

EW-7288APC



Edimax Technology Co., Ltd.

No.3, Wu-Chuan 3rd Road, Wu-Gu, New Taipei City 24891, Taiwan Email: support@edimax.com.tw

Edimax Technology Europe B.V.

Nijverheidsweg 25, 5683 CJ Best, The Netherlands Email: support@edimax.nl

Edimax Computer Company

3350 Scott Blvd., Bldg.15 Santa Clara, CA 95054, USA Live Tech Support: 1(800) 652-6776 Email: support@edimax.com

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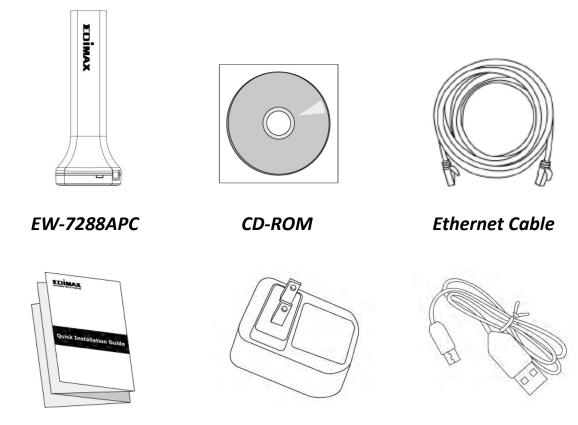
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I. Product Information

I-1. Package Contents

Before you start using this product, please check if there is anything missing in the package, and contact your dealer to claim the missing item(s):



Quick Installation Guide

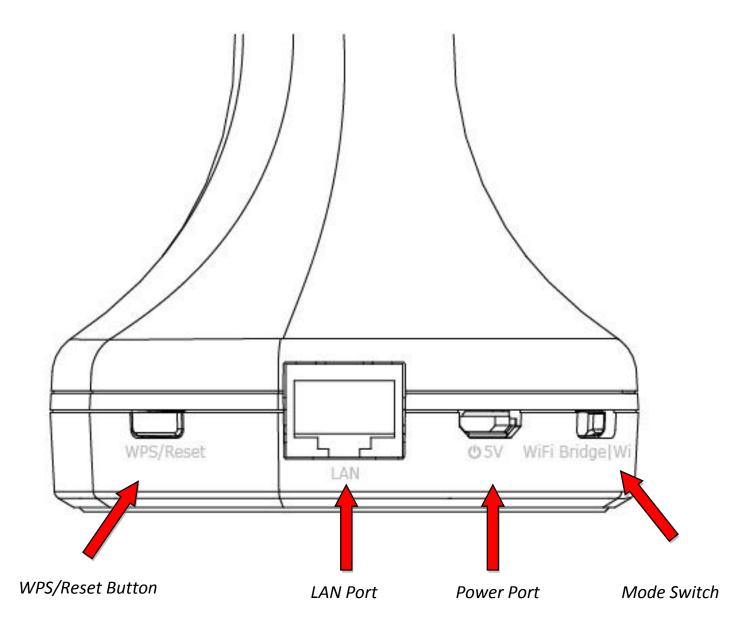
Power Adapter

USB Cable

I-2. LED Status

LED Color	LED Status	Description
White	On	EW-7288APC is powered on.
Purple	Flashing	EW-7288APC is booting up, resetting or upgrading firmware.
	On	WPS/Reset button has been pressed for 10 seconds.
Red	Flashing	Internet is disconnected.
Green	On	Wi-Fi is in standby mode or no data transmission from wireless clients.
Bright Green	On	EW-7288APC is ready after booting and Ethernet cable is connected or Wi-Fi is active and transmitting data.
Blue	On	Indicates a successful WPS connection (displays on for 5 minutes).
	Flashing	WPS in progress: waiting for connection.
Off	Off	EW-7288APC is off or in LED off mode.

I-3. Back Panel

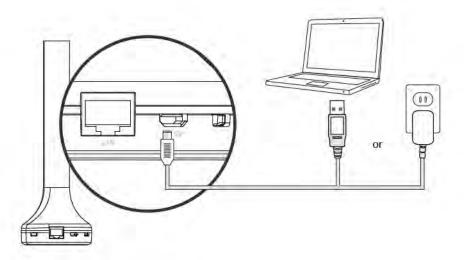


I-4. Safety Information

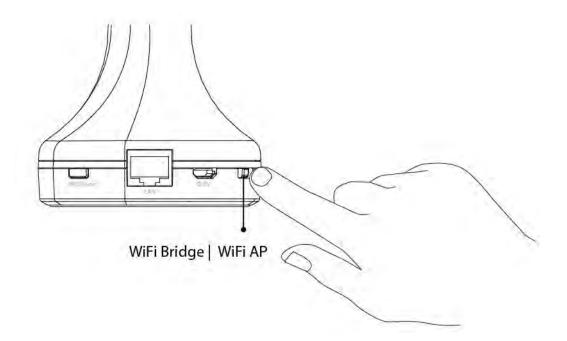
In order to ensure the safe operation of the device and its users, please read and act in accordance with the following safety instructions.

- 1. The device is designed for indoor use only; do not place it outdoors.
- 2. Do not place the device in or near hot/humid places, such as a kitchen or bathroom.
- 3. Do not pull any connected cable with force; carefully disconnect it from the EW-7288APC.
- 4. Handle the device with care. Accidental damage will void the warranty of the device.
- 5. The device contains small parts which are a danger to small children under 3 years old. Please keep the device out of reach of children.
- 6. Do not place the device on paper, cloth, or other flammable materials. The device may become hot during use.
- 7. There are no user-serviceable parts inside the device. If you experience problems with the device, please contact your dealer of purchase and ask for help.
- 8. The device is an electrical device and as such, if it becomes wet for any reason, do not attempt to touch it without switching the power supply off. Contact an experienced electrical technician for further help.

1. Plug in the EW-7288APC using either the included power adapter or USB cable.



2. Use the switch on the base of the EW-7288APC to select access point mode or Wi-Fi bridge mode.



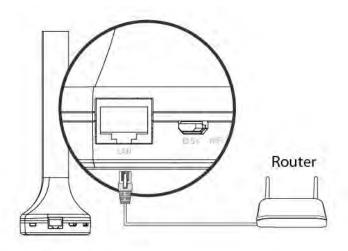
Access Point Mode	The device connects to an existing router via Ethernet cable and provides 5GHz wireless Internet access for your network devices.
Wi-Fi Bridge Mode	The device connects to a network device for example: TV, gaming console, or media player via Ethernet cable and acts as a wireless receiver,

allowing the network device to join your existing Wi-Fi network. The device also repeats the 5GHz
wireless signal for extended range for other
network devices.

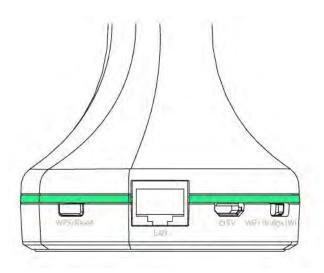
3. Ensure the LED is **on** and flashing **red**. Refer to the appropriate following chapter for more guidance on each mode.

II-1. Access Point Mode

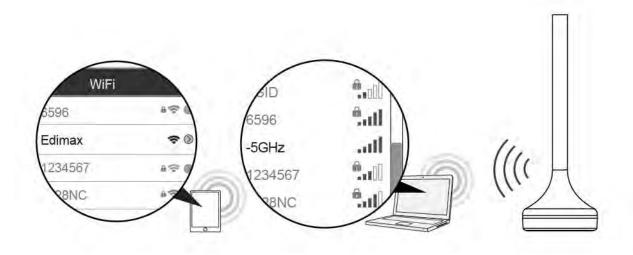
1.Connect the EW-7288APC to your router using an Ethernet cable.



2. Ensure the LED is on and green.



3. Use a Wi-Fi device (e.g. computer, tablet, smartphone) to search for a Wi-Fi network with the SSID **Edimax**-5GHz** and connect to it.



Two characters of the SSID (Edimax**-5GHz) will be unique numbers according to your device e.g."Edimaxc2-5GHz". These unique numbers are the last two characters of the EW-7288APC's MAC address, which is displayed along with the full SSID on the label on the underside of the EW-7288APC.



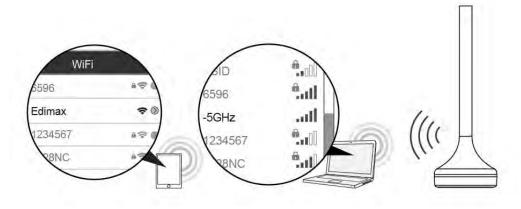
- **4.**Enter the Wi-Fi password which is displayed on the label on the underside of the EW-7288APC (see above).
- **5.**Once you are connected, you can browse the Internet as usual. Setup is complete.



To configure the EW-7288APC's settings e.g. change the SSID and password, go to http://edimax**.setup **in a browser. Refer to** Browser Based Configuration Interface in the following pages for more help.

II-2. Wi-Fi Bridge Mode

 Use a Wi-Fi device (e.g. computer, tablet, smartphone) to search for a Wi-Fi network with the SSID Edimax**-5GHz and connect to it.





Two characters of the SSID (Edimax**-5GHz) will be unique numbers according to your device e.g."Edimaxc2-5GHz". These unique numbers are the last two characters of the EW-7288APC's MAC address, which is displayed along with the full SSID on the label on the underside of the EW-7288APC.



- **2.**Enter the Wi-Fi password which is displayed on the label on the underside of the EW-7288APC (see above).
- 3.Open a web browser and if you do not automatically arrive at the "Get Started" screen shown below, enter the URL *http://edimax**.setup* and click "Get Started" to begin the setup process.

** are the last two characters of the EW-7288APC's MAC address (see above). You can also use the device's default IP address 192.168.9.2

http://edimaxc2.setup/



- **4.** Please read the on screen instructions about selecting a good location for your EW-7288APC and then click "NEXT" to continue. You can check your signal strength on the next page.
- **5.**Select your 5GHz Wi-Fi network from the list and enter the security key/password. You can also enter a new Wi-Fi network name (SSID) if you wish. Click "Next" to continue.



Check the box "Connect to a hidden network" **if you wish to connect to a hidden SSID and manually enter the details.**



Check the box "Hide Extender SSID" if you wish to keep the EW-7288APC's SSID hidden.

iQ Setup

Please connect this device to one of the following Wi-Fi networks.

