

How to make BR-6258n connect to a Wi-Fi network

Thanks for purchasing Edimax BR-6258n. You may have a wifi network offer to you. For example, a wifi network provided by hotel. We hope this instruction can help you setup BR-6258n associate with the target wifi network. As a router, BR-6258n has basic firewall function embedded and can protect your local network.

1. You can either use a wireless computer or use a hard wired computer.
2. Power on the BR-6258n router either use its power adapter or connect to a USB port of a computer.
3. Screen shots in this instruction are from a Windows 7 computer. Your computer may use different operating system. You also may use Safari or other browser in different Operating system.

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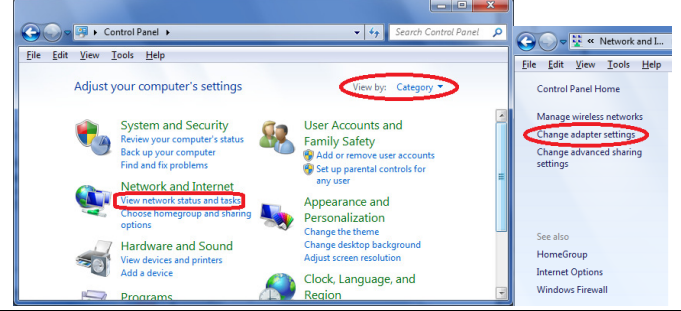
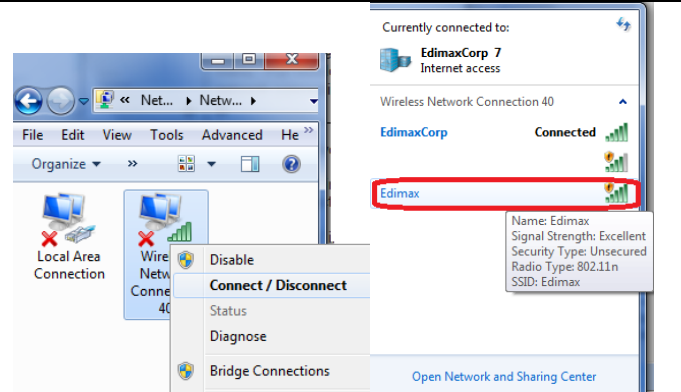
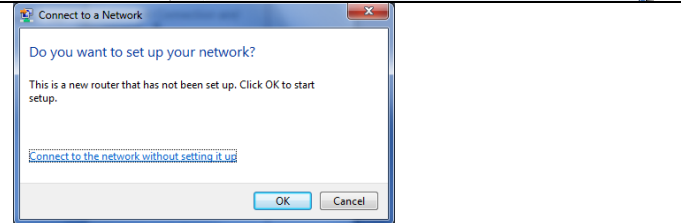
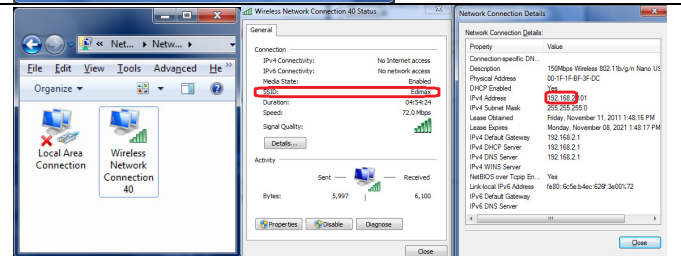
Introduction

BR-6258n can be used in a location where wireless internet is provided. We called it WISP (Wireless Internet Service Provider) mode. Basically we will use BR-6258n WISP function under General Setup > WAN > WISP.

