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(for Windows XP, Windows Vista, Windows 7 and Mac OSx)

<u>(3GM2Wn)</u>

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".
- 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".
- 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 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.



2. Use "admin" for the username and "admin" for the password. Click on Wireless from the left-hand tab.

And include the second s	_			
(←) ((((192.168.20.1./index.htm (🥘 Basic	Wireless ×		
File Edit View Favorites Tools Help				
🟠 • 🗟 • 🗆 🖶 • 🕞• Ø• 🐠 🖏				
NetGomm	Status	Wireless (WiFi) SSID Broadcast	© On ● Off © Enable ● Disable	
	Wiroless	WIFI Network Name(SSID) (This is the name of your personal wireless wireless networks to connect to.)	NetComm Wireless	
	Mobile Broadband	Security Key Save and appl	a1b2c3d4e5	
NetComm	WAN			
		Switch to advanced view		

- 3. Please ensure Wireless (WiFi) is set to on and SSID Broadcast is set to Enable.
- 4. The default WiFi Network Name (SSID) will be NetComm Wireless. You may change this if desired.
- 5. The default Security Key will be a1b2c3d4e5. You may also change this if desired.
- 6. Click Save/Apply to implement any changes made.

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:







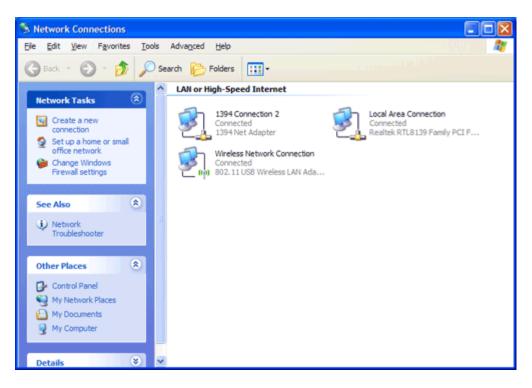


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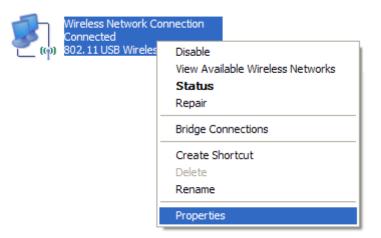


1. Click on the Start Menu and then "Run". Type: ncpa.cpl <and click "OK">

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 refer to the steps 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 networks:
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:
Wireless (Automatic)
Move down
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.

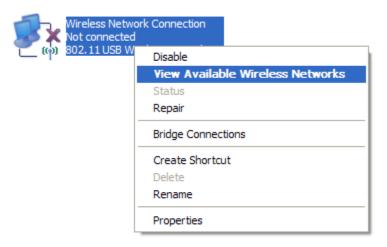
This window will list any wireless networks you have previously connected to. If you see an entry matching the **SSID** you obtained at the start of this guide, you will need to select it and then click "**Remove**".

(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.)

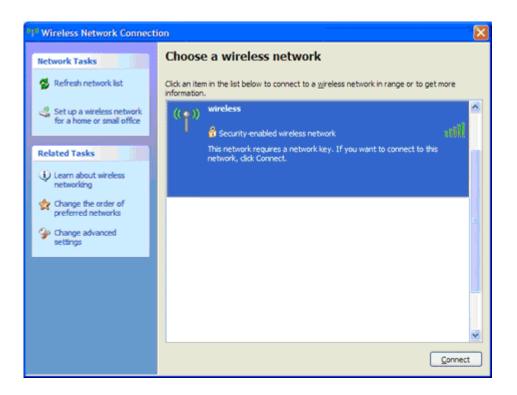
If your **SSID** is not listed, or you have just removed it, click "OK".

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**".

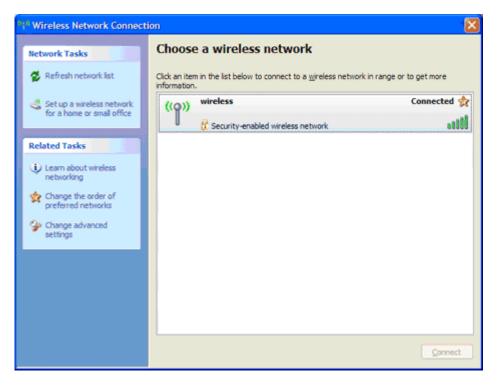


6. If you are prompted to enter a "Network key" (also known as a WEP or WPA key), please type the following into the "Network key" and "Confirm network key" sections: a1b2c3d4e5 (all in lowercase) and click "Connect".