Connect to a hidden network

Hide Extender SSID

Select	SSID	Signal Strength
\odot	Edimax IP CAM_5G	100
\odot	EdimaxHQ_5G	100
\odot	OBM_68U_5G	100
۲	LTLin-5G	98
	Security Key (your existing network security key) abcd1234	
	Extender device SSID LTLin-5G_5EX	
\odot	5G testing	88
0	EdimaxHQ_5G	70
0	OBM_WAP1750_A	70
\odot	NEC_5G	56
0	OBM-Celeno-5G	52
0	MEETING_ROOM_6F_5G	40
0	EdimaxHQ_5G	36
\odot	5G-2	24
\odot	EdimaxHQ_5G	22
\odot	EdimaxHQ_5G	20
0	PA_Buffalo_5G	20

No	•	Add	http://edimaxc2.setup	to your bookmarks (IE and Firefox only)).
----	---	-----	-----------------------	---	----

(Please copy http://edimaxc2.setup to bookmark manually if you use other browser)

BACK	Refresh	NEXT
------	---------	------

6.Please wait while the EW-7288APC tests the connection.



7. When the connection test is complete, click "Apply" to restart the extender.



8. Please wait a moment until the EW-7288ACP is ready.

System is restarting. Please wait for a moment.

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Remind: Your Wi-Fi will disconnect from the extender during the system restart (approximately 1 minute). When the system is complete, please connect to the extender's new SSID and password as below.

Extender Name : LTLin-5G_5EX Security Key : abcd1234

Starting connecting Wi-Fi extender's Ethernet port to any Ethernet device for wireless connectivity.

9. A final congratulations screen will indicate that setup is complete. The EW-7288APC is working and ready for use - the LED should display **on** and **green**.

Congratulations.

Your extender has successfully established a connection. You can reconnect to Extender by new SSID name/security key listed as below.

Extender Name : LTLin-5G_5EX Security Key : abcd1234

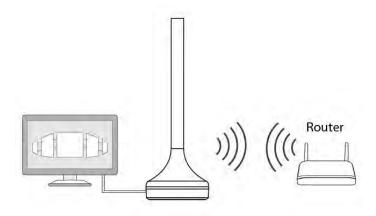
Starting connecting Wi-Fi extender's Ethernet port to any Ethernet device for wireless connectivity.

10. Please close the browser window. You can now connect to the EW-7288APC's **new SSID** on a wireless device within range such as a computer, smartphone or tablet.



The password for your EW-7288APC's SSID is the same as for your vour souter's SSID.

11. To use the EW-7288APC as a wireless bridge for a wired network device, simply connect the EW-7288APC to your network device's Ethernet port.



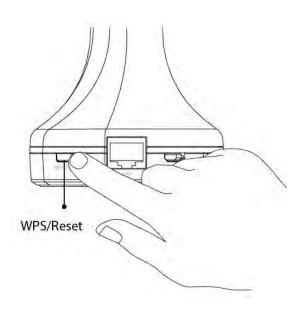
For more advanced configurations, use the browser based configuration interface (refer to **III. Browser Based Configuration Interface)**



II-6. WPS Setup

In access point mode, if your wireless device/client supports WPS (Wi-Fi Protected Setup) then you can use this method to connect to the EW-7288APC's Wi-Fi network. In Wi-Fi bridge mode, you can use WPS to connect your EW-7288APC to your existing 5GHz Wi-Fi.

 Press the WPS button on the EW-7288APC for 2 – 5 seconds to activate WPS. The LED will flash blue to indicate that WPS is active.



- 2. Within two minutes, press the WPS button on the wireless device/client (access point mode) or wireless router/access point (Wi-Fi bridge mode) to activate its WPS.
- **3.** The devices will establish a connection. The LED will display **on** and **blue** to indicate a successful connection.

Please check the instructions for your wireless device for how long you need to hold down its WPS button to activate WPS.

II-7. Reset to Factory Default Settings

If you experience problems with your EW-7288APC, you can reset the device back to its factory settings. This resets **all** settings back to default.

- **1.** Press and hold the WPS/Reset button found on the back panel for at least 10 seconds, until the LED displays **on** and **red**.
- **2.** Release the button and the LED will display **white** and then **flash purple**.
- **3.** Wait for the EW-7288APC to restart. The EW-7288APC is ready for setup when the LED is flashing **red** (no Ethernet cable connected) or displays **on** and **green** (Ethernet cable connected).

III. Browser Based Configuration Interface

III-1. Login

After setup you can access the browser based configuration interface to configure or change the settings of the EW-7288APC.

Enter *http://edimax**.setup* into the URL bar of a web browser on a network device which is connected to the EW-7288APC.

** are the last two characters of the EW-7288APC's MAC address. The MAC address is displayed on the label on the bottom of the EW-7288APC.

http://edimaxc2.setup/



If you can not access edimax.setup, connect the EW-7288APC to a computer using an Ethernet cable and try again.

You will be prompted for a username and password. The default username is "admin" and the default password is "1234". For more information, refer to the user manual.



You can access the browser based configuration interface using the device's IP address instead of using the URL http://edimax**.setup. You will arrive at the "Status and Information" screen. Use the menu down the left side to navigate.

Screenshots displayed are examples. The information shown on your screen will vary depending on your configuration.

Home		
iQ Setup	Status and Information	
Basic Settings	You can check the device's MAC address, r status below.	runtime code, hardware version, and network
WPS Setting		
Advanced Setting		System
Advanced Cetting		0day:0h:0m:13s
	Hardware Version Mode	AP
	Firmware version	v1.02 Upgrade Firmware
	Wireles	ss Configuration
	ESSID	Edimaxc2-5GHz
	Channel Number	153
	Security	WPA2 (AES)
	BSSID (MAC)	00:e0:4c:81:96:c2
	Associated Clients	1 Show Active Clients
	LAN (Configuration
	IP Address	192.168.9.2
	Subnet Mask	255.255.255.0
	Default Gateway	0.0.0.0
	MAC Address	00:e0:4c:81:96:c1

III-2. Save Settings

1. After you configure any settings, click the "Save" button at the bottom of the screen to save your changes.

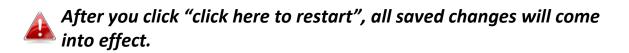


The device needs to restart in order to bring any changes into effect.

2. Then, click "click here to restart" in order to restart the device and bring the changes into effect.

Settings have been saved. Please click here to restart the router and bring the new settings into effect.

3. To make several changes at once, use the "Save" button after each change and then click "click here to restart" after your final change. Only one restart is necessary as long as each change is saved with the "Save Settings" button.



III-3. Main Menu

The main menu displays different options depending on your device's operating mode.

Access Point

Wi-Fi Bridge

Þ	Home
•	iQ Setup

- Basic Settings
- WPS Setting
- Advanced Setting

▶ Home
▶ iQ Setup
Advanced Setting

III-3-1. Home



The "Status and Information" page displays basic system information about the device, arranged into

categories.

Screenshots displayed are examples. The information shown on your screen will vary depending on your configuration.

Home			
iQ Setup	Status and Information		
Basic Settings	You can check the device's MAC address, runtime code, hardware version, and network status below.		
WPS Setting			
		System	
 Advanced Setting 	Uptime	0day:0h:0m:13s	
	Hardware Version		
	Mode Firmware version		
		ss Configuration	
	ESSID	Edimaxc2-5GHz	
	Channel Number	153	
	Security	WPA2 (AES)	
	BSSID (MAC)	00:e0:4c:81:96:c2	
	Associated Clients	1 Show Active Clients	
	LAN (Configuration	
	IP Address	192.168.9.2	
	Subnet Mask	255.255.255.0	
	Default Gateway	0.0.0.0	
	MAC Address	00:e0:4c:81:96:c1	

III-3-2. iQ Setup



You can run the iQ Setup wizard to configure the basic settings of the EW-7288APC. Refer to the

appropriate instructions below for each mode if you need help.

Access Point Mode

In access point mode, iQ Setup provides a quick way to configure your EW-7288APC's IP address as well as SSID & password.

1. Select "Obtain an IP address automatically" or "Use the following IP address" for your EW-7288APC. If you are using a static IP, enter the IP address, subnet mask and default gateway. Click "NEXT" to proceed to the next step.

Management IP

Management IP		
point. If you are using a static IP, enter the IP ay. Click Next to proceed to the next step.		
s automatically		
address		
192 . 168 . 9 . 2		
255 . 255 . 0		
0.0.0.0		
NEXT		

"Obtain an IP address automatically" is the recommended setting for most users. For more guidance on static IP addresses, please refer to IV-1. Configuring your IP address.

2. Enter a new SSID/Wi-Fi network name & password for your EW-7288APC if you wish, and choose to enable or disable a hidden SSID and password, then click "NEXT".



A hidden SSID will not be visible to your Wi-Fi devices and must be entered manually in order to connect.

It is not recommended to disable your Wi-Fi password.

Change basic Setting

Wi-Fi Network Name	Edimaxc2-5GHz
Hide Extender SSID	Disabled
Wi-Fi Network Password	Enabled -
	b5d43e3e

No

 Add <u>http://edimaxc2.setup</u> to your bookmarks (IE and Firefox only).

(Please copy http://edimaxc2.setup to bookmark manually if you use other browser)



3. Check that the settings are correct and click "Apply" to continue.

Settings saved successfully!

Please click APPLY to restart the system and make the changes take effect.

Wi-Fi Network Name : Wi-Fi Network Password : Edimaxc2-5GHz b5d43e3e

BACK Apply

4. Please wait a moment until the EW-7288APC is ready.

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System is restarting. Please wait for a moment.

Remind: Your Wi-Fi will disconnect from the AP during the system restart (approximately 1 minute). When the system is complete, please connect to the AP's new SSID and password as below.

Wi-Fi Network Name : Edimaxc2-5GHz Wi-Fi Network Password : b5d43e3e **5.** A final congratulations screen will indicate that setup is complete. You can now connect to the device's new SSID which is displayed on the screen, and close the browser window.

Congratulations.

You have successfully completed the configuration. You can close this browser window and reconnect to this AP device with new wireless security key now.

Wi-Fi Network Name : Edimaxc2-5GHz Wi-Fi Network Password : b5d43e3e

Wi-Fi Bridge Mode

In Wi-Fi bridge mode, iQ Setup here is the same as the initial setup wizard. Please refer back to *II-2. Wi-Fi Bridge Mode Step 5* onwards.

▶ Home		iQ Setup	
iQ Setup		and the second second second second	
Advanced Setting	Please of	connect this device to one of the following Wi	-Fi networks.
	 Connect to a hi Hide Extender 		
	Select	SSID	Signal Strength
	0	EdimaxHQ_5G	100
	0	OBM_68U_5G	100
	0	Edimax IP CAM_5G	100
	0	LTLin-5G	96
	O I	5G testing	82
	0	EdimaxHQ_5G	68
	Q	OBM_WAP1750_A	64
	Q	NEC_5G	60
	Ø	OBM-Celeno-5G	48
	0	MEETING_ROOM_6F_5G	44
	0	EdimaxHQ_5G	32
	0	5G-2	30
	0	EdimaxHQ_5G	30
	0	EdimaxHQ_5G	26

III-3-3. Basic Settings



The "Basic Settings" screen displays settings for your primary 5GHz Wi-Fi network.

