

Wireless Router

Quick Start Guide

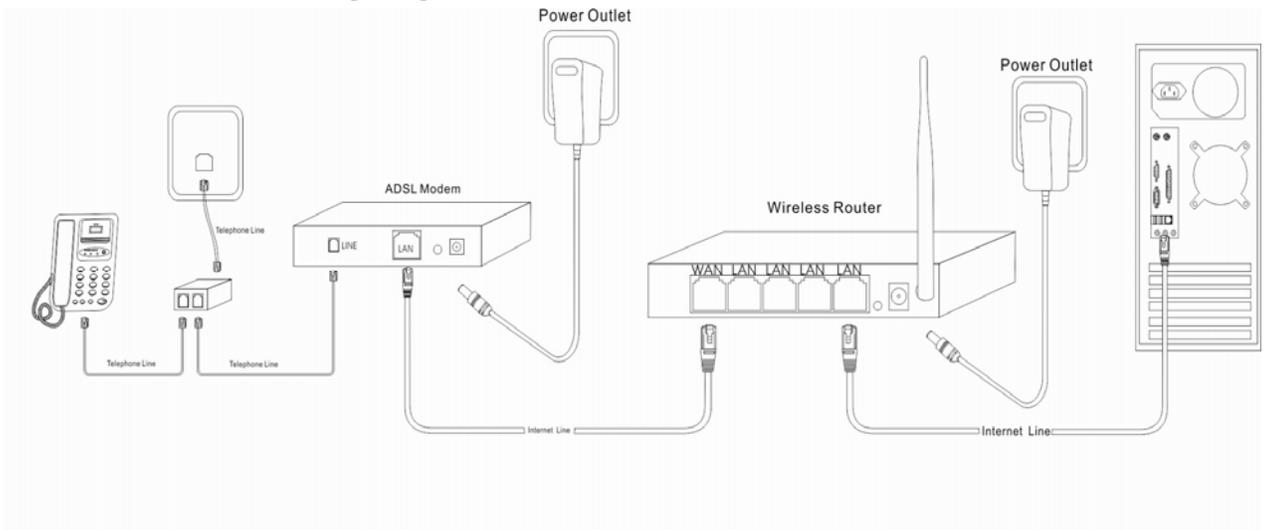
Rev. 1.0a



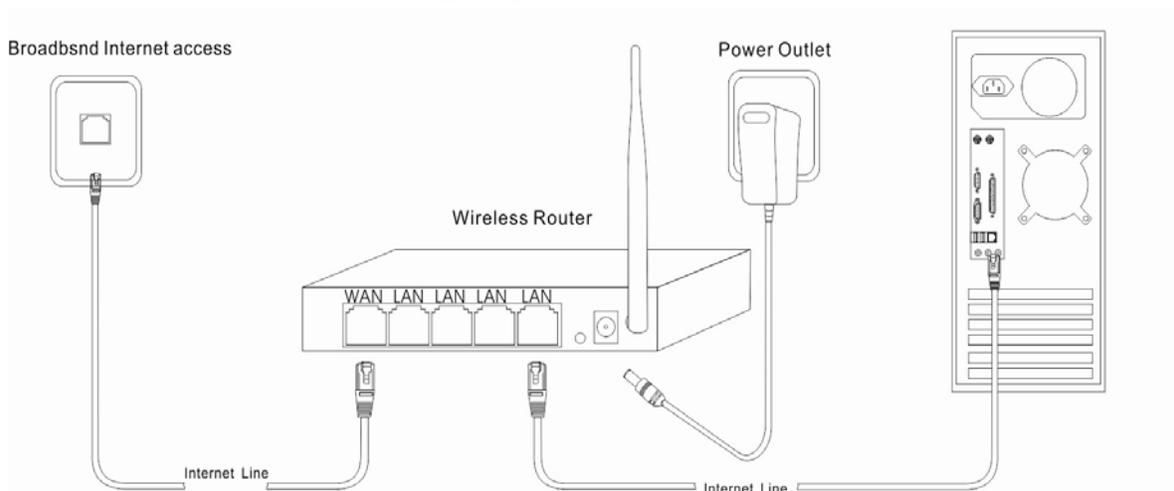
Model WR300NQ

Step One: Hardware Connection

1. If you have xDSL Broadband internet access, connect your hardware as shown in the following diagram:



2. If you have Residential Broadband internet access, connect your hardware as shown in the following diagram:



After the hardware connections have been completed, check the status of the LED Indicators using the following table:

