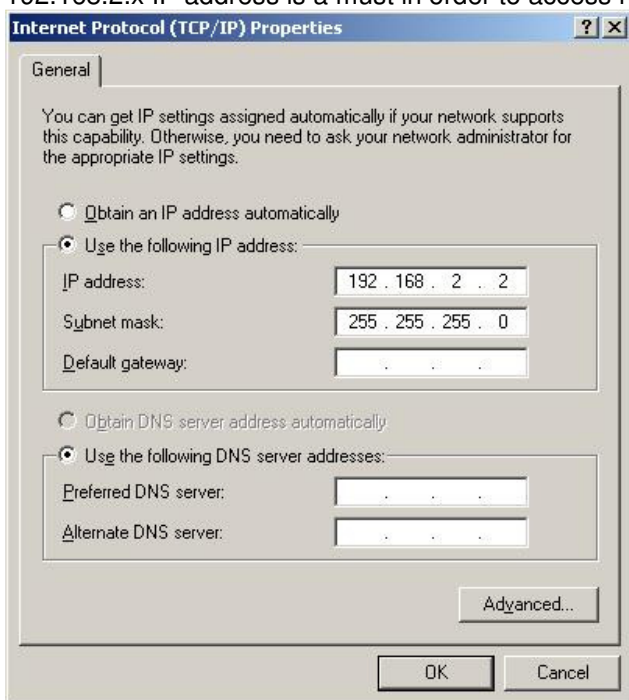


Before you start the process, you may want to check the latest firmware published on our site at <http://www.edimax.com>. Click on Support. Look for the EW-7206APg. You will find the latest firmware for EW-7206APg. You may download the latest firmware file if needed. The downloaded file is a zip file. Please unzip it to get the .bin file.

### First Step: login to the setup page of EW-7206APg.

The AP is not a DHCP server by default which means it will not assign IP-address to computers, therefore we need to (temporarily) assign one manually IP address to your network card. (Wired or wireless, but wired is preferred)

1. In your computer, click on Start -> Run. Type in "**ncpa.cpl**" hit OK. You will get the Network Connection window. Right-click on Local Area Connection if you use wired network connection. Right click on Wireless Network Connection if you use wireless adapter. Select Properties.
2. Select Internet Protocol (TCP/IP), click on Properties.
3. Select the option "Use the Following IP Address", enter 192.168.2.2 and subnet mask is 255.255.255.0. The 192.168.2.x IP address is a must in order to access router default IP 192.168.2.1.



- 4.
5. Click OK button twice to save the setting and exit the Local Area Connection Properties.
6. Open Internet Explorer, at the address bar, type **http://192.168.2.1** and press Enter.
7. It prompts for username and password.
8. The default username is admin. The password is 1234. Click on Login. You will get the configuration page of the EW-7206APG.
9. If you can not get the login page or if you get the login page but username admin and password 1234 failed, you can reset the router to factory default by pressing the Reset button at the back of EW-7206APg for 15 seconds. This will erase all the setting in EW-7206APg and restore the factory default.

### Second Step: Make sure you have the latest firmware for your Access Point.

At <http://192.168.2.1> Home page, the run time code version is the firmware version of your Access Point.

Access Point - Windows Internet Explorer

http://192.168.2.1/index.asp

EDIMAX  
NETWORKING PEOPLE TOGETHER

- Home
- Basic Setting
- Advanced Setting
- Security
- MAC Filtering
- System Utility
- Configuration Tool
- Upgrade
- Reset

### Status and Information

You can use the information to monitor the Access Point's MAC address, runtime and hardware version.