Basic Settings		
Dasie Octangs		
This page allows you to define ESSID and channel number for the wireless connection. These parameters are used for wireless stations to connect to the access point.		
Mode	AP	
Band	5 GHz (A+N+AC) 🔻	
Main ESSID	Edimaxc2-5GHz	
AP Isolation (Client user isolation)	Disabled -	
Channel Number	Auto 👻	
Associated Clients	Show Active Clients	
	Save	

Mode	Displays the device's mode:"AP" or access point.
Band	Select the wireless standard used for the EW-7288APC's 5GHz Wi-Fi. "(A+N+AC)" means that 802.11a, 802.11n, and 802.11ac wireless clients can connect to the EW-7288APC.
Main SSID	This is the name of your Wi-Fi network for identification, also sometimes referred to as "SSID". The SSID can consist of any combination of up to 32 alphanumerical characters.
AP Isolation	Enable or disable AP isolation. This prevents wireless clients connected to the EW-7288APC from communicating with each other and improves security. Typically, this function is useful for corporate environments or public hot spots and can prevent brute force attacks on clients' usernames and

	passwords.
Channel Number	Select a wireless radio channel or use the default "Auto" setting from the drop-down
	menu.
Wireless Clients	Click "Show List" to display a new window
	showing information about wireless clients.
	Please disable any pop-up blockers if you
	have difficulty using this function.

III-3-4. WPS Setting

WPS Setting

Wi-Fi Protected Setup is a simple way to establish connections between WPS compatible devices. WPS

can be activated on compatible devices by pushing a WPS button on the device or from within the device's firmware/configuration interface. When WPS is activated in the correct manner and at the correct time for two compatible devices, they will automatically connect. PIN code WPS includes the use of a PIN code between the two devices for verification.

WPS (Wi-Fi Protected Setup) Settings This page allows you to configure WPS (Wi-Fi Protected Setup) settings. WPS allows wireless clients to connect to this device automatically. Note: WPS function will be disabled if your wireless security uses WEP or WPA (TKIP) encryption. Enable WPS Wi-Fi Protected Setup Information : WPS Status Configured 75727598 Self PinCode Device SSID Edimaxc2-5GHz Security Type WPA2 (AES) Passphrase Key b5d43e3e **Device Configure :** Configuration Mode Registrar Configure via Push Button Start PBC Send PIN Configure by Client PinCode

Enable WPS	Check/uncheck this box to enable/disable WPS.
WPS Status	Displays "Configured" or "unConfigured" depending on whether WPS and SSID/security settings for the device have been configured or not, either manually or using the WPS button.
Self PIN Code	Displays the WPS PIN code of the device.

Device SSID	Displays the SSID of the EW-7288APC.
Security Type	Displays the wireless security authentication
, ,,	mode of the device.
Decembrace Key	
Passphrase Key	Displays the wireless security authentication
	key.
Configuration	The configuration mode of the device's WPS
Mode	setting is displayed here. "Registrar" means
	the device acts as an access point for a wireless
	client to connect to and the wireless client(s)
	will follow the device's wireless settings.
Configure via Push	Click "Start PBC" (Push-Button Configuration)
Button	to activate WPS on the access point. WPS will
	be active for 2 minutes.
Configure via Client	Enter the wireless client's PIN code here and
PIN Code	click "Start PIN" to activate PIN code WPS.
	Refer to your wireless client's documentation if
	you are unsure of its PIN code.

III-3-5. Advanced Setting



The "Advanced Setting" menu varies according to operating mode.

Access Point Mode:

Advanced Settino Security MAC Filtering Password Settings Administration Utility Configurationt Tools The "Advanced Settings" screen allows you configure technical settings. These settings are for experienced users only, please do not change any of the values on this page unless you are already familiar with these functions. Other advanced features of your EW-7288APC can be configured from the submenu, such as wireless security and MAC filtering.

Wireless Advanced Setting

These settings are only for more technical advanced users who have sufficient knowledge about wireless LAN. These settings should not be changed unless you know what effects the changes will have.

Fragment Threshold	2346	(256-2346)
RTS Threshold	2347	(0-2347)
Beacon Interval	100	(20-1024 ms)
Data Rate	Auto	•
Channel Width	© 20MHz ⊚	Auto 20/40MHz Auto 20/40/80MHz
Preamble Type	Long Prear	nble 💿 Short Preamble
Broadcast ESSID	Enabled ()	Disabled
WMM	Disabled	Enabled
Tx Power	100 % 👻	
	Save	

Set the Fragment threshold of the wireless radio. The default value is 2346.
Set the RTS threshold of the wireless radio. The default value is 2347.

-	
Beacon Interval	Set the beacon interval of the wireless radio.
	The default value is 100.
Data Rate	Set the wireless data transfer rate. The
	default is set to Auto.
Channel Width	Select wireless channel width (bandwidth
	used by wireless signals from the device) –
	the recommended value is 20/40/80MHz.
Preamble Type	Set the wireless radio preamble type. The
	default value is "Long Preamble".
Broadcast SSID	Enable or disable to broadcast SSID or not.
WMM	WMM (Wi-Fi Multimedia) technology can
	improve the performance of certain network
	applications, such as audio/video streaming,
	network telephony (VoIP) and others. When
	WMM is enabled, the device will prioritize
	different kinds of data and give higher
	priority to applications which require instant
	responses for better performance.
Tx Power	Set the power output of the wireless radio.
	You may not require 100% output power.
	Setting a lower power output can enhance
	security since potentially malicious/unknown
	users in distant areas will not be able to
	access your signal.
	, 0

Wi-Fi Bridge Mode:

Advanced Setting

Password Settings Administration Utility Configurationt Tools The "Advanced Settings" page allows you to adjust the power output and LED operation of the EW-7288APC. The submenu options listed under "Advanced Settings" allow you to configure password and administrative IP functions, as well as restart/restore and upgrade firmware.

Wireless Advanced Setting	
Advanced functions of the extender can be configured below.	
Tx Power	100 % -
Enable LED Off Mode	Enabled Isabled
	Save

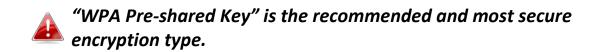
Tx Power	Set the power output of the wireless radio. You may not require 100% output power. Setting a lower power output can enhance security since potentially malicious/unknown users in distant areas will not be able to
	access your signal.
Enable LED Off	Enable or disable the EW-7288APC's LED.
Mode	

III-3-5-1. Security

The EW-7288APC provides various security options (wireless data encryption). When data is encrypted, information transmitted wirelessly cannot be read by anyone who does not know the correct encryption key.

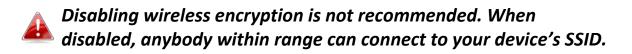
Security	
This page allows you setup the wireles Keys could prevent any unauthorized a	ss security. Turn on WEP or WPA by using Encryption access to your wireless network.
Security Type	WPA pre-shared key 👻
WPA Unicast Cipher Suite	○ WPA(TKIP)
Pre-Shared Key Format	Passphrase -
Security Key	b5d43e3e
	Save

Select an encryption type from the drop-down menu:



III-3-5-1-1. Disable

Encryption is disabled and no password/key is required to connect to the EW-7288AP.



•

Security Type Disable

III-3-5-1-2. WEP

WEP (Wired Equivalent Privacy) is a basic encryption type. For a higher level of security consider using WPA encryption.

Security	
This page allows you setup the wireles Keys could prevent any unauthorized a	ss security. Turn on WEP or WPA by using Encryption access to your wireless network.
Security Type	WEP -
Key Length	128-bit 💌
Key Format	HEX (26 Characters) -
Security Key	000000000000000000000000000000000000000
	Save

Key Length	Select 64-bit or 128-bit. 128-bit is more secure than 64-bit.
Key Format	Choose from "ASCII" (any alphanumerical character 0-9, a-z and A-Z) or "Hex" (any characters from 0-9, a-f and A-F).
Security Key	Enter your encryption key/password according

to the format you selected above. A complex, hard-to-guess key is recommended. Check the
"Hide" box to hide your password from being displayed on-screen.

III-3-5-1-3. WPA Pre-Shared Key

WPA pre-shared key is the recommended and most secure encryption type.

This page allows you setup the wirele Keys could prevent any unauthorized	ess security. Turn on WEP or WPA by using Encryption access to your wireless network.
Security Type	WPA pre-shared key 👻
WPA Unicast Cipher Suite	© WPA(TKIP)
Pre-Shared Key Format	Passphrase -
Security Key	b5d43e3e
	Save

WPA Unicast Cipher Suite Pre-shared Key	Select from WPA (TKIP), WPA2 (AES) or WPA2 Mixed. WPA2 (AES) is safer than WPA (TKIP), but not supported by all wireless clients. Please make sure your wireless client supports your selection. WPA2 (AES) is recommended followed by WPA2 Mixed if your client does not support WPA2 (AES). Choose from "Passphrase" (8-63
Format	alphanumeric characters) or "Hex" (up to 64 characters from 0-9, a-f and A-F).
Security Key	Please enter a key according to the format you selected above. A complex, hard-to-guess key is recommended. Check the "Hide" box to hide your password from being displayed on-screen.

III-3-5-2. MAC Filtering

MAC filtering is a security feature that can help to prevent unauthorized users from connecting to your EW-7288APC.

This function allows you to define a list of network devices permitted to connect to the EW-7288APC. Devices are each identified by their unique MAC address. If a device which is not on the list of permitted MAC addresses attempts to connect to the EW-7288APC, it will be denied.

To enable this function, check the box labeled "Enable Wireless Access Control".

MAC Addre	ss Filtering		
With MAC device.	address filtering set up, only auth	norized MAC addresses can	be associated to this
	MAC Address	Comment	Select
	11:22:33:44:55:66	Example	
		Delete Selected	Delete All
Enable Wireless Access Control			
	MAC Address	Comment	Add
		Save	

MAC address entries will be listed in the "MAC Address Filtering Table". Select an entry using the "Select" checkbox.

MAC Address	Authorized MAC addresses are listed here.
Comment	Comments associated with each MAC address are listed here.
Delete Selected	Delete the selected MAC address from the list.
Delete All	Delete all entries from the MAC address filtering table.

MAC address	Enter a MAC address of computer or network device manually without dashes or colons e.g. for MAC address 'aa-bb-cc-dd-ee-ff' enter 'aabbccddeeff'.
Comment	Enter a comment for reference/identification consisting of up to 16 alphanumerical characters.
Add	Click "Add" to add the MAC address to the MAC address filtering table.

III-3-5-3. Password Settings

You can change the password used to login to the browser-based configuration interface here. It is advised to do so for security purposes.

Please make a note of the new password. In the event that you forget the password and are unable to login to the browser based configuration interface, see <u>II-7. Reset to factory default</u> <u>settings for</u> how to reset the device.

Password Settings	
Current Password	
New Password	
Re-Enter Password	
	Reboot

Current Password	Enter your current password.
New Password	Enter your new password.
Confirmed Password	Confirm your new password.

