireless Network Connection" item, your wireless adapter may not be installed or inserted correctly. Please check this before continuing with steps in this guide. 3. Click on the "Wireless Networks" tab, as shown below.

(If you do not see this tab, you will need to enable and start the "**Wireless Zero Configuration**" service. Please <u>refer to the steps</u> at the end of the guide to enable this)

🕹 Wireless Network Connection Properties 🛛 🔹 💽					
General Wireless Networks Advanced					
Use Windows to configure my wireless network settings					
Available <u>n</u> etworks:					
To connect to, disconnect from, or find out more information about wireless networks in range, click the button below.					
View Wireless Networks					
Preferred networks: Automatically connect to available networks in the order listed below:					
Y wireless (Automatic) Move up					
Move <u>d</u> own					
Add <u>R</u> emove Properties					
Leam about setting up wireless network Advanced					
OK Cancel					

Make sure "Use Windows to configure my wireless network settings" is TICKED.

This window will list any wireless networks you have previously connected to. If you see an entry matching the **SSID** you obtained at the start of this guide, you will need to select it and then click "**Remove**".

(Typically, a number of networks will be listed here. This is nothing to worry about. You can delete the other entries too. These are just stored settings and passwords for connecting to the listed networks.)

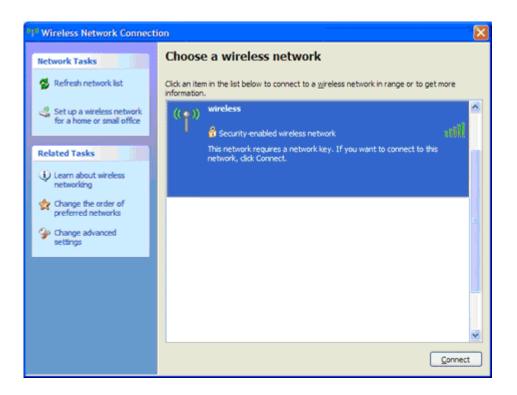
If your **SSID** is not listed, or you have just removed it, click "**OK**".

The window will close and you should now be returned to the "**Network Connections**" control panel window.

4. Right click on "Wireless Network Connection" and select "View Available Wireless Networks".



5. You should see a network listed with the **SSID** you obtained at the start of this guide. Select your wireless network and click "**Connect**".



6. If you are prompted to enter a "Network key" (also known as a WEP or WPA key), please type the following into the "Network key" and "Confirm network key" sections: a1b2c3d4e5 (all in lowercase) and click "Connect".

<u>_</u> !	The default WEP key for most NetComm products is: a1b2c3d4e5 If you have changed this key, you will need to enter this new key instead of the one above.					
Wireless Net	work Conne	ection				
The network 'wireless' requires a network key (also called a WEP key or WPA key). A network key helps prevent unknown intruders from connecting to this network. Type the key, and then click Connect.						
Network <u>k</u> ey:	Network key:					
Confirm network key:						
	<u>Connect</u> Cancel					

7. You should now see the following window listing your network with "**Connected**" showing:

(If you do not, you may have entered an incorrect security key, please try following these steps again.)

<sup>inpu</sup> Wireless Network Connecti	on	×
Network Tasks	Choose a wireless network	
💋 Refresh network list	Click an item in the list below to connect to a <u>wi</u> reless network in range or to get more information.	
Set up a wireless network for a home or small office	((Q)) wireless Connected \$	2
for a nome or small office	C Security-enabled wireless network	
Related Tasks		
Learn about wireless networking		
Ange the order of preferred networks		
Change advanced settings		
	Connect	0

After completing the steps above, you should now be connected to your wireless network and able to surf the internet.

Please remember to disconnect your ethernet cable.

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- Click on the Start Menu, and go to "Control Panel".
   Click on "Network and Sharing Centre". (If you only see "Network and Internet", open that first, and then click on "Network and Sharing Centre".)
- 3. You should then see the following window:

	A DESCRIPTION OF THE OWNER OF THE		
💮 💬 – 💱 « Network and Inter	net <ul> <li>Network and Sharing Center</li> </ul>	👻 🍫 Search	Q
Tasks View computers and devices Connect to a network Manage wireless networks Set up a connection or network Manage network connections Diagnose and repair	Network and Sharing Center	Official officia	View full map
See also Infrared Internet Options Windows Firewall Wireless Configuration Utility	Wireless networks are available. Connect to a network		

Click on "Manage wireless networks" on the left-hand side.

