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 wirelessly, but wired is preferred)

- 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.

ernet Protocol (TCP/IP) Proj	perties	?
ieneral		
You can get IP settings assigned this capability. Otherwise, you ne the appropriate IP settings.	l automatically if your network support ed to ask your network administrator f	or
C Obtain an IP address auton	natically	
Use the following IP addres	35.	-
<u>I</u> P address:	192.168.2.2	
S <u>u</u> bnet mask:	255 . 255 . 255 . 0	
<u>D</u> efault gateway:		
C Obtain DNS server address	automatically	
. Use the following DNS serv	ver addresses:	
Preferred DNS server:		
<u>A</u> lternate DNS server:	10 K K	
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- 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 <u>http://192.168.2.1</u> Home page, the run time code version is the firmware version of your Access Point.

C Access Point - Windows Internet	Explorer	
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Home	Status and	Information
Basic Setting	You can use the information to m and hardware version.	onitor the Access Point's MAC address, runtir
Advanced Setting	System	
Security	Uptime	0day:0h:3m:7s
MAC Filtering	Hardware Version	Rev. A
	Runtime Code Version	1.26
System Utility	Wireless Configuration	
Configuration Tool	Mode	AP
Illagrado	ESSID	Default
opyrade	Channel Number	11
Reset	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.

Access Point - Microsoft Internet Explo	rer			
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• Home		System Utili	ty.	
Basic Setting	Enter the IP Address of the A	Access Point. If you war	t to use DHCP server service,	you
Advanced Setting	should enter a unique in for a	NE ALCESS FORE.		
Security	Password Settings			
MAC Filtering	Current Password :			-
System Utility	New Password :			
Configuration Tool	Re-Enter Password :			
Upgrade	Management IP			
• Reset	IP Address :	192.168.2.50]	
	Subnet Mask	255.255.255.0	1	
	Gateway Address :	192.168.2.1	1	
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Done				Internet
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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

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Home		Wireless Setting
Basic Setting	This page allows you to define parameters are used for the w	e ESSID, and Channel for the wireless connection. These vireless stations to connect to the Access Point.
Advanced Setting		
Security	Mode :	Universal Repeater
MAC Filtering	Band :	2.4 GHz (B+G) 💌
e	ESSID :	Default
System Utility	Channel Number :	11 💌
Configuration Tool	Associated Clients :	Show Active Clients
Upgrade	WLAN MAC :	00000000000 Clone MAC
Reset	Root AP SSID :	
S		

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

C Access Point - windows internet Explorer		
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Access Point	🟠 • 🖾 • 🖶 • 🔂 Bage • 🔇	Tools + »
Home Settings saved successfully!		
Basic Setting You may press CONTINUE button to continue APPLY button to restart the system for chang	configuring other settings or press es to take effect	
Advanced Setting		
Continue Apply		
MAC Filtering		
System Utility		
Configuration Tool		
• Upgrade		
Reset		

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

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• Home		Wireless Setting	^
Basic Setting	This page allows you to defin parameters are used for the v	e ESSID, and Channel for the wireless connection. These vireless stations to connect to the Access Point.	
Advanced Setting			
Security	Mode :	Universal Repeater	
MAC Filtering	Band :	2.4 GHz (B+G) 💌	
a a a a a a a a a a a a a a a a a a a	ESSID :	Default	
System Utility	Channel Number :	11 💌	_
Configuration Tool	Associated Clients :	Show Active Clients	
Upgrade			
• Reset	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 - Window	rs Internet Explore	90					
http://192.168.2.1/wlsurvey2.asp							~
	Wireless	Site Sur	vey				~
This page provides tool to found, you could choose	o scan the wireless to connect it manu	network. I ally when	f any A client r	access Point node <mark>is</mark> enabl	or IBSS ed.	is	
SSID	BSSID	Channel	Туре	Encrypt	Signal	Select	
kingpak-wireless	00:09:5b:74:7a:1f	11 (B+G)	AP	WEP	61	0	
Edimax Apple Network	00:11:24:05:d0:ad	6 (B+G)	AP	WPA- PSK/WPA2- PSK	53	•	-
•	Refresh	Done)	Close				
Done				lnternet		• •	.00% •

7. 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.

8. 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.

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Home		Wireless Setting	^
Basic Setting	This page allows you to define parameters are used for the w	e ESSID, and Channel for the wireless connection. These vireless stations to connect to the Access Point.	
Advanced Setting	Mode :	Universal Repeater	
Security	Band :	2.4 GHz (B+G)	
MAC Filtering	ESSID :	Default	
System Utility	Channel Number :	6 💌	ā
Configuration Tool	Associated Clients :	Show Active Clients	
Upgrade	WLAN MAC :	00000000000 Clone MAC	
Reset	Root AP SSID :	Edimax Apple Network	
	Site Survey :	Select Site Survey	
		Apply Cancel	~

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.

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EDIMAX NETWORKING PEOPLE TOGETHER	0.41
Home	Settings saved successfully!
Basic Setting	You may press CONTINUE button to continue configuring
Advanced Setting	system for changes to take effect
Security	<u> </u>
MAC Filtering	Continue Apply
System Utility	
Configuration Tool	

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.

🖉 Access Point - Windows Internet Explo	er			
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🚖 🏘 🌈 Access Point		<u>6</u> - 6] 🔹 🖶 🔹 🔂 Page 🗸 🍈 Tools	* »
• Home		Security		
Basic Setting	nis page allows you setup the ncryption Keys could prevent a	vireless security. Turn o nv unauthorized access	n WEP or WPA by using to your wireless network.	
Advanced Setting				_
C. Sagurity	Encryption :	Disable	×	
Security	Enable 802.1x Authentica	Disable WEP		
MAC Filtering		WPA pre-shared key		_
System Utility		WPA RADIUS	Lipply Cancel	,
Configuration Tool				>

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.

C Access Point - Windows Intern	et Explorer	
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• Home		Security
Basic Setting	This page allows you setup the Encryption Keys could prevent	wireless security. Turn on WEP or WPA by using any unauthorized access to your wireless network.
Advanced Setting		
Security	Encryption :	WPA pre-shared key 💌
MAC Filtering	WPA Unicast Cipher Suite :	WPA(TKIP) WPA2(AES) O WPA2 Mixed
System Utility	Pre-shared Key Format :	Passphrase
	Pre-shared Key :	enter your passphrase
Configuration Tool		
Upgrade		Apply Cancel
Reset		
	<]	

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**".

C Access Point - Windows Internet Explorer			
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Basic Setting	Uptime	0day:0h:0m:39s	-
Advanced Setting	Hardware Version	Rev. A	
Security	Runtime Code Version	1.26	
	Wireless Configuration	ale and the second s	
MAC Filtering	Mode	Universal Repeater	
System Utility	ESSID	Default	
	Channel Number	6	
Configuration Tool	Security	WPA-shared key	
Upgrade	BSSID	00:0e:2e:65:6a:8b	
Posot	Associated Clients	0	
- Resel	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	
	Address 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.