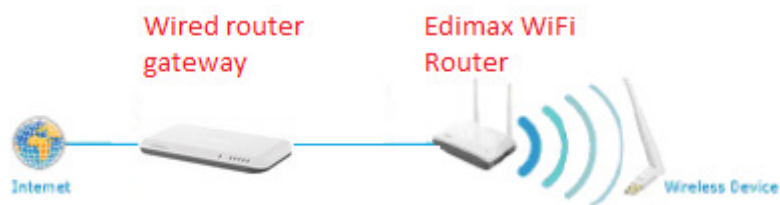# How to convert a wireless router to be a wireless access point

Thanks for purchasing Edimax Wireless Router. This instruction can be applied if you want to keep your wired router and you need Edimax Wireless router to provide wifi signal.
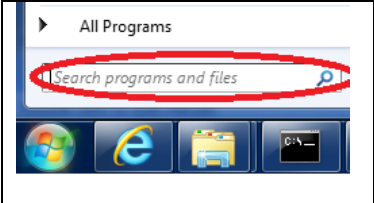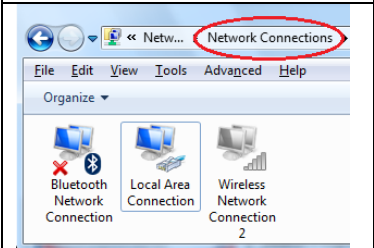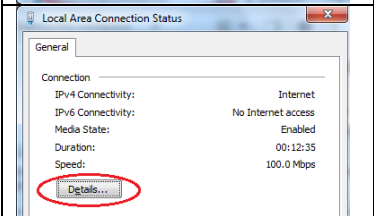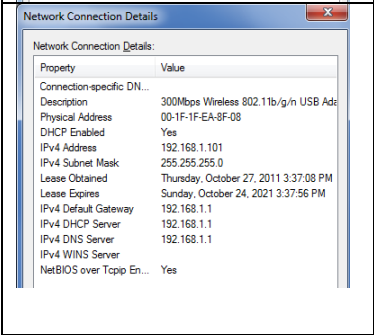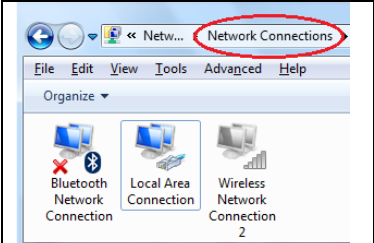

1. This instruction is for Windows computer only.
2. This instruction can be applied to most Edimax Wireless Routers.

Introduction

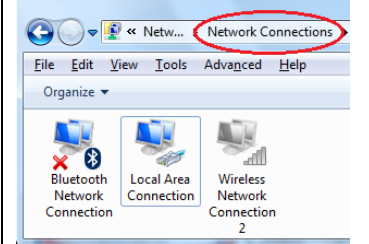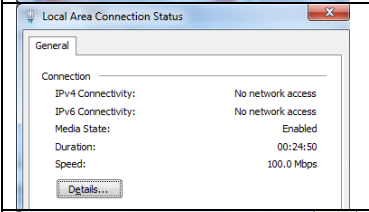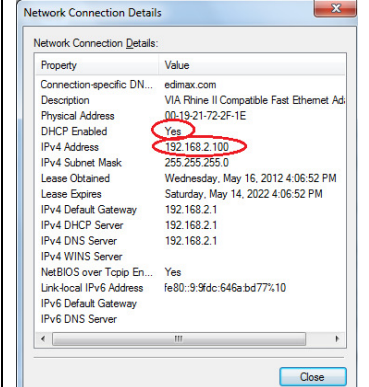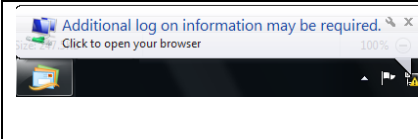**Step 1. Understand the IP address used in your network. Connect your computer to the existing wired router.**

