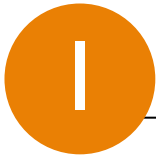


## Quick Installation Guide

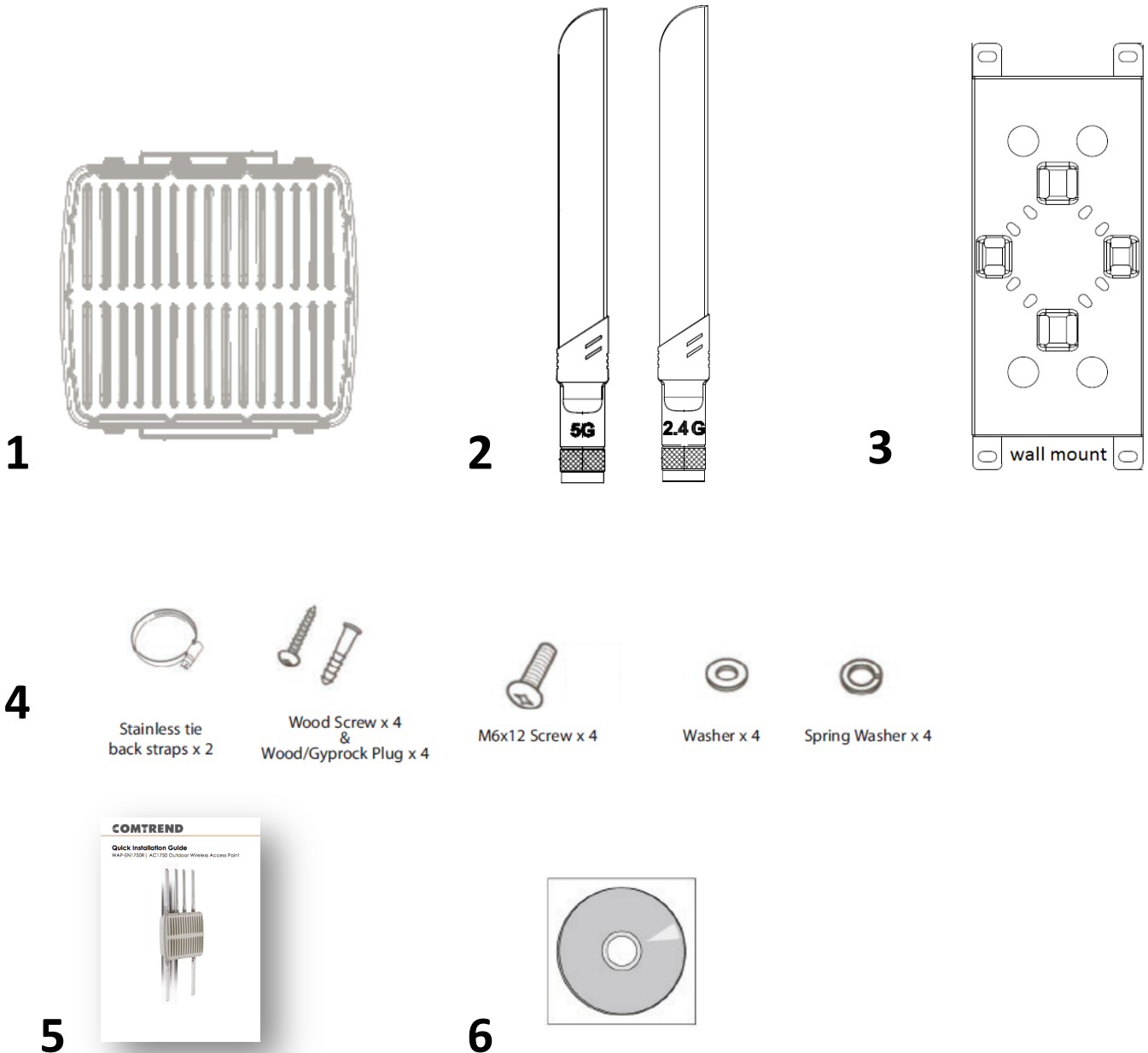
WAP-EN1750R | AC1750 Outdoor Wireless Access Point