III-3-5-4. Administration Utility

You can configure your Local Area Network (LAN) on this page. You can enable the router to dynamically allocate IP addresses to your LAN clients, and you can modify the IP address of the device. The device's default IP address is 192.168.9.2.



You can access the browser based configuration interface using the device's IP address instead of using the URL http://edimax**.setup.

Management IP

Obtain an IP address automatically

Ouse the following IP address

IP Address	192.168.9.2
Subnet Mask	255.255.255.0
Gateway Address	0.0.0.0

DHCP Server

IP Address	Specify the IP address here. This IP address will be assigned to the BR-6208AC and will replace the default IP address.
Subnet Mask	Specify a subnet mask. The default value is
	255.255.255.0
Gateway Address	Specify a gateway address. For static IP users,
	the default value is blank.

III-3-5-5. Configuration Tools

The "Configuration Tools" menu allows you to backup the EW-7288APC's settings, restore the settings to a previous version or restore the EW-7288APC back to its factory default state. You can also upgrade the firmware and reboot the device.



Do not switch off or disconnect the device during a firmware upgrade, as this could damage the device. It is recommended that you use a wired Ethernet connection for a firmware upgrade.

In the event that the router malfunctions or is not responding, then it is recommended that you restart the device.

Manage Settings	
	evice to a .bin file, restore the settings of the device to a the device to its factory default settings.
Backup Settings :	Save
Restore Settings :	Browse Upload
Restore to Factory Defaults :	Reset

Upgrade Firmware
Upgrade the firmware to the most recent version - it is recommended that you use a wired connection for the procedure.
Browse Apply
Reboot
In the event that the device malfunctions or is not responding, you can perform a system reboot. Click on Apply - this will reboot the device, without affecting your existing settings.
Apply

Manage Settings

to backup the EW-7288APC's settings, restore the settings to a previous version or restore the EW-7288APC back to its factory default state.

Backup Settings	Click "Save" to save the current settings on your
	computer as config.bin file.
Restore Settings	Click "Browse" to find a previously saved
	config.bin file and then click "Upload" to replace
	your current settings.
Restore to	Click "Reset" to restore settings to the factory
Factory Defaults	default. A pop-up window will appear and ask
	you to confirm and enter your log in details.
	Enter your username and password and click
	"Ok". See below for more information.

Upgrade Firmware

You can upgrade the system firmware to a more recent version. You can download the latest firmware from the Edimax website. After the upgrade, the system will restart.

Browse	Open a new window to locate and select the
	firmware file in your computer.

Reboot

In the event that the extender malfunctions or is not responding, then it is recommended that you restart the device.



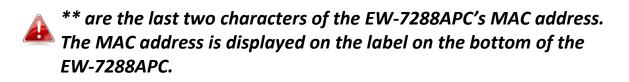
Rebooting the EW-7288APC will not affect the current configuration/settings of the device.

Apply	Click "Apply" to reboot the device. A status
	bar will indicate the progress of the reboot
	and you will see a confirmation screen when
	the reboot is complete.

IV. Appendix

IV-1. Configuring your IP address

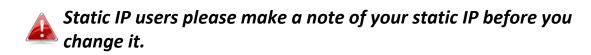
For first time access to the URL *http://edimax**.setup* please ensure your computer is set to use a dynamic IP address. This means your computer can obtain an IP address automatically from a DHCP server. You can check if your computer is set to use a dynamic IP address by following <u>IV-1-1</u>. How to check that your computer uses a dynamic IP address.



Static IP users can also temporarily modify your computer's IP address to be in the same IP address subnet e.g. **192.168.9.x (x = 3 – 254)** as the EW-7288APC in order to access *http://edimax**.setup*.

The EW-7288APC's default IP address is 192.168.9.2.

The procedure for modifying your IP address varies across different operating systems; please follow the guide appropriate for your operating system in **IV-1-2. How to modify the IP address of your computer**.



You can assign a new IP address to the device which is within the subnet of your network during setup or using the browser based configuration interface (refer to III-3-3. Basic Settings). Then you can access the URL *http://edimax**.setup* in future without modifying your IP address.



Please remember to change your IP address back to its original value after the device is properly configured.

IV-1-1. How to check that your computer uses a dynamic IP address

Please follow the instructions appropriate for your operating system.

IV-1-1-1. Windows XP

1. Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel". Double-click the "Network and Internet Connections" icon, click "Network Connections", and then double-click "Local Area Connection". The "Local Area Connection Status" window will then appear, click "Properties".

eneral	Authentication	Advanced	
Connec	t using:		
19	MD PCNET Fa	mily PCI Ethernet Ad	Configure
his c <u>o</u>	nnection uses t	he following items:	
	File and Printe Gos Packet S Internet Proto		ft Networks
-	nstall	Umnetall	Properties
Tran	area network p	l Protocol/Internet Pro rotocol that provides	
	ss diverse interc	connected networks.	
acro		connected networks. ation area when conr	nected

2. "Obtain an IP address automatically" and "Obtain DNS server address automatically" should be selected.

Internet Protocol (TCP/IP) P	roperties 🛛 🛛 🔀
General Alternate Configuration	
	l automatically if your network supports ed to ask your network administrator for
Obtain an IP address autom	natically
O Use the following IF address	
IP address:	
Subnet mask	
Default gateway.	
⊙ D <u>b</u> tain DNS server address	automatically
O Use the rollowing DNS serv	er addresses:
Preferred D/NS server	
Alternate DNS server	
	Advanced
	DK Cancel

IV-1-1-2. Windows Vista

1. Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel". Click "View Network Status and Tasks", then click "Manage Network Connections". Right-click "Local Area Network", then select "Properties". The "Local Area Connection Properties" window will then appear, select "Internet Protocol Version 4 (TCP / IPv4)", and then click "Properties".

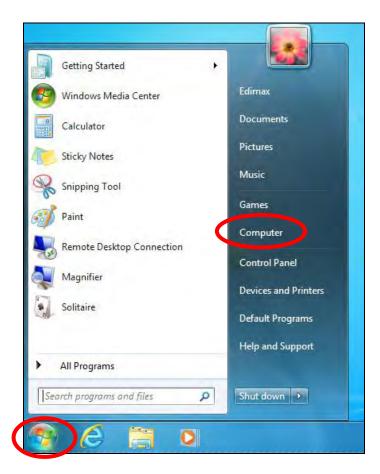
Connect using:	00 MT Network Conne	ection
This connection uses t	he following items:	Configure
	pology Discovery Map pology Discovery Res Uninstall	
Description	I Protocol/Internet Pro	tocol. The default

2. Select "Obtain an IP address automatically" and "Obtain DNS server address automatically" should be selected.

neral Alternate Configuration	1				
u can get IP settings assigned is capability. Otherwise, you r					
r the appropriate IP settings.					
Obtain an IP address auto	omatically	>			
Oge the following IP addre	:55:				
IP address:	1	1	Ŧ	1	
5ybnet mask:		1	4	+	
Default gateway:		÷.	÷		-
Obtain DNS server addres	a sutamatia	allar			
C Use the following Divis server					
Preferred DNS server:			-		-
<u>A</u> lternate DNS server:		÷	ж	4	-
				Adv	anced
				-	

IV-1-1-3. Windows 7

1. Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel".



2. Under "Network and Internet" click "View network status and tasks".



3. Click "Local Area Connection".

formation and se	et up connect	ions	
- 🏠	*	0	See full map
Home network		Internet	
		Con	nect or disconnect
	Access type: HomeGroup: Connections:	No Internet ac	
	- 🏠	Home network Access type:	Home network Internet Con Access type: No Internet ac HomeGroup: Poorly to creat

4. Click "Properties".

neral	
Connection	
IPv4 Connectivity:	No Internet access
IPv6 Connectivity:	No network access
Media State:	Enabled
Duration:	02:08:52
Speed:	100.0 Mbps
Activity	
Sent —	- Received
Bytes: 951,3	32 4,398,184
	Diagnose

5. Select "Internet Protocol Version 4 (TCP/IPv4) and then click "Properties".

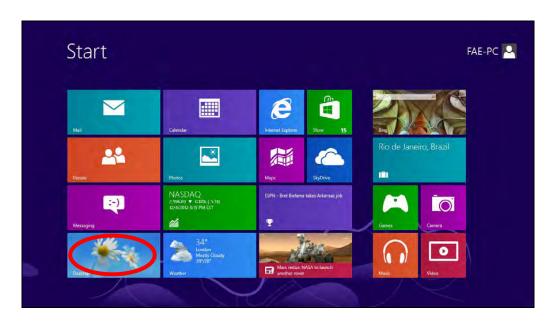
Connect using:		
Broadcom 440x 10/100	Integrated Controller	
		infigure
This connection uses the follow		
Client for Microsoft Net		
QoS Packet Schedule		
File and Printer Sharing	for Microsoft Network:	3
🗹 🛶 Internet Protocol Versi	P(IEVb)	
	A (TCP/IDv/I)	
		river
A Link-Layer Topology D A Link-Layer Topology D	scovery mapper 1/0 D	river
	scovery mapper 1/0 D	river
 Link-Layer Topology D Link-Layer Topology D 	iscovery Mapper I/O D liscovery Responder	river
Install	iscovery Mapper I/O D liscovery Responder	
Install	iscovery wapper I/O D liscovery Responder	operties
Install	iscovery wapper I/O D liscovery Responder ministall Pr version of the internet (operties

6. Select "Obtain an IP address automatically" and "Obtain DNS server address automatically" should be selected.

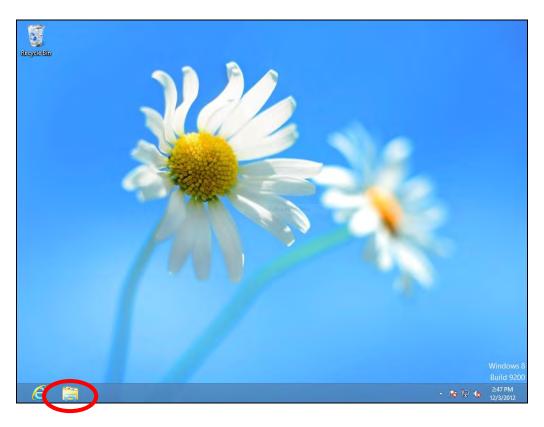
eneral	
	tomatically if your network supports d to ask your network administrator
Obtain an IP address automation of the following IP addresses	ically
IP address:	192 . 168 . 2 . 10
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	a
Obtain DNS server address au	tomatically
() Use the following DND converte	deresses:
Preferred DNS server:	a a a
Alternate DNS server:	a e a
Validate settings upon exit	Advanced
	OK Canc

IV-1-1-4. Windows 8

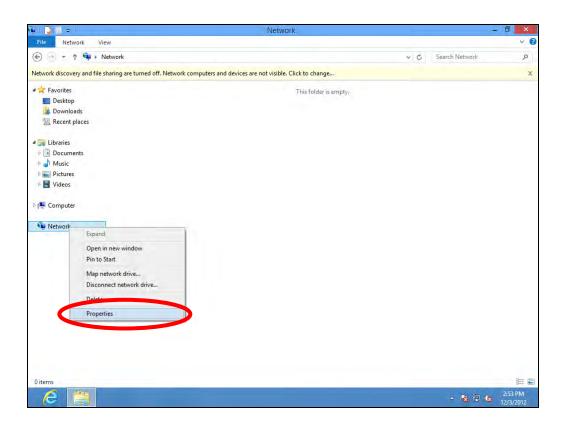
1. From the Windows 8 Start screen, you need to switch to desktop mode. Move your curser to the bottom left of the screen and click.



