EDIMAX
NETWORKING PEOPLE TOGETHER

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.

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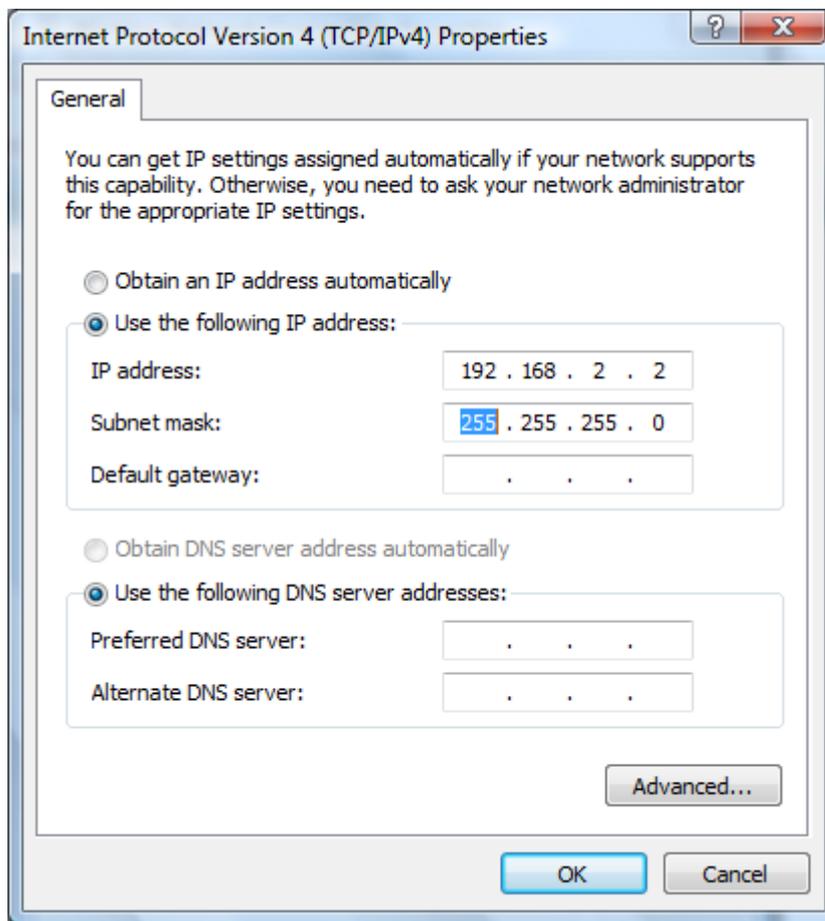
Step 2: Change the IP Address of EW-7416APn (according to your router's IP range)

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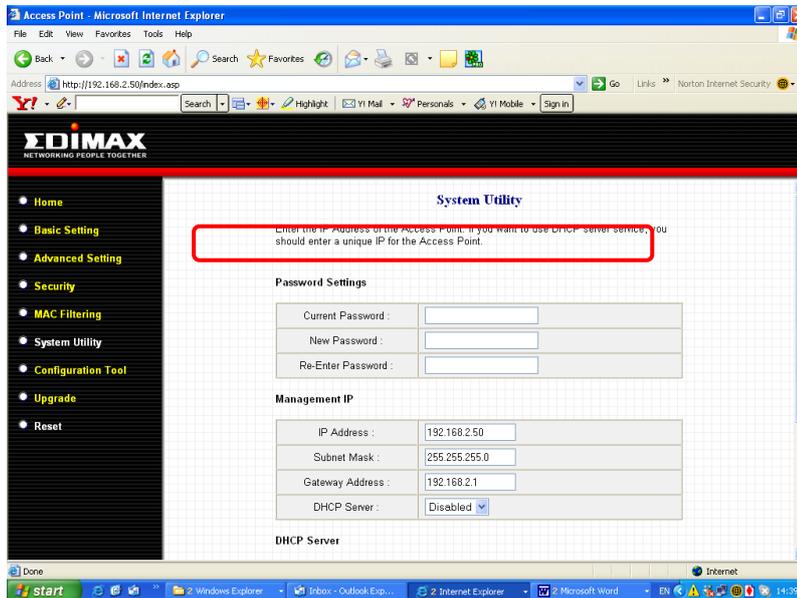
4. Click Apply to save the setting. Wait for 10-15 seconds, you will see the LED light on EW-7416APn goes off and comes back on.
5. The EW-7416APn setup page on 192.168.2.1 will be disconnected, because EW-7416APn has new IP Address (192.168.2.50).
6. Close the Internet Explorer.

