EDIMAX
NETWORKING PEOPLE TOGETHER

EW-7416APn v2 & EW-7415PDn

Mac Quick Installation Guide

09-2012 / v2.0

Getting Started

Before you start using this access point, please check if there's anything missing in the package, and contact your dealer of purchase to claim any missing items.

- Wireless access point x 1
- CD (EZmax Setup Wizard, Multi-language Quick Installation Guide and User Manual) x 1
- Power adapter x 1
- 3dBi antenna x 2
- Accessory kit x 1
- Quick installation guide x 1

Top Panel

LED Status

Item	Color	Status	Description
PWR (Power)	Green	On	Device is powered.
		Flashing	Device is booting up/resetting.
		Off	Device is not powered.
WLAN (Wireless LAN)	Orange	On	WPS mode is enabled.
		Flashing	Data is being transmitted wirelessly.
		Off	Data is not being transmitted wirelessly.
LAN	Green	On	Ethernet port is connected to a valid device.

		Flashing	Data is being transmitted through the Ethernet cable.
		Off	No valid connection.

Rear Panel

(a) Antenna
(1 of 2)

(a) Antenna
(2 of 2)

5VDC

LAN

WPS/Reset

(b) WPS/Reset
Button

(c) LAN Port

(d) Power Port
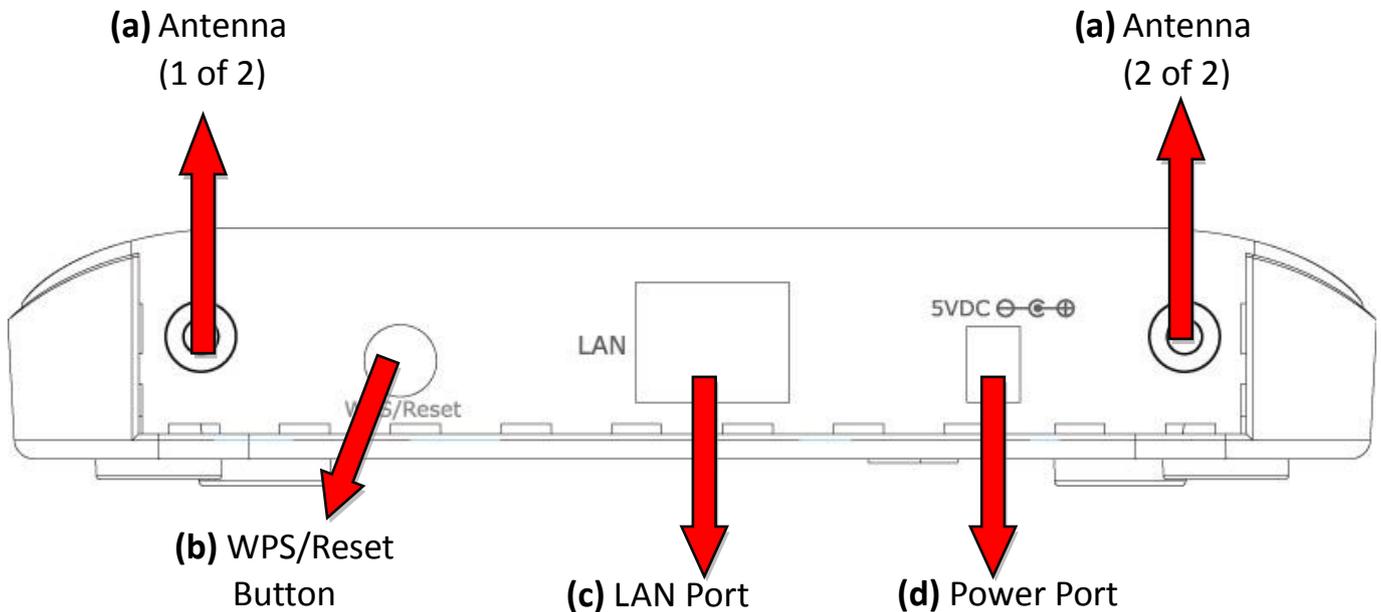
a. **Antenna Connector**
   This is where you connect the antennas. It is a round connector (standard reverse SMA).

b. **WPS/Reset Button**
   Press this button for less than 5 seconds to activate the WPS function. Press and hold this button for 10 seconds, until the PWR LED starts flashing, to reset the access point to factory default settings.

c. **LAN Port**
   Connects this access point to other Ethernet devices (switches, routers or other wired network devices) – for the EW-7415PDn this is where you connect the access point to a PoE switch.

d. **5V DC**
   This is where you connect the power adapter.

> **Note**: If you are using the EW-7415PDn with a PoE switch, you **do not** need to connect the power adapter.