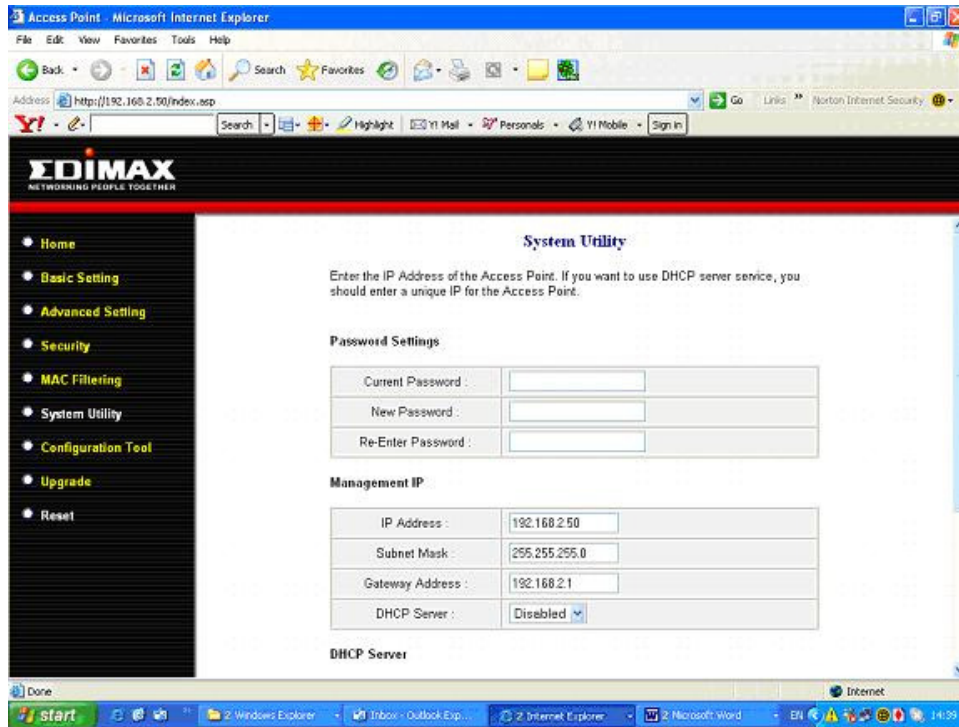
System	
Uptime	0day:0h:3m:7s
Hardware Version	Rev. A
Runtime Code Version	1.26
Wireless Configuration	
Mode	AP
ESSID	Default
Channel Number	11
Security	Disable
BSSID	00:0e:2e:65:6a:8b
Associated Clients	0
LAN Configuration	

The latest firmware is v1.26. If you have an older firmware version, you can get the latest firmware file from our web site, then go to the Upgrade button to do the upgrade.

**Third Step: Change the IP address of EW-7206APg according to your router. This step is optional.**

If you need to change the IP address of EW-7206APg so its IP address is in the same subnet with your network. You can do so under the System Utility setting and type in the new IP address for the Managed IP.

Or if you have another device like a broadband router use the same IP 192.168.2.1, you'll need to change the IP address of the Access point. No two devices on the network can use the same IP address.



After you type in the new IP address/subnet mask/default gateway, type in Apply. Wait for 10-15 seconds, the Access Point will reboot and have a new IP. In the Internet Explorer address bar, please type in the new address to login to the Access Point.

#### **Fourth Step: Configure EW-7206APg to use Universal Repeater Mode.**

1. In the setup page, go to Basic Settings.
2. There are several mode available for EW-7206APg
3. Select the option "Universal Repeater", then click on Apply button