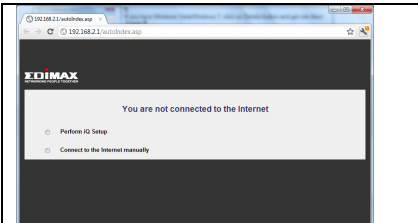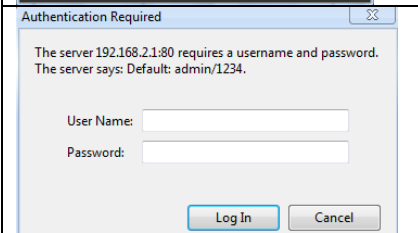|	
All Programs Search programs and files	If you have Windows Vista/Windows 7 computer: click on Start menu. Go to "Search Programs and files". Enter "ncpa.cpl" hit Enter. If you have Windows XP computer: Click on Start menu. Go to "Run". Enter "ncpa.cpl" hit Enter.
Network Connections File Edit View Tools Advanced Help Organize ▾ Bluetooth Network Connection Local Area Connection Wireless Network Connection 2	You are in the Network Connection Window. Double click on Local Area Connection. You will get into the Local Area Connection Status window.
Local Area Connection Status General Connection IPv4 Connectivity: Internet IPv6 Connectivity: No Internet access Media State: Enabled Duration: 00:12:35 Speed: 100.0 Mbps Details...	If you have Windows Vista/Windows 7, click on Details button and get into Next Screen. If you have Windows XP, click on Support tab on the top menu.
Network Connection Details Network Connection Details: Property Value Connection-specific DN... Description 300Mbps Wireless 802.11b/g/n USB Ada Physical Address 00-1F-1F-EA-8F-08 DHCP Enabled Yes IPv4 Address 192.168.1.101 IPv4 Subnet Mask 255.255.255.0 Lease Obtained Thursday, October 27, 2011 3:37:08 PM Lease Expires Sunday, October 24, 2021 3:37:56 PM IPv4 Default Gateway 192.168.1.1 IPv4 DHCP Server 192.168.1.1 IPv4 DNS Server 192.168.1.1 IPv4 WINS Server NetBIOS over Tcpip En... Yes	If you have Windows Vista/Windows 7: You will see IPv4 address, IPv4 subnet mask, and IPv4 Default gateway. If you have Windows XP, you will see IP address, subnet mask, and default gateway. The left screen shows the computer has IP address 192.168.1.101 and the wired router has 192.168.1.1. Therefore, this is a network using 192.168.1.x subnet. All the devices in the network must have the same first three octets of IP address, but the last octet number would be different. The Edimax Wireless router needs to setup properly in order to join the existed wired network.
Network Connections File Edit View Tools Advanced Help Organize ▾ Bluetooth Network Connection Local Area Connection Wireless Network Connection 2	Click on Close button twice until you are back to the "Network Connections" window. Please keep this screen open. We will get back to the "Network Connection Window" later.