LED Indicator	Description	Normal Status
POWER	Power Status Indicator	Steady Light
SYS	System status Indicator	Steady Light or Slow Flashing
WLAN	Wireless Status Indicator	Steady Light or Slow Flashing
WPS	Wi-Fi protected status indicator	Steady Light or Flashing When Pairing
WAN	Broadband Network Status Indicator	Steady Light or Slow Flashing
1-4 LAN Port	LAN (Local Area Network) indicator	Steady Light or Slow Flashing



Note: If the LED indicator is not displaying a “Normal Status” as described in the table above, please check the associated hardware and connections.

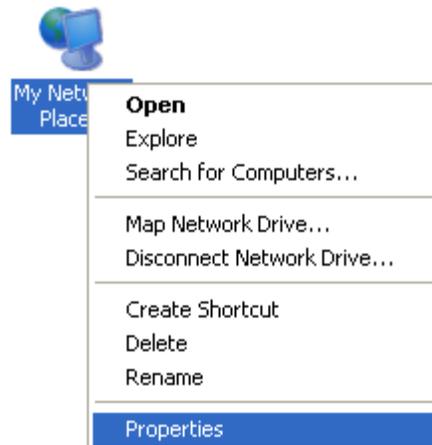
Safety Notice

- Operating Position: The device should be placed on a flat horizontal surface, or secured safely to a wall.
- Operate equipment away from heat sources.
- Provide good air ventilation.
- Keep away from water and damp areas.
- Disconnect power from the device during severe thunderstorms.
- Use only the included AC power adapter.

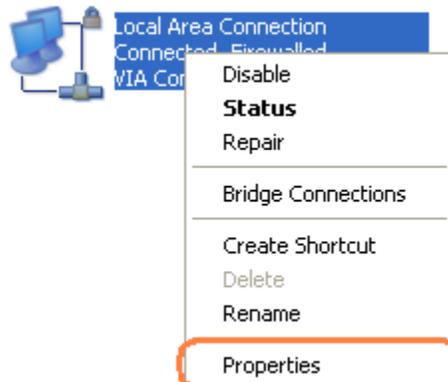
Step Two: Set up the computer

✧ Installation on a Windows 2000 or Windows XP system

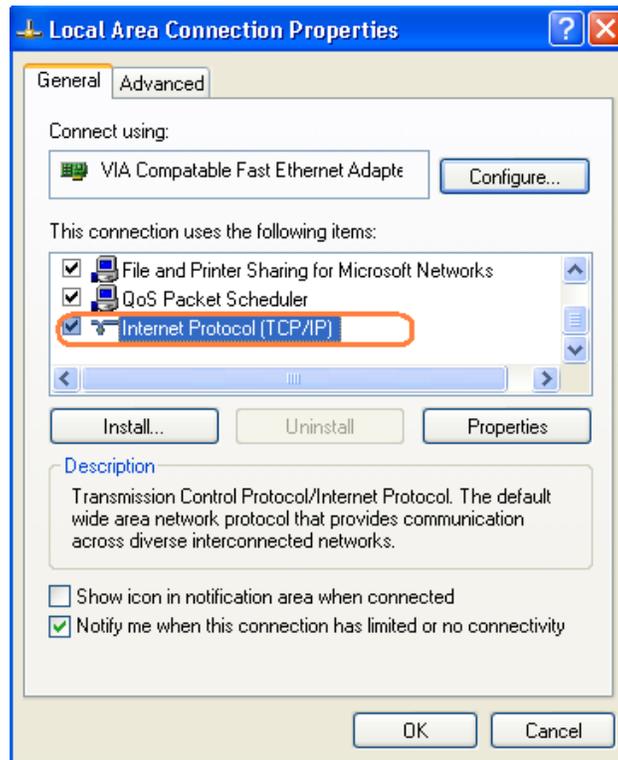
1. Right click on “My Network Places” and choose “Properties”.



