

Edimax EW-7416APn Wireless Access Point

Setup Universal Repeater



Step 1: Connect EW-7416APn to the computer

1. Connect EW-7416APn directly to a computer with a LAN cable.



- 2. Click on Control Panel, Network Connection, Right-click on Local Area Connection, go to it's Properties.
- 3. Select Internet Protocol (TCP/IP), click on Properties.
- 4. Select Use the Following IP Address, enter 192.168.2.2 and Subnet Mask is 255.255.255.0.
- 5. Click OK to save the setting.

Internet Protocol Version 4 (TCP/IPv4) Properties					
General	General				
You can get IP settings assigned autom this capability. Otherwise, you need to for the appropriate IP settings.	natically if your network supports ask your network administrator				
Obtain an IP address automaticall	у				
Ouse the following IP address:					
IP address:	192.168.2.2				
Subnet mask:	255 . 255 . 255 . 0				
Default gateway:					
Obtain DNS server address automatically					
Use the following DNS server addresses:					
Preferred DNS server:					
Alternate DNS server:	· · ·				
	Advanced				
OK Cancel					



Step 2: Change the IP Address of EW-7416APn (according to your router's IP range)

- 1. Login to EW-7416APn. Open Internet Explorer, at the address bar, type 192.168.2.1 and press Enter.
- 2. Login username is admin and password is 1234.
- 3. Click on System Utility, change Management IP to your router's IP range.
 - IP Address (eg: 192.168.2.50)
 - Subnet Mask (eg: 255.255.255.0)

We were verteen ver	Access Point - Microsoft Internet Exp	lorer		
dess Items Search Imagement IP Resct IP Address IP Address IP 21582.1 DICP Server Disabled Math	🗿 Back 🔹 🕥 🗸 😰 🗟 🔥 🔅	Search 🔶 Favorites 🙆 🧔 🚴	ন - 👪	
Configuration Tool Upgrade Post Post	idvess Abitry//192.168.2 E0/index arr			Links » Norton Internet Security
Home System Utility Baic Setting Enter that P-Address of the Access Point. In you want to doe Dr.CP-same termore, you should enter a unique IP for the Access Point. Advanced Setting Enter that P-Address of the Access Point. Security Password Settings MAC Filtering Current Password : System Utility Configuration Tool Upgrade Management IP Reet IP Address : IP Address : 192168250 Subnet Mask : 25525550 Gateway Address : 19216821 DHCP Server Disabled M	77 • 0- Sea	rch 🔹 🧮 🛛 🖉 Highlight 🛛 🖂 YI Mail 👻 🎗	🎽 🌌 🚥	
Home System Utility Back Setting Enter the P. Address Front. Hy our water to best of the Access Point. Advanced Setting Password Settings Security Password Settings MAC Filtering Current Password : System Utility Re-Enter Password : Upgrade IP Address : IP Address : I 192 168 2 50 Submet Mask : E55 255 255 0 Gateway Address : I 192 168 2 1 DHCP Server Diebled with				
	• Home		System Utility	
Advanced Setting Password Settings MAC Filtering Current Password : System Utility Configuration Tool Upgrade Management IP Reset IP Address : 192168250 Subnet Mask : 2552550 Gateway Address : 19216821 DHCP Server : DHCP Server	Basic Setting	Enter the IP Address of the A should enter a unique IP for th	ccess Form, in you want to use DricF server serve	ce, vou
Security Password Settings MAC Filtering Current Password : System Utility New Password : Configuration Tool Re-Enter Password : Upgrade Management PP Reset IP Address : IP Address : 192168250 Subnet Mask : 255255250 Gateway Address : 19216821 DHCP Server DHCP Server	Advanced Setting			J
MAC Filtering Current Password : System Utility New Password : Configuration Tool Re-Enter Password : Upgrode Management IP Reset IP Address : 1921682.50 Subnet Mask : 255.255.255.0 Gateway Address : 1921682.1 DHCP Server : Disabled V	Security	Password Settings		
System Utility New Password : Image: Configuration Tool Configuration Tool Re-Enter Password : Image: Configuration Tool Upgrade Hanagement IP Reset IP Address : 192168250 Submet Mask : 255.255.05 Gateway Address : 1921682.1 DHCP Server : Disabled ♥	MAC Filtering	Current Password :		
Configuration Tool Re-Enter Password :	System Utility	New Password :		
Upgrade Management IP Reset IP Address : 192168250 Subnet Mask : 255255250 Gateway Address : 19216821 DHCP Server : Disabled ¥	Configuration Tool	Re-Enter Password :		
Reset IP Address : 1921682.50 Subnet Mask : 255 255 255.0 Gateway Address : 192168.2.1 DHCP Server Disabled ♥	Upgrade	Management IP		
Subnet Mask : 255 255 255 0 Gateway Address : 192 168 2.1 DHCP Server Disabled	Reset	IP Address :	192.168.2.50	
Gateway Address : 192168.2.1 DHCP Server : Disabled M DHCP Server		Subnet Mask :	255.255.255.0	
DHCP Server : Disabled V DHCP Server		Gateway Address :	192.168.2.1	
DHCP Server		DHCP Server :	Disabled 💌	
		DHCP Server		

- 4. Click Apply to save the setting. Wait for 10-15 seconds, you will see the LED light on EW-7416APn goes off and comes back on.
- 5. The EW-7416APn setup page on 192.168.2.1 will be disconnected, because EW-7416APn has new IP Address (192.168.2.50).
- 6. Close the Internet Explorer.



