Wireless-N Mini Router

User Manual

Quick Installation Guide

Applicable Model:

GX-WRP300-C

Product Overview

The Wireless-N MiNi Router is a combined wired/wireless network connection device specifically for small business,office and home networking requirements. It complies with the IEEE 802.11N standard. It adopts MINO as SST technologies. It also works well with other 11b/g and 11n protocol wireless products. Create instant WiFi hotspots at any location where you have Internet connection.

Main Features

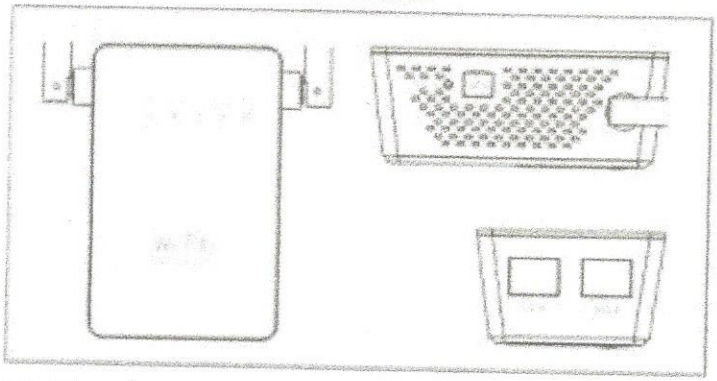
- Complies with IEEE 802.11B/G/N standards.
- Supports Router,Client,Bridge,Repeater and AP mode.
- Compact and portable, powerful wireless signal as well.
- Travel size design,ideal for home or travel ues.
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions.

Package Contents

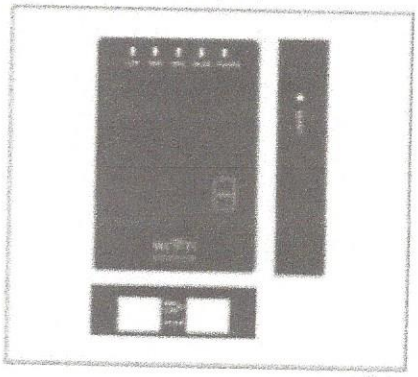
1xWireless-N MiNi Router
1xRJ-45 Network Cable
1xQuick Installation Guide

Appearance

WR02E



WR02



LED Explanation

POWER LED	**NO:**The device is power on **OFF:**The Device is not receiving electrical power
WLAN LED	Wireless signal
WPS LED	**Flashing:**WPS connection is established or WPS signal of another device is expected

LAN LED	**ON:**The LAN port is connect **OFF:**The LAN port is disconnected **Flashing:**Transferring data to/from a network device
WLAN LED	**ON:**The WLAN port is connect **OFF:**The WLAN port is disconnected **Flashing:**Transferring data to/from a network device

Button Explanation

WPS Button: If your Wireless Router or Wireless Adapter supports WPS function, you can press the WPS button and then press the WPS button to establish a secure connection between the Wireless Router and The Wireless-N MiNi Router or Wireless Adapter and The Wireless-N MiNi Router.

Reset Button: This button is used to restore The Wireless-N MiNi Router's factory default settings.

There are two ways to reset the WiFi Extender:

Option One: With The Wireless-N MiNi Router powered on, use a pin press the Reset Button until the WPS LED turn on momentarily, then release the button and wait The Wireless-N MiNi Router to reboot to its factory default settings.

Option Two: Restore the default setting from "***Advance->System->Load default***" of The Wireless-N MiNi Router's Web-based Management page.

Getting Started

Setting up a Wireless Infrastructure Network

For a typical wireless setup at home(as shown above),Please do the following:

1.You will need broadband Internet access(a ADSL, Cable Modem line into your home or office).

2.Consult with your ADSL or Cable Modem provider for proper installation of the modem.

3.Connect the ADSL or Cable Modem to the Wireless-N MiNi Router.Plug the power plug of the Router in electrical wall socket.

4.Adding computers to the Wireless-N MiNi Router.

IMPORTANT NOTE

When to reset?

1) When you fail to connect your devices with this Wireless-N MiNi Router.
2) When you move the Wireless-N MiNi Router to another place where the IP address of the WiFi Repeater differs from the previous one.
3) You mistakenly enter the password and click "save", or you forget the password.