Quick Setup

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.
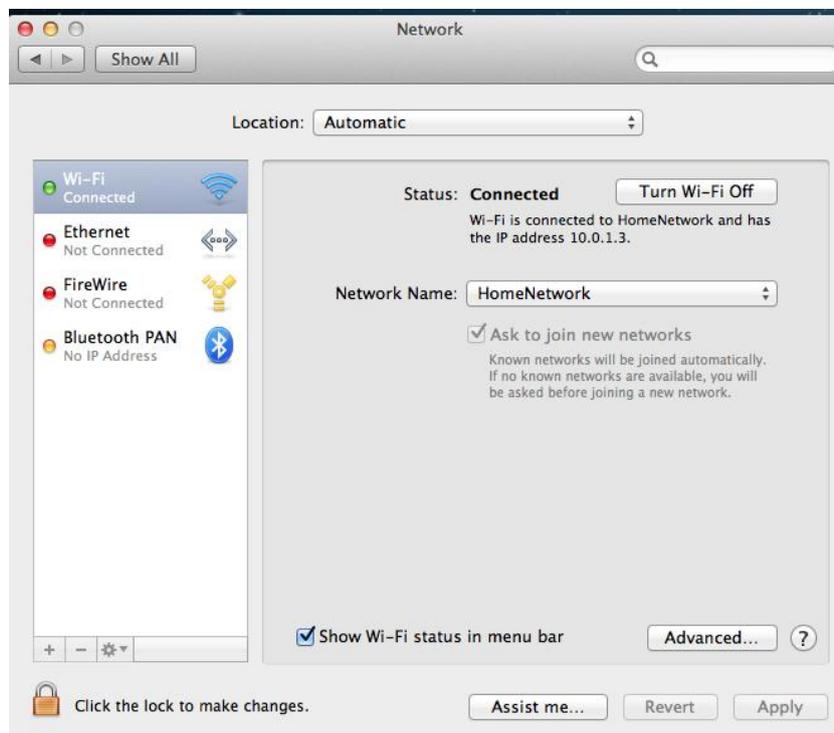
4. If your Wi-Fi is switched on, click on the button labeled "Turn Wi-Fi Off". The "Network" screen should now look like the screen below, where under the heading "Wi-Fi" in the left sidebar, the status is shown as "Off".
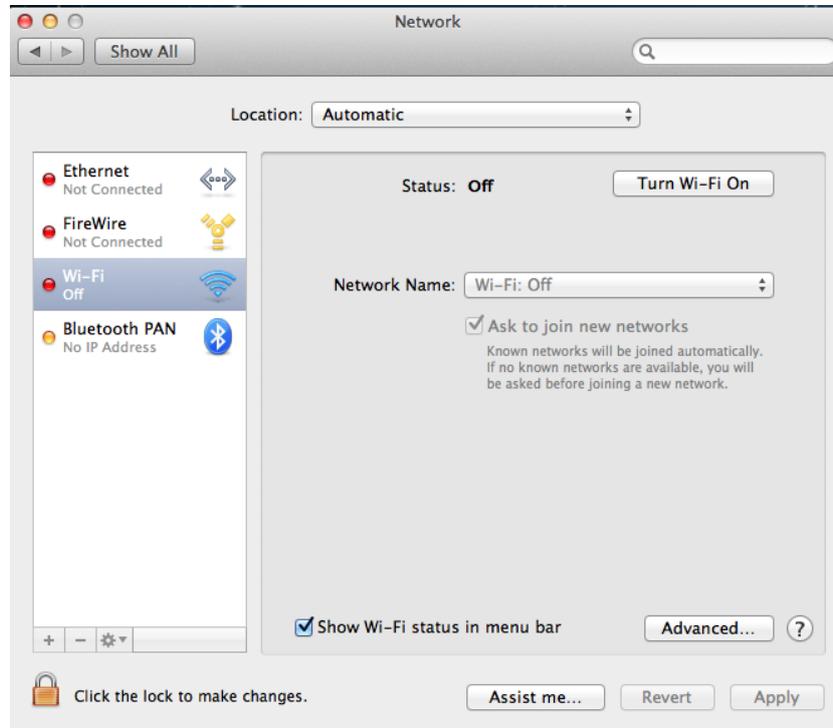
5. Connect one end of an Ethernet cable to the Ethernet port on your computer. Then connect the other end to an Ethernet port on the access point, as shown below. Plug the power adapter into the device's 5V power port, and plug the adapter into a wall socket.
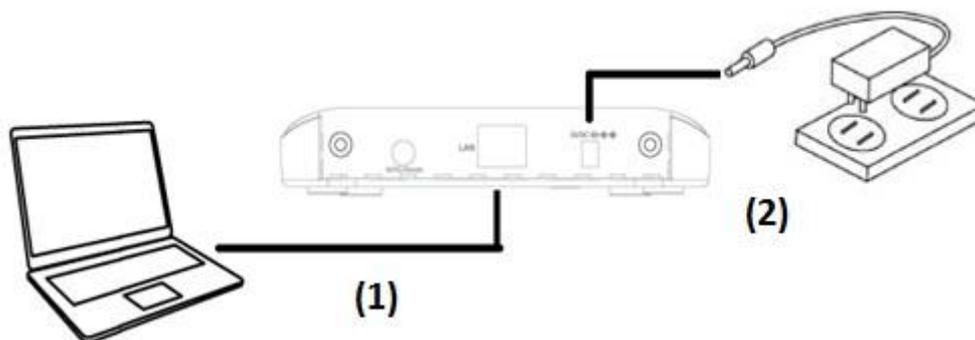
The PWR LED and corresponding LAN LED on the access point should now light up.

