

EDIMAX COMPUTER INC.

Edimax BR-6258n Nano router

150Mbps Wireless Broadband Router

Station Infrastructure (AP Client)

Let your ethernet devices like xBox, Blu-ray
player join an existing wireless network

© 2011 Edimax Computer
3350 Scott Blvd., Building #15
Santa Clara, California 95054, USA
Phone 408-496-1105 • Fax 408-980-1630

www.edimax.us

Edimax BR-6258n

Congratulations on your purchase of the Edimax BR-6258n. It is currently the smallest wireless router, and we back them up with great technical support. We are committed to making you a success because our success depends on yours.

This is a detailed step-by-step installation instruction for the Station Infrastructure mode setup.

Assumptions:

1. You have the Edimax BR-6258n Wireless router.
2. You use Ethernet cable to connect your computer to LAN port (the Yellow port) of BR-6258n.
3. Keep the WAN port (the Blue port) of BR-6258n unplugged.
4. Power on BR-6258n router either by using its power adapter or by using its USB cable with a USB port of the computer.
5. Your main wireless router is powered on. Its DHCP server function is enabled. The main wireless router will give dynamic IP addresses to computers in the network.
6. If your main wireless router has wireless encryption setting, you know the wireless encryption passphrase (also known as network key or password) of your wireless network.

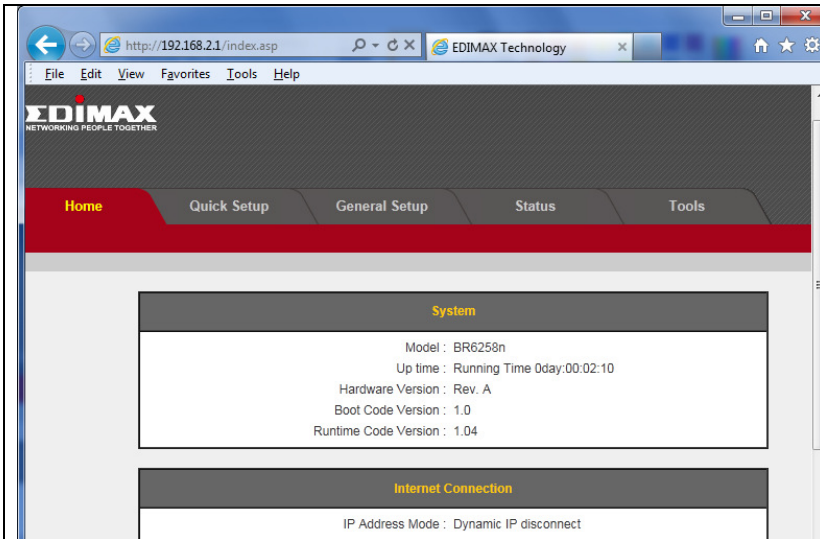


Fig. 1
Open web browser like Internet Explorer.

In the address box, enter http://192.168.2.1 hit Enter.

Enter the default username and password.
Username: admin
Password 1234

Get into the router's configuration page.

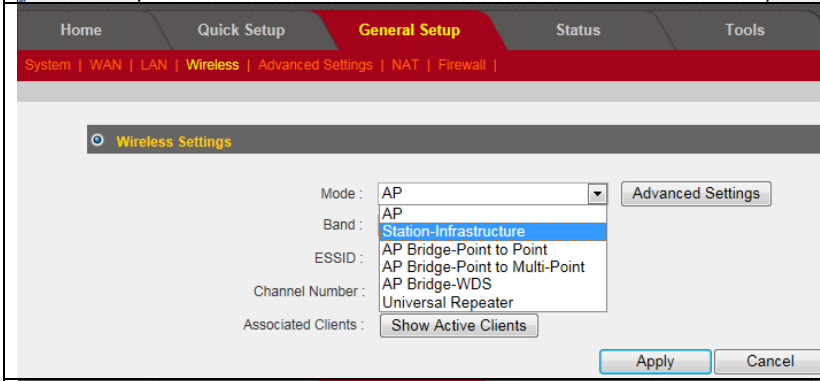


Fig. 2
Click on General Setup in the menu. Click on Wireless.