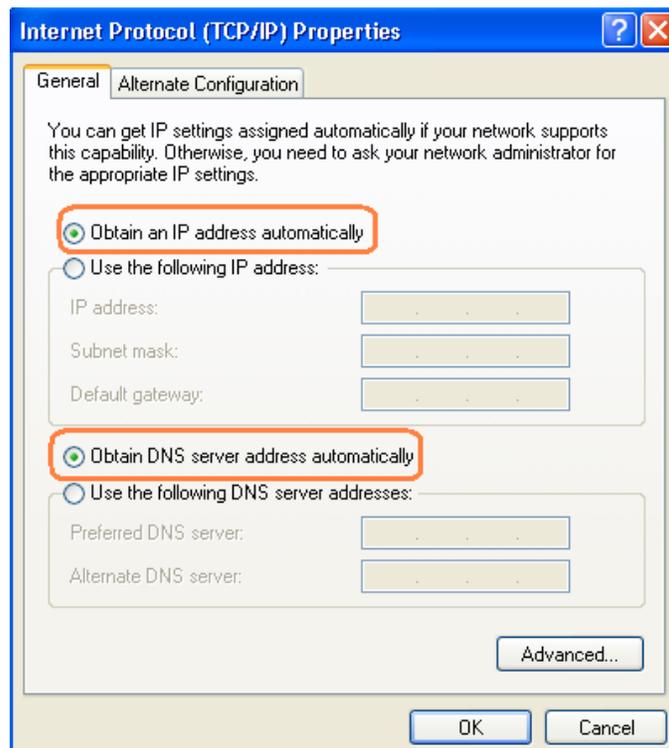
2. Right click on “local Area Connection” and choose “Properties”.



3. Double click on “Internet Protocol (TCP/IP)”

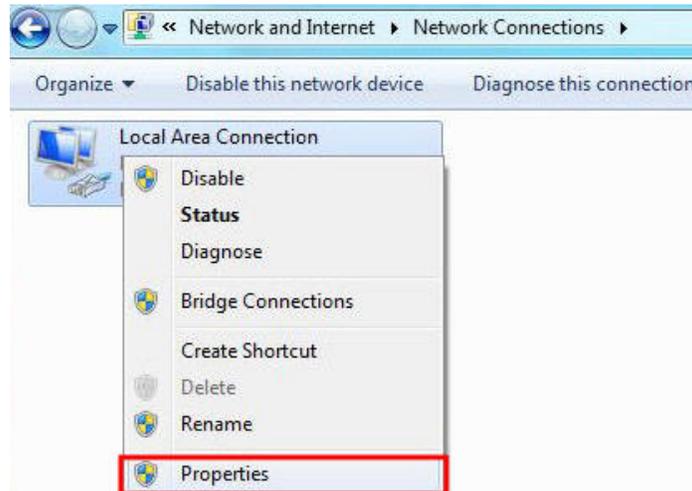


4. Choose “Obtain an IP address automatically”, then choose “obtain DNS Server Address automatically”, click the “OK” button.