# Product Information

## I-1. Package Contents



**1.** Access Point

**2.** Antennas x 6  
(2.4Gx3 & 5Gx3)

**3.** Wall Mount Bracket x 1

**4.** Wall/Pole Mount Screws Kits

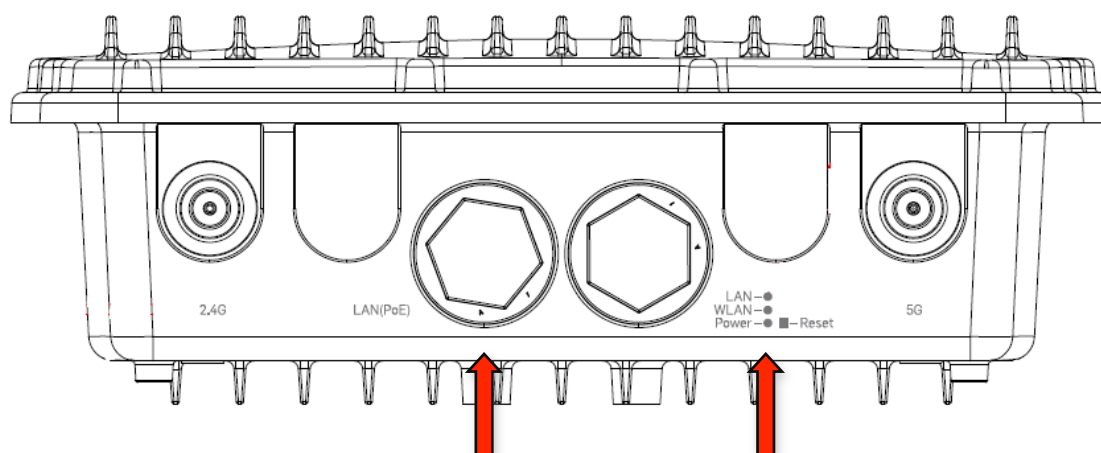
**5.** Quick Installation Guide

**6.** CD (User Manual & QIG)

## I-2. System Requirements

- Existing cable/DSL modem & router
- Computer with web browser for access point configuration

## I-3. Hardware Overview



**A. LAN (PoE)    B. 3 LED + 1 Reset**

**A.** LAN port with Power over Ethernet (PoE PD, IN)

**B.** 3 LEDs and Reset Interface


## I-4. LED Status

LED Behavior		
Power	Green	The access point is on.
	Off	The access point is off.
LAN LED	Green	The LAN port is connected.
	Blinking	Activity is occurring (transferring and receiving of data).
	Off	The LAN port is unconnected.
Wireless LED	Green	The Wireless is enabled.
	Blinking	Activity is occurring (transferring and receiving of data).
	Off	The Wireless is disabled.

## I-5. Reset

If you experience problems with your access point, you can reset the device back to its factory settings. This resets **all** settings back to default.

1. Press and hold the reset button on the access point for at least 10 seconds then release the button.

 ***You may need to use a wrench to open the weather proof cover to access the reset button.***

2. Wait for the access point to restart. The access point is ready for setup when the LED is **green**.

## I-6. Mounting the Access Point to a Wall or Pole

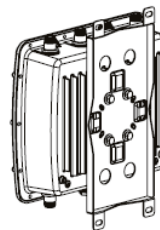
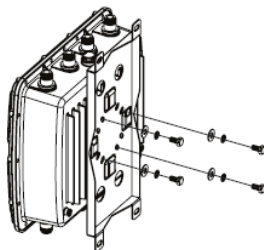
The access point includes wall / pole mounts which require some assembly.