4. You should then see the following:



This window will list any wireless networks you have previously connected to. If you see an entry matching the **SSID** you obtained at the start of this guide, you will need to select it and then click "**Remove**".

Manage	e Wireless Networks - Warning!		
If you remove this network from the list you will no longer be able to connect to it automatically.			
	Do you wish to proceed?		
	OK Cancel		

Click "OK" when prompted to proceed.

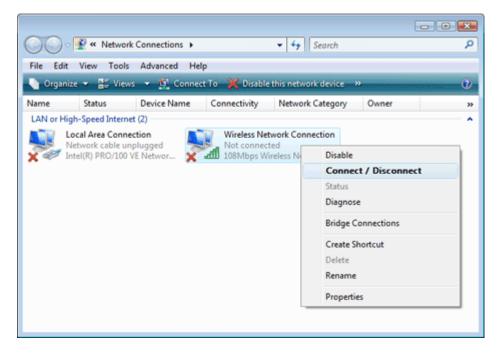
(Typically, a number of networks will be listed here. This is nothing to worry about. You can delete the other entries too. These are just stored settings and passwords for connecting to the listed networks.)

If your **SSID** is not listed, or you have just removed it, close this window and you should be returned to the "**Network and Sharing Center**".

5. Click on "Manage Network Connections" on the left-hand side.



6. Right-click on "Wireless Network Connection" and select "Connect / Disconnect".

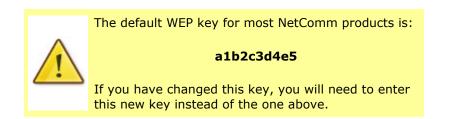




If you cannot see a "Wireless Network Connection" item, your wireless adapter may not be installed or inserted correctly. Please check this before continuing with steps in this guide. 7. You should see a network listed with the **SSID** you obtained at the start of this guide. Select your wireless network and click "**Connect**".

) 😰 Connect to a network Select a network to conr	nect to	63	
Show All	-		47
wireless	Security-enabled network		للد
Set up a connection or network Open Network and Sharing Cer			

If you are prompted to enter a "Security key or passphrase" (also known as a WEP or WPA key), please type the following into the "Security key or passphrase" section: a1b2c3d4e5 and click "Connect".



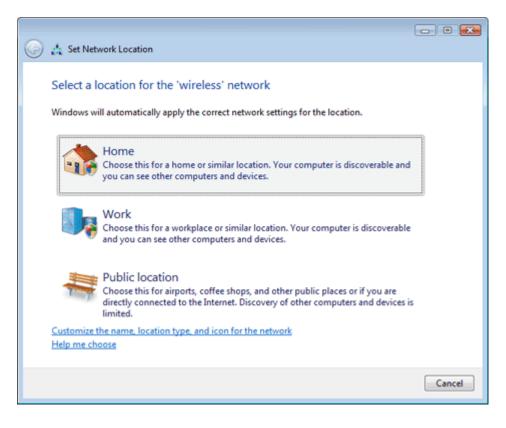
🕒 😵 Connect to a network	
Type the network security key or passphrase for wire	less
The person who setup the network can give you the key or passphras	e.
Security key or passphrase:	
I	
Display characters	
If you have a USB flash drive with network settings for wirele	ss, insert it now.
60°	
	Connect Cancel

9. You should then see the following page while the wireless connection is started:

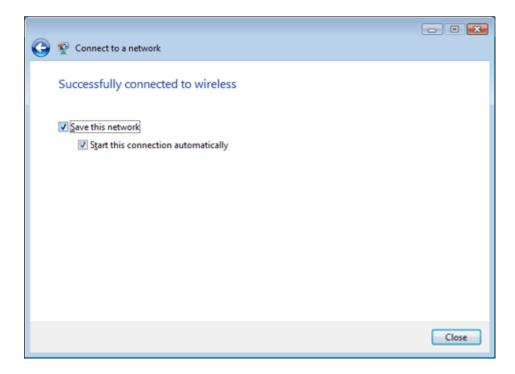
Connect to a network	
Connecting to wireless	
💐 ———— 💐	
	Cancel

10. You may see a window that asks you to "Select a location for the 'wireless' network".

Please select the "Home" location, as shown below:



- 11. You should then see a window prompting you to save the wireless connection.
  - Make sure "Save this network" is TICKED.
  - Make sure "Start this connection automatically" is TICKED.
  - Click "Close" to complete the wireless connection process.