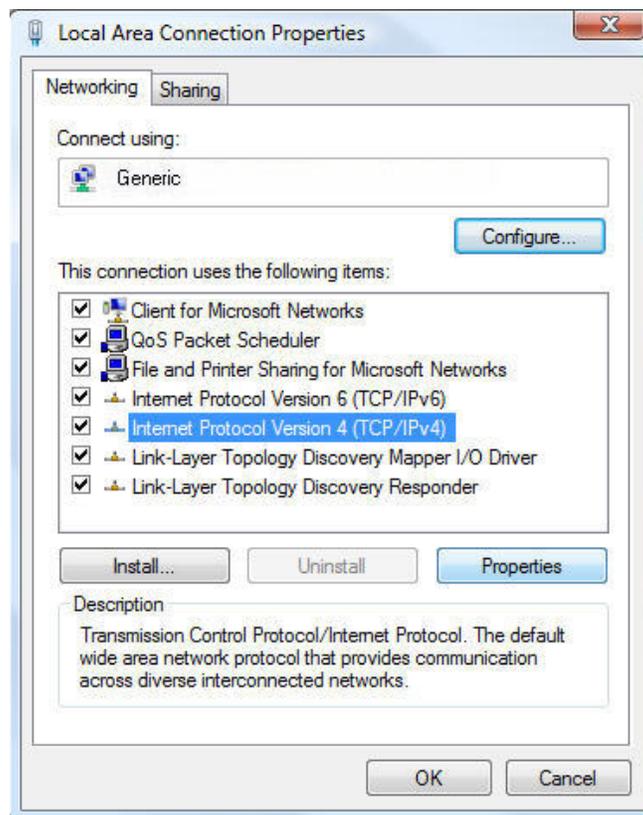


✧ Installation on a Windows Vista or Windows 7 system

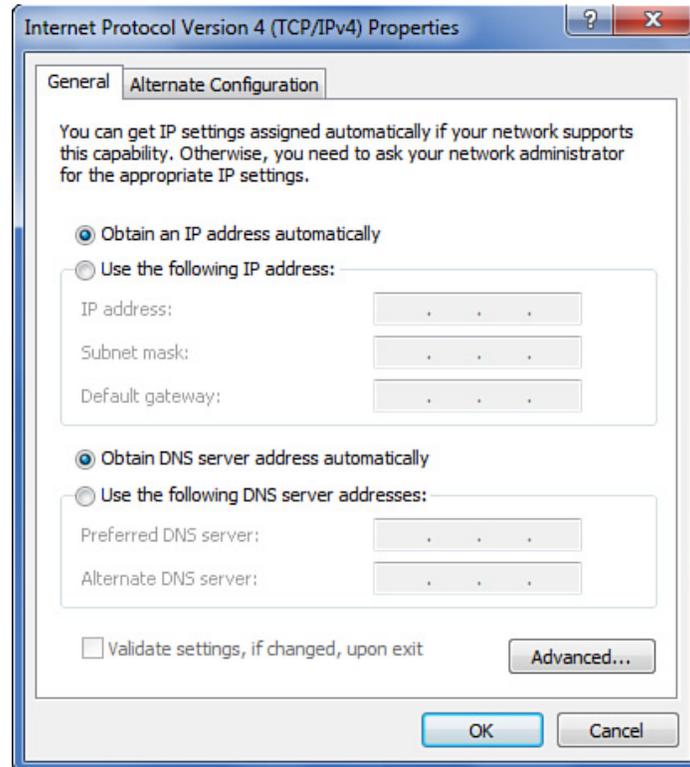
1. Click on “start”, then select “Control Panel”, then select “Network and Internet”, and then you should see “local Area Connection”. Right click “Local Area Connection”, and then choose “Properties”.



2. Double click on “Internet Protocol Version4 (TCP/IPv4)”.



3. Choose “Obtain an IP address automatically” then choose “Obtain DNS Server Address automatically”, then click the “OK” button.