1. Attach the wall mount bracket to the back of the access point using M6x12 screws and washers, as shown below.

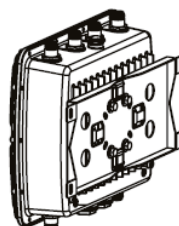
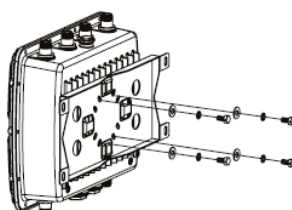
 ***Ensure your access point is securely attached to the wall mount bracket.***

### Wall Mount:

1.Vertical

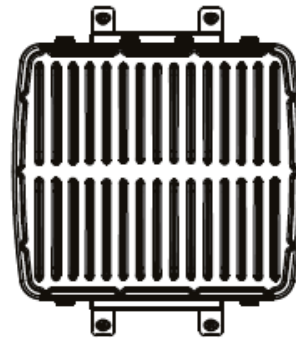


2.Horizontal



**2.** Fix the wall mount with the access point to the wall using wood/gyprock screws.

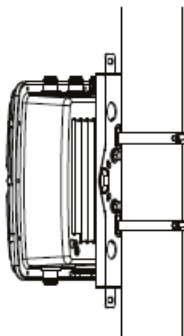
### Mounting For Wall



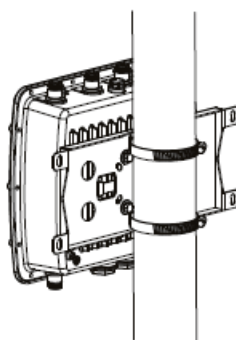
**3.** Fix the wall mount with the access point to the pole using stainless tie back straps.

### Mounting For Pole

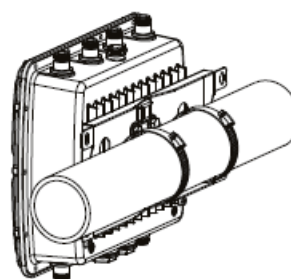
Type 1

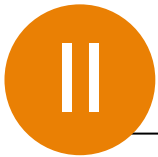


Type 2



Type 3



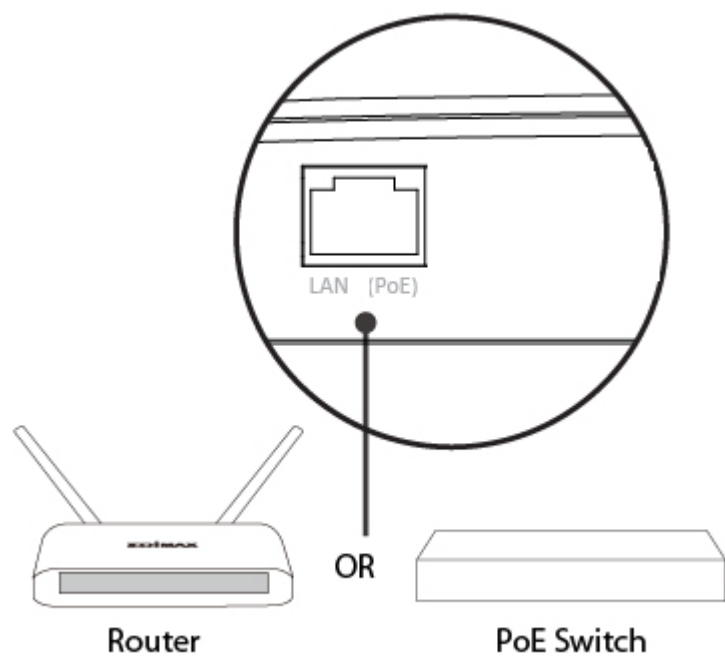


# Quick Setup

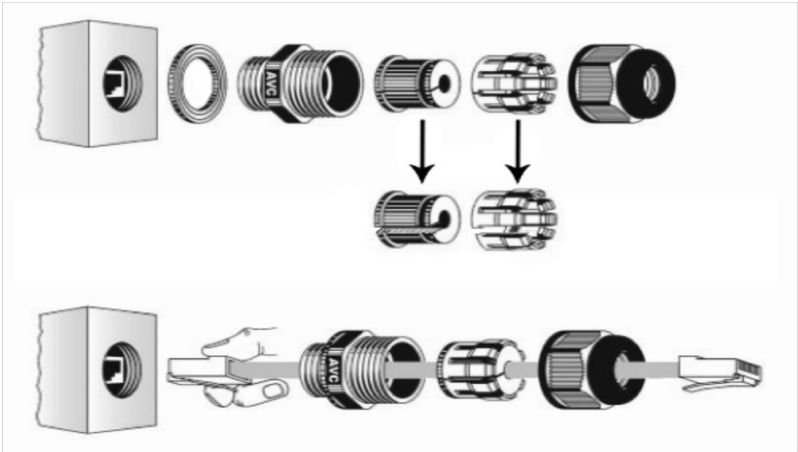
Your access point is preconfigured in a secured setup and ready for use right out of the box. The following instructions will help you install your access point and customize your settings.