In the field of "Mode", select "Station Infrastructure" as the Mode.

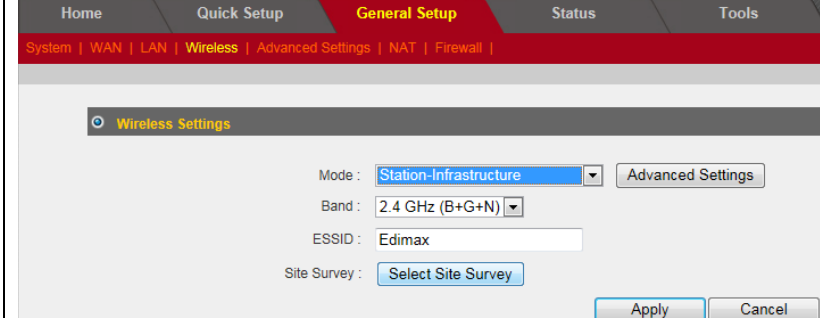


Fig. 3

The button "Select Site Survey" appeared.

Click on the "Select Site Survey" button..

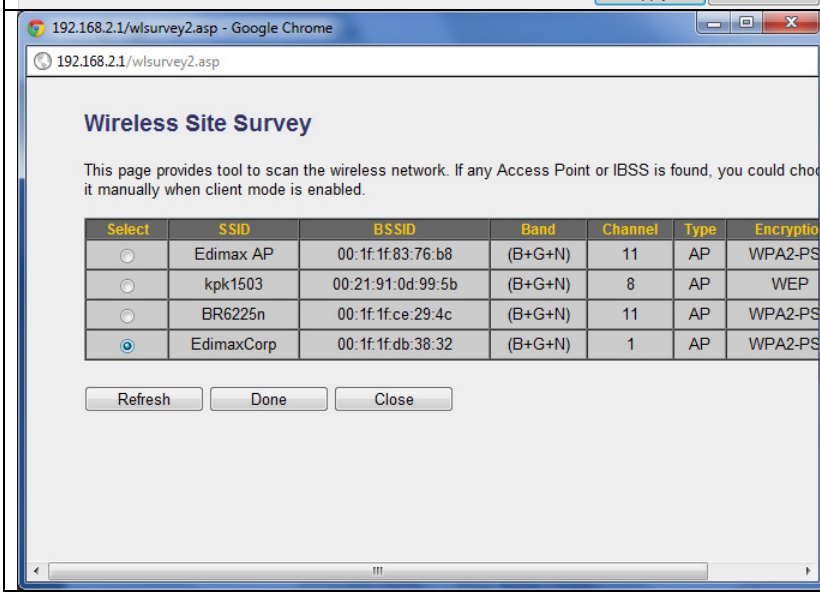


Fig. 4

A new window pops up and shows available wireless networks.

Select your wireless network. Click on Done. The Wireless Site Survey window close automatically..

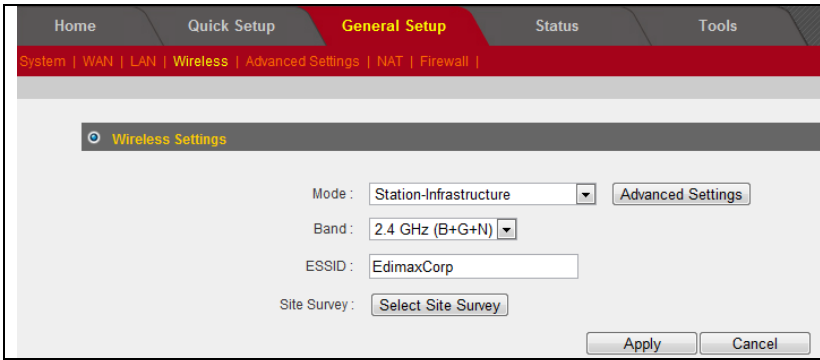


Fig. 5

Please note the ESSID has been changed. It should be the SSID of the existing wireless network.

In this example, “EdimaxCorp” is our main router.

Click on Apply button.