Quick Installation Guide

This chapter will show you how to configure the basic functions of the Wireless-N MiNi Router using **Quick Setup Wizard** within minutes.

Connect your computer to the router (Wired or Wireless)

Wired

Turn off Wi-Fi on your computer and connect the devices as shown below.

Wireless

Connect wirelessly by using the SSID (Network Name) and Wireless Password/PIN printed on the product label at the bottom of the router.

TIP: *You can also connect the* Wireless-N Router by *using WPS.For more information, see "Using WPS" on page 10.*

TCP/IP Configuration

The default domain name of the Wireless-N Router is http://192.168.1.254, the default IP address is 192.168.1.254, and the default Subnet Mask is 255.255.255.0. These values can be changed as you desire. In this guide, we use all the default values for description.

Connect the local PC to the LAN ports of the router. And then you can configure the IP address for your PC in the following two ways.

- Configure the IP address manually

1) Set up the TCP/IP Protocol for your PC. If you need instructions as to how to do this, please refer to Appendix A: Configuring the PC.
2) Configure the network parameters. The IP address is 192.168.1.xxx ("xxx" is any number from 1 to 253), Subnet Mask is 255.255.255.0, and Gateway is 192.168.1.254 (The router's default IP address)

- Obtain an IP address automatically

1) Set up the TCP/IP Protocol in "Obtain an IP address automatically" mode on your PC. If you need instructions as to how to do this, please refer to Appendix A: Configuring the PC.
2) Then the built-in DHCP server will assign IP address for the PC.

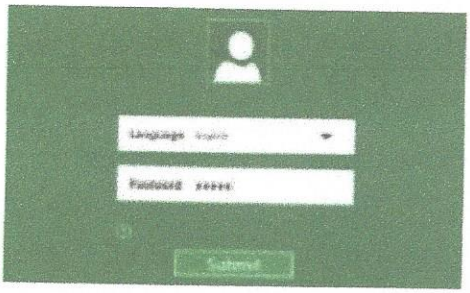
Quick Installation Guide

With a Web-based utility, it is easy to configure and manage the Wireless-N Router. The Web-based utility can be used on any Windows, Macintosh or UNIX OS with a Web browser, such as Microsoft Internet Explorer, Mozilla Firefox.

1) To access the configuration utility, open a web-browser and type in the default address ***http://192.168.1.254*** in the address field of the browser.

After a moment, a login window will appear.

Select the language for the installation,and then enter ***admin*** for the Password,Then click the ***Submit*** button or press the Enter key.



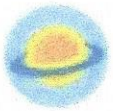
Language - Select the Language from the drop-down list. The default setting is English.

Password - Enter the password for Login.The default password is ***admin***.

Note: *If the above screen does not pop-up, it means that your Web-browser has been set to a proxy.*

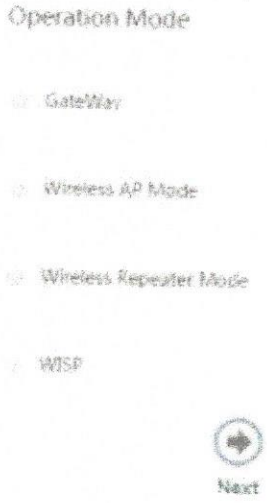
Go to ***Tools -> Internet Options -> Connections -> LAN Settings***, in the screen that appears, cancel the Using Proxy checkbox, and click ***OK*** to finish it.

2) After successful login, you can click the ***Wizard*** to quickly configure your router.



Wizard

3) Select the Operation Mode you need and click ***Next*** go on configuring.



GateWay - Stand Wireless Router Mode:This router connect to Internet by WAN port, and then other terminal devices can connect to this router by wireless connection or connect to this router's LAN port by wired.

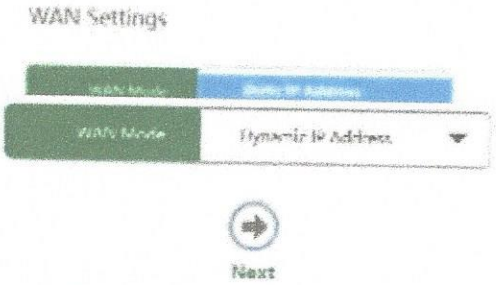
Wireless AP Mode - Traditional wired router realize wireless function:This router can connect to uplink router's LAN port by wired connection,user terminal can connect to this router by wireless connection.