## II-1. Connecting the Access Point to Your Network

Connect a router (with a PoE Injector) or PoE switch to the access point's **LAN** port using an Ethernet cable. A PoE Injector or PoE Switch **must** be connected to the access point's **LAN** port.

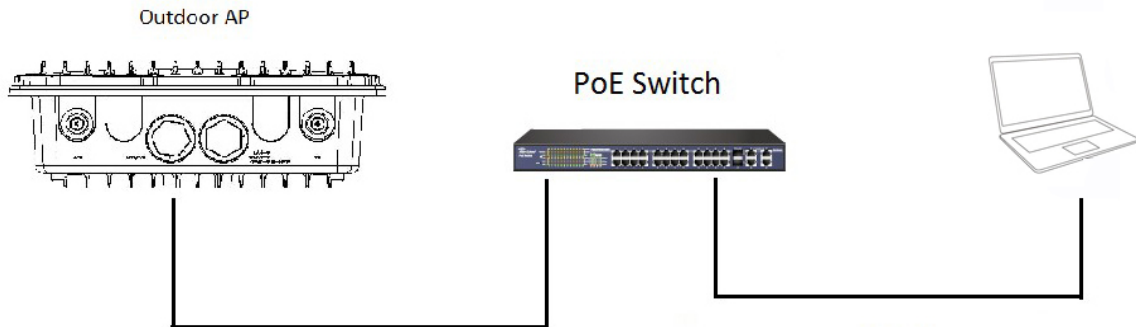


The diagram below illustrates how to thread your installation cable through the weatherproof cable fitting on the bottom of your access point.



## II-2. Initial Setup

1. Connect the access point to a PoE Switch via an Ethernet cable.
2. Connect a computer to the PoE Switch via an Ethernet Cable.



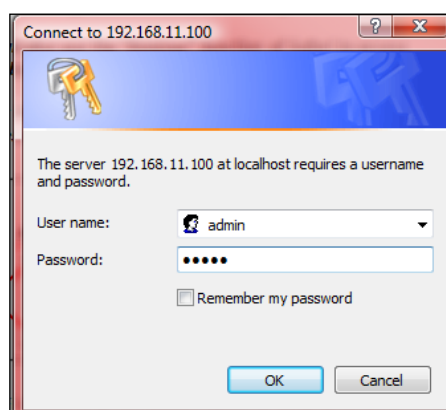
3. Wait a moment for the access point to start up. The access point is ready when the LED is **green**.
4. Set your computer's IP address to **192.168.2.x** where **x** is a number in the range **3 – 100**.



***DHCP is enabled on the access by default. If no DHCP Service is found, the access point will default to IP address 192.168.2.1.***

5. Enter the access point's default IP address **192.168.2.1** (or reference your DHCP Client Table if a DHCP Server is present on the network) into the URL bar of a web browser.

6. You will be prompted for a username and password. Enter the default username “admin” and the default password “admin”.



7. You will arrive at the “System Information” screen shown below.

System	
Model	WAP-EN1750R
Product Name	AP74DA385E4650
Uptime	2 days 00:14:30
System Time	2012/01/03 00:14:22
Boot from	Internal memory
Firmware Version	1.0.3
MAC Address	74:DA:38:5E:46:50
Management VLAN ID	1
IP Address	192.168.0.159 <button>Refresh</button>
Default Gateway	192.168.0.1
DNS	4.2.2.2 4.2.2.1
DHCP Server	192.168.0.1

Wired LAN Port Settings		
Wired LAN Port	Status	VLAN Mode/ID
LAN1	Connected (100 Mbps Full-Duplex)	Untagged Port / 1

8. Next, follow the instructions below in “**II-3. Basic Settings**” to configure the access point’s basic settings.



**For more advanced configurations, refer to “III. Browser Based Configuration Interface.”**



## II-3. Basic Settings

The instructions below will help you to configure the following basic settings of the access point:



***It is recommended you configure these settings before using the access point.***

- LAN IP Address
- 2.4 GHz and 5 GHz SSID & Security
- Login Password
- Time & Date

1. To change the access point's LAN IP address, go to “**Network Settings**” > “**LAN-side IP Address**” and you will see the screen below.