2. In desktop mode, click the File Explorer icon in the bottom left of the screen, as shown below.



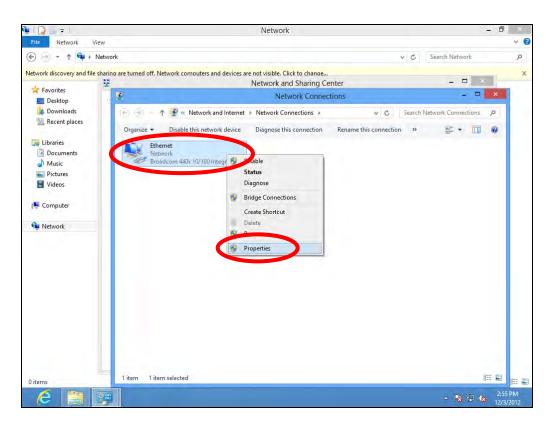
3. Right click "Network" and then select "Properties".



4. In the window that opens, select "Change adapter settings" from the left side.

■ <mark>}]</mark> + File Home Share	Library Tools Picture To		Pictures	
File Home Share	: View Manage Manage ibraries + Pictures +	e Network and Sharin nd Internet + Network and Sharing Cente		rch Pictures
• Network	See also HomeGroup Internet Options Windows Firewall Library includes: 2 locations	Troubleshoot problems	or VPN connection; or set up a router or access	
				▲ 😼 🖓 🧤 👍 2:54 PM 12/3/2012

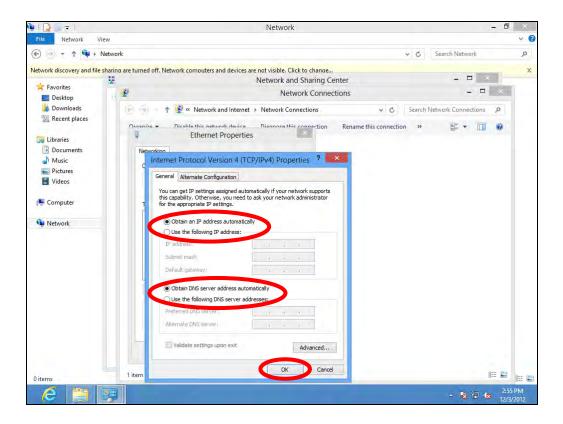
5. Choose your connection and right click, then select "Properties".



6. Select "Internet Protocol Version 4 (TCP/IPv4) and then click "Properties".

	Network					- 0	
File Network View			Y C	Search Ne	bwork		v (
			10	Searchive	WOIN		
Network discovery and file sharing a	are turned off. Network computers and devices are not visible. Click to change Network and Sharing Ce	nter		-			х
🙀 Favorites	Network Connect				_ 0	×	n'
Desktop	- (〒) (→) → ↑ 😰 « Network and Internet → Network Connections		French.	Network Con			
Recent places		~ C	Search	Network Con	nections	P	
調 Libraries	Ethernet Properties	Rename this connection	**	19	•		
Documents	Networking						
	Connect using:						
Pictures Videos	Proadcom 440x 10/100 Integrated Controller						
	Configure						
🌉 Computer	This connection uses the following items:						
Network	File and Printer Sharing for Microsoft Networks Microsoft Network Adapter Multiplexor Protocol Microsoft LIDP Protocol Driver Link-Layer Topology Discovery Mapper I/O Driver Link-Layer Topology Discovery Responder Link-Layer Topology Discovery Responder Microsoft LIDP Protocol Version 4 (TCPA/IPv4) Microsoft LIDP Protoco						
) items	1 item 1 item selected					855 🖬	1
6 🚞 📻				- [a 12 d		5 PM

7. Select "Obtain an IP address automatically" and "Obtain DNS server address automatically" should be selected.

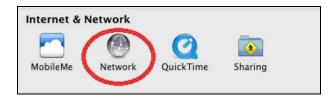


IV-1-1-5. Mac OS

1. Have your Macintosh computer operate as usual, and click on "System Preferences".



2. In System Preferences, click on "Network".



3. Click on "Wi-Fi" in the left panel and then click "Advanced" in the lower right corner.

Network		
	٩	
Location: Automatic	:	
	Wi-Fi is connected to OBM-Airl	
	Known networks will be joined If no known networks are avail	automatically. able, you will
Show Wi-Fi status	in menu bar	dvanced ?
	Location: Automatic Status: Network Name:	Location: Automatic ; Status: Connected Turn Wi-Fi is connected to OBM-Airl has the IP address 192.168.77. Network Name: OBM-AirPort-2.4G Mask to join new networks Known networks will be joined ff no known networks are avail be asked before joining a new

4. Select "TCP/IP" from the top menu and "Using DHCP" in the drop down menu labeled "Configure IPv4" should be selected.

Wi-I	TCP/IP PNS WINS 802.1X	Proxies Hardware
Configure	Using DHCP	P
IPv4 Address	Using BootP	Renew DHCP Lease
Subnet Mask Router	Manually Off	ID: (If required)
Configure IPv6:	Automatically	\$
Router:		
IPv6 Address:		
Prefix Length:		

V-1-2. How to modify the IP address of your computer

Please follow the instructions appropriate for your operating system. In the following examples we use the IP address **192.168.9.20** though you can use any IP address in the range **192.168.9.x** (x = 3 - 254) in order to access iQ Setup/browser based configuration interface.



V-1-2-1. Windows XP

1. Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel". Double-click the "Network and Internet Connections" icon, click "Network Connections", and then double-click "Local Area Connection". The "Local Area Connection Status" window will then appear, click "Properties".

	tion Advanced	
Connect using:		
AMD PONET	Family PCI Ethernet Ad	Configure
This connection use	es the following items:	
	licrosoft Networks	100
File and Pr	inter Sharing for Microsoft N	etworks
and the second sec	otocol (TCP/IP)	
l <u>n</u> stall	Imnetal	Properties
Description		
	ntrol Protocol/Internet Protoc rk protocol that provides con terconnected networks.	
across diverse in	tification area when connec	ed
actoss diverse in Sho <u>w</u> icon in no	tification area when connec this connection has limited c	

2. Select "Use the following IP address", then input the following values:

Your existing static IP address will be displayed in the "IP address" field before you replace it. Please make a note of this IP

address, subnet mask, default gateway and DNS server addresses.

IP address: 192.168.9.20 Subnet Mask: 255.255.255.0

Click 'OK' when finished.

nternet Protocol (TCP/IP) P	roperties 🛛 🛛 💽
General	
	automatically if your network supports ed to ask your network administrator for
O Obtain an IP address autom	atically
⊙ Use the following IP address	22
IP address:	192.168.9.20
S <u>u</u> bnet mask:	255 . 255 . 255 . 0
Default gateway:	· · ·
Dibtam DNS: server address	automatically
• Use the following DNS serve	er addresses:
Preferred DNS server:	· · ·
<u>A</u> lternate DNS server:	
	Advanced
	DK Cancel

V-1-2-2. Windows Vista

1. Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel". Click "View Network Status and Tasks", then click "Manage Network Connections". Right-click "Local Area Network", then select "Properties". The "Local Area Connection Properties" window will then appear, select "Internet Protocol Version 4 (TCP / IPv4)", and then click "Properties".

ntel(R) PRO/10	00 MT Network Conne	ection
		Configure
This connection uses t	he following items:	
Internet Proto Internet Proto Install	col version 6 (TCP/IP) col Version 4 (TCP/IP) pology Discovery Map pology Discovery Res	per 170 Driver
Description		tocol. The default

2. Select "Use the following IP address", then input the following values:

Your existing static IP address will be displayed in the "IP address" field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.

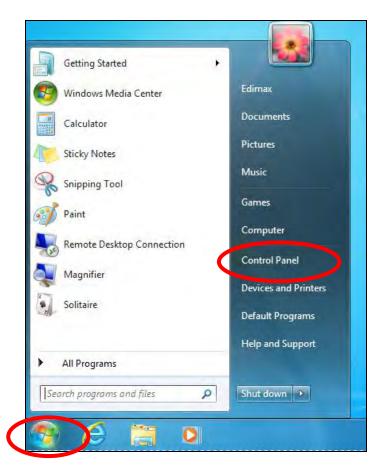
IP address: 192.168.9.20 Subnet Mask: 255.255.255.0

Click 'OK' when finished.

neral	
	ed automatically if your network supports need to ask your network administrator
) Obtain an IP address auto	omatically
() Use the following IP addre	255:
IP address:	192.168.9.20
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	
Obtain DNS server addres	s automatically
Use the following DNS ser	ver addresses:
Preferred DNS server:	
Alternate DNS server:	4 4 4
	Advanced

V-1-2-3. Windows 7

1. Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel".



2. Under "Network and Internet" click "View network status and tasks".



3. Click "Local Area Connection".

View your basic network info	rmation and se	et up connectio	ons	Con & Uman
I	- 🔐 -	×	6	See full map
TS-WIN7 (This computer)	Home network		Internet	
View your active networks				Connect or disconnect
Home network Home network		Access type: HomeGroup:	No Internet	esto
		Connections: 📱	Local Area	Connection

4. Click "Properties".

eneral		
Connection		
IPv4 Connectiv	ty: No Internet ad	cess
IPv6 Connectiv	ty: No network ad	cess
Media State:	Ena	abled
Duration:	02:0	8:52
Speed:	100.01	Mbps
Details		
	Sent — Rece	ived
Details Activity	Sent — Rece 951,332 4,398	

5. Select "Internet Protocol Version 4 (TCP/IPv4) and then click "Properties".

Connect using:		
Broadcom 440	x 10/100 Integrated Cor	ntroller
		Configure
This connection uses		
Client for Mi		
QoS Packet		N. C. C. R. C.
	ter Sharing for Microsoft	
and the second the second s	11/ · · · · · · · · · · · · · · · · · ·	C1
	acol Version 6 (TCP/IP)	
🗹 🔺 Internet Prot	cocol Version 4 (TCP/IP)	(4)
		v4) per I/O Driver
	ocol Version 4 (TCP/IP)	v4) per I/O Driver
	ocol Version 4 (TCP/IP)	v4) per I/O Driver
 ✓ Internet Prof ✓ DIR-Dayer ✓ Link-Layer 	cocol Version 4 (TCP/IP) opology Discovery Map Topology Discovery Resp	y4) per I/O Driver poonder
 ✓ Internet Prof ✓ Inic-Cayer ✓ Inic-Cayer ✓ Inic-Cayer Install Description TCP/IP version 6. 	cocol Version 4 (TCP/IP) opology Discovery Map Topology Discovery Resp	(4) per I/O Driver ponder Properties e internet protocol

6. Select "Use the following IP address", then input the following values:

Your existing static IP address will be displayed in the "IP address" field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.

