





EW-7416APn and EW-7228APn can work as Wireless Bridge which will catch your home network's WiFi signal and convert to Ethernet port(s). After the setup is completed, you can plug your Ethernet devices like DVD Blu-Ray player, Xbox, Internet TV to EW-7416APn/EW-7228APn. Your Ethernet devices will be able to access your WiFi network for Internet.

AP Client mode is also known as Wireless Bridge or Station Infrastructure mode.

This instruction is for Macintosh system.

## Web Management Interface

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



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



3. Here you will see all of your network connections. Remove any Ethernet cable that may be connected, so that the "Ethernet" status in the left sidebar displays "Not Connected", as shown below. Then, you need to ensure that your Macintosh's Wi-Fi is switched off. Select "Wi-Fi" from the left sidebar.

			~
	Location: Automatic	;	•
Wi-Fi Connected	Status:	Connected Wi-Fi is connected to He the IP address 10.0.1.3.	Turn Wi-Fi Off
FireWire      Not Connected      Buetooth PAN      No IP Address	Network Name:	HomeNetwork	etworks e joined automatically. re available, you will a new network.
+ - &-	Show Wi-Fi status	in menu bar	Advanced

4. If your Wi-Fi is switched on, click on the button labeled "Turn Wi-Fi Off". The "Network" screen should now look like the screen below, where under the heading "Wi-Fi" in the left sidebar, the status is shown as "Off".

0	Network		6
► Show All			Q
	Location: Automatic		\$
Ethernet     Not Connected	Status:	Off	Turn Wi-Fi On
FireWire Not Connected	<b>알</b>		
e Wi-Fi Off	Network Name:	Wi-Fi: Off	\$
Bluetooth PAN No IP Address	8	Ask to join net Known networks w If no known netwo be asked before jo	w networks ill be joined automatically. rks are available, you will Ining a new network.
·	☑ Show Wi-Fi status	in menu bar	Advanced ?

5. Connect one end of an Ethernet cable to the Ethernet port on your computer. Then connect the other end to an Ethernet port on the access point, as shown below (1). Plug the power adapter into the device's 5V power port, and plug the adapter into a wall socket (2).



The PWR LED and corresponding LAN LED on the access point should now light up.

6. Network Preferences will now display an Ethernet adapter, as shown below. The status of "Ethernet" should be "Connected".

	Location:	Automatic	\$	
Ethernet Connected FireWire	«»»	Status:	Connected Ethernet is currently active a address 169.254.120.253.	ind has the IP
Not Connected Wi-Fi Off Bluetooth PAN No IP Address	* ©	Configure IPv4: IP Address: Subnet Mask: Router: DNS Server: Search Domains:	Using DHCP 169.254.120.253 255.255.0.0	\$
- &×			C	Advanced )

7. Click on "Ethernet" in the left panel and then click the drop down arrow for the menu labeled "Configure IPv4" in the right panel. From the drop down menu, select "Manually".

00	Network	0
Show All		Q
Loo	ation: Automatic	\$
Ethernet Connected	Status: Con Ether addre	nected net is currently active and has the IP sss 169.254.120.253.
Off     Off     Siluetooth PAN     No IP Address	Configure IPv4 🗸 Usi Usi IP Address Usi Subnet Mask Mar Router Off DNS Server Cre	ng DHCP in the manual address ng BootP nually ate PPPoE Service
	Search Domains:	
+ - &*	fundamentaria and fundamentaria an	Advanced



**Note**: The access point uses the default IP address 192.168.2.1, which may not be in the same IP address subnet of your network. Accordingly, you need to modify the IP address of your Macintosh to 192.168.2.10, as shown in the next step.



**Note**: Please refer to the user manual for guidance on how to assign a new IP address to the **access point**. If the default IP remains unchanged, you will need to repeat this process and modify the IP of your **Macintosh** every time you wish to configure the access point.