After completing the steps above, you should now be connected to your wireless network and able to surf the internet.

Please remember to disconnect your ethernet cable.

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- Click on the Start Menu, and go to "Control Panel".
   Click on "Network and Sharing Centre". (If you only see "Network and Internet", open that first, and then click on "Network and Sharing Centre".)
- 3. You should then see the following window:

🔾 🗢 🐺 « Network and Inte	ernet > Network and Sharing Center - 47 Search Control Panel P
Control Panel Home Manage wireless networks	View your basic network information and set up connections  See full map  See full map
Change adapter settings Change advanced sharing settings	NETCOMMPC Internet (This computer)
	View your active networks Connect to a network You are currently not connected to any networks.
	Change your networking settings
	<ul> <li>Set up a new connection or network Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.</li> <li>Connect to a network Connect or reconnect to a wireless, wired, dial-up, or VPN network connection.</li> <li>Choose homegroup and sharing options Access files and printers located on other network computers, or change sharing settings.</li> </ul>
	Troubleshoot problems Diagnose and repair network problems, or get troubleshooting information.
See also HomeGroup	
Internet Options	
Windows Firewall	

If it is there, click on "Manage wireless networks" on the left-hand side. If it is not shown, please proceed to Step 5.

4. You should then see the following:

$\bigcirc$	🕞 🗕 🛃 «	Network and Internet	<ul> <li>Manage Wit</li> </ul>	reless Networks 👻 😽	Search Manage Wireless Networks 🛛 🔎				
	Manage wireless networks that use (Wireless Network Connection) Windows tries to connect to these networks in the order listed below.								
Add	d Remove	Adapter properties	Profile types	Network and Sharing Center	0				
Net	works you ca	n view, modify, and reo	rder (1)		~				
	wireless	Se Se	curity: WEP	Type: Any supported	Automatically con				
	5								
	_								
	wire wire	less Profile name: wire Security type: WE		Radio type: Any supported Mode: Automatically connect					

This window will list any wireless networks you have previously connected to. If you see an entry matching the **SSID** you obtained at the start of this guide, you will need to select it and then click "**Remove**".

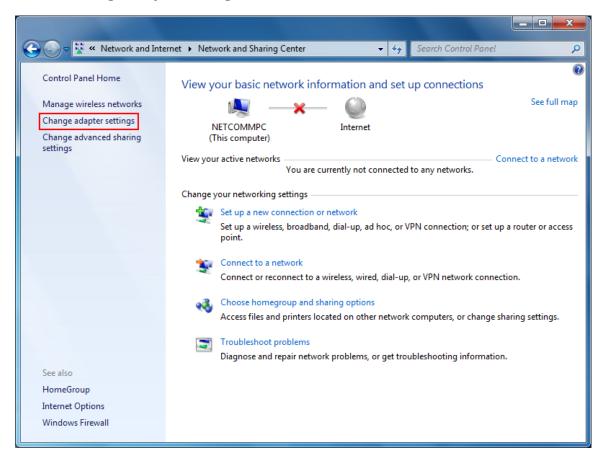


Click "Yes" when prompted to proceed.

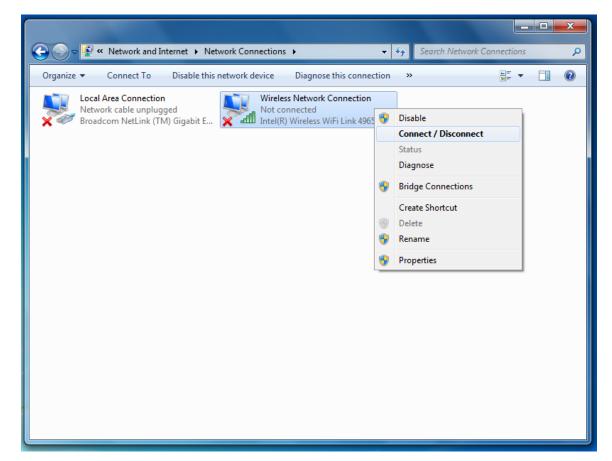
(Typically, a number of networks will be listed here. This is nothing to worry about. You can delete the other entries too. These are just stored settings and passwords for connecting to the listed networks.)