6. Network Preferences will now display an Ethernet adapter, as shown below. The status of "Ethernet" should be "Connected".
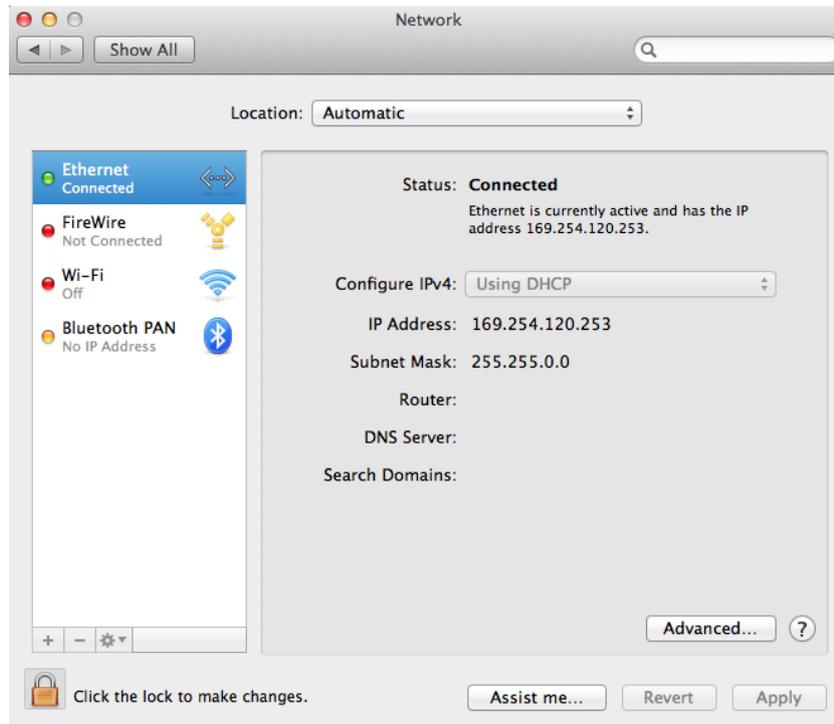
7. Click on "Ethernet" in the left panel and then click the drop down arrow for the menu labeled "Configure IPv4" in the right panel. From the drop down menu, select "Manually".
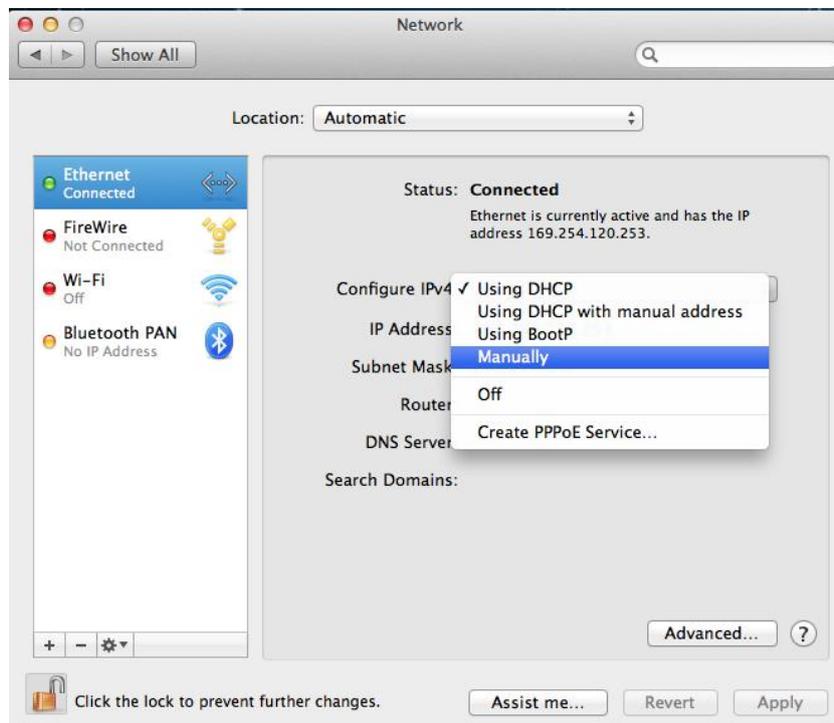
Note: The access point uses the default IP address 192.168.2.1, which may not be in the same IP address subnet of your network. Accordingly, you need to modify the IP address of your Macintosh to 192.168.2.10, as shown in the next step.