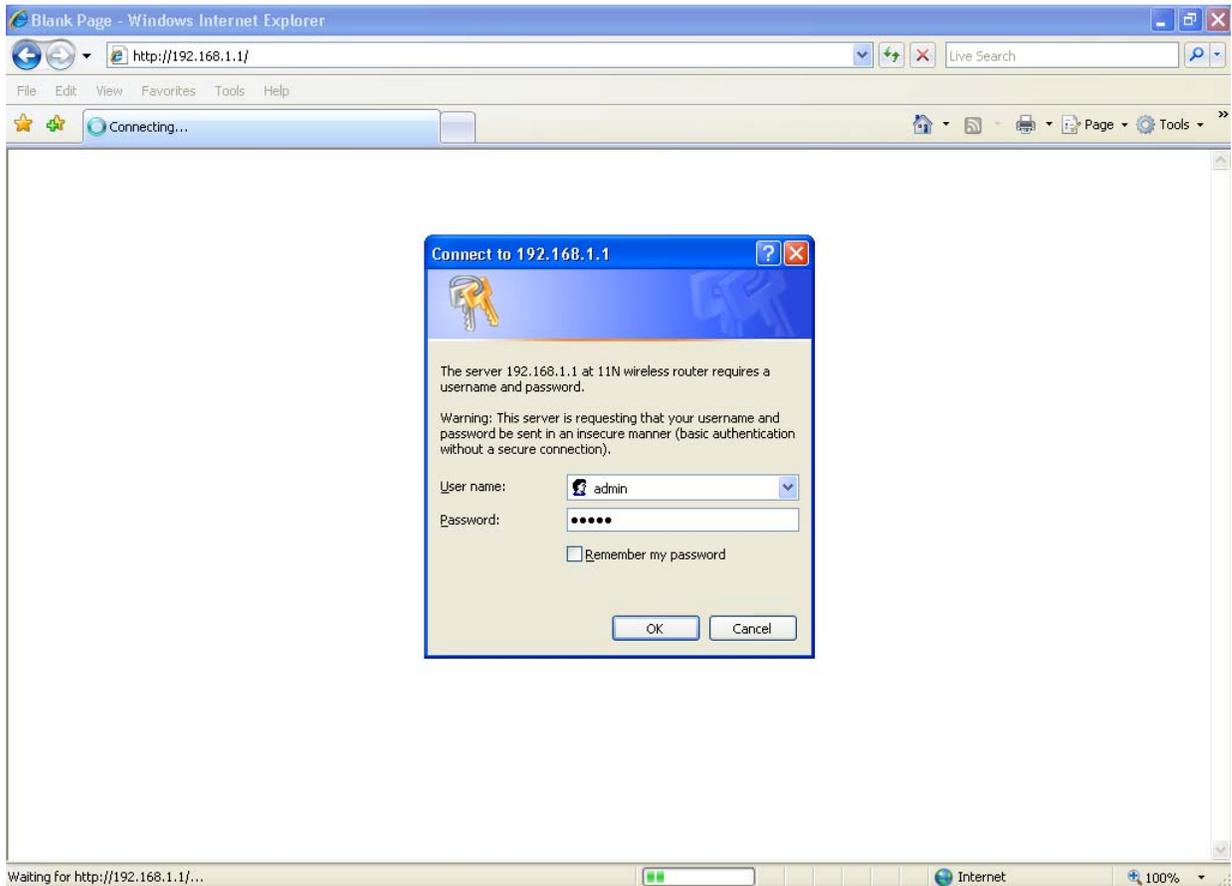
Step Three: Using the Setup Wizard

1. Open a web browser.



Note: The default wireless IP address for the wireless router is **192.168.1.1**, the default **Subnet Mask** is **255.255.255.0**

2. Type “**http://192.168.1.1**” in the Address field of your web browser and press the “Enter” key. A User Name and Password dialog box will appear. The default User Name is “admin” and the default password is “admin”, enter the user name and password then click the “OK” button.



3. After a successful login, the router setting Wizard will appear, click the “Next” button.



4. Determine which of the three listed ISP access methods is used by your internet service provider.

Wizard

The router supports three popular means of access, please choose according to their own situation.

Ethernet broadband, Internet service providers a fixed IP address (static IP).