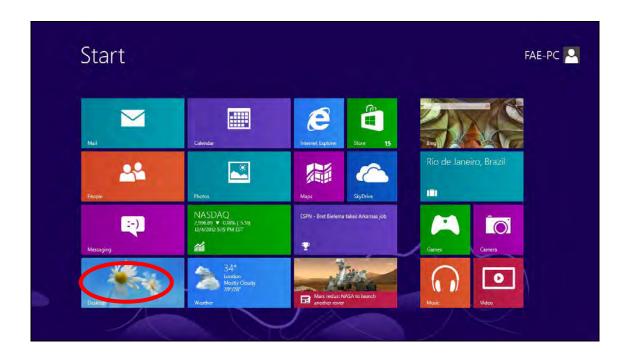
IP address: 192.168.9.20 Subnet Mask: 255.255.255.0

Click 'OK' when finished.

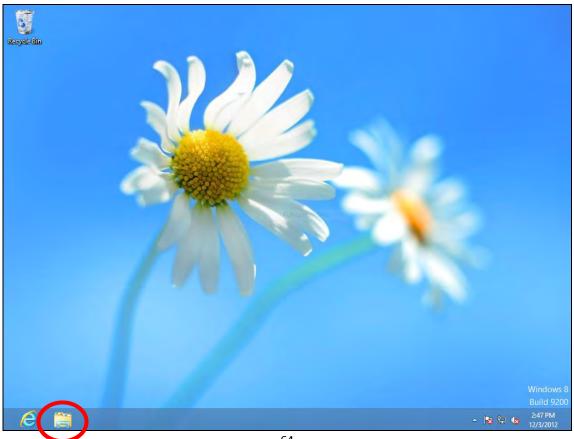
neral	
	d automatically if your network supports
or the appropriate IP settings.	need to ask your network administrator
) Obtain an IP address auto	an a bi an lla c
 Obtain an IP address auto Use the following IP address 	
IP address:	192.168.9.20
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	
Obtain DNS server address	s automatically
Output the following DNS service of the service	ver addresses:
Preferred DNS server:	1
Alternate DNS server:	4 4 4
	Advanced

V-1-2-4. Windows 8

1. From the Windows 8 Start screen, you need to switch to desktop mode. Move your curser to the bottom left of the screen and click.



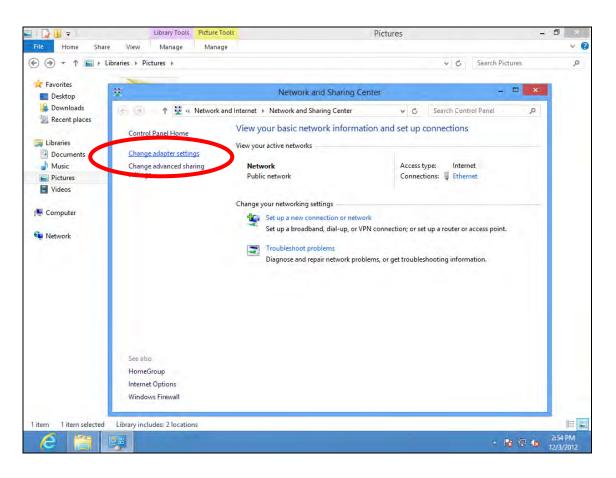
2. In desktop mode, click the File Explorer icon in the bottom left of the screen, as shown below.



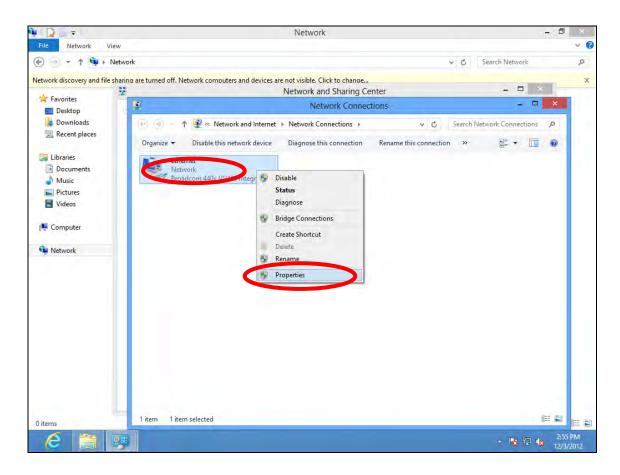
3. Right click "Network" and then select "Properties".

	Network	- 🗆 🗙
vork View		¥ (
îr 🗣 ⊦ Network	✓ C Search Network	,p
ery and file sharing are turned off. Network computers and	d devices are not visible. Click to change	x
	This folder is empty.	
blaces		
ents		
r		
Expand		
Disconnect network drive		
Delete		
	ery and file sharing are turned off. Network computers and eds elaces Ints Expand Open in new window Prin to save Map network drive Disconnect network drive	ry and file sharing are turned off. Network computers and devices are not visible. Click to change This folder is empty. ads laces Int Expand Open in new window Printo save Map network drive Disconnect network drive

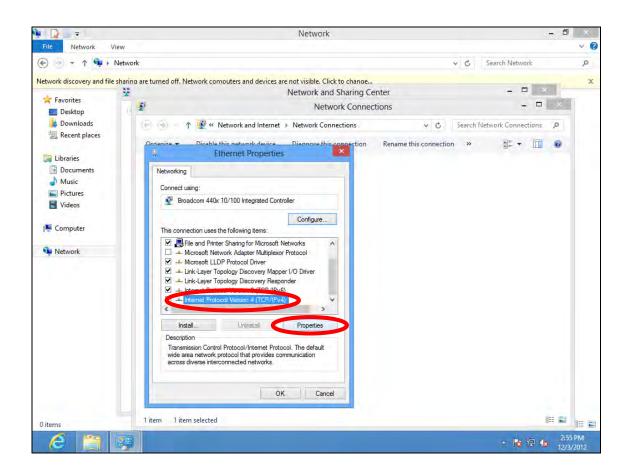
4. In the window that opens, select "Change adapter settings" from the left side.



5. Choose your connection and right click, then select "Properties".



6. Select "Internet Protocol Version 4 (TCP/IPv4) and then click "Properties".



7. Select "Use the following IP address", then input the following values:

Your existing static IP address will be displayed in the "IP address" field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.

IP address: 192.168.9.20 Subnet Mask: 255.255.255.0

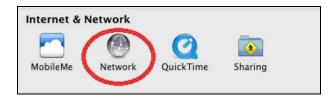
Click 'OK' when finished.

V-1-2-5. Mac

1. Have your Macintosh computer operate as usual, and click on "System Preferences"



2. In System Preferences, click on "Network".



3. Click on "Wi-Fi" in the left panel and then click "Advanced" in the lower right corner.

0	Network		
► Show All		Q	_
	Location: Automatic	\$	
Wi-Fl Connected	Status:	Connected Turn	Wi-Fi Off
Ethernet Not Connected		Wi-Fi is connected to OBM-AirP has the IP address 192.168.77.	
AX881thernet	Network Name:	OBM-AirPort-2.4G	\$
802.11 n WLAN Not Connected		Ask to join new network Known networks will be joind a If no known networks are availa be asked before joining a new r	automatically. ble, you will
Bluetooth PAN Not Connected			
- & -	Show Wi-Fi status	in menu bar	vanced
Click the lock to prev	ant further changes	Assist me Reve	rt Appl

4. Select "TCP/IP" from the top menu and select "Manually" from the drop down menu labeled "Configure IPv4", then click "OK".

Wi-Fi	11		
Wi-Fi	Using DHCP Using DHCP with manual address Using PootP	oxies	Hardware
Configure v4	Manually		
IPv4 Address	On		
Subnet Mask:	255.255.255.0		
Router:	192.168.77.1		
Configure IPv6:	Automatically	\$	
Router:			
IPv6 Address:			
Prefix Length:			

Your existing static IP address will be displayed in the "IP address" field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.

5. In the "IPv4 Address" and "Subnet Mask" field enter IP address 192.168.9.20 and subnet mask 255.255.255.0. Click on "OK".

Wi-Fi	TCP/IP DNS WINS	802.1X Proxies	Hardware
Configure IPv4:	Manually	*	
IPv4 Address:	192168.9.20		
Subnet Mark:	255.255.255.0		
Router:	192.168.77.1		
Configure IPv6:	Automatically	\$	
Router:			
IPv6 Address:			
Prefix Length:			

6. Click "Apply" to save the changes.



V-1-3. How to Find Your Network Security Key

To find your network security key, please follow the instructions appropriate for your operating system.

If you are using Windows XP or earlier, please contact your ISP or router manufacturer to find your network security key.

- V-1-3-1. Windows 7 & Vista
- **1.** Open "Control Panel" and click on "Network and Internet" in the top menu.



2. Click on "View network status and tasks" which is under the heading "Network and Sharing Center".



3. Click on "Manage wireless networks" in the left menu.



4. You should see the profile of your Wi-Fi network in the list. Right click on your Wi-Fi network and then click on "Properties".

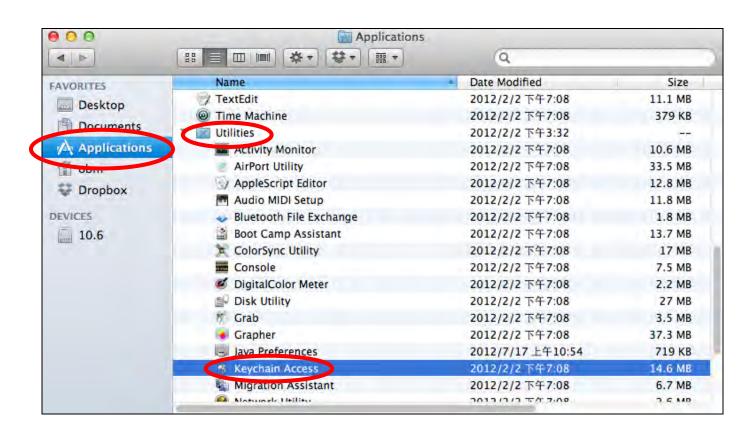
Add	Remove	Move down	Adapter properties	Profile types
Networ	ks you can v	view, modify, ar	nd reorder (2)	-
	HomeNet	work	Security: WPA2-P	ersonal
		Proper	ties	
		Remove	e network	
		Renam		-
		Move d	Contract Contract Contract	

5.Click on the "Security" tab, and then check the box labeled "Show characters". This will show your network security key. Click the "Cancel" button to close the window.