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".
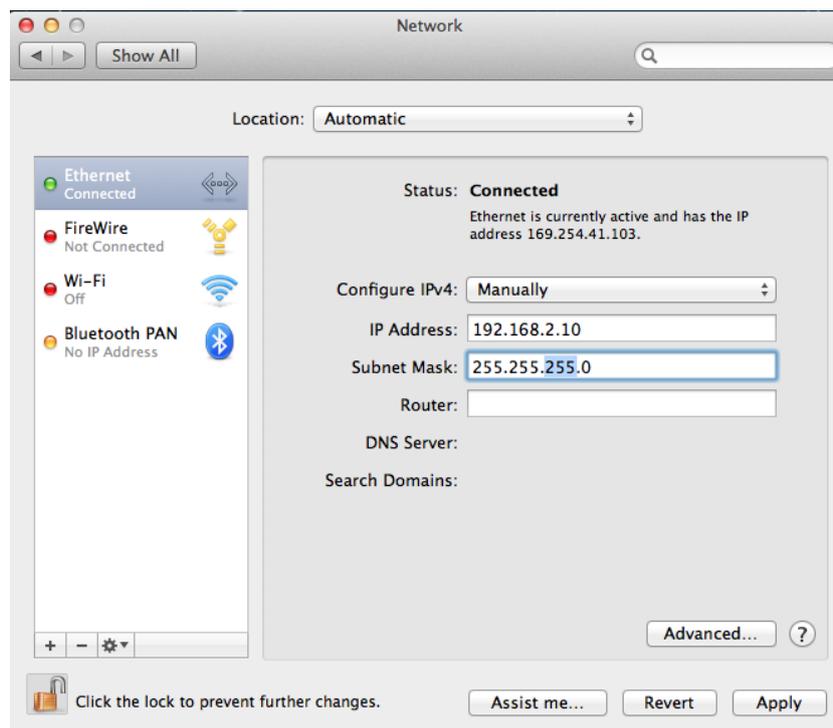
9. In the left sidebar, "Ethernet" should now display "Connected" as shown below. In the right panel, you should see the IP address 192.168.2.10 and subnet mask 255.255.255.0.
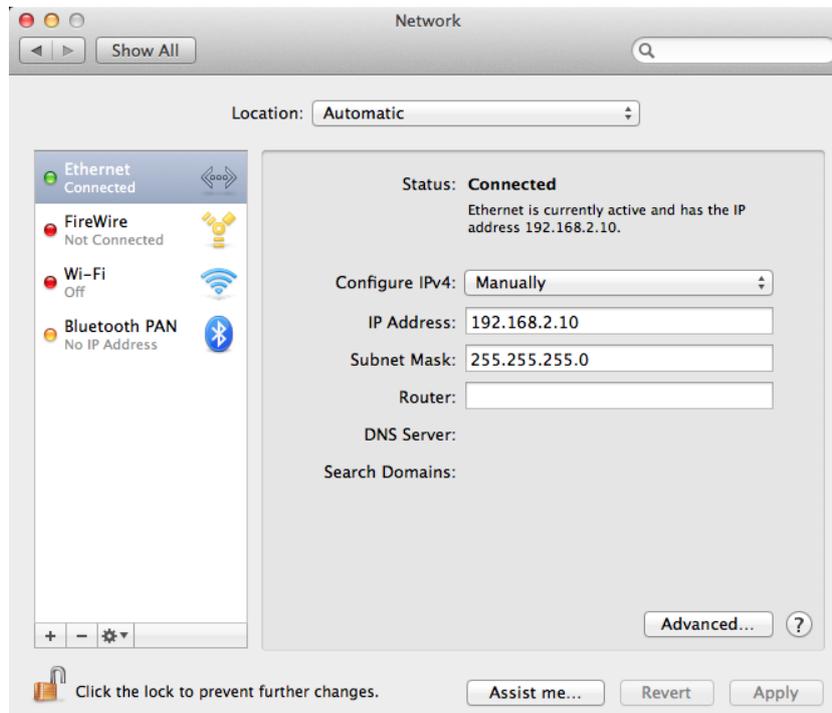
10. Open your internet browser and enter http://192.168.2.1 in the address box. In the pop up window, enter the following username and password:

Username: admin
Password: 1234

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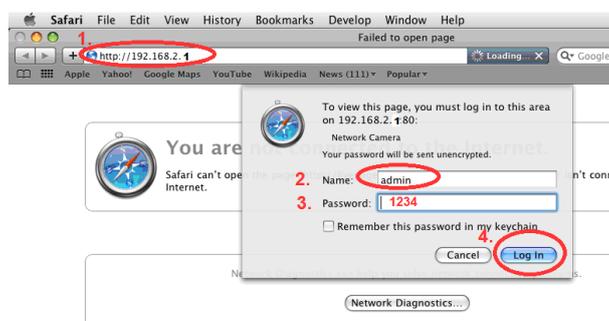
11. This will open the access point's web management interface, which allows you to configure the functions and settings of the access point. Please refer to the user manual for more information about configuration; the following is an example of how to set the access point to "Universal Repeater" mode.

Universal Repeater Mode

1. On the "Status and Information" page, click "Basic Setting" in the left menu. Then click the arrow to open the menu labeled "Mode". Select "Universal Repeater" mode.

Click the "Select Site Survey" button. You will see a list of available Wi-Fi networks, as shown below. 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.

Note: Make a note of the "Encryption" listed for your Wi-Fi network, as you will need it later in this procedure, during **Step 4**. In this example,

| | "Encryption" is "WPA1PSK WPA2PSK'. |

| ⚠ | **Note**: PSK means "Pre-Shared Key". |

Click "Done" to close this window.

2. The "Root AP SSID" is your main Wi-Fi router. The "MAIN ESSID" is the SSID of the repeater. Click the box labeled "MAIN ESSID" and enter a name for reference. In the example below we used the name "repeater". Different SSIDs ensure that you can easily differentiate between devices. Click on "Apply".

3. You will see a screen which displays "Save settings successfully!" Choose "Continue".

Save settings successfully!