If your **SSID** is not listed, or you have just removed it, close this window and you should be returned to the "**Network and Sharing Center**".

5. Click on "Change Adapter settings" on the left-hand side.



6. Right-click on "Wireless Network Connection" and select "Connect / Disconnect".



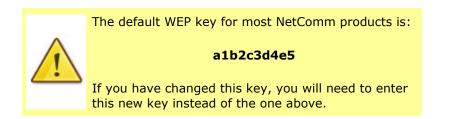


If you cannot see a "Wireless Network Connection" item, your wireless adapter may not be installed or inserted correctly. Please check this before continuing with steps in this guide.

7. You should see a network listed with the **SSID** you obtained at the start of this guide. Select your wireless network and click "**Connect**".

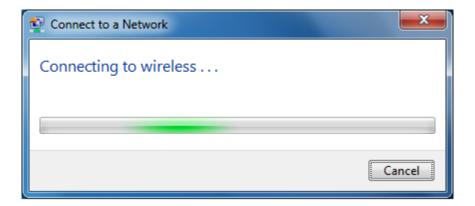
Not connected	
Connections are available	
wireless	
Connect automatically	
	III
	-
Open Network and Sharing Center	

8 If you are prompted to enter a "Security key or passphrase" (also known as a WEP or WPA key), please type the following into the "Security key" section: a1b2c3d4e5 and click "OK".



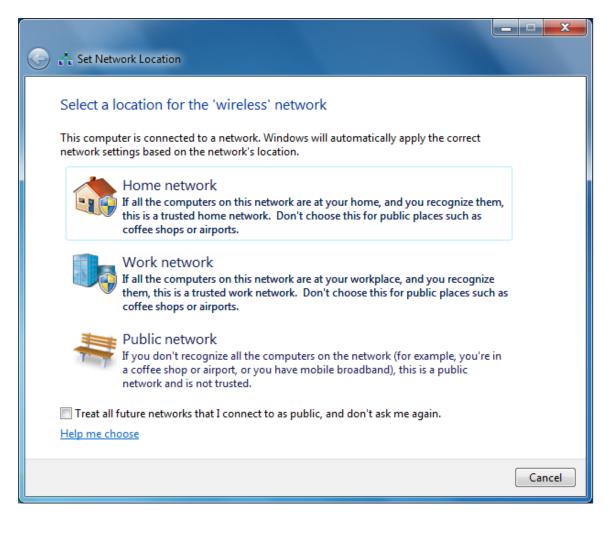
😰 Connect to a Net	work		×
Type the netwo	rk security key		
<u>S</u> ecurity key:	Hide characters		
		ОК	Cancel

9 You should then see the following displayed while the wireless connection is started:



10 You may then see a window that asks you to "Select a location for the 'wireless' network".

Please select the "Home" location, as shown below:



11 You may then see a window prompting you to setup a **"HomeGroup"**. Click **"Cancel"** on this.

You can come back and complete setting this up at any time by going to the **"Network and Sharing Centre"** and then clicking on the **"HomeGroup"** link at the bottom lefthandside of the **"Network and Sharing Centre"** window as shown below:

🕞 😔 🧟 💘 « Network and Inte	ernet 🔸 Network and Sharing Center	- 47 Search Control Panel					
Control Panel Home	View your basic network information	n and set up connections					
Manage wireless networks	🥾 —— 🍕	See full map					
Change adapter settings Change advanced sharing	WITCOMMPC wirele	ess Internet					
settings	(This computer) View your active networks	Connect or disconnect					
	wireless Home network	Access type: Internet HomeGroup: Joined Connections: Il Wireless Network Connection (wireless)					
	Change your networking settings         Image: Set up a new connection or network         Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.         Image: Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.         Image: Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.         Image: Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.         Image: Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.         Image: Set up a wireless, wired, dial-up, or VPN network connection.         Image: Set up a wireless, broadband, dial-up, or VPN network connection.         Image: Set up a wireless, broadband, dial-up, or VPN network connection.         Image: Set up a wireless, broadband, dial-up, or VPN network connection.         Image: Set up a wireless, broadband, dial-up, or VPN network connection.         Image: Set up a wireless, broadband, dial-up, or VPN network connection.         Image: Set up a wireless, broadband, dial-up, or VPN network connection.         Image: Set up a wireless, broadband, dial-up, or VPN network connection.         Image: Set up a wireless, broadband, dial-up, or VPN network connection.         Image: Set up a wireless, broadband, dial-up, or VPN network connection.						
See also HomeGroup Internet Options	Troubleshoot problems Diagnose and repair network problem	ns, or get troubleshooting information.					
Windows Firewall							

12 You can verify your wireless connection by clicking the "Wireless Signal" indicator in your system tray.



After clicking on this, you should see an entry matching the **SSID** you obtained at the start of this guide with **"Connected"** next to it.



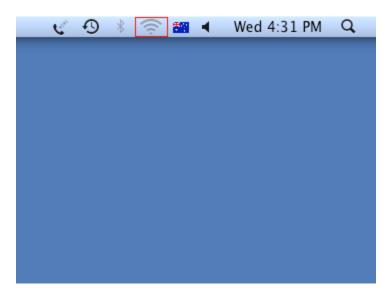
After completing the steps above, you should now be connected to your wireless network and able to surf the internet.

Please remember to disconnect your ethernet cable.

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1. Click on the **Airport** icon at the top right corner of the screen on the menu bar, as shown below.





If you cannot see an Airport icon, your wireless adapter may not be installed or inserted correctly. Please refer to your Mac user guide before continuing with the steps in this guide.

2. In the menu that is displayed, you will see a list of wireless networks in range. You should see a network listed with the **SSID** you obtained at the start of this guide.

Click on this **SSID** to elect to connect to this network.

	C D	*	$\widehat{\overline{\mathbb{T}}}$	*	•	Wed 4:24 PM	Q,
AirPort: On Turn AirPort Of	ff						
No network sel wireless	ected						
Join Other Netw Create Network Open Network	<b>.</b>	ices					

 If you are prompted to enter a "Security key or passphrase" (also known as a WEP or WPA key), please type the following into the "Security key or passphrase" section: a1b2c3d4e5 and click "OK".



The default WEP key for most NetComm products is:

### a1b2c3d4e5

If you have changed this key, you will need to enter this new key instead of the one above.

The network "wireless" requires a WEP
password.
Password:
Show password           Remember this network
Cancel OK

(If you have entered an incorrect wireless security key, a message will appear, and you will be prompted to try entering the correct key again. When you enter the correct wireless security key, this window should disappear.)

4. The Airport icon will now have black lines to indicate signal strength. To see if the wireless is connected, click on the Airport icon again. The network that has a **TICK** next to is the network that you are currently connected to.

	C	Ð	* 🤅	**	•	Wed 4:29 PM	Q
AirPort: On Turn AirPort C	Off						
✓ wireless							
Join Other Net Create Networ Open Network	rk		ces				

After completing the steps above, you should now be connected to your wireless network and able to surf the internet.

Please remember to disconnect your ethernet cable.

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### **Enabling Wireless Zero Configuration**

Some wireless adapters have a 3rd party utility installed which controls the configuration and connection profiles of the wireless adapter.

In these cases, it is necessary to enable a service called "Wireless Zero Configuration". The steps to do this are listed below:

- 1. Click on the Start Menu. Click on "Run", and type: services.msc <and then click "**ОК**″>.
- 2. Scroll down to the bottom of the list and locate the service called "Wireless Zero **Configuration**" and double left click on it.
- 3. Change the "Startup type" to "Automatic", and then check the "Service status" below this;

- If the "Service status" is "Started", click "OK".
- If the "Service status" is "Stopped", press the "Start" button on the lower left

- side of the window and then wait until the service has started. When it has, click "OK".
- 4. Close the Services window.