Access Point - Windows Internet Explorer

http://192.168.2.1/index.asp

Google

Access Point

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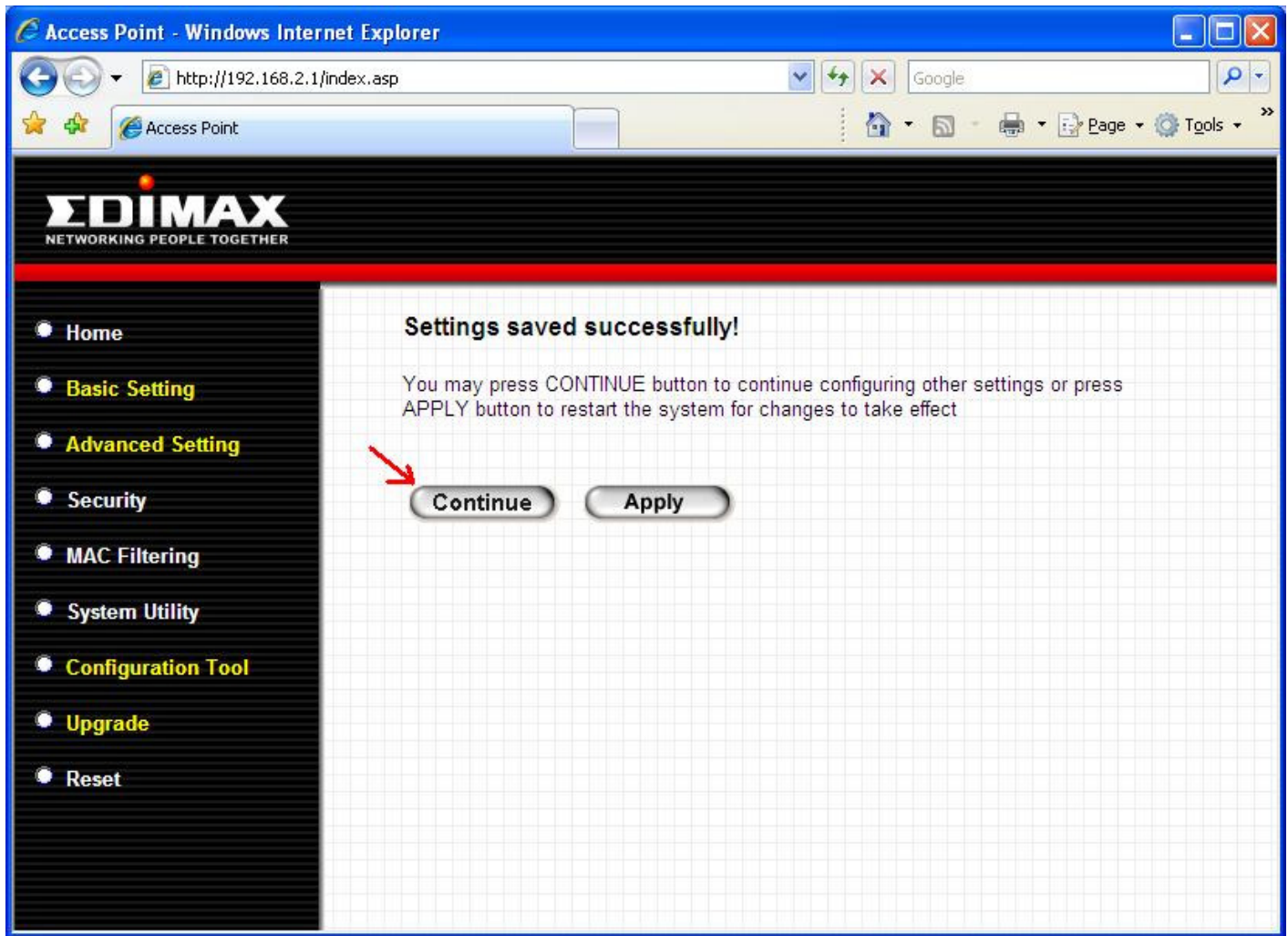
### Wireless Setting

This page allows you to define ESSID, and Channel for the wireless connection. These parameters are used for the wireless stations to connect to the Access Point.

Mode :	Universal Repeater
Band :	2.4 GHz (B+G)
ESSID :	Default
Channel Number :	11
Associated Clients :	Show Active Clients
WLAN MAC :	000000000000 Clone MAC
Root AP SSID :	

Apply Cancel

4. You will get a screen like this. Click on Continue, rather than Apply button.



5. You will get a screen like this, click on the button "Select Site Survey"

Access Point - Windows Internet Explorer

http://192.168.2.1/index.asp

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### Wireless Setting

This page allows you to define ESSID, and Channel for the wireless connection. These parameters are used for the wireless stations to connect to the Access Point.