The screenshot shows the COMTREND WAP-EN1750R configuration interface. The top navigation bar includes 'Home', 'Logout', and 'Global (English)'. The main menu has tabs for 'Information', 'Network Settings', 'Wireless Settings', 'Management', 'Advanced', and 'Operation Mode'. The 'Network Settings' tab is active, and the left sidebar shows 'LAN-side IP Address' selected. The main content area is titled 'LAN-side IP Address' and contains the following settings:

LAN-side IP Address	
IP Address Assignment	DHCP Client ▼
IP Address	192.168.2.1
Subnet Mask	255.255.255.0
Default Gateway	From DHCP ▼
Primary DNS Address	From DHCP ▼ 0.0.0.0
Secondary DNS Address	From DHCP ▼ 0.0.0.0

An 'Apply' button is located at the bottom right of the settings area.

2. Enter the IP address settings you wish to use for your access point. Click “Apply” to save the changes the wait a few moments for the access point to reload.



***Remember to use the new IP address to access the configuration interface instead of the default address.***

3. To change the SSID and password of your access point's wireless network(s), go to **“Wireless Setting” > “2.4GHz” > “Basic”**. Enter the new SSID for your 2.4GHz wireless network in the “SSID1” field and click “Apply”.

The screenshot shows the COMTREND WAP-EN1750R web interface. The left sidebar lists 'Wireless Settings' with sub-items for 2.4GHz 11bgn (Basic, Advanced, Security, WDS, Guest Network) and 5GHz 11ac 11an (Basic, Advanced, Security, WDS, Guest Network). The main content area is titled 'Basic' and contains '2.4GHz Basic Settings'. The settings are as follows:

Setting	Value
Wireless	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Band	11b/g/n
Enable SSID number	1
SSID1	WAP-EN1750R-5E4650_G
VLAN ID	1
Auto Channel	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Auto Channel Range	Ch 1 - 11
Auto Channel Interval	One day
<input type="checkbox"/> Change channel even if clients are connected	
Channel Bandwidth	Auto
BSS BasicRateSet	1,2,5.5,11 Mbps

Buttons: Apply, Cancel

4. Go to **“Wireless Setting” > “2.4GHz” > “Security”**. Enter a new password for your 2.4GHz wireless network in the “Pre-shared Key” field and click “Apply”.

The screenshot shows the COMTREND WAP-EN1750R web interface. The left sidebar is the same as the previous screenshot, but the 'Security' option under '2.4GHz 11bgn' is selected. The main content area is titled 'Security' and contains '2.4GHz Wireless Security Settings'. The settings are as follows:

Setting	Value
SSID	WAP-EN1750R-5E4650_G
Broadcast SSID	Enable
Wireless Client Isolation	Disable
Load Balancing	50 / 50
Authentication Method	WPA-PSK
WPA Type	WPA2 Only
Encryption Type	AES
Key Renewal Interval	60 minute(s)
Pre-shared Key Type	Passphrase
Pre-shared Key	01977608
Additional Authentication	No additional authentication

Buttons: Apply, Cancel

5. Go to **“Wireless Setting” > “5GHz 11ac 11an”** and repeat steps 3 & 4 for the access point’s 5GHz wireless network.

6. To change the login password for the browser based configuration interface, go to **“Management” > “Admin”**.

The screenshot shows the COMTREND WAP-EN1750R web interface. The top navigation bar includes links for Home, Logout, and Global (English). Below this, a secondary navigation bar lists various settings: Information, Network Settings, Wireless Settings, Management (highlighted), Advanced, and Operation Mode. On the left, a 'Management' sidebar contains links to Admin, Date and Time, Syslog Server, Ping Test, and I'm Here. The main content area is titled 'Admin' and contains a section 'Account to Manage This Device'. This section has two input fields: 'Administrator Name' with the value 'admin' and 'Administrator Password' with masked characters. To the right of the password field are labels '(4-32Characters)' and '(Confirm)'. An 'Apply' button is located at the bottom of the form.