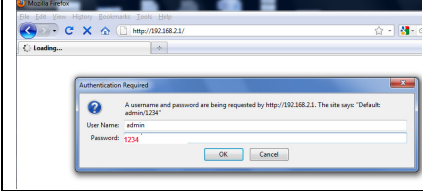
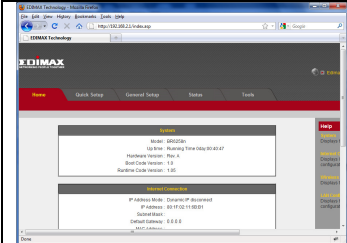
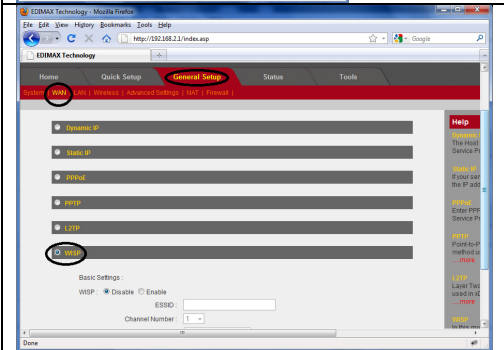
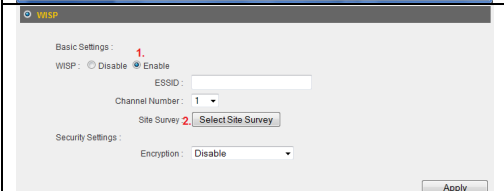
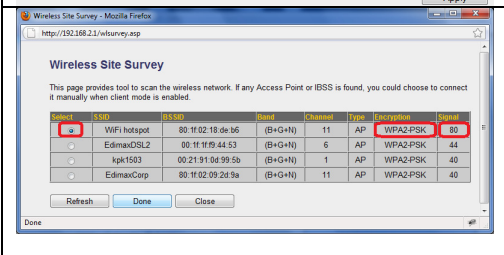
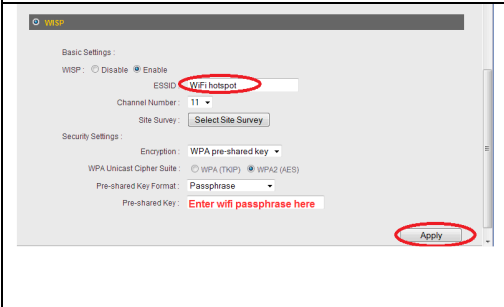
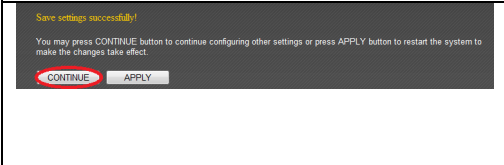
Step 1 Connect your computer to BR-6258n. Leave the WAN port (blue color) of BR-6258n unplugged.

If you have an Ethernet cable, just connect your computer to LAN port (yellow port) of BR-6258n