Wireless Repeater Mode - Extand wireless signal comprehensively:This router can connect to uplink wireless router by wireless connection,user terminal can connect to this router by wired or wireless connection.

WISP - Wireless used as WAN port:This router can connect to uplink wireless router by wireless connection,at the same time,it can extend wireless signal for other devices' connection.

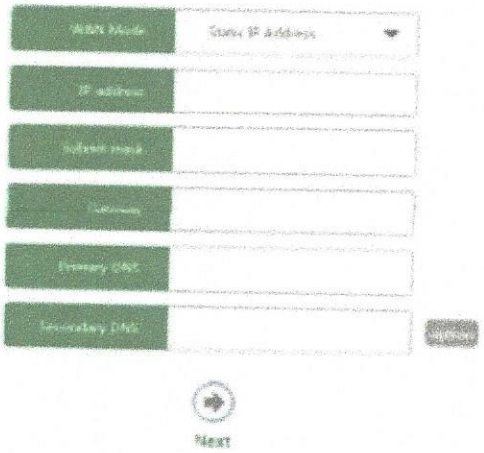
GateWay

If ***GateWay*** is selected,Click drop-down menu of WAN Mode, and then WAN Connection Type will appear,Select the very type go on configuring.



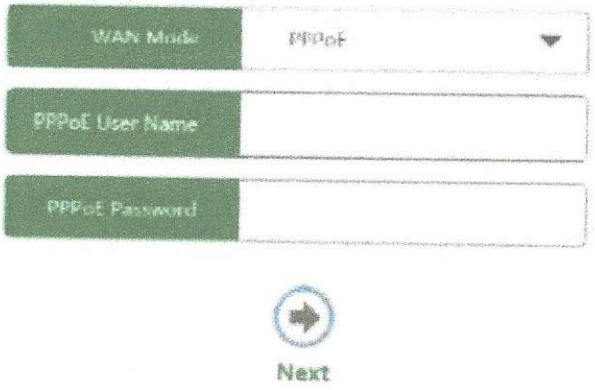
a. If the connection type is ***Dynamic IP Address***, Please click ***Next*** to continue.

b. If the connection type is ***Static IP Address***, the next screen will appear as shown below. Configure the following parameters and then click ***Next*** to continue.

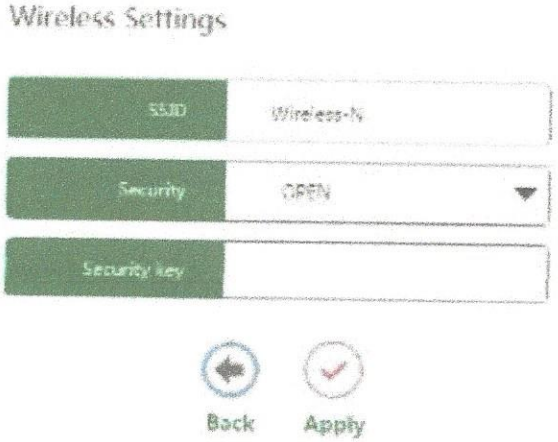


IP Address - This is the WAN IP address as seen by external users on the Internet (including your ISP). Enter the IP address into the field.
Subnet Mask - The Subnet Mask is used for the WAN IP address, it is usually 255.255.255.0.
Gateway - Enter the gateway IP address into the box if required.
Primary DNS - Enter the DNS Server IP address into the box if required.
Secondary DNS(option) - If your ISP provides another DNS server, enter it into this field.

c. If the connection type is ***PPPoE***, the next screen will appear as shown below. Configure the following parameters and then click ***Next*** to continue.



PPPoE User Name - Enter the User Name provided by your ISP.
PPPoE Password - Enter the Password provided by your ISP.
These fields are case sensitive. If you have difficulty with this process, please contact your ISP.
The Wireless settings page will appear as shown below. Enter SSID and Security,then click ***Apply*** to complete setup.