	The default WEP key fo	r most NetComm products is:				
<u>^</u>	a1b2c3d4e5 If you have changed this key, you will need to enter this new key instead of the one above.					
	Wireless Network Conne	ection				
	The network 'wireless' require network key helps prevent ur					
	Type the key, and then click (Connect.				
	Network <u>k</u> ey:					
	Confirm network key:					
		<u>C</u> onnect	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.)



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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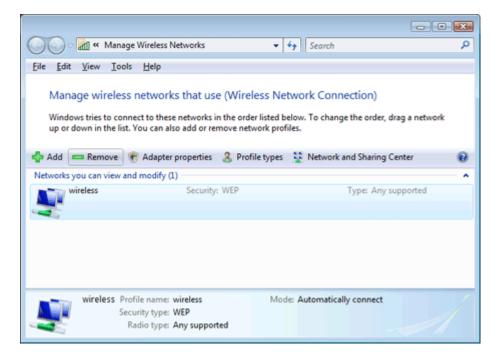


- Click on the Start Menu, and go to "Control Panel".
 Click on "Network and Sharing Centre". (If you only see "Network and Internet", open that first, and then click on "Network and Sharing Centre".)
- 3. You should then see the following window:

🚫 💭 – 🔽 « Network and Inter	net 🔸 Network and Sharing Center	✓ 4y Search	٩
Tasks View computers and devices Connect to a network	Network and Sharing Center		View full map
Manage wireless networks Set up a connection or network Manage network connections	NETCOMM_PC (This computer)	Internet	
Diagnose and repair	Not connected		
	Wireless networks are available. Connect to a network		
See also			
Infrared			
Internet Options			
Windows Firewall			
Wireless Configuration Utility			

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**".

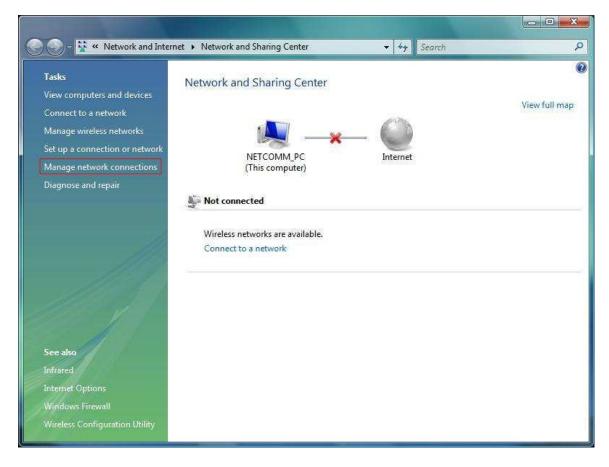
e Wireless Networks - Warning!
If you remove this network from the list you will no longer be able to connect to it automatically.
Do you wish to proceed?
OK Cancel
•

Click "OK" when prompted to proceed.

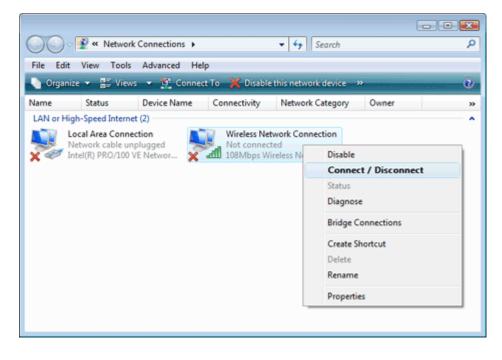
(Typically, a number of networks will be listed here. This is nothing to worry about. You can delete the other entries too. These are just stored settings and passwords for connecting to the listed networks.)

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".





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**".