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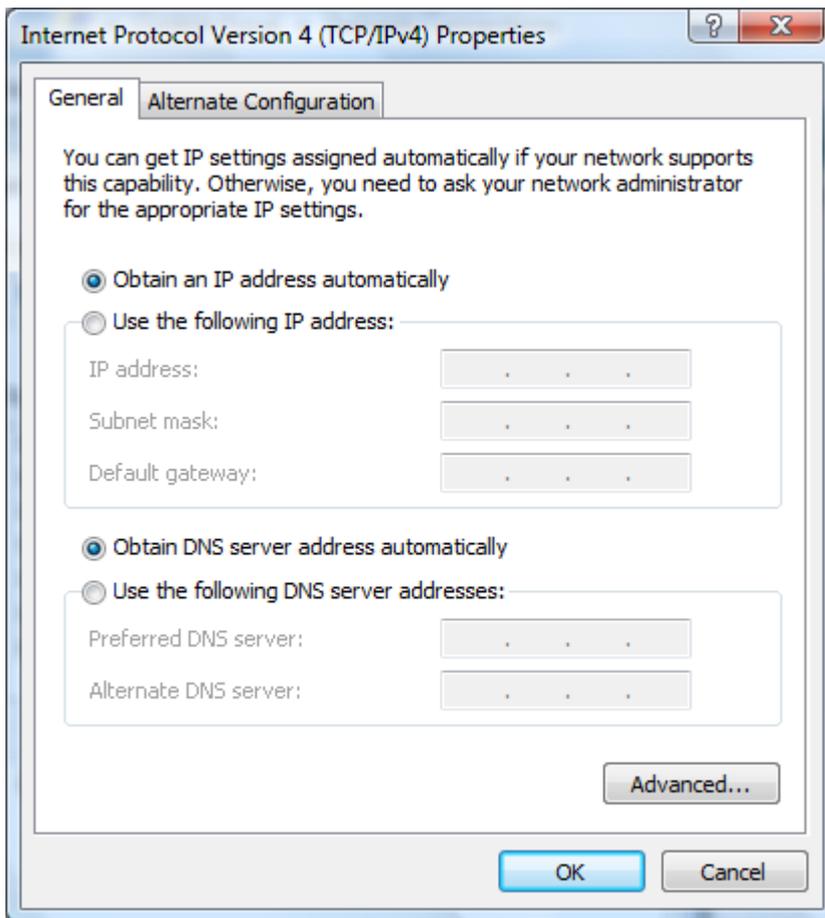
4. Now, connect the computer to the router. (Wired or Wirelessly)
5. Connect EW-7416APn with a LAN cable to the router.

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.

8. 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".
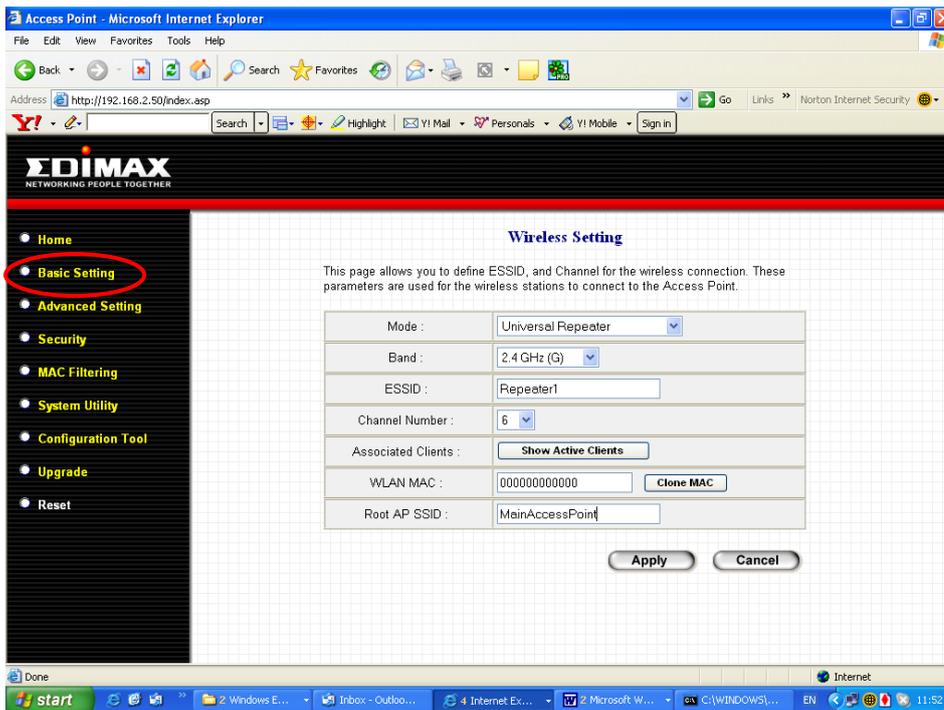
9. Click Apply to save the setting. Then, click Continue.

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.

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.

LAN cable or wirelessly   Unplug the LAN cable

Gateway: 192.168.2.1   EW-7416APn: 192.168.2.50

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.


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C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.0.6000]
Copyright (c) 2006 Microsoft Corporation.  All rights reserved.

C:\Users\Jessica>ping 192.168.2.50_
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