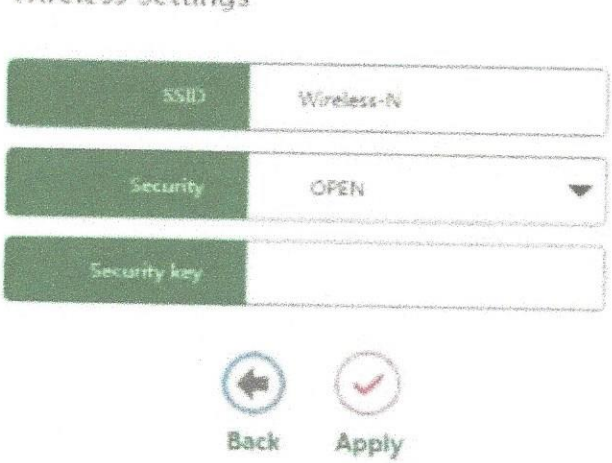


SSID - Enter a value of up to 32 characters. The same name of SSID (Service Set Identification) must be assigned to all wireless devices in your network. The default SSID is set to be ***Wireless-N***.
Security - you can choose the security type on the drop-down list. The default setting is ***OPEN*** .
Security key - Wireless Password, When ***WPA/WPA2PSK*** is set as the Security Type,You can enter ASCII characters between 8 and 63 characters or 8 to 64 Hexadecimal characters.
Note:*Do not close this window,the window will automatically close when setup is complete.*

Wireless AP Mode

If ***Wireless AP Mode*** is selected,The Wireless settings page will appear as shown below. Enter SSID and Security,then click ***Apply*** to complete setup.

SSID - Enter a value of up to 32 characters. The same name of SSID (Service Set



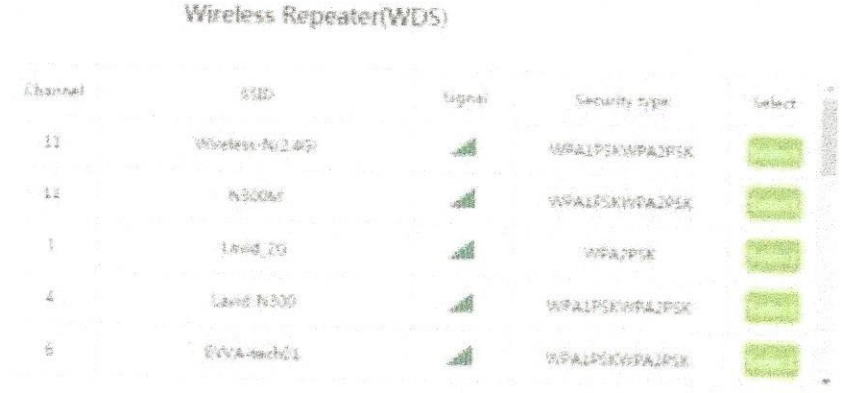
Identification) must be assigned to all wireless devices in your network. The default SSID is set to be ***Wireless-N***.

Security - you can choose the security type on the drop-down list. The default setting is ***OPEN*** .

Security key - Wireless Password, When ***WPA/WPA2PSK*** is set as the Security Type,You can enter ASCII characters between 8 and 63 characters or 8 to 64 Hexadecimal characters.

Wireless Repeater Mode

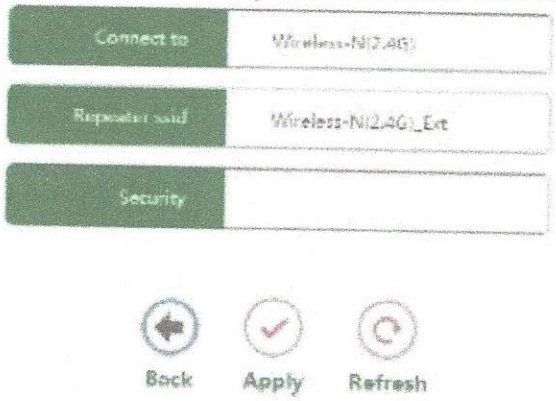
If ***Wireless Repeater Mode*** is selected,The ***Wireless Repeater(WDS)*** page will appear as shown below. Select the ***SSID*** of the target network.