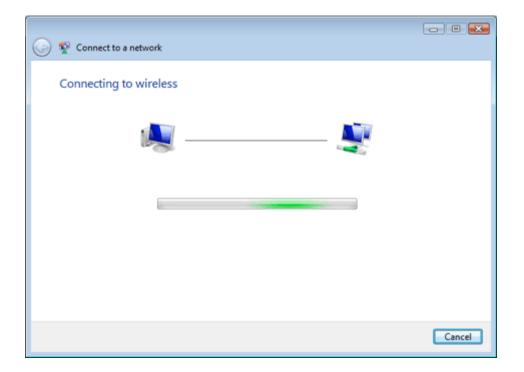
Show All	connect to	4
wireless	Security-enabled network	llte

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 or passphrase" section: a1b2c3d4e5 and click "Connect".

	The default WEP key for most NetComm products is:
\wedge	a1b2c3d4e5
<u> </u>	If you have changed this key, you will need to enter this new key instead of the one above.

Connect to a network	- • •
Type the network security key or passphrase for wireless The person who setup the network can give you the key or passphrase.	
Security key or passphrase:	
Display characters	
If you have a <u>USB flash drive</u> with network settings for wireless, insert it now.	
Connect	Cancel

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

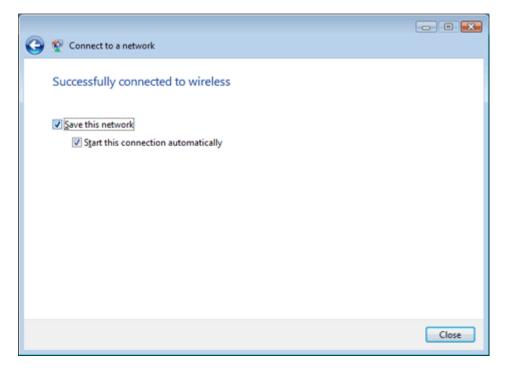


10. You may see a window that asks you to "Select a location for the 'wireless' network".

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

🕞 🚠 Set Network Location	- • •
Select a location for the 'wireless' network Windows will automatically apply the correct network settings for the location.	
Home Choose this for a home or similar location. Your computer is discoverable and you can see other computers and devices.	
Work Choose this for a workplace or similar location. Your computer is discoverable and you can see other computers and devices.	_
Public location Choose this for airports, coffee shops, and other public places or if you are directly connected to the Internet. Discovery of other computers and devices is limited.	
Customize the name, location type, and icon for the network Help me choose	
	Cancel

- 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.



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

Network and Sharing Center
View your basic network information and set up connections
hange your networking settings Image your networking settings 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 your network Connect to a network Connect to a network Connect to a network Connect or reconnect to a wireless, wired, dial-up, or VPN network connection. Image your network Connect or reconnect to a wireless, wired, dial-up, or VPN network connection. Image your network Choose homegroup and sharing options Access files and printers located on other network computers, or change sharing settings. Image your network Image your network
Diagnose and repair network problems, or get troubleshooting information.

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:

	dows tries Remove	to connect to these ne Adapter properties	etworks in the or Profile types	rder listed below. Network and Sharing Center	
COCATANA CO	wireless	view, modify, and reo Sec	order (1) ocurity: WEP	Type: Any supported	Automatically con

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**".

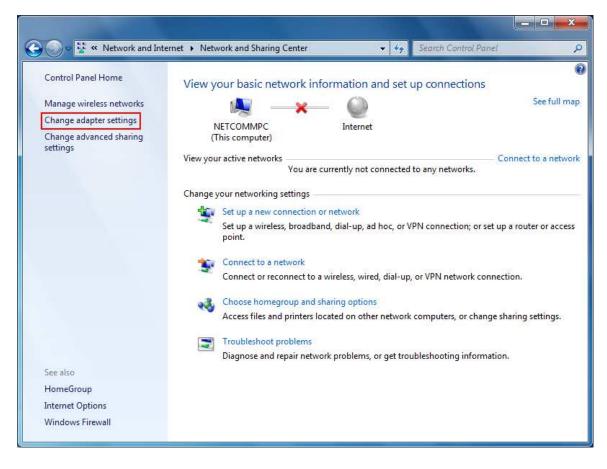


Click "Yes" when prompted to proceed.