Mode :	Universal Repeater
Band :	2.4 GHz (B+G)
ESSID :	Default
Channel Number :	11
Associated Clients :	Show Active Clients
WLAN MAC :	000000000000 Clone MAC
Root AP SSID :	
Site Survey :	Select Site Survey

6. Next window will pop up and display all the available wireless network around you. Check the signal strength from your wireless router, encryption, and channel...etc. Select your network in the circle option, then click on "Done" button. Then click on OK.

Wireless Site Survey - Windows Internet Explorer

http://192.168.2.1/wlsurvey2.asp

### Wireless Site Survey

This page provides tool to scan the wireless network. If any Access Point or IBSS is found, you could choose to connect it manually when client mode is enabled.

SSID	BSSID	Channel	Type	Encrypt	Signal	Select
kingpak-wireless	00:09:5b:74:7a:1f	11 (B+G)	AP	WEP	61	<input type="radio"/>
Edimax Apple Network	00:11:24:05:d0:ad	6 (B+G)	AP	WPA-PSK/WPA2-PSK	53	<input checked="" type="radio"/>

Refresh Done Close

Done Internet 100%

- Then click on “Close” button to close the pop up window and return back to the Universal Repeater setup page. In the Root AP SSID field, you should see that is the SSID of your wireless router.
- You can just click on Apply button to save the settings. If you prefer to change the SSID of EW-7206APg, you can do so. Please note The Root AP SSID is the SSID of the parent Access Point or the wireless router and the ESSID of EW-7206APg can not be the same with the SSID of your wireless router. The channel number should be the same as the parent Access Point.

Access Point - Windows Internet Explorer

http://192.168.2.1/index.asp

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Access Point

**EDIMAX**  
NETWORKING PEOPLE TOGETHER

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- System Utility
- Configuration Tool
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- Reset