When you see below, please insert Repeater SSID and the key of your network. the default Repeater SSID is set to be xxxx_Ext (xxxx indicates The Main

Router's wireless network name). Then click ***Apply*** to complete setup.

Note: *The Security Key is the same as your Wireless Router.*

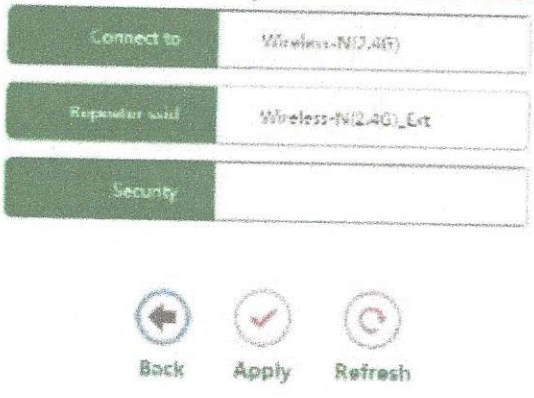


WISP

If **WIPS** is selected,The ***Wireless ISP (APClient)*** page will appear as shown below. Select the ***SSID*** of the target network.

When you see below, please insert Repeater SSID and the key of your network. the default Repeater SSID is set to be xxxx_Ext (xxxx indicates The Main Router's wireless network name). Then click ***Apply*** to complete setup.

Note: *The Security Key is the same as your Wireless Router.*



Using WPS

Wi-Fi Protected Setup makes it easy to connect your Wireless-N MiNi Router to your Wireless Router, and connect other devices to your network through the Wireless-N MiNi Router.

Note: *your Wireless Router and other devices should support WPS.*

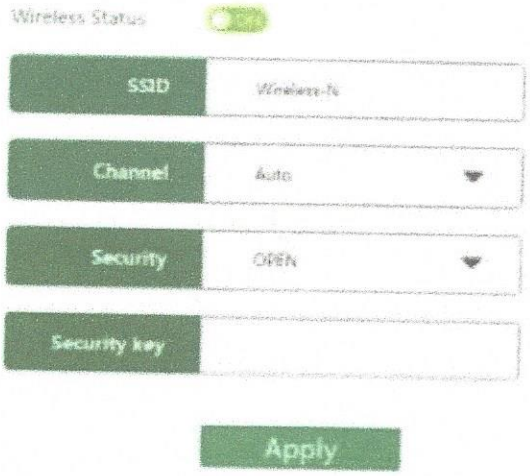
Connecting devices to your network through the Wireless-N MiNi Router.

1) Press the WPS Button on the client device.
2) Press and hold the WPS Button on the side of the Wireless-N MiNi Router for one second, the WPS LED on the Wireless-N MiNi Router will be flashing. When the connection is complete, the WPS LED will be off.
1) If using the Wireless-N MiNi Router's WPS, be sure to click OK within two minutes or you will have to start over.

Configure Wireless Key

1) Click ***Wireless*** located atthe home page.

2) The following message will be displayed on your web browser.



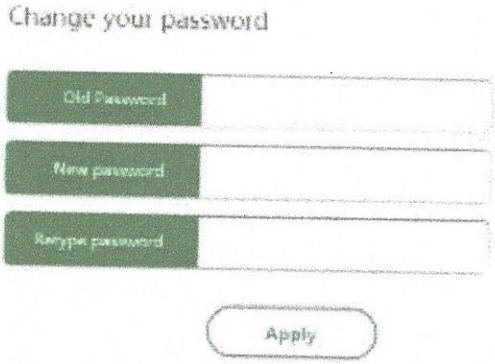
SSID	Wireless SSID of the Wi-Fi Extender
Channel	Auto (Recommend)
Security	Setup the Wireless security and encryption to prevent form unauthorized access and monitoring.
Security key	The "Password" of the Router

Click ***Apply*** to save the settings.

Change Management password

Default password of The Wireless-N MiNi Router is "admin", and it's displayed on the login prompt when accessed from web browser. There's a security risk if you don't change the default password, since everyone can see it. This is very important when you have wireless function enabled.

1) Click "**Advance -> System -> *Password***" located at the home page, the following message will be displayed on your web browser.