8. In the panel on the right side, enter IP address 192.168.2.10 and subnet mask 255.255.255.0. Click on "Apply".

Show All   Location:   Automatic   Ethernet   Connected   Ethernet is currently active and has the IP address 169.254.41.103.   Wi-Fi off   Status:   Configure IPv4:   Manually   IP Address:   192.168.2.10   Subnet Mask:   255.255.0   Router:   DNS Server:   Search Domains:	0 0		Network		
Location: Automatic Ethernet Connected FireWire Off Wi-Fi Off Bluetooth PAN No IP Address No IP Address Advanced	► Show All			Q	
Ethernet connected       Status: Connected         FireWire Not Connected       Status: Connected         Wi-Fi       Status: Configure IPv4: Manually         Off       Status: 192.168.2.10         Bluetooth PAN No IP Address       Subnet Mask: 255.255.255.0         No IP Address       DNS Server:         DNS Server:       Search Domains:		Location:	Automatic	\$	
<ul> <li>Wi-Fi Off</li> <li>Bluetooth PAN No IP Address</li> <li>IP Address:</li> <li>192.168.2.10</li> <li>Subnet Mask:</li> <li>255.255.255.0</li> <li>Router:</li> <li>DNS Server:</li> <li>Search Domains:</li> </ul>	Ethernet Connected     FireWire Not Connected	(***) ***	Status:	Connected Ethernet is currently active a address 169.254.41.103.	nd has the IP
Bluetooth PAN S IP Address: 192.168.2.10 Subnet Mask: 255.255.0 Router: DNS Server: Search Domains: + - **	⊖ Wi-Fi Off	(Reference)	Configure IPv4:	Manually	*
No IP Address     Subnet Mask: 255.255.0     Router:     DNS Server:     Search Domains:     Advanced	Bluetooth PAN		IP Address:	192.168.2.10	
Router: DNS Server: Search Domains: + - ☆▼	No IP Address	<b>v</b>	Subnet Mask:	255.255.255.0	
DNS Server: Search Domains:			Router:		
Search Domains:			DNS Server:		
+ − &			Search Domains:		
+ − &					
+   -   ☆▼					
	+ - **				Advanced ?
0	+ - \$*			C	Advanced

9. In the left sidebar, "Ethernet" should now display "Connected" as shown below. In the right panel, you should see the IP address 192.168.2.10 and subnet mask 255.255.255.0.

	Location:	Automatic	\$	
Ethernet Connected FireWire Not Connected	***	Status:	Connected Ethernet is currently active and has the IP address 192.168.2.10.	,
Wi-Fi	<b></b>	Configure IPv4:	Manually	\$
Bluetooth PAN		IP Address:	192.168.2.10	
No IP Address	<b>V</b>	Subnet Mask:	255.255.255.0	
		Router:		
		DNS Server:		
		Search Domains:		
			Advanced.	

10. Open your internet browser and enter <a href="http://192.168.2.1">http://192.168.2.1</a> in the address box. In the pop up window, enter the following username and password:

Username:	admin
Password:	1234

Click "Log In".



11. This will open the access point's web management interface, which allows you to configure the functions and settings of the access point. Please refer to the user manual for more information about configuration; the following is an example of how to set the access point to "Station Infrastructure" mode.

000	Access Point	
▲ ▶ 🖾 🧐 192.168.2.1	/index.asp	C Reader
ΣПІМАХ	English +	
NETWORKING PEOPLE TOGETHER		
	Statu	s and Information
Home		
Basic Settings	You can use the information to m and hardware version.	nonitor the Access Point's MAC address, runtime code
WPS Setting		
Advanced Settinge	System	
- Auvanced Settings	Uptime	0day:0h:1m:12s
Security	Hardware Version	Rev. A
MAC Filtering	Runtime Code Version	1.08b
Combany Hillibr	Wireless Configuration	n: Interes
<ul> <li>System Utility</li> </ul>	Mode	AP
Configuration Tool	ESSID	Edimax AP
Upgrade	Channel Number	11
	Security	Disable
Reset	BSSID	80:1f:02:0a:75:d2
	Associated Clients	0
	LAN Configuration	
	IP Address	192.168.2.1
	Subnet Mask	255.255.255.0
	Default Gateway	0.0.0.0
	MAC Address	80:1f:02:0a:75:d2

## **Setup Station Infrastructure Mode**

- 1. On the "Status and Information" page, click "Basic Setting" in the left menu.
- 2. Click the arrow to open the menu labeled "Mode". Select "Station-Infrastructure" mode.

Wire	eless Settings			
page allows you to define	ne ESSID, and Channel for the wireless wireless stations to connect to the Acce			
Mada	Station Infrastructure			
Iviode	Station-initiastructure			
Band	2.4 GHz (B+G+N) -			
MAIN ESSID	GigabitR			
Site Survey	Select Site Survey			
Site Survey	Select Site Survey			

Click on "Select Site Survey" button to get a new window.

	ess one ourv	ey					
This page	e provides tool to so	can the wireless network. I	f any Access F	Point or IBSS	is found,	you could choos	e to
Confiect	in manaariy when on	chi mode is chabled.					
Select	SSID	BSSID	Band	Channel	Туре	Encryption	Sigr
$\odot$	HomeNetwork	00:1f:1f:ed:e3:8a	(B+G+N)	6	AP	WPA2-PSK	80
0	EdimaxCorp	80:1f:02:21:0f:dc	(B+G+N)	11	AP	WPA2-PSK	56
	EdimaxDSL2	00:1f:1f:de:39:aa	(B+G+N)	6	AP	WPA2-PSK	52

You will see a list of available Wi-Fi networks, as shown above.