You may press CONTINUE button to continue configuring other settings or press APPLY button to restart the system to make the changes take effect.
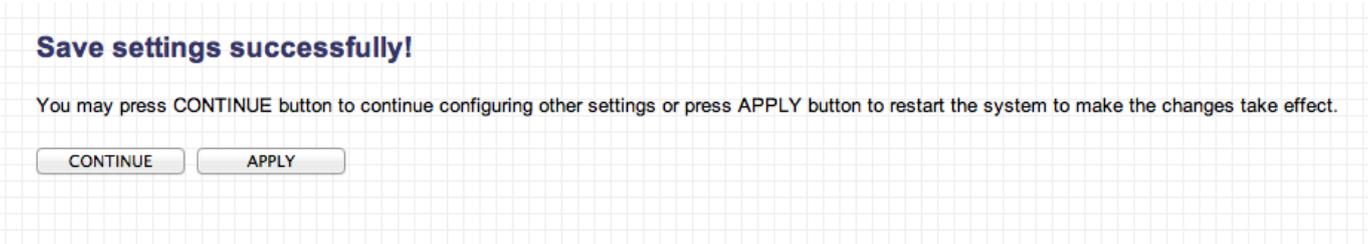
CONTINUE   APPLY

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.

4. 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, as displayed in **Step 1**. In this example, we select "WPA pre-shared key".

Home
Basic Settings
WPS Setting
Advanced Settings
Security
Radius Server
MAC Filtering
System Utility
Configuration Tool
Upgrade
Reset

Security

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

- **Select SSID**

  SSID choice   repeater ÷

- **Security Settings**

  Encryption   ✓ Disable
                    WEP
  Enable 802.1x Authentica   WPA pre-shared key
                    WPA RADIUS

  Apply   Cancel

Note: You need to select the same encryption as your existing Wi-Fi network, otherwise this repeater mode cannot connect to it.

5. Then you need to enter your **existing** network security settings.
   For "WPA pre-shared key" encryption, as shown in the next screenshot, select "WPA2(AES)" in the field marked "WPA Unicast Cipher Suite". Underneath, open the menu labeled "Pre-shared Key Format" and choose "Passphrase". Finally enter your existing wireless network password into the field labeled "Pre-Shared Key". For other encryption types, please refer to the user manual for detailed instructions.

> **Note**: You need to enter your **existing** wireless network password. If you do not know your existing network password, please refer to **Appendix How To Find Your Network Security Key.**

When this is complete, click "Apply".

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

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

System Restarting! Please wait for a while !

OK(25)

8. Return to your Macintosh's "Network" screen, found under "System Preferences". Click "Ethernet" in the left panel and open the drop down menu labeled "Configure IPv4". Select "Using DHCP" and click on "Apply".
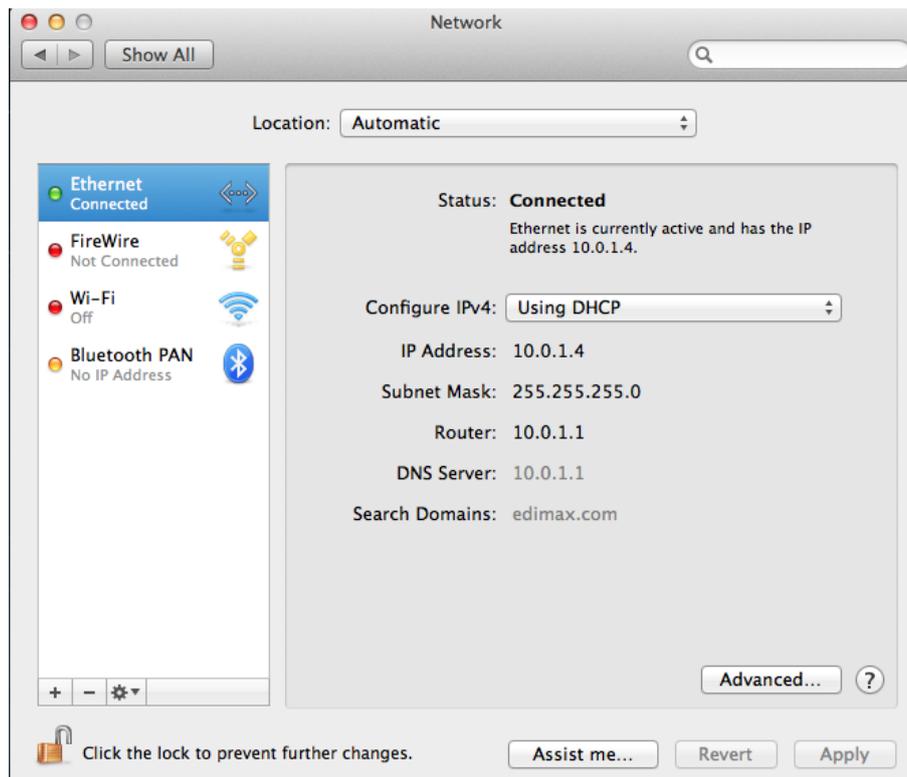
9. Disconnect the access point from your Macintosh by removing the connecting Ethernet cable. The "Ethernet" status in the left sidebar should change to "Not Connected".