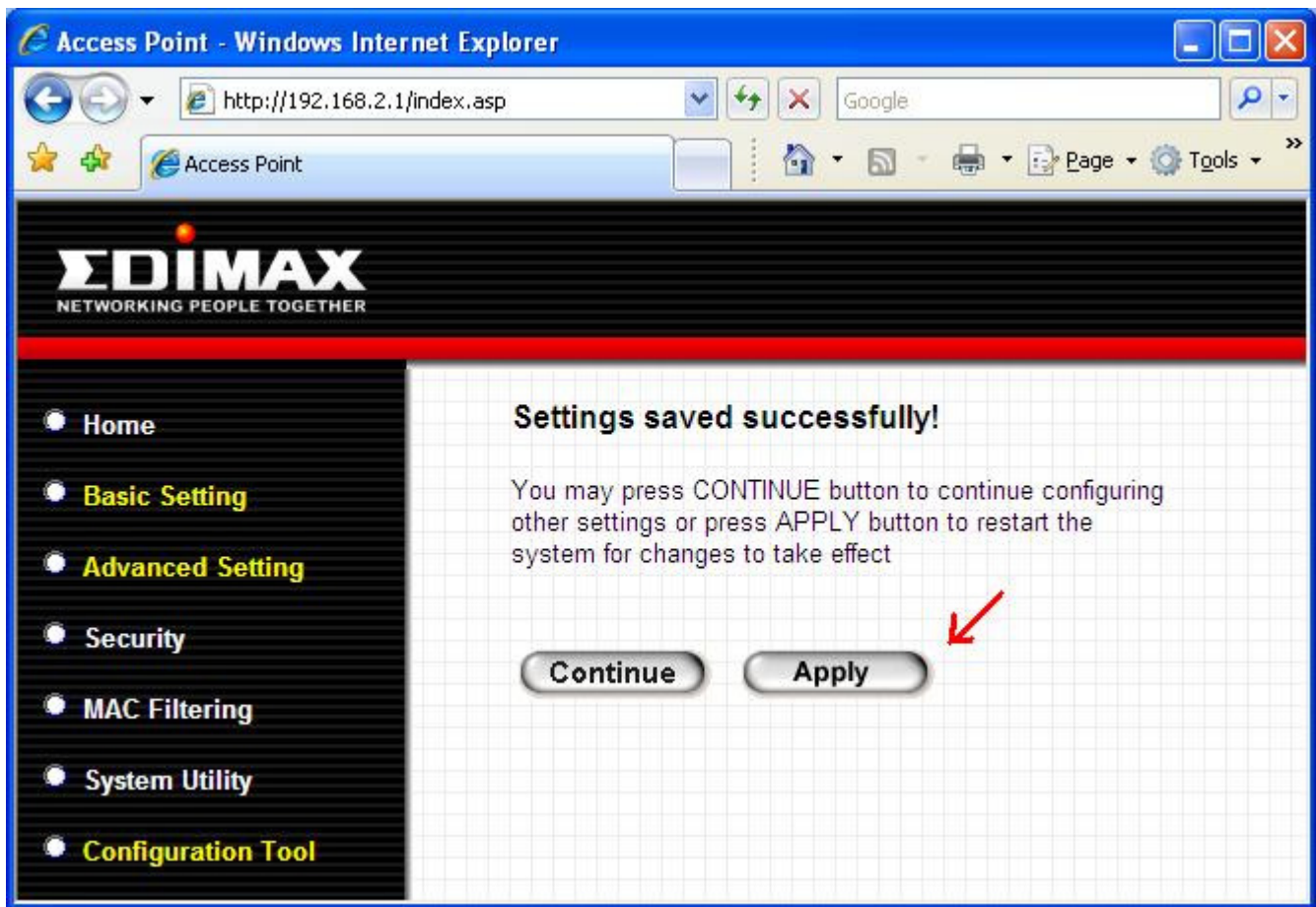
### Wireless Setting

This page allows you to define ESSID, and Channel for the wireless connection. These parameters are used for the wireless stations to connect to the Access Point.

Mode :	Universal Repeater
Band :	2.4 GHz (B+G)
ESSID :	Default
Channel Number :	6
Associated Clients :	Show Active Clients