Old Password	Enter your Old Password
New Password	Enter your new password
Retype Password	Re-enter your new password

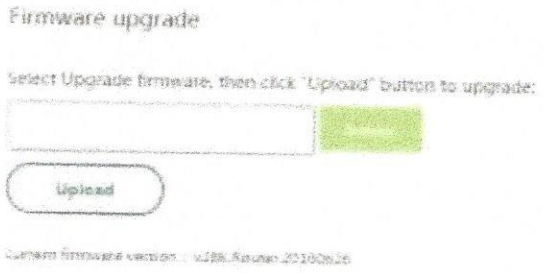
2) Click ***Apply*** to save the settings.

Firmware Upgrade

The system software used by this Wireless-N MiNi Router is called "***firmware***", just like any applications on your computer, when you replace the old application with a new one, your computer will be equipped with new

function. You can also use this firmware upgrade function to add new functions to your router, even fix the bugs of this router.

1) Click "***Advance -> System -> Upgrade Firmware***" located at the home page, the following message will be displayed on your web browser.



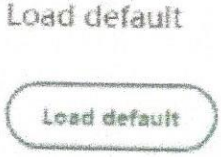
2) Click "***Browse***" button first; you'll be prompted to provide the filename of firmware upgrade file.
3) After a firmware upgrade file is selected, click "***Upload***" button. and the Wireless-N MiNi Router will start firmware upgrade procedure automatically. The procedure may take several minutes, please be patient.

NOTE: Never interrupt the upgrade procedure by dosing the web browser or physically disconnect your computer from the Wireless-N MiNi Router. If the firmware you uploaded is interrupt, the firmware upgrade will fail, and you may have to return this Wireless-N MiNi Router to the dealer of purchase to ask for help.

(Warranty voids if you interrupted the upgrade procedure).

Factory Default

1) Click "***Advance -> System -> Load default***", and you can restore the configurations of the router to factory defaults on the following screen.



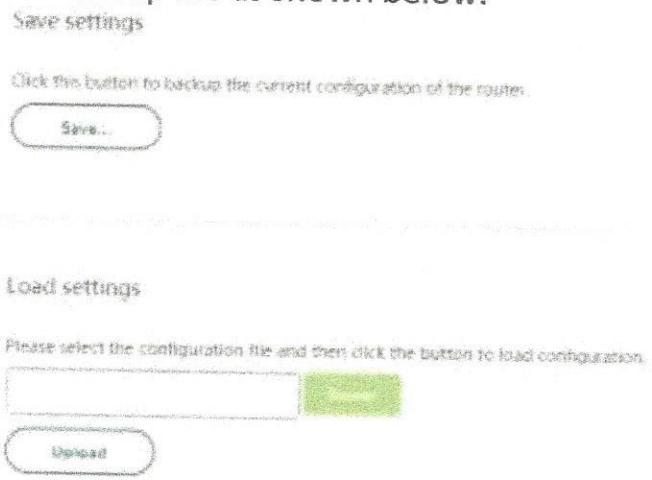
2) Click the ***Load default*** button to reset all configuration settings to their default values.

- The default Password:admin
- The default IP Address: 192.168.1.254
- The default Subnet Mask: 255.255.255.0

***Note**: Any settings you have saved will be lost when the default settings are restored.*

Save/Reload settings

1) Click "**Advance -> System -> Save/Reload settings**", you can save the current configuration of the router as a backup file and restore the configuration via a backup file as shown below.



2) Click the Save... button to save all configuration settings as a backup file in your local computer.

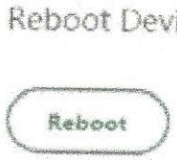
To upgrade the router's configuration, follow these instructions.

1) Click the Brows button to locate the update file for the router, or enter the exact path to the Setting file in the text box.
2) Click the Upload button.

Note: *The current configuration will be covered by the uploading configuration file. The upgrade process lasts for 20 seconds and the router will restart automatically. Keep the router on during the upgrading process to prevent any damage.*

Reboot Device

Click "***Advance -> System -> Reboot Device***", you can click the Reboot button to reboot the router via the next screen.



Log off

Click "***Log off***", and you will log out the web manage page of the router.