Ethernet broadband, service provider automatically obtain IP from the network address (dynamic IP).

Virtual dial-up ADSL (PPPoE).

(Do not include '-' or ':' or all '0' show disable the MAC address clone.)

MAC Address:

5. Select the Internet Parameter choice, and click the “Next” button.

If you chose **Static IP**:

If your broadband internet service provider assigned you a fixed IP address, enter the Server IP Address, Subnet Mask and DNS parameters provided by your broadband internet service provider. Click the “Next” button.

Wizard

Ethernet broadband services you request, and have a fixed IP address, Internet service providers will provide you with some basic network parameters, please fill in the corresponding box. If you forget or do not know, please consult your network operator.

IP Address:

Subnet mask:

Default Gateway:

Preferred DNS:

If you chose **Dynamic IP**:

If your broadband internet service provider delivers a dynamically assigned IP address, the wireless router can automatically obtain the IP address from your broadband internet service provider. Click the “Next” button.

Wizard

Automatically obtain IP address

If you chose **ADSL Virtual dial-up**:

If your broadband internet service provider delivers a PPPoE dial-up / virtual dial-up service compatible with ADSL and Residential broadband Internet access, type in the “Account“ name and “Password” provided by your broadband internet service provider. Click the “Next” button.

The screenshot shows a window titled "Wizard" with a blue header. Below the header, there is a paragraph of text: "You apply for ADSL virtual dial-up service, Internet service providers will provide you with online account and password, please fill in the corresponding box. If you forget or do not know, please consult your network operator." Below this text are two input fields: "Account:" with the text "adsluser" and "Password:" with three black dots. At the bottom right, there are two buttons: "Back" and "Next".

6. Set the wireless parameters:

SSID: Names the wireless router so it can be identified by devices that access it. The name can contain letters and numbers.

Channel: Choose the wireless channel you wish to use.

Wireless Encryption: Choose the type of encryption you wish to use.

Wireless Password: Choose a password for your wireless network.

You will need to know the password to access your wireless router.

The screenshot shows a window titled "Wizard" with a blue header. Below the header, there is a paragraph of text: "This page of the wizard to set the basic parameters of the wireless network router." Below this text are four input fields: "SSID:" with the text "wireless 11n", "Channel:" with a dropdown menu showing "9", "Wireless Encryption:" with a dropdown menu showing "Encryption (WPA)", and "Wireless Password:" with an empty text box. At the bottom right, there are two buttons: "Back" and "Finished".

Click “Finished”, and Wait 30 seconds for the configuration to complete.

Change setting successfully!

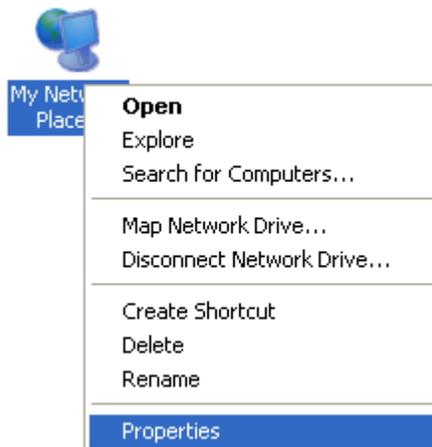
Do not turn off or reboot the Device during this time.

Please wait 28 seconds ...

Step Four: Wireless Settings in Windows

If you need to set up a computer to access the wireless router, make sure the computer has an internal or external wireless adapter. Make sure the wireless adapter drivers have been installed on the computer. If you have a Windows XP operating system, follow the steps below, otherwise, use the steps as a guideline for your other operating system.