WLAN MAC :	000000000000 <input type="button" value="Clone MAC"/>
Root AP SSID :	Edimax Apple Network
Site Survey :	Select Site Survey

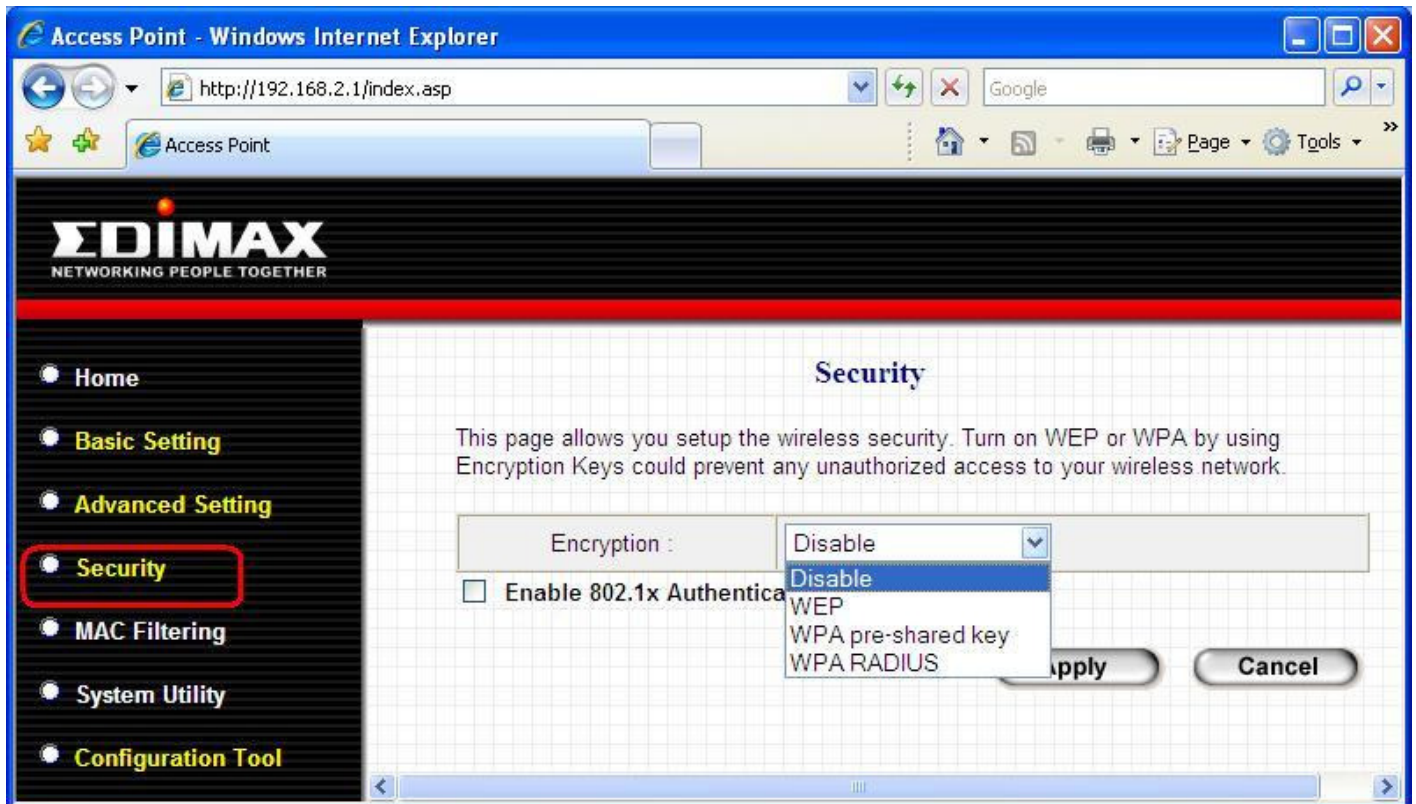
9. After you click on Apply, next screen is like below. If your wireless router has no encryption setup, you can just click on "Apply" button for router to reboot and have Universal Repeater mode take effective.