Connection Security	<u>r</u>	
Security type:	WPA2-Personal	
Encryption type:	AES	
Network security key	1234567890	

V-1-3-2. Mac

1. Open a new Finder window, and select "Applications" from the menu on the left side. Open the folder labeled "Utilities" and then open the application "Keychain Access".



2. Select "Passwords" from the sub-menu labeled "Category" on the left side, as shown below. Then search the list in the main panel for the SSID of your network. In this example, the SSID is "EdimaxWireless" – though your SSID will be unique to your network.

Keychains login System System Roots	EdimaxWireless Kind: AirPort network p. Account: AirPort Where: com.apple.netwo Modified: Today, 下午5:	ork.wlan.ssid.EdimaxWireless		
	Name	Kind	Date Modified	Keychain
	Apple ID Authentication	application password	2012/7/17 上午10:16:29	login
	Apple Persistent State Encryption	application password	2012/7/16 下午5:15:20	login
	A EDIMAX 6475	AirPort network password	2012/7/17 上午11:08:03	login
Category	A Edimax5fb78a	AirPort network password	2012/8/27 上午10:24:59	login
All Itoms	A EdimaxWireless	AirPort network password	Today, 下午5:45	login
Passwords	A for grant Contraction	application password	2012/7/17 上午10:16:23	login
Fasswords	A Matt	AirPort network password	Today, 下午5:28	login
My Certificates Keys Certificates	A PP-6574-Demo	AirPort network password	2012/7/17 下午2:21:30	login

3. Double click the SSID of your network and you will see the following window.

00	EdimaxWireless
-	Attributes Access Control
Name:	EdimaxWireless
Kind:	AirPort network password
Account:	AirPort
Where:	com.apple.network.wlan.ssid.EdimaxWireless
Comments:	
Show password:	
	Save Changes

4. Check the box labeled "Show password" and you will be asked to enter your administrative password, which you use to log into your Mac. Enter your password and click "Allow".

1	Keychain Access wan confidential informat "EdimaxWireless" in	tion stored in
	To allow this, enter the "lo Password:	ogin" keychain password.
2	Always Allow Account: AirPort	Deny Allow
	Where: com.appl	le.network.wlan.ssid.EdimaxWireless
<	Show password:	ę
		Save Changes

Your network security password will now be displayed in the field next to the box labeled "Show password". In the example below, the network security password is "edimax1234". Please make a note of your network security password.

00	EdimaxWireless
- 0	Attributes Access Control
Name:	EdimaxWireless
Kind:	AirPort network password
Account:	AirPort
Where:	com.apple.network.wlan.ssid.EdimaxWireless
Comments:	
Show password:	edimax1234
	Save Changes

V-1-4. How to Find Your EW-7288APC's IP Address

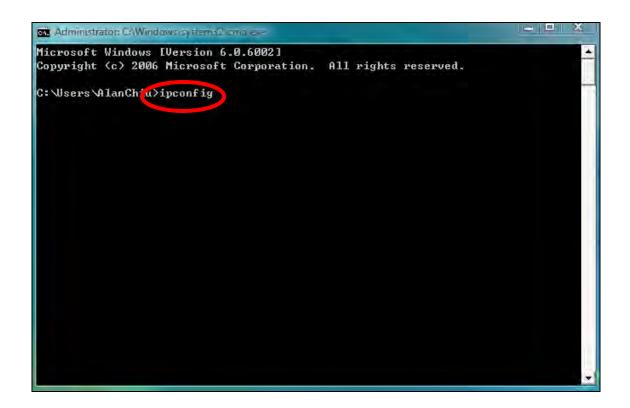
To find your EW-7288APC's IP address, please follow the instructions appropriate for your operating system.

V-1-4-1. Windows XP, Vista & 7

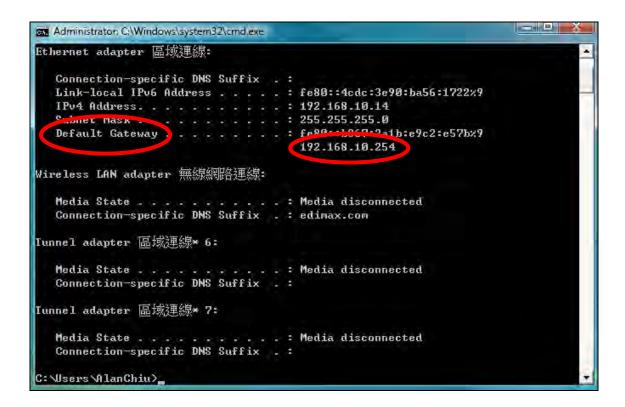
1. Go to "Start", select "Run" and type "cmd", then press Enter or click "OK".

E-mail	AlanChiu	
Microsoft Office Outlook		🖅 Run
Finternet Explorer	Documents Pictures	Type the name of a program, folder, document, or Internet
👸 XnView	Music	resource, and Windows will open it for you.
Microsoft Office Word 2007	Recent Items	Oper cmd • • • • • • • • • • • • • • • • • • •
Google Chrome	Computer	
Microsoft Office PowerPoint 2007	Network	OK Cancel Browse
Adobe Reader 9	Connect To	
Command Prompt	Control Panel	
開啟 Microsoft Office 文件	Default Programs	
Audacity	Run	
All Programs		
tart Search		

2. A new window will open, type "ipconfig" and press Enter.



3. Your router's IP address will be displayed next to "Default Gateway".



V-1-4-2. Windows 8

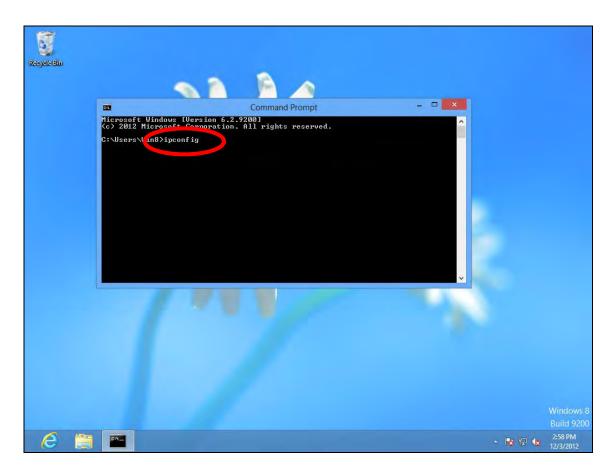
1. From the Windows 8 Start screen, move your curser to the top right corner of the screen to display the Charms bar.



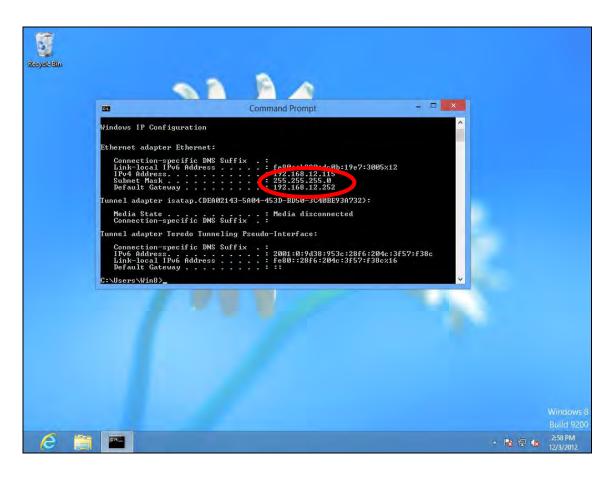
2. Click "Search" and enter "cmd" into the search bar. Click the "Command Prompt" app which be displayed on the left side.

Apps Results for "cmd"	Search	
	Apps	ρ
	Apps	1
	Settings	0
	Files	0
	Bing	
	Finance	
	Games	
	Mail	
	Maps	
	Music	

3. A new window will open, type "ipconfig" and press Enter.



4.Your router's IP address will be displayed next to "Default Gateway".



V-1-4-3. Mac

- **1.** Launch "System Preferences" and click on "Network".
- 2. If you are using an Ethernet cable to connect to your network, your router's IP address will be displayed next to "Router".

00		Network		-	
Show All				Q	_
	Location: Aut	omatic	\$		
Ethermet Connected FireWire Not Connected		Status:	Connected Ethernet is currently active address 192.168.10.179.	e and has the IP	
• Wi-Fi Off	🤶 Co	onfigure IPv4:	Manually	\$	
USB Neterface	600)	IP Address: Subnet Mask:	192.168.9.20		
Bluetooth PAN Not Connected	8		192.168.10.254		
	Sea	DNS Server: rch Domains:	192.168.1.12, 192.16	i8.1.2	
+ - \$*	_			Advanced	?

3. If you are using Wi-Fi, click "Wi-Fi" in the left panel, and then "Advanced" in the bottom right corner.

Loca	tion: Automatic		*
Wi-Fi Connected	Status:	Connected Wi-Fi is connected t IP address 10.0.20.1	Turn Wi-Fi Off to EdimaxHQ and has the 97.
FireWire Not Connected USB Neterface Not Connected Bluetooth PAN Not Connected	Network Name:	Ask to join new Known networks w If no known netwo	join this network w networks ill be joined automatically. rks are available, you will ining a new network.
+ - 20 -	☑ Show Wi-Fi status	in menu bar	Advanced

4. Click the "TCP/IP" tab and your router's IP address will be displayed next to "Router".

and and a second			
Configure IPv4:	Using DHCP	*	
IPv4 Address:	10.0.20.97		Renew DHCP Lease
Subnet Maclo	255,255,255,0	DHCP Client ID:	
Router:	10.0.20.254		(If required)
Configure IPv6:	Automatically	4 Ŧ	
Router:			
IPv6 Address:			
Prefix Length:			

V-2. Connecting to a Wi-Fi network

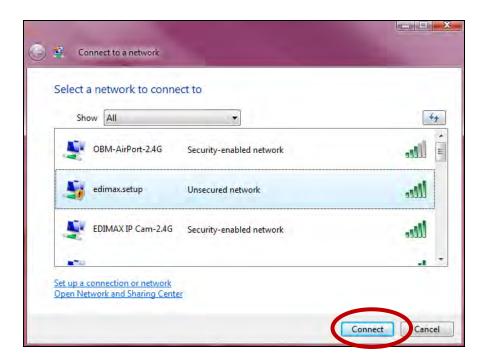
For help connecting to your device's *EdimaxEXT.Setup* SSID for initial setup, or to connect to your device's new Wi-Fi network (SSID) after setup is complete, follow the guide below:

Below is an example of how to connect using Windows Vista – the process may vary slightly for other versions of Windows.