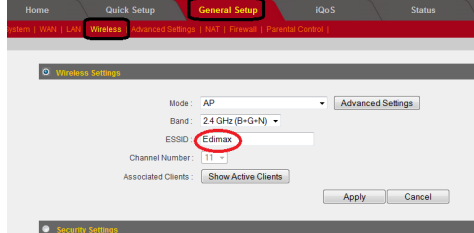
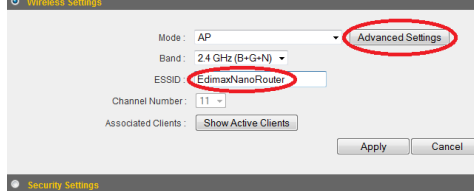
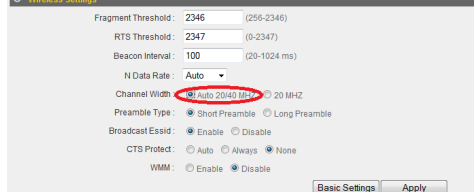
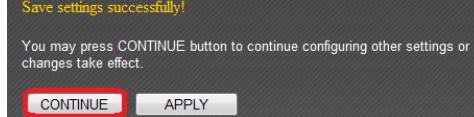
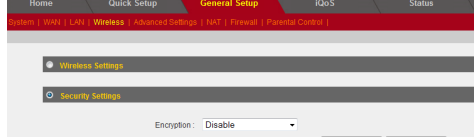
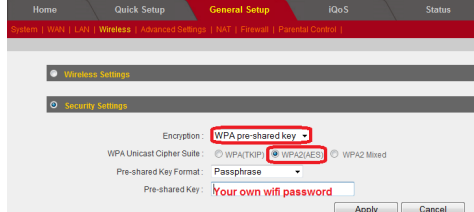
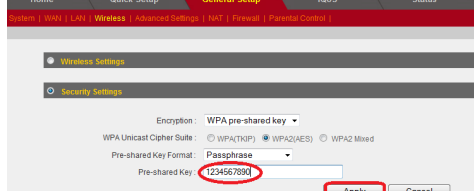
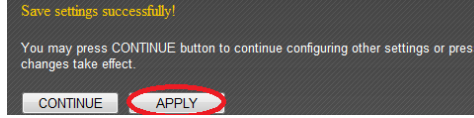
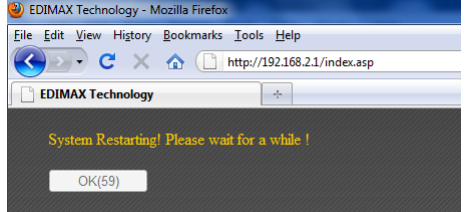
If you do not have ethernet cable, you can make wireless connection to connect to SSID name "Edimax". The quickest way is to click on Start, click on "Connect", select Edimax wireless network to connect. You also can follow below steps.

	<p>Go to Control Panel. Go to Network and Sharing Center if you view by "Large icon"</p> <p>Click on "View Network Status and tasks" if you view by "Category".</p> <p>Click on "Change Adapter Settings" on the left menu. For Windows Vista user, click on "Manage network connections".</p>
	<p>You are in "Network Connections" window.</p> <p>Right click on Wireless Network Connection and click on "Connect/Disconnect".</p> <p>Select "Edimax" in the available wireless networks. Click on Connect.</p> <p>Edimax router by default has no encryption. So you can connect it without entering any security password.</p>
	<p>If you receive a pop up window to set up your network, click on "Connect to the network without setting it up".</p>
	<p>The red X mark on Wireless Network Connection icon would disappear.</p> <p>Double click on the wireless network connection to check its status. Its SSID should be "Edimax". Click on Details button. Its IPv4 address should be 192.168.2.x.</p>

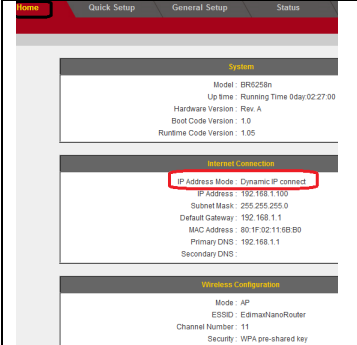
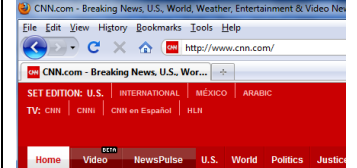
Step 2. Open your web browser and go to router's configuration page.