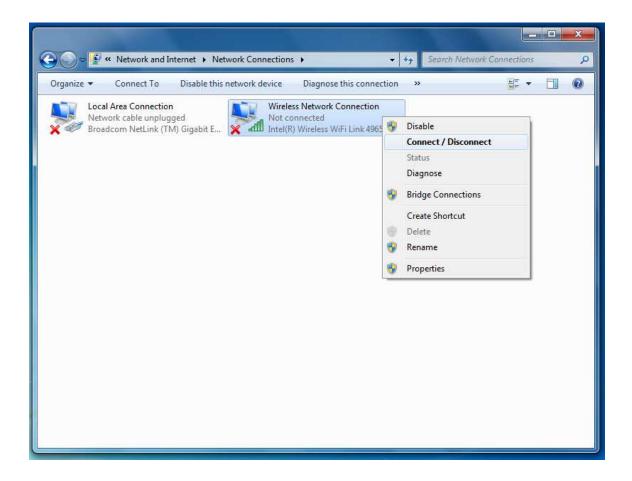
(Typically, a number of networks will be listed here. This is nothing to worry about. You can delete the other entries too. These are just stored settings and passwords for connecting to the listed networks.)

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**".



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**".

	The default WEP key for	r most NetComm products is:		
\wedge	a1	b2c3d4e5		
	If you have changed this key, you will need to enter this new key instead of the one above.			
	Connect to a Networ	k		
	Type the network	security key		
	Security key:	2		
		Hide characters		

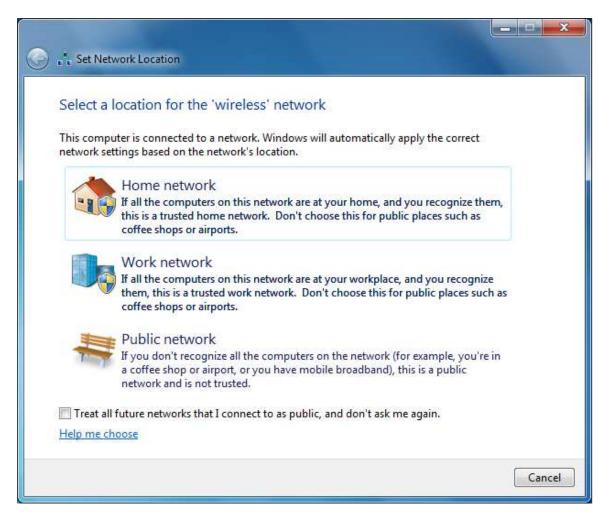
Connect to a Net	work	×
Type the netwo	ork security key	
<u>S</u> ecurity key:	Hide characters	
		OK Cancel

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

Connect to a Network	
Connecting to wireless	
	Cancel

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 In	ternet Network and Sharing Center	
Control Panel Home	View your basic network informati	ion and set up connections
Manage wireless networks	🔍 —— ն	n See full n See full n
Change adapter settings	NETCOMMPC wir	reless Internet
Change advanced sharing	(This computer)	
settings	View your active networks	Connect or disconn
		Access type: Internet
	wireless	HomeGroup: Joined
	Home network	Connections: <u>utfl</u> Wireless Network Connecti (wireless)
	Change your networking settings	
	Set up a new connection or netwo	rk
	Set up a wireless, broadband, dial- point.	up, ad hoc, or VPN connection; or set up a router or acce
	Connect to a network	
	Connect or reconnect to a wireless	;, wired, dial-up, or VPN network connection.
	Choose homegroup and sharing o	ptions
	Access files and printers located or	n other network computers, or change sharing settings.
See also		
HomeGroup	Troubleshoot problems	
Internet Options	Diagnose and repair network probl	lems, or get troubleshooting information.
Internet Options		

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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 Wed 4:31 PM Q
- 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.

Turn AirPort Off No network selected			
wireless	•		
Join Other Network Create Network Open Network Preferences			

 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.

Password:			The network password.
0			2
Show password	Password:		Password:
	Show password		
Remember this network	Remember this network	Remember this network	

(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.

	00	?	***	Wed 4:29 PM	Q,
AirPort: On Turn AirPort C	Off				
✓ wireless		۵			
Join Other Net Create Networ Open Network	r <mark>k</mark>	·s			
	-				

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:

- Click on the Start Menu. Click on "Run", and type: services.msc <and then click "OK">.
- 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.