Step 2. Connect your computer to a LAN port of Edimax Wireless router. Please keep the WAN port of Edimax Wireless router unplugged. Power on Edimax Wireless router. Wait for 1 minute until you see WLAN LED of Edimax wireless router start blinking.
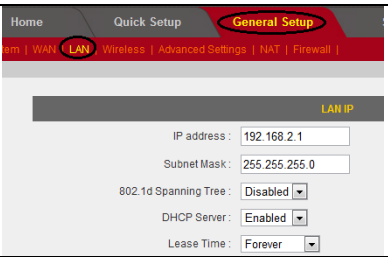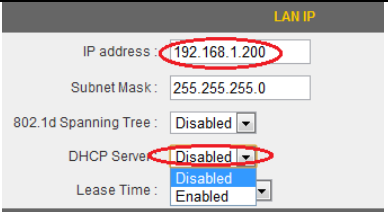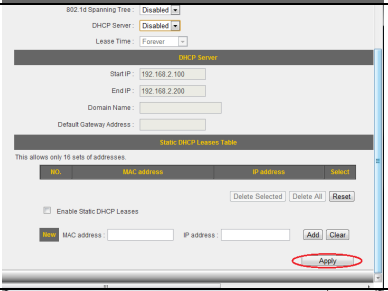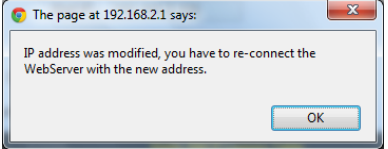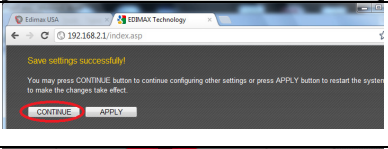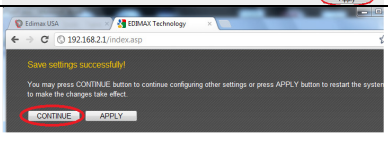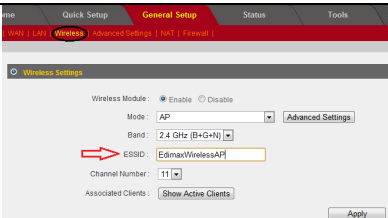
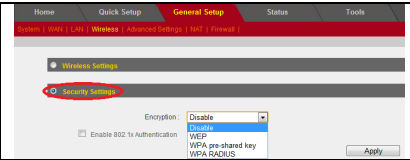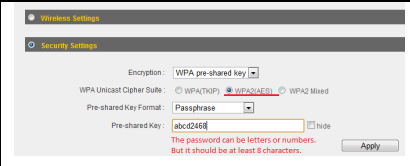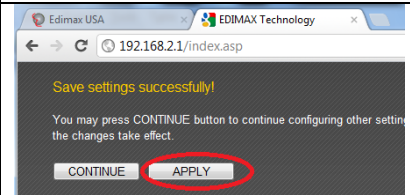|	
	Double click on "Local Area Connection" to get into Local Area Connection Status.
	If you have Windows Vista/Windows 7, click on Details button and get into Next Screen. If you have Windows XP, click on Support tab.
	The IPv4 address should be 192.168.2.xxx. After this is verified, you can click on Close to close the details window. Click on Close again to close the Status Window. Go back to "Network Connection" window and keep it open. If the IPv4 address is not 192.168.2.xxx, you may unplug/replug-in the LAN cable from Edimax wireless router or just press 20 seconds on the Reset button of Edimax wireless router. Pressing 20 seconds on Reset button will restore to default settings.
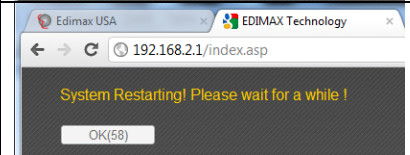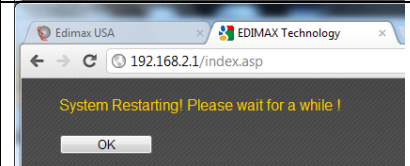
Step 3. For Windows 7 PC only:

	If you have Windows 7, you might see a pop up prompt saying "*Additional log on information may be required*". Just click on the message. It will open the web browser automatically for you.
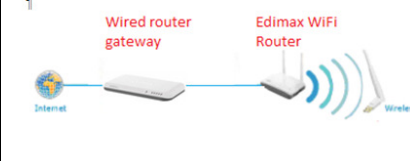
Step 4. Launch your web browser. Here starts the process of the setup in Edimax Router.

	If you see the iQ setup page, click on the second circle "**Connect to the Internet manually.**" If your browser does not display any web page, please manually enter http://192.168.2.1 hit Enter key.
	Enter the User Name: admin Password: 1234 Click on "Log In" button. Please note the username must be in lower case letters. In case you can not login by default username/password, please press the Reset button for 20 seconds.

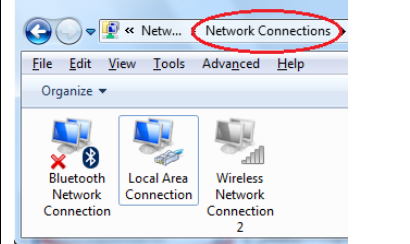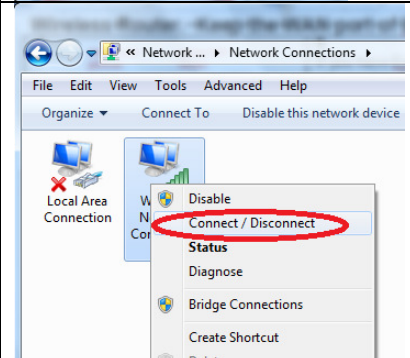|	
	Go to General Setup. Go to LAN. The default IP address is 192.168.2.1. You need to assign a new IP address based on your wired network.
	We assign a new IP like 192.168.1.200 to Edimax Wireless Router. Select "Disabled" for DHCP server.
	Scroll down to the bottom of the page. Click on Apply.
	Click OK on the reminder message. In the future, when you need to get into the Edimax Wireless Router, you need to type in the new IP address of Edimax Wireless router in the web browser. That is, http://192.168.1.200 in our case.
	Click on Continue button. Do not click on "Apply". You are back to the LAN Setup Page.
	Click on NAT. Scroll down and select "Static Routing". Put a check on "Enable Static Routing". Click on Apply.
	Click on Continue button. Do not click on "Apply". You are back to the NAT Setup Page.
	Click on Wireless. Locate the ESSID under the Wireless Settings. The ESSID is the ID name to represent your WiFi network. You may choose to use a different ESSID, then click on Apply. Remember to click on "Continue" button rather than "Apply"