**Note**: Make a note of the "Encryption" listed for your Wi-Fi network, as you will need it later. In this example, "Encryption" is "WPA2-PSK'.

Choose your Wi-Fi network and click on "Done". If your Wi-Fi network is not shown, "Refresh" the list of available networks, then "select" your Wi-Fi network.

Wirel	ess Site Surv	ey					
This page	ge provides tool to so	can the wireless network. I	f any Access F	oint or IBSS	is found,	you could choos	e to
connect	It manually when ch	ent mode is enabled.					
Select	SSID	BSSID	Band	Channel	Туре	Encryption	Sign
$\odot$	HomeNetwork	00:1f:1f:ed:e3:8a	(B+G+N)	6	AP	WPA2-PSK	80
0	EdimaxCorp	80:1f:02:21:0f:dc	(B+G+N)	11	AP	WPA2-PSK	56
0	EdimaxDSL2	00:1f:1f:de:39:aa	(B+G+N)	6	AP	WPA2-PSK	52
	kpk1503	00:21:91:0d:99:5b	(B+G+N)	7	AP	WPA2-PSK	48

- 3. Please note that the Main ESSID would be the name of your main WiFi network. Click on Apply.
- 4. You will see a screen which displays "Save settings successfully!" Please click on "Continue" button instead of "Apply" button.





**Note**: Please do not choose "Apply" at this point. It is necessary to continue and configure the security settings of the access point before it can function.

5. Select "Security" from the left sidebar in the Edimax web management interface. This will take you to the screen shown below. Under the heading "Security Settings", open the menu labeled "Encryption".

Select the appropriate type of encryption, based on the security settings in your existing Wi-Fi network. In this example, we select "WPA pre-shared key". In the field marked "WPA Unicast Cipher Suite, select WPA2(AES".

Home	Select SSID	
Basic Setting	SSID choice	GigabitR ▼
Wps Setting	<ul> <li>Security Settings</li> </ul>	
Advanced Setting	Encryption	WPA pre-shared key 🔻
Security	WPA Unicast Cipher Suite	© WPA(TKIP)
Radius Server	Pre-shared Key Format	Passphrase -
MAC Filtering	Pre-shared Key	
System Utility	C	Apply Cancel



**Note**: You need to select the same encryption as your existing Wi-Fi network, otherwise this AP Client device cannot connect to your existing Wi-Fi.

6. In the field marked "Pre-Shared Key Format", choose "Passphrase". In the field marked "Pre-Shared Key", enter your existing wireless network password. For other encryption types, please refer to the user manual for detailed instructions.



**Note**: The access point must use the **same** wireless encryption password as with the root wireless network, i.e. your existing Wi-Fi network.

When this is done, click "Apply".

7. You will then see the following screen. Please click "Apply" to restart the system and bring the changes into effect.

000	,	Access Point			
IP2.168.2.1/in	dex.asp			C Reader	
e Er	nglish 🗧				
EDIMAX					
NETWORKING PEOPLE TOGETHER					
Home	Save settings successfully!				
Basic Settings	You may amon CC		n to continuo configuring	other pottings or propp	
WPS Setting	APPLY button to restart the system to make the changes take effect.				
Advanced Settings	CONTINUE	ADDLV	_		
Autonood Gettinge	CONTINUE	AFFLI			
Security					
MAC Filtering					
System Utility					
Configuration Tool					
. Upgrada					
opgrade					

8. The system will restart. Please wait for it to complete.



 Return to your Macintosh's "Network" screen, found under "System Preferences". Click "Ethernet" in the left panel. Change the settings of Configure IPv4 from Manually to Using DHCP. Click on Apply. The Ethernet adapter will get the IP address from the main wireless network.

L	ocation: Automatic	* *	
Ethernet	Status:	Connected	
FireWire		Ethernet is currently active and has the IP address 10.0.1.4.	
Wi-Fi 🤶	Configure IPv4:	Using DHCP	\$
Bluetooth PAN	IP Address:	10.0.1.4	
No IP Address	Subnet Mask:	255.255.255.0	
	Router:	10.0.1.1	
	DNS Server:	10.0.1.1	
	Search Domains:	edimax.com	
+ – <u>ö</u> ▼		A	dvanced [

- 10. Go back to your web browser. Try some web sites and see if you can get on Internet.
- 11. If Internet works, you can disconnect the access point from your Macintosh by removing the connecting Ethernet cable. You can move the Edimax device to a different place and connect your Ethernet devices like Blu-Ray player with Edimax device. Your Ethernet devices will get on Internet.

Remember to re-enable the WiFi of your Macintosh. Go to Network preferences. Select "Wi-Fi" in the left sidebar and click the "Turn Wi-Fi On" button in the right panel.



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