Appendix A: Configuring the PC

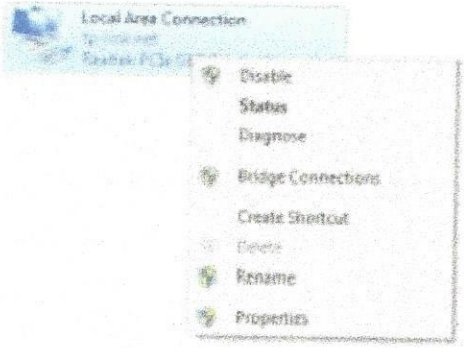
In this section, we'll introduce how to install and configure the TCP/IP correctly in Windows 7. First make sure your Ethernet Adapter is working, refer to the adapter's manual if needed.

1. Install TCP/IP component

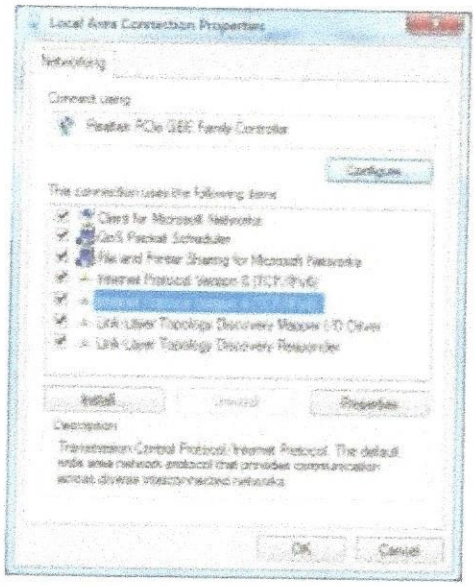
1) On the Windows taskbar, click the ***Start*** button, and then click ***Control Panel***.

2) Click the ***Network and Internet***, and click the ***Network and Sharing Center***, then click ***Change adapter settings***.

3) Right click the icon that showed below, select ***Properties*** on the prompt page.



4) In the prompt page that showed below, double click on the ***Internet Protocol Version 4 (TCP/IPv4)***.

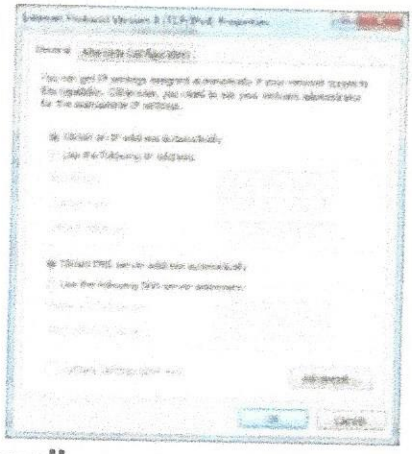


5) The following ***TCP/IP Properties*** window will display and the ***IP Address*** tab is open on this window by default.

Now you have two ways to configure the ***TCP/IP*** protocol below:

- **Setting IP address automatically**

Select ***Obtain an IP address automatically***, Choose ***Obtain DNS server automatically***, as shown in the Figure below:



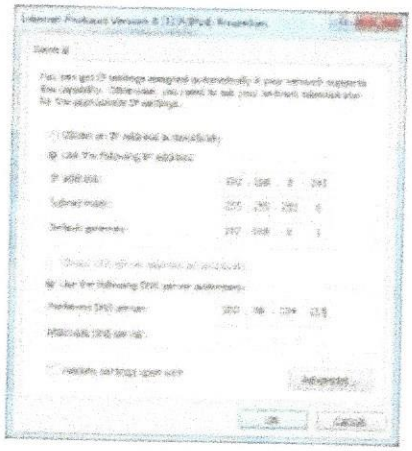
- **Setting IP address manually**

1 Select ***Use the following IP address*** radio button. And the following items available

2 If the router's LAN IP address is 192.168.1.254, specify the IP address as 192.168.1.x (x is from 2 to 253), and ***Subnet mask*** is 255.255.255.0.

3 Type the router's LAN IP address (the default IP is 192.168.1.254) into the ***Default gateway*** field.

4 Select ***Use the following DNS server addresses*** radio button. In the ***Preferred DNS Server*** field you can type the DNS server IP address, which has been provided by your ISP



FCC INFORMATION

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.

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure: A distance of 20 cm shall be maintained between the antenna and users, and the transmitter may not be co-located with any other transmitter or antenna.