	<p>In the address box, enter http://192.168.2.1 hit Enter key.</p> <p>Enter username: admin Enter password: 1234.</p> <p>Click OK.</p>																																			
	<p>Here is the router's configuration web page.</p>																																			
	<p>Go to General Setup.</p> <p>Go to WAN.</p> <p>The last option is WISP. Select WISP.</p>																																			
	<p>Click on Enable. Click on Select Site Survey.</p>																																			
 <table border="1"> <thead> <tr> <th>SSID</th> <th>BSSID</th> <th>Band</th> <th>Channel</th> <th>Type</th> <th>Encryption</th> <th>Signal</th> </tr> </thead> <tbody> <tr> <td>WIFI hotspot</td> <td>80:1f:02:18:de:b6</td> <td>(B+G+H)</td> <td>11</td> <td>AP</td> <td>WPA2-PSK</td> <td>80</td> </tr> <tr> <td>EdimaxDSL2</td> <td>00:1f:1f:49:44:53</td> <td>(B+G+H)</td> <td>6</td> <td>AP</td> <td>WPA2-PSK</td> <td>44</td> </tr> <tr> <td>kgk1503</td> <td>00:21:91:0d:99:50</td> <td>(B+G+H)</td> <td>1</td> <td>AP</td> <td>WPA2-PSK</td> <td>40</td> </tr> <tr> <td>EdimaxCorp</td> <td>80:1f:02:09:20:9a</td> <td>(B+G+H)</td> <td>11</td> <td>AP</td> <td>WPA2-PSK</td> <td>40</td> </tr> </tbody> </table>	SSID	BSSID	Band	Channel	Type	Encryption	Signal	WIFI hotspot	80:1f:02:18:de:b6	(B+G+H)	11	AP	WPA2-PSK	80	EdimaxDSL2	00:1f:1f:49:44:53	(B+G+H)	6	AP	WPA2-PSK	44	kgk1503	00:21:91:0d:99:50	(B+G+H)	1	AP	WPA2-PSK	40	EdimaxCorp	80:1f:02:09:20:9a	(B+G+H)	11	AP	WPA2-PSK	40	<p>A new window pop up and display available wireless networks.</p> <p>Select the wireless network which BR-6258n would be associated with. You can see the encryption and signal strength of the wifi network.</p> <p>If you do not see the wireless network in the list, click "Refresh".</p> <p>Click on Done.</p>
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	<p>Go back to the router's configuration web page.</p> <p>Enter the encryption passphrase of the wifi network which BR-6258n is going to associated with.</p> <p><u>If you do not know the encryption password, you need to consult the owner of the wifi network to get the wifi security password.</u></p> <p>Click on Apply.</p>																																			
	<p>Choose either Continue or Apply.</p> <p>We suggest you click on Continue to setup wireless encryption of BR-6258n network.</p> <p>If you click on Apply, BR-6258n would take 60 seconds to reboot and connect to Internet. BR-6258n has no wireless encryption yet.</p>																																			

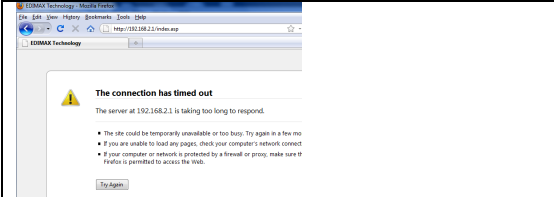
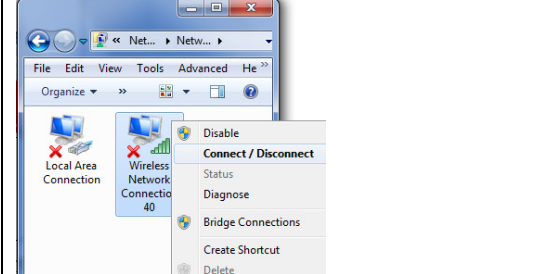
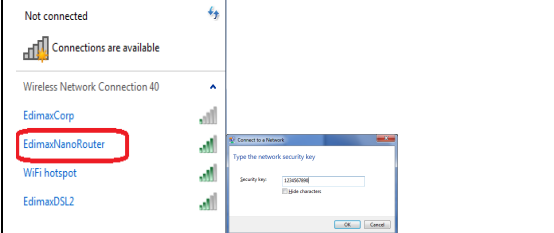
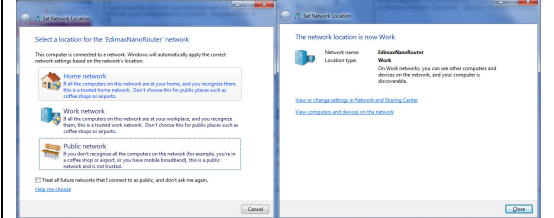
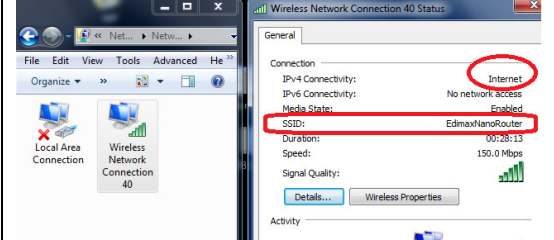
Step 3 Setup wireless security for local wifi network with BR-6258n.