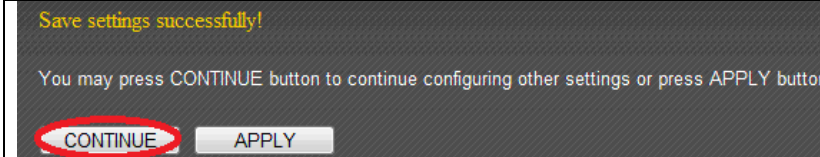


Fig. 6

Click on Continue button.. We have more configurations to set.

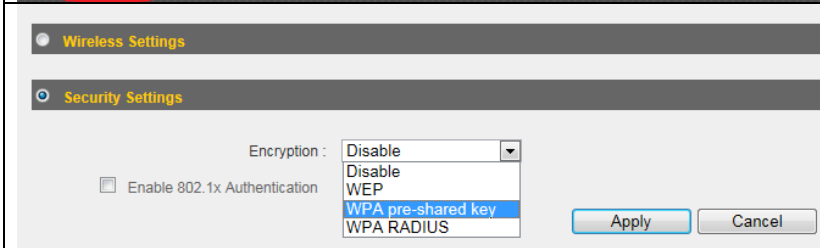


Fig. 7

Go to Security Settings. The encryption is disabled by default.

If your wireless router has wireless encryption enabled, you need to use the same security password in the BR-6258n. If you are not sure about the encryption passphrase, you may need to check the setting in your wireless router

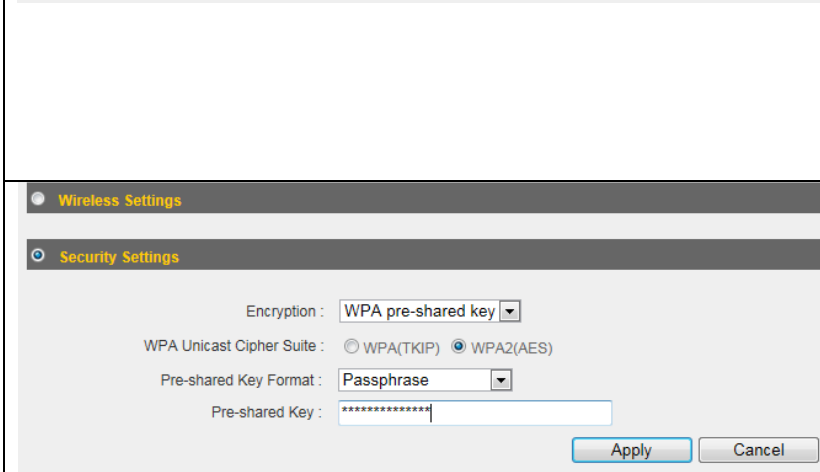


Fig. 8

We recommend use WPA2 AES.

If your wireless router has options like WPA2-personal, WPA-personal, WPA/WPA2 mixed. Please make sure you select WPA2-personal.

Here we enter the pre-shared key (also known as passphrase). Click on Apply

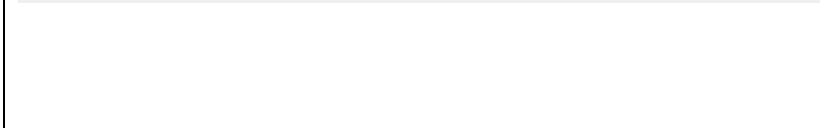


Fig. 9

Click on Continue button. Next we are going to disable router function.

The screenshot shows the 'General Setup' page with the following settings:

- LAN IP:** IP address: 192.168.2.1, Subnet Mask: 255.255.255.0, 802.1d Spanning Tree: Disabled, DHCP Server: Enabled, Lease Time: Enabled.
- DHCP Server:** Start IP: 192.168.2.100, End IP: 192.168.2.200.

Fig. 10

Click on LAN setting.

Have the option of “DHCP Server” turn off.

The default IP address is 192.168.2.1. It is optional that you assign a new IP address to the BR-6258n. The BR-6258n Station Infrastructure can work fine even its IP address is not in the wireless network.

However, you may want to assign a new IP to the BR-6258n which may help you trouble shoot and easily access the BR-6258n later.

Click on Apply.

The dialog box displays the message: "Save settings successfully! You may press CONTINUE button to continue configuring other settings or press APPLY button". The CONTINUE button is circled in red.