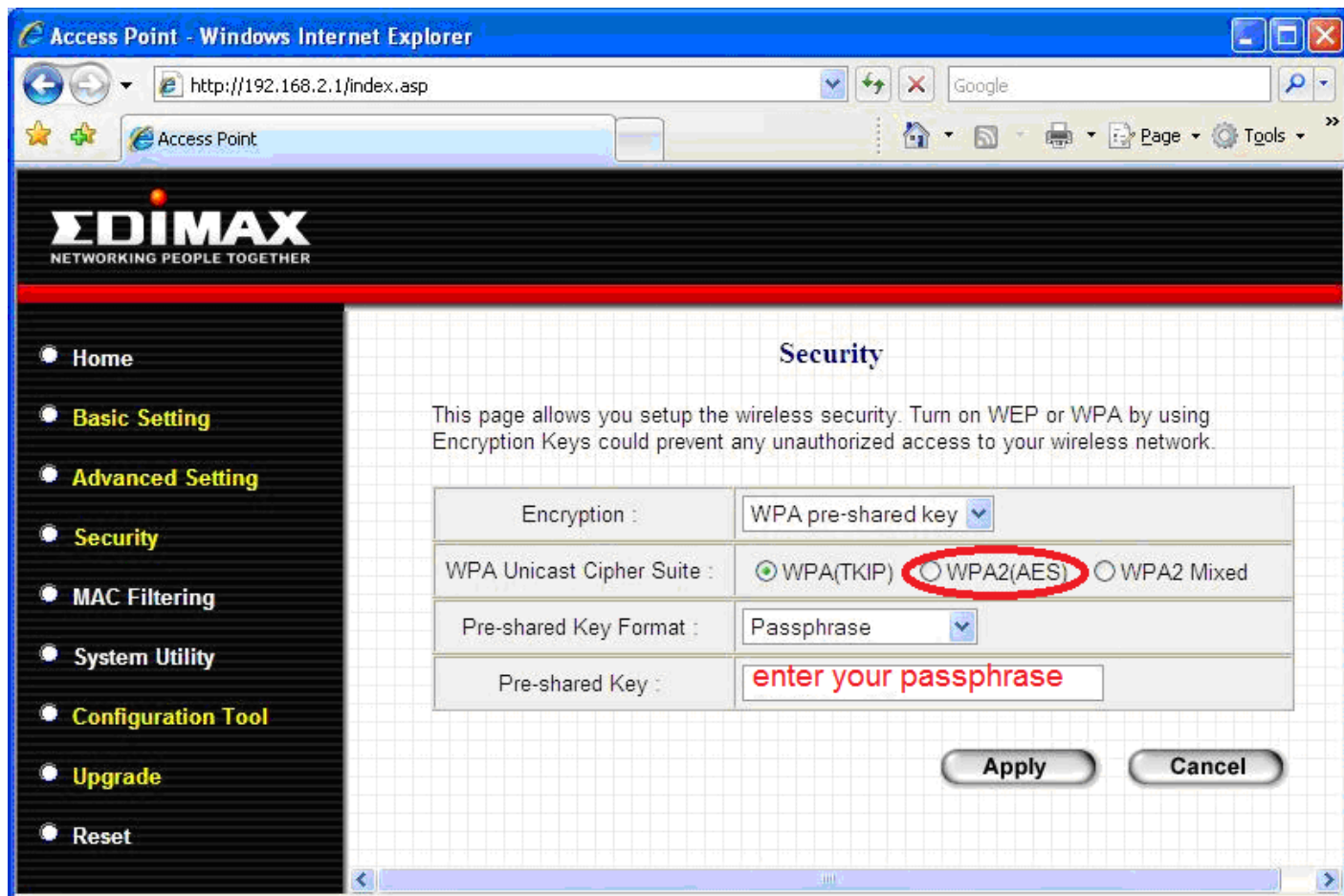


10. However, if you have WEP or WPA security setup in wireless router, you need to config the same security key under "Security". You can do this by clicking on "Continue", or if you click on "Apply" button you will need to wait for the router to reboot.

11. To setup the encryption in the EW-7206APg, go to Security. Select your encryption WEP, WPA or WPA Radius.



12. WPA2-AES is more secure than WEP and WPA TKIP. However, some old computers may not support WPA2 therefore your wireless router is setup to use WEP. Here you need to enter the same encryption method used in your wireless router. Click on Apply button. Then click on Apply button again.



13. After the Access Point saves settings and reboots, click on "Home" on the left menu. Check the Status of "Wireless Repeater Interface Configuration". The status should be "**Connected**".

The screenshot shows the Edimax Access Point configuration interface. The browser address bar displays 'http://192.168.2.1/index.asp'. The left sidebar contains navigation links: Home, Basic Setting, Advanced Setting, Security, MAC Filtering, System Utility, Configuration Tool, Upgrade, and Reset. The main content area displays the following configuration details:

System	
Uptime	0day:0h:0m:39s
Hardware Version	Rev. A
Runtime Code Version	1.26
Wireless Configuration	
Mode	Universal Repeater
ESSID	Default
Channel Number	6
Security	WPA-shared key
BSSID	00:0e:2e:65:6a:8b
Associated Clients	0
Wireless Repeater Interface Configuration	
ESSID	Edimax Apple Network
Security	WPA
BSSID	00:11:24:05:d0:ad
State	Connected
LAN Configuration	
IP Address	192.168.2.1
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
MAC Address	00:0e:2e:65:6a:8b

**Fifth Step: Make your Ethernet computer obtain IP address automatically.**

After you make sure you can ping one device on your network, you can change your TCP/IP setting back to "Obtain IP address automatically". Your Ethernet computer should get an IP address automatically from your router and then get on Internet.

**Final Step: Check whether your wireless computer connected to EW-7206APg able to get on line.**

Have a wireless computer connect to the EW-7206APg (in our example, EW-7206APg has a SSID named Default).

In case your wireless router does not get on line, here is the trouble shooting tips. Go to command prompt, ping a device on the main network. For example, ping the IP address of your wireless router. If you get replies from the pinged device, the EW-7206APg repeater mode is working.