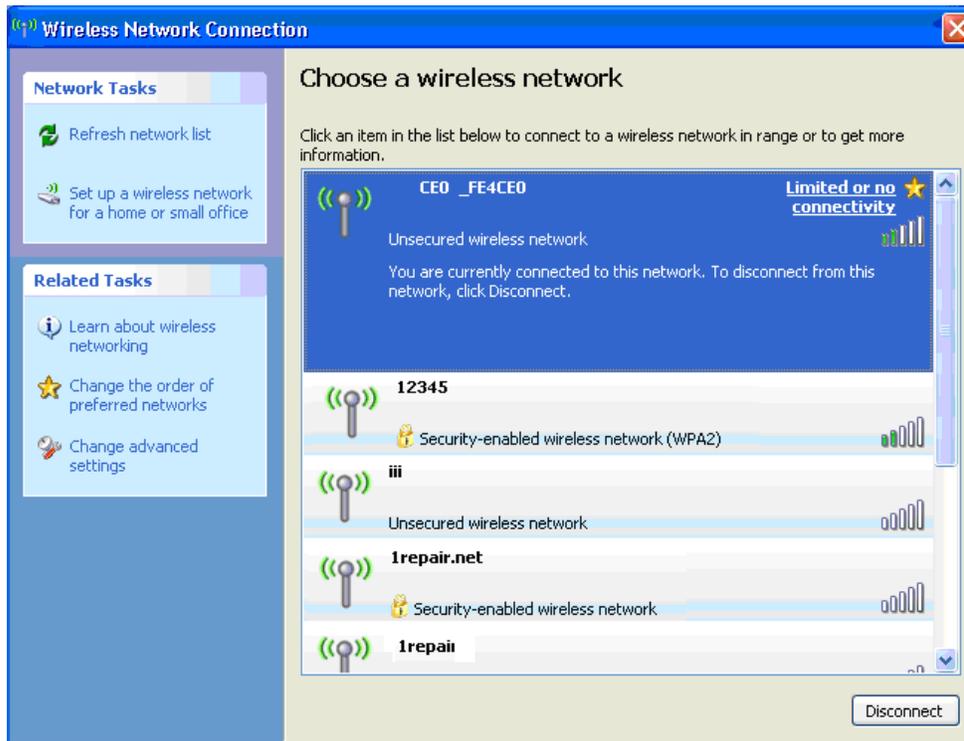
1. Right click on “My Network Places” and choose “Properties”.



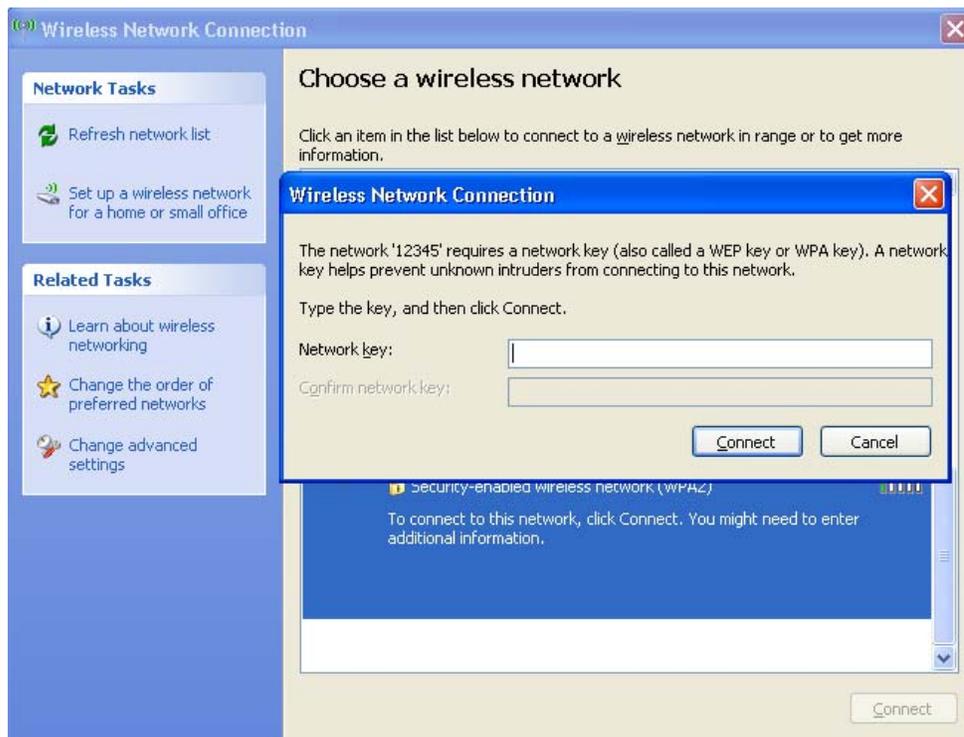
2. Select “Wireless Network Connection”, then right-click, and choose “View Available Wireless Networks”.