7. Complete the “Administrator Name”, “Administrator Password” and “Confirm” fields and click “Apply”.

8. To set the correct time for your access point, go to **“Management” > “Date and Time”**.

The screenshot shows the COMTREND WAP-EN1750R web interface with the 'Date and Time' configuration page selected. The top navigation bar and secondary navigation bar are the same as in the previous screenshot. The 'Management' sidebar on the left now highlights 'Date and Time'. The main content area is titled 'Date and Time' and contains three sections: 'Date and Time Settings', 'NTP Time Server', and 'Time Zone'. The 'Date and Time Settings' section has a 'Local Time' field with dropdowns for Year (2016), Month (Jun), Day (28), Hours (10), Minutes (39), and Seconds (01). Below this is a button 'Acquire Current Time from Your PC'. The 'NTP Time Server' section has a 'Use NTP' checkbox checked, a 'Server Name' dropdown set to 'North America' with the value '0.north-america.pool.ntp.org', and an 'Update Interval' field set to '24' hours. The 'Time Zone' section has a 'Time Zone' dropdown set to '(GMT-08:00) Pacific Time (US & Canada); Tijuana'. 'Apply' and 'Cancel' buttons are at the bottom right.

9. Select the correct time zone for your access point from the drop down list. The access point also supports NTP (Network Time Protocol) so alternatively you can enter the host name or IP address of a time server. Click “Apply” when you are finished.

10. The basic settings of your access point are now configured. Please refer to “**III. Browser Based Configuration Interface**” for guidance on connecting your access point to a router (with PoE Injector) or PoE switch.



## Browser Based Configuration Interface

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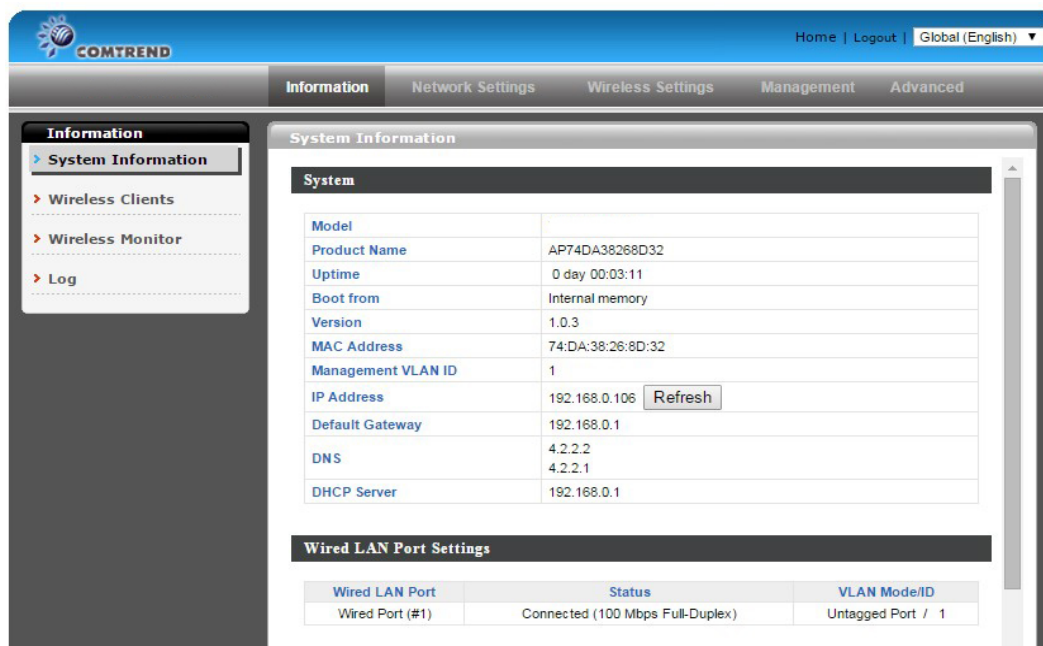
The browser-based configuration interface enables you to configure the access point's advanced features. To access the browser based configuration interface:

1. Connect a computer to your access point using an Ethernet cable.
2. Enter your access point's IP address in the URL bar of a web browser. The access point's default IP address is **192.168.2.1**. **(Default IP address applies if No DHCP Server is detected)**.
3. You will be prompted for a username and password. The default username is “admin” and the default password is “admin”, though it was recommended that you change the password during setup (see “**II-3. Basic Settings**”).

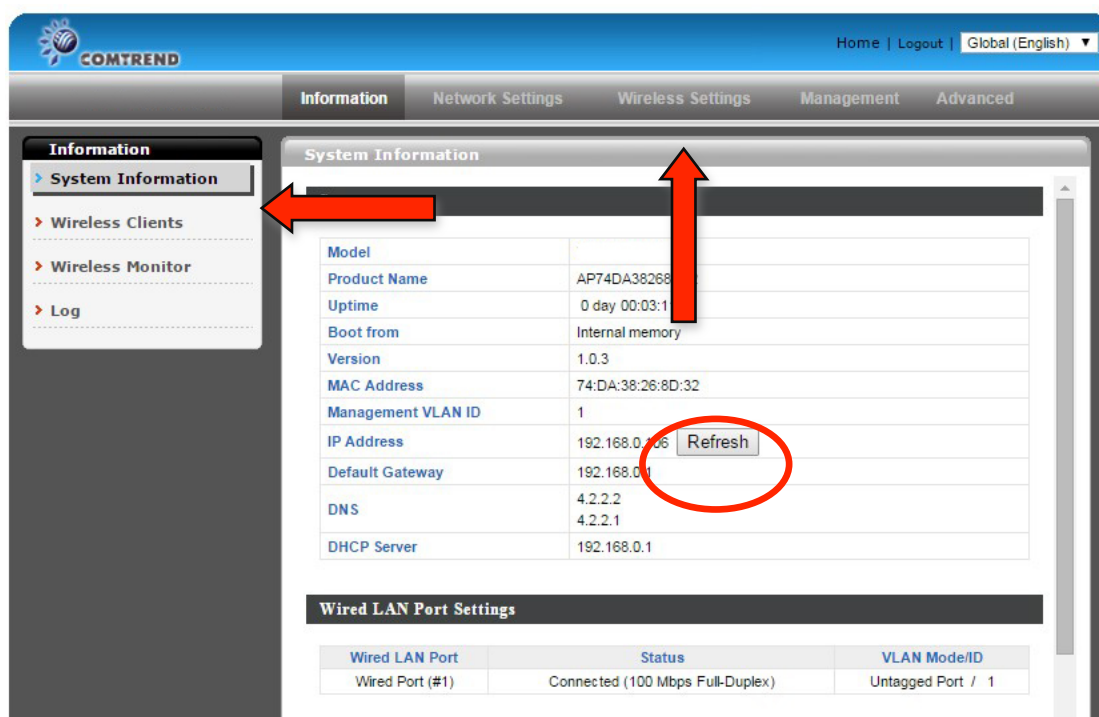


***If you cannot remember your password, reset the access point back to its factory default settings. Refer to “I-5. Reset”***

4. You will arrive at the “System Information” screen shown below.



5. Use the menu across the top and down the left side to navigate.



6. Click “Apply” to save changes and reload the access point, or “Cancel” to cancel changes.



**Wait a few seconds for the access point to reload after you “Apply” changes.**



## Your Device is Now Connected!

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**FOR MORE HELP:** For instructions on advanced features, FAQ, etc., please visit the WAP-EN1750R product webpage online.

**For more information:**

YouTube: <https://www.youtube.com/user/ComtrendConnection>

Facebook: <https://facebook.com/Comtrend>

Website: <http://us.comtrend.com/>

Support: Visit our website or call 1-877-COMTREND  
(1-877-266-8736)