	Go to Security Settings. The default security is disabled. We suggest you select WPA Pre-shared key.
	Select WPA2 AES is recommended. However, if you have WiFi devices that do not support WPA2 AES, you may use WPA TKIP instead. Type in your pre-shared key which would be the wireless security password for your wifi network. You may write down the password and post-it with wireless router.
	Click on Apply button. All the setup is completed.
	Wait for 60 seconds and you will see the OK button.
	Do not click on OK. Instead, please close your web browser.

Step 5. Connect one of LAN ports of Edimax Wireless Router to the wired router. Please keep the WAN port of Edimax Wireless router unplugged.
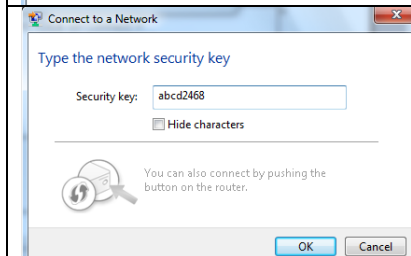
	If you have Edimax Nano router BR-6258n which has only one LAN port, you need to disconnect your computer from BR-6258n. Connect the LAN port of BR-6258n to the wired router.

Step 6. Perform tests to verify the success.
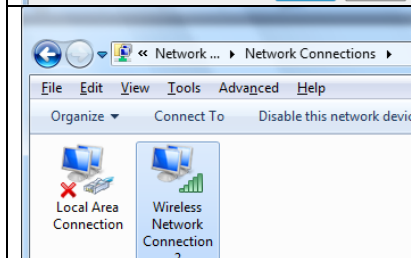
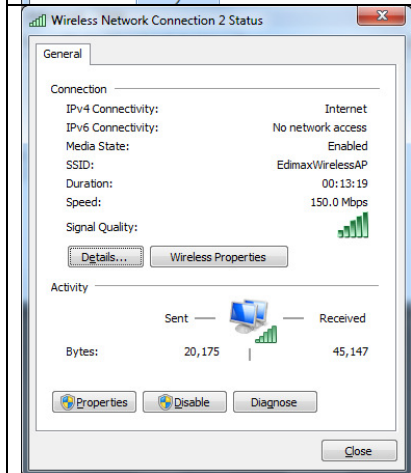|	
	Go to the Network Connection Window. If your computer keeps the LAN cable with Edimax Wireless router, double click on Local Area Connection. In the Local Area Connection Status window, go to Details button or Support tab. Verify the IP address. If you receive a proper IP address which is from the wired router, the Edimax Wireless Router has converted as a Wireless Access Point Successfully.
	Turn on your Wireless computers or Wireless devices. In Windows 7, Right click on "Wireless Network Connection", click on "Connect / Disconnect". You would see the WiFi signal from Wireless Access Point(Edimax Wireless Router)
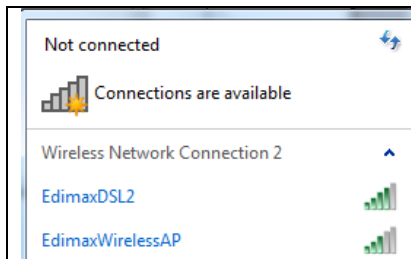
Not connected	Select the Wireless Access Point. Click on Connect.
	Type in your wireless password. Click on OK.
	The Red X on Wireless Network Connection will disappear.
	Double Click on Wireless Network Connection to go into Status. The IPv4 Connectivity should be Internet. Congratulations, you have converted Edimax Wireless Router to a Wireless Access Point.