3. Click on “Refresh Network List”, then choose a router name (SSID) from the list of wireless network by double clicking on the name.



4. A dialog box requesting the “wireless parameters” password” will be displayed, enter the password and click “Connect”



WI-FI Protected Setup (WPS)

A “WPS” button is provided on the wireless router that allows push-button security setup with other client Wi-Fi devices that support WPS. Some wireless adapters provide an external WPS button for setting up Wi-Fi Protected Setup. Some devices may have a menu selection instead of a push-button for WPS setup.

The following steps are used to set up Wi-Fi Protected Setup security:

1. Install the wireless adapter(s) and driver(s) to be used with the router
2. Enable the wireless adapter.
3. Enable router to use the WPS function.
4. Press and hold down the WPS button on the router about 3-5 seconds until the “WPS” light starts to blink, then release the button.
5. Press and hold down each wireless adapter "WPS" button for 3-5 seconds until the WPS status tray displays "Start to Search AP", then release the button.
6. The wireless router “WPS” status LED should light solid indicating that it has connected to the access point.

Factory Reset:

If you forget the login user name and password and cannot access the router configuration interface, you can reset the router to the factory default settings using the following procedure:

While the unit is powered on, use a toothpick or sharp object to hold down the recessed "RESET" button for 10 seconds, then release. Wait for the router to reboot. All router settings will be set to the factory default values.



Note: After a reset, the router's configuration parameters will be cleared and restored to the factory default setting.

To reduce exposure to radio frequency emissions, the wireless router should be kept at least 20 cm away from people.

Helpful Hints:

The computer or Wi-Fi device searches, but cannot connect to the wireless router.

- 1) Make sure you are connecting to the correct SSID.
- 2) Make sure the wireless signal strength is adequate. If the signal strength is low, adjust the location of the wireless router or move the access point closer to it.
- 3) Try refreshing the wireless network list, then re-connect to the wireless network.
- 4) Follow the laptop or wireless network card manufacturer recommendations regarding the Wi-Fi parameter settings for connecting to a wireless LAN.
- 5) Re-boot the computer, or power-down and re-start wireless adapter.

If still cannot connect, please complete a factory reset of the router, then try connecting again.

The computer is unable to search for a Wi-Fi signal.

- 1) Please check whether the wireless function has been enabled on your computer or Wi-Fi device..
- 2) Please check whether the wireless adapter driver has been installed successfully, if necessary, re-install the driver.
- 3) Please check that the router's wireless function has been enabled and is allowing the "SSID" to be broadcast.
- 4) Please check that the wireless service on your computer is turned on.
Example: (Windows XP) Right click on "my computer", then choose "manage", then choose "Services and Applications", then choose "services". Search the list for "wireless Zero configuration", select it then Confirm "wireless Zero configuration" "startup type" is set to "Automatic".
- 5) Let Windows manage the wireless service. Example: (Windows XP) Right click on "My Network Places", then choose "wireless network connection", then select "let Windows to configure my wireless network settings" and click the "OK" button.

If you still cannot connect to the wireless network, try a second wireless adapter. If the second wireless adapter cannot connect, please complete a factory reset of the router, then try connecting again.

FCC ID: Y2PWR300NQ

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

In order to comply with RF exposure requirements, a minimum distance of 20 cm must be maintained between the antenna and all persons