   Select "Wi-Fi" in the left sidebar and click the "Turn Wi-Fi On" button in the right panel. Open the "Network Name" menu and choose your access point (Main ESSID) name from the list. In this case, the network was named "repeater".
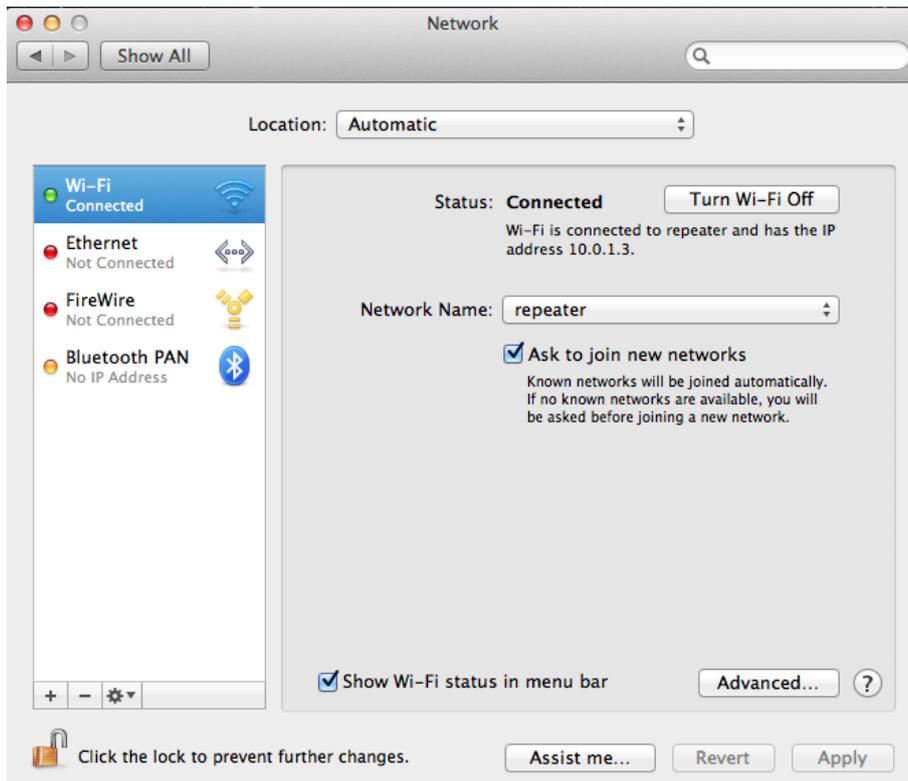
The access point should now be fully operational. The "Wi-Fi" status should display "Connected". Verify your connection by opening a web browser in an appropriate location.

Note: Please refer to the user manual for guidance on Access Point mode, AP Client mode, and Repeater mode installation.

Hardware Installation

Access Point Mode

Connect one port of the device to your router or xDSL modem. You can now connect to the device through a wired connection by connecting your computer to it with an Ethernet cable, or connect to the device wirelessly by searching and connecting to the device name you set up.

XDSL modem

LAN   WAN
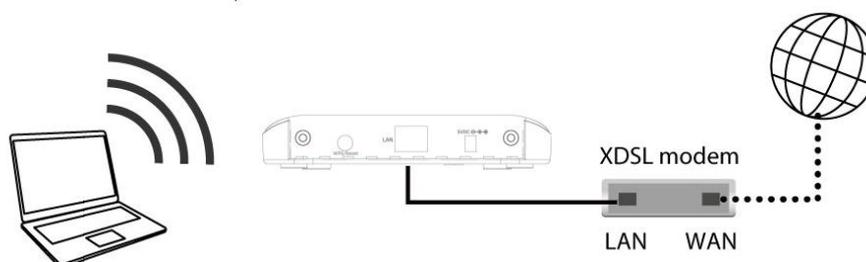
AP Client Mode

Connect one port of the device to the appliance you wish to connect to the Internet wirelessly, such as a computer, game console, or smart TV.
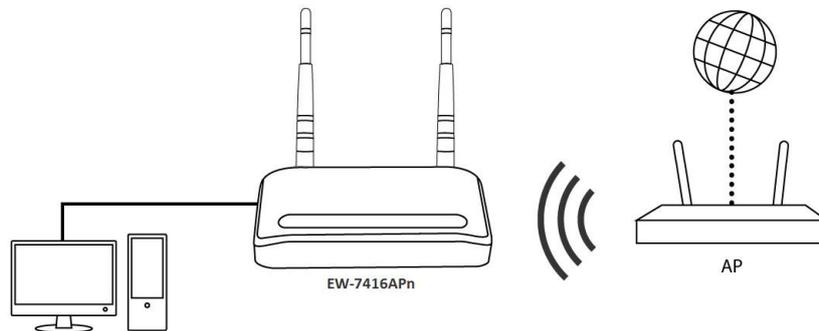
Repeater Mode

Position the device in a location for optimal wireless extension, such as the middle of your house. You can connect to the device wirelessly by searching and connecting to the device name you set up.
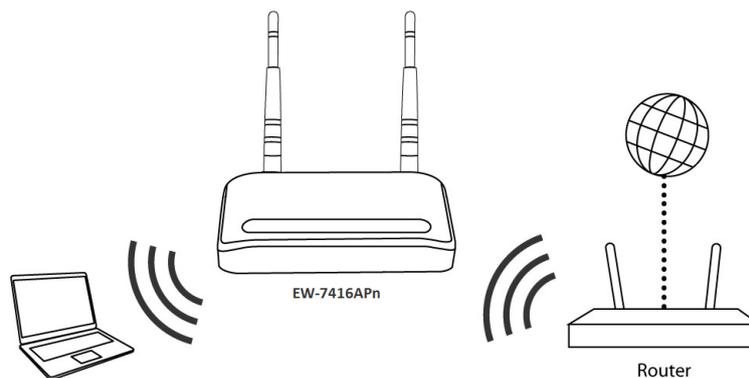
Appendix
How to Find Your Network Security Key