	<p>Go to General Setup. Go to Wireless.</p> <p>Wireless Settings shows the default ESSID is “Edimax”. ESSID is the wireless network name to identify your own WiFi network. You can change it to any ID you preferred. Click on Apply.</p>
	<p>We set new ESSID as “EdimaxNanoRouter”. Click on Apply. Click on Advanced Settings.</p>
	<p>Select the Channel bandwidth as Auto 20/40 MHz. Click on Apply</p>
	<p>Click on Continue.</p>
	<p>Click on Security Settings. The default encryption is “Disabled” which means there is no encryption in the BR-6258n wireless network.</p>
	<p>We suggest select WPA pre-shared key with WPA2 AES option. However, if you have any WiFi device which does not support WPA2 AES, you could use WPA TKIP or WEP as your encryption.</p>
	<p>Enter your own password. For WPA pre-share key, the password needs to be at least 8 characters (or digits). Click on Apply.</p>
	<p>Choose Apply button than Continue since we have done entire configuration.</p>
	<p>Nano router saves the settings and reboots. Wait for 60 seconds. Click on OK button after 60 seconds. Continue Step 4 if you use Ethernet cable to connect with BR-6258n. Continue Step 5 if you use wireless connection to connect with BR-6258n.</p>

Step 4. If you use Ethernet cable to connect with BR-6258n:

 <p>The screenshot shows the router's configuration page with sections for System, Network Connection, and Wireless Configuration. The IP Address Mode is set to 'Dynamic IP connect' and the IP Address is 192.168.1.100.</p>	<p>Reload the router's configuration web page at http://192.168.2.1. You can find its Internet Connection status.</p> <p>In our example, BR-6258n wireless connect to a WiFi Hotspot and gets a dynamic IP address.</p>
 <p>The screenshot shows a web browser window with the CNN.com website open, indicating successful internet access.</p>	<p>Open a new tab and enter your preferred web site. If you can browse Internet, your configuration is successful. Congratulations.</p> <p>Enjoy the use of our Nano router.</p>

Step 5. If you use wireless connection to associate with BR-6258n:

 <p>The screenshot shows a browser error message: 'The connection has timed out. The server at 192.168.2.1 is taking too long to respond.'</p>	<p>If you changed the ESSID in earlier step, you would not able to login to 192.168.2.1 page because BR-6258n has a new ESSID now and you need to make your wireless adapter connect to the new ESSID wireless network.</p>
 <p>The screenshot shows the Windows Network Connections window with the 'Wireless Network Connection 40' icon highlighted.</p>	<p>Click on Start > Connect to > Connect to wireless network. You should see the new WiFi network is available to connect to.</p> <p>Another approach is to go to Network Connection window. Right click on Wireless Network Connection. Click on "Connect/Disconnect".</p>
 <p>The screenshot shows the 'Connections are available' window with 'EdimaxNanoRouter' selected and highlighted.</p>	<p>Select the WiFi network with new ESSID. Click on Connect.</p> <p>Enter your WPA encryption passphrase. Click OK.</p>
 <p>The screenshot shows the 'Select a location for the "EdimaxNanoRouter" network' wizard with 'Work' selected.</p>	<p>Select the type of the wireless location.</p> <p>Click Close.</p>
 <p>The screenshot shows the 'Wireless Network Connection 40 Status' window with 'Internet' selected as the connection type and 'EdimaxNanoRouter' as the SSID.</p>	<p>You can double click on Wireless Network Connection icon. Confirm you are connected to your router and you have Internet.</p> <p>Congratulations. We hope you would enjoy the use of our Nano router.</p>