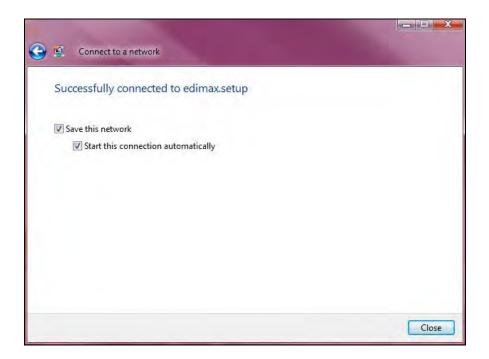
1. Click the network icon ([■],[™]or[♥]) in the system tray and select "Connect to a network".



2. Search for the SSID of your EW-7288APC and then click "Connect". If you set a password for your network, you will then be prompted to enter it.



3. After correctly entering your password, you will be successfully connected to the EW-7288APC's wireless network.



IV-3. Troubleshooting

1. Is my EW-7288APC dual-band?

a. No, the EW-7288APC is a 5GHz network device and cannot provide, extend or bridge 2.4GHz Wi-Fi.

2. Does the EW-7288APC work with a 2.4GHz router?

a. Yes, the EW-7288APC can connect to your 2.4GHz router via Ethernet cable in access point mode, and provide an additional 5GHz Wi-Fi network. In Wi-Fi bridge mode, an existing 5GHz router is required.

3. In Wi-Fi Bridge mode, how do I connect to a network which has a hidden SSID?

a. During iQ Setup, check the box labeled "Connect to hidden SSID" and you can manually enter a SSID in the "SSID" field as shown below, along with the relevant encryption information.

	iQ Setup
Connect to a hidden networkHide Extender SSID	
SSID	
Extender device SSID	
Encryption	Disable -

No
Add <u>http://edimaxc2.setup</u> to your bookmarks (IE and Firefox only).

(Please copy http://edimaxc2.setup to bookmark manually if you use other browser)

BACK

SSID	Enter the SSID (network name) of your existing,
	hidden network.
Extender device SSID	Enter an SSID for the EW-7288APC or use a
	default which consists of your existing router's
	SSID (above) +"_5EX".
Encryption	Select and enter the encryption information for
	your existing, hidden network.

4. I can't access the Internet.

- a. Ensure that all cables are connected properly. Try a different Ethernet cable.
- b. Check if you can access the browser based configuration interface. If not, please ensure your Wi-Fi device is set to use a dynamic IP address. If you are unsure how to do this, try using a computer and refer to the user manual for guidance.
- c. Connect a computer directly to your modem and check if you can access the Internet. If you can't, please contact your Internet service provider for assistance.

5. I can't open the browser based configuration interface.

a. Please ensure your Wi-Fi device is set to use a dynamic IP address. If you are unsure how to do this, try using a computer and refer to the user manual for guidance.

6. How do I reset my device to factory default settings?

a. To reset the device back to its factory default settings, press and hold the WPS/Reset button for over 10 seconds, until the LED displays **on** and **red**. Please wait a few minutes for the product to restart. When the device restarts, all settings will be reset. Default settings are displayed on the product label on the bottom of the device, as shown below:



This is the default Wi-Fi network name for the
device. Search for this name (SSID) and connect to
it in order to set up your EW-7288APC.

Wi-Fi Password	This is the default password required to connect to the default SSID (above).	
IP	The 192.168.9.2 is the default IP of EW-7288APC.	
	Enter this IP address in a web browser to run iQ	
	Setup (Wi-Fi Bridge mode). After setup, the	
	EW-7288APC will have a different IP address.	

7. I forgot my password.

a. Reset the router to its factory default settings and use the default username **admin** and default password **1234**. Default settings are displayed on the product label on the bottom of the device, as shown in **6**.

8. My EW-7288APC has a weak wireless signal.

Weak signals are usually caused by interference from other devices or obstacles blocking the EW-7288APC's wireless signal:

- a. Keep the device away from other radio devices such as microwaves or cordless phones.
- b. Do not put the device in the corner of a room or under/nearby metal.
- c. Ensure there are as few obstacles as possible between the EW-7288APC and your wireless network device.

In Wi-Fi bridge mode, the EW-7288APC's weak wireless signal may be in turn caused by a weak signal from your existing router. It's important to choose a good location for the EW-7288APC *in relation to your existing wireless router*. The best location is roughly in the middle between your existing wireless router and the area you would like to be covered by the EW-7288APC. If you are too far away from your existing router, then it is difficult for the EW-7288APC to receive a wireless signal.

9. What is the function of the LAN port?

The LAN port has a slightly different function depending on the operating mode of the device:

- a. In *access point* mode, the *LAN port* is for a direct connection to your existing router.
- b. In *Wi-Fi bridge mode, the LAN port* is for a direct connection to a wired network device, in order to provide Wi-Fi connectivity.

V. Glossary

Default Gateway (Wireless bridge): Every non-access point IP device needs to configure a default gateway's IP address. When the device sends out an IP packet, if the destination is not on the same network, the device has to send the packet to its default gateway, which will then send it out towards the destination.

DHCP: Dynamic Host Configuration Protocol. This protocol automatically gives every computer on your home network an IP address.

DNS Server IP Address: DNS stands for Domain Name System, which allows Internet servers to have a domain name (such as www.Broadbandaccess point.com) and one or more IP addresses (such as 74.125.128.104). A DNS server keeps a database of Internet servers and their respective domain names and IP addresses, so that when a domain name is requested (as in typing "Broadbandaccess point.com" into your Internet browser), the user is sent to the proper IP address. The DNS server IP address used by the computers on your home network is the location of the DNS server your ISP has assigned to you.

Ethernet: A standard for computer networks. Ethernet networks are connected by special cables and hubs, and move data around at up to 10/100 million bits per second (Mbps).

IP Address and Network (Subnet) Mask: IP stands for Internet Protocol. An IP address consists of a series of four numbers separated by periods, that identifies a single, unique Internet computer host in an IP network. Example: 192.168.2.1. It consists of 2 portions: the IP network address, and the host identifier.

A network mask is also a 32-bit binary pattern, and consists of consecutive leading 1's followed by consecutive trailing 0's, such as

111111111111111111111111100000000. Therefore sometimes a network mask can also be described simply as "x" number of leading 1's. When both are represented side by side in their binary forms, all bits in the IP address that correspond to 1's in the network mask become part of the IP network address, and the remaining bits correspond to the host ID.

For example, if the IP address for a device is, in its binary form, <u>11011001.10110000.1001</u>0000.00000111, and if its network mask is, 111111111111111111110000.00000000 It means the device's network address is <u>11011001.10110000.1001</u>0000.00000000, and its host ID is, 00000000.00000000000000000111. This is a convenient and efficient method for access points to route IP packets to their destination.

LAN: Local Area Network. A LAN is a group of computers and devices connected together in a relatively small area (such as a house or an office). Your home network is considered a LAN.

MAC Address: MAC stands for Media Access Control. A MAC address is the hardware address of a device connected to a network. The MAC address is a unique identifier for a device with an Ethernet interface. It is comprised of two parts: 3 bytes of data that corresponds to the Manufacturer ID (unique for each manufacturer), plus 3 bytes that are often used as the product's serial number.

Access point: A access point is an intelligent network device that forwards packets between different networks based on network layer address information such as IP addresses.

Subnet Mask: A subnet mask, which may be a part of the TCP/IP information provided by your ISP, is a set of four numbers (e.g. 255.255.255.0) configured like an IP address. It is used to create IP address numbers used only within a particular network (as opposed to valid IP address numbers recognized by the Internet, which must be assigned by InterNIC).

TCP/IP, UDP: Transmission Control Protocol/Internet Protocol (TCP/IP) and User Datagram Protocol (UDP). TCP/IP is the standard protocol for data transmission over the Internet. Both TCP and UDP are transport layer protocol. TCP performs proper error detection and error recovery, and thus is reliable. UDP on the other hand is not reliable. They both run on top of the IP (Internet Protocol), a network layer protocol. **WAN:** Wide Area Network. A network that connects computers located in geographically separate areas (e.g. different buildings, cities, countries). The Internet is a wide area network.

Web-based management Graphical User Interface (GUI): Many devices support a graphical user interface that is based on the web browser. This means the user can use the familiar Netscape or Microsoft Internet Explorer to Control/configure or monitor the device being managed.



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Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1. Reorient or relocate the receiving antenna.
- 2. Increase the separation between the equipment and receiver.
- 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4. Consult the dealer or an experienced radio technician for help.

FCC Caution

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Federal Communications Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

None

EU Declaration of Conformity

English:	This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC, 2009/125/EC.
Français:	Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 1999/5/CE, 2009/125/CE.
Čeština:	Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 1999/5/ES, 2009/125/ES.
Polski:	Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 1999/5/EC, 2009/125/EC.
Română:	Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 1999/5/CE, 2009/125/CE.
Русский:	Это оборудование соответствует основным требованиям и положениям Директивы 1999/5/EC, 2009/125/EC.
Magyar:	Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (1999/5/EK, 2009/125/EC).
Türkçe:	Bu cihaz 1999/5/EC, 2009/125/EC direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
Українська:	Обладнання відповідає вимогам і умовам директиви 1999/5/ЕС, 2009/125/ЕС.
Slovenčina:	Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 1999/5/ES, 2009/125/ES.
Deutsch:	Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 1999/5/EC, 2009/125/EC.
Español:	El presente equipo cumple los requisitos esenciales de la Directiva 1999/5/EC, 2009/125/EC.
Italiano:	Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 1999/5/CE, 2009/125/CE.
Nederlands:	Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 1999/5/EC, 2009/125/EC.
Português:	Este equipamento cumpre os requesitos essênciais da Directiva 1999/5/EC, 2009/125/EC.
Norsk:	Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 1999/5/EC, 2009/125/EC.
Svenska:	Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 1999/5/EG, 2009/125/EG.
Dansk:	Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 1999/5/EC, 2009/125/EC.
Suomi:	Tämä laite täyttää direktiivien 1999/5/EY, 2009/125/EY oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic
 equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European R&TTE directives.

Equipment: AC450 5GHz Band Extender Model No.: EW-7288APC

The following European standards for essential requirements have been followed:

Directives 1999/5/EC

:	ETSI EN 300 328 V1.8.1 (2012-06);
	ETSI EN 301 893 V1.7.1 (2012-06)
:	EN 301 489-1 V1.9.2 (2011-09);
	EN 301 489-17 V2.2.1 (2012-09);
:	IEC 60950-1:2005 (2 nd Edition);Am 1:2009
	EN 60950-1:2006+A11:2009+A1:2010+A12:2011
	:

Recommendation19 99/5/EC

EMF : EN 62311:2008

Directives 2006/95/EC

Safety (LVD)	:	IEC 60950-1:2005 (2 nd Edition);Am 1:2009	
		EN 60950-1:2006+A11:2009+A1:2010+A12:2011	

Edimax Technology Co., Ltd. No. 3, Wu Chuan 3rd Road, Wu-Ku Industrial Park, New Taipei City, Taiwan

$\mathbf{C} \in \mathbf{O}$	Date of Signature: Signature:	April, 2014
	Printed Name:	Albert Chang
	Title:	Director
	-	Edimax Technology Co., Ltd.