Step 3: Configure Universal Repeater

- 1. Click on Control Panel, Network Connection, Right-click on Local Area Connection, go to it's Properties.
- 2. Select Internet Protocol (TCP/IP), click on Properties.
- 3. Select Obtain an IP Address Automatically and click OK to save the setting.

Internet Protocol Version 4 (TCP/IPv4)) Properties					
General Alternate Configuration						
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.						
Obtain an IP address automatica	ally					
Ouse the following IP address:	,					
IP address:						
Subnet mask:						
Default gateway:						
Obtain DNS server address auto	matically					
OUse the following DNS server ad	dresses:					
Preferred DNS server:						
Alternate DNS server:						
	Advanced					
OK Cancel						

- 4. Now, connect the computer to the router. (Wired or Wirelessly)
- 5. Connect EW-7416APn with a LAN cable to the router.





- 6. Login to EW-7416APn. Open Internet Explorer, at the address bar, type the new IP address (192.168.2.50) and press Enter.
- 7. Login username and password is admin/1234.
- Click on Basic Setting, select Universal Repeater. ESSID is the SSID of the repeater and Root AP SSID is the SSID of the parent access point (wireless router). The Channel number must be the same channel number of the wireless router. So, click on Site Survey, select your router in the list and click "Connection".

Access Point - Microsoft Internet Explorer			- 7 ×
File Edit View Favorites Tools Help			A*
🌀 Back 🔹 🐑 👻 📓 🏠 🔎 Sea	rch 🤺 Favorites 🥝 🔗 🍓	g · 📙 🏭	
Address 😹 http://192.168.2.50/index.asp		Go Links » No	rton Internet Security 🛞 🕶
Y! - 2- Search -	🕽 🚍 🛛 🎂 🖌 🖉 Highlight 🕴 🖂 Y! Mail 📼 🖇	ኛ Personals 👻 🏑 Y! Mobile 👻 Sign in	
• Home		Wireless Setting	
Basic Setting	This page allows you to defin parameters are used for the y	e ESSID, and Channel for the wireless connection. These wireless stations to connect to the Access Point	
Advanced Setting			
Security	Mode :	Universal Repeater	
MAC Filtering	Band :	2.4 GHz (G) 💌	
System Utility	ESSID :	Repeater1	
Configuration Tool	Channel Number :	6 🗸	
	Associated Clients :	Show Active Clients	
Upgrade	WLAN MAC :	00000000000 Clone MAC	
Reset	Root AP SSID :	MainAccessPoint	
		Apply Cancel	
E Done			🔮 Internet
🛃 start 🖉 🧭 🕼 👋 🛅 2 Window	s E 👻 🕼 Inbox - Outloo 🖉 4 Ir	ternet Ex 👻 🛛 Microsoft W 🔹 📾 C:\WINDOWS\ EM	l 🔇 🛒 🔀 🎒 🖏 11:52

9. Click Apply to save the setting. Then, click Continue.



10. If you repeat the wireless connection from a wireless router with wireless security, you must use the same encryption you used in the router in EW-7416APn. Click on **ecurity**, Select the Encryption you used.

File Edit View Favorites Tools	Help		A 7
🔇 Back 🔹 🐑 - 💌 😰 (🏠 🔎 Search 👷 Favorites 🕠	Ø @· 🎍 🖬 🖓	
Address 🕘 http://192.168.2.1			🖌 🛃 Go 🛛 Links 🎇
		Sacurity	A
Home		Security	
Basic Setting	This page allows you set by using Encryption Key	up the wireless security. Turn on WEP or s could prevent any unauthorized access	r WPA s to your
Advanced Setting	wireless network.		
Security	Encryption :	WEP	
MAC Eliteriné	Key Length :	64-bit 💌	
• MAC Filtering	Key Format :	Hex (10 characters)	
System Utility	Default Tx Key :	Key 1 💌	
Configuration Tool	Encryption Key 1 :	*=****	
A Unarada	Encryption Key 2 :	****	
- opgrade	Encryption Key 3 :	****	
Reset	Encryption Key 4 :	A A A A A A A A A A	

Please note that EW-7416APn only supports WEP, WPA(TKIP) or WPA2(AES).

- 11. Click Apply to save the setting. Then, Apply again.
- 12. Unplug the LAN cable of EW-7416APn from the router so that EW-7416APn is on completely wireless.



- 13. Do a ping test to EW-7416APn (eg: 192.168.2.50), if you got Reply from Pinging, the configuration is completed and the repeater is working.
- 14. To ping, click Start>All Programs>Accessories>Command Prompt. At the command prompt, type 'ping 192.168.2.50' and press Enter.

