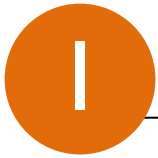


Quick Installation Guide

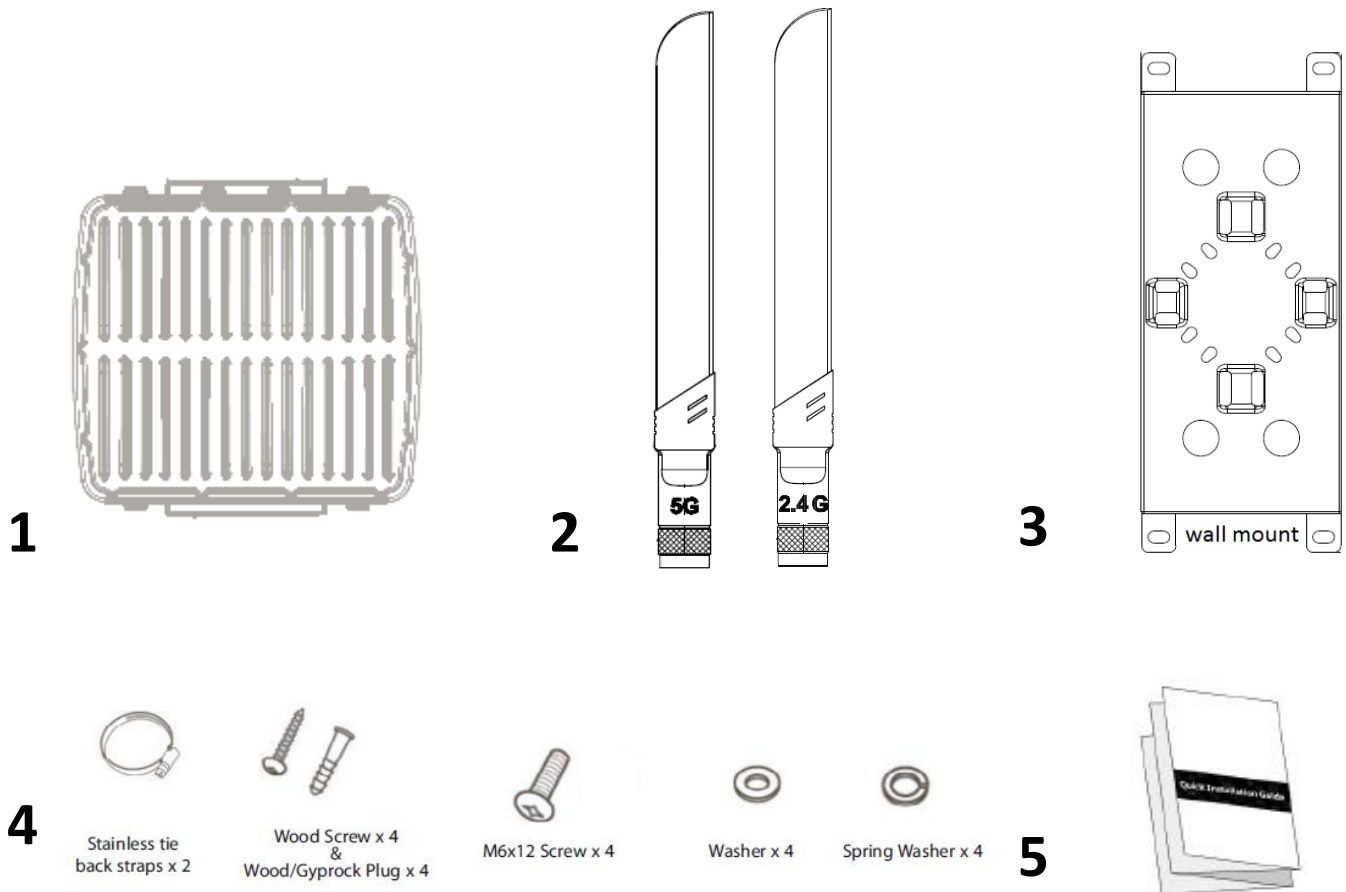
WAP-EN1750R | AC1750 Outdoor Wireless Access Point





Product Information

I-1. Package Contents



1. Access Point

2. Antennas x 3
(2.4Gx3 & 5Gx3)

3. Wall Mount Bracket x 1