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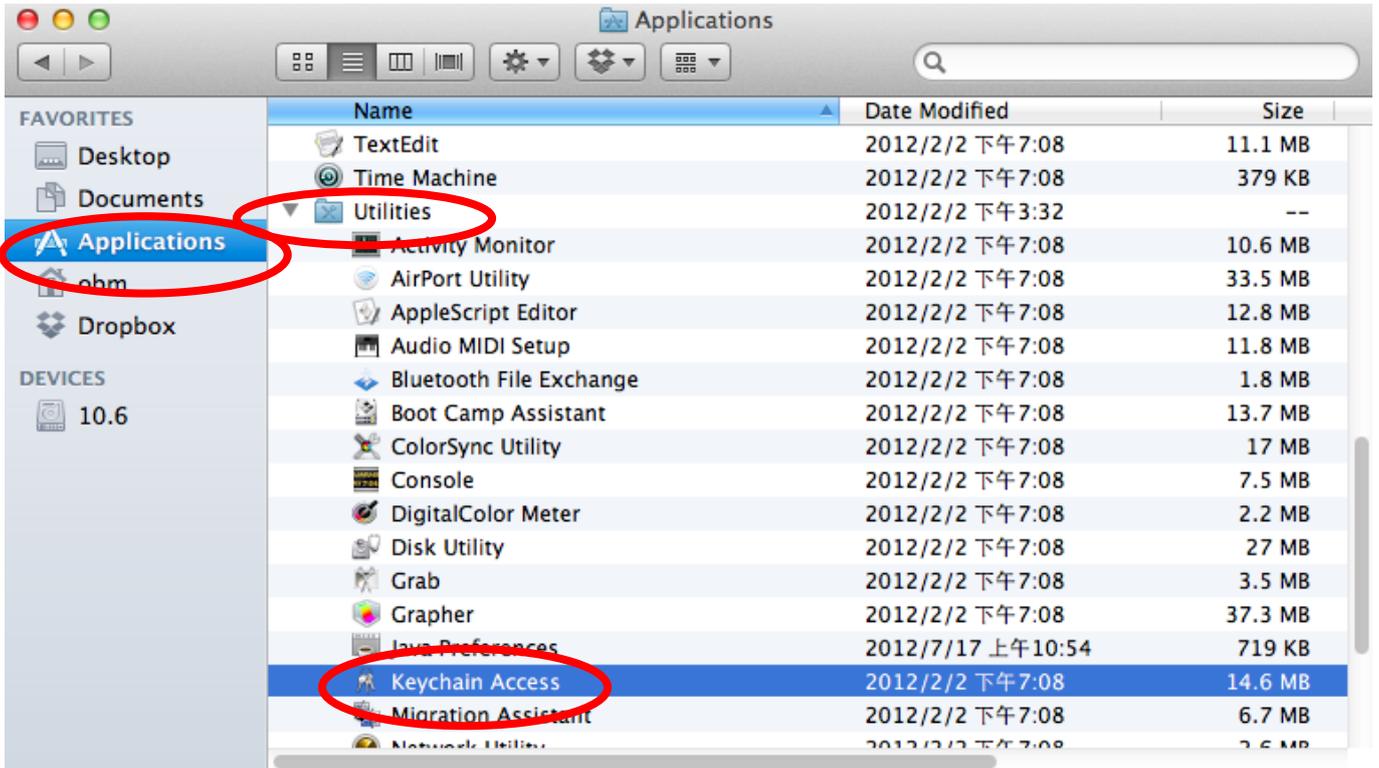
2. Select "Passwords" from the sub-menu labeled "Category" on the left side, as shown below. Then search the list in the main panel for the SSID of your network. In this example, the SSID is "EdimaxWireless" – though your SSID will be unique to your network.
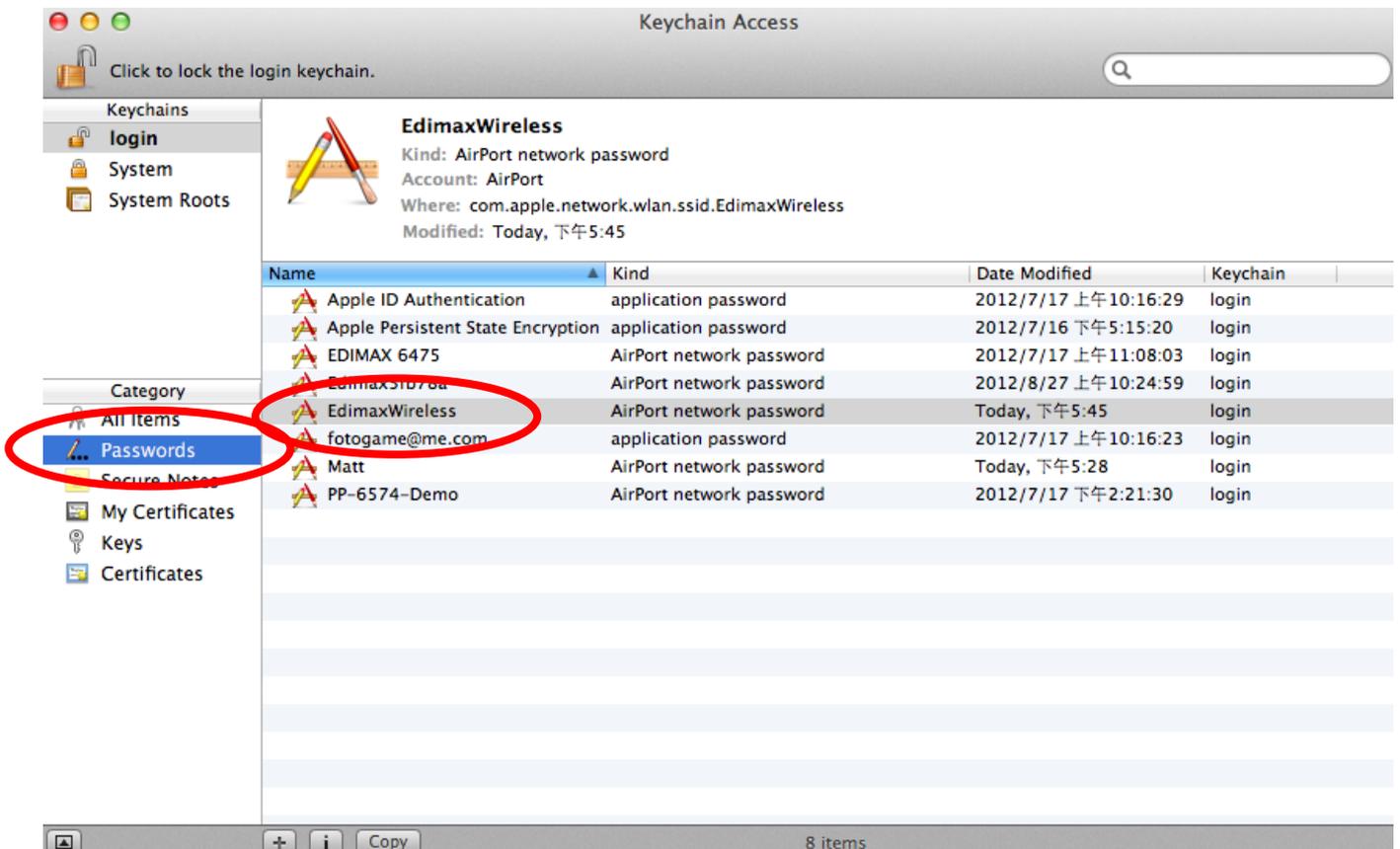
3. Double click the SSID of your network and you will see the following window.