Fig. 11

Click on Continue button. We have one more setting to be done.

The screenshot shows the 'NAT' settings page with the following configuration:

- Static Routing:** Enabled Static Routing is checked.
- Table:**

Destination LAN IP	Subnet Mask	Default Gateway	Hop Count	Interface
				LAN
- Current Static Routing Table:**

NO.	Destination LAN IP	Subnet Mask	Default Gateway	Hop Count	Interface	Select

Fig. 12

Go to NAT settings.

Go to the option of “Static Routing”.

Put a check on the check box of “Enable Static Routing”. Click on Apply.

The dialog box displays the message: "Save settings successfully! You may press CONTINUE button to continue configuring other settings or press APPLY button". The APPLY button is circled in red.

Fig. 13

Click on Apply for the router save settings and reboot.

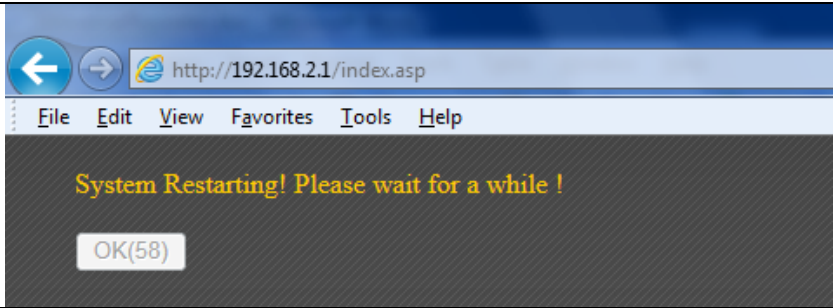


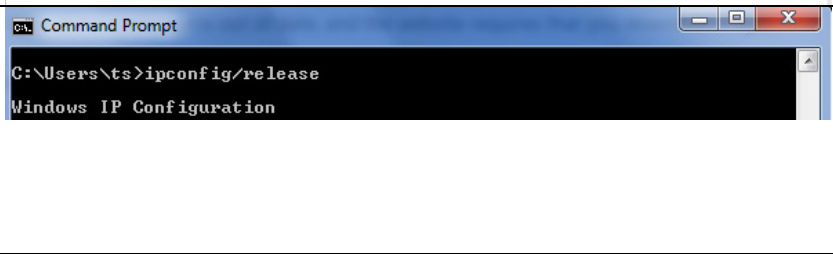
Fig. 14

In 60 seconds, the router will work as Access Point Station Infrastructure.

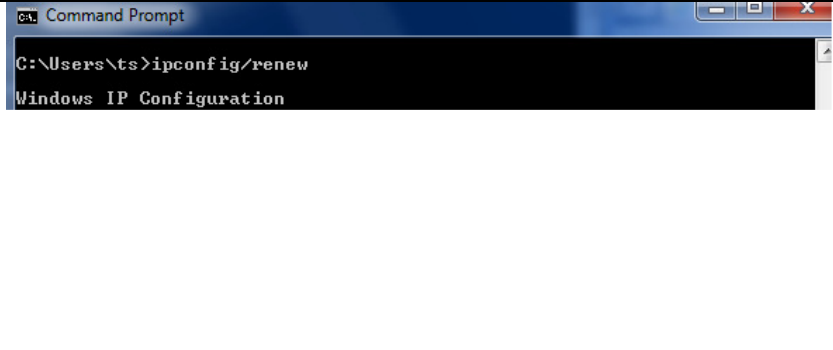


Fig. 15

Verify if your Ethernet computer has Internet.
If your Ethernet computer has Internet, you can connect other ethernet device like xBox to the LAN (Yellow port) of BR-6258n. The Station Infrastructure mode setup is completed.



Sometimes in order for your computer get the IP address from your wireless router, you need to go into cmd prompt and type "ipconfig /release" hit Enter, type "ipconfig /renew" hit Enter key.



To go into cmd prompt:
For Windows XP, click on Start -> Run, enter "cmd" hit OK.
For Windows Vista/Windows 7, click on Start, go to the box of "Search programs and files" enter "cmd" hit Enter key.
For other devices like xBox, you can reboot the device.