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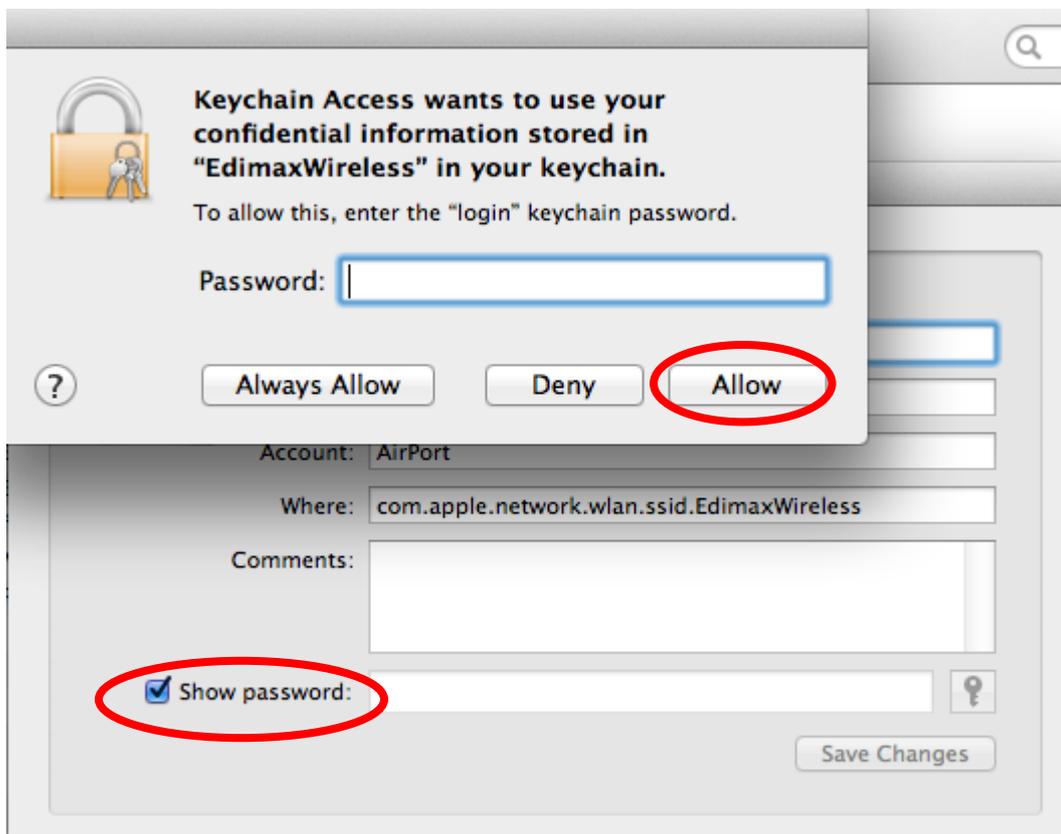
Your network security password will now be displayed in the field next to the box labeled "Show password". In the example below, the network security password is "edimax1234". Please make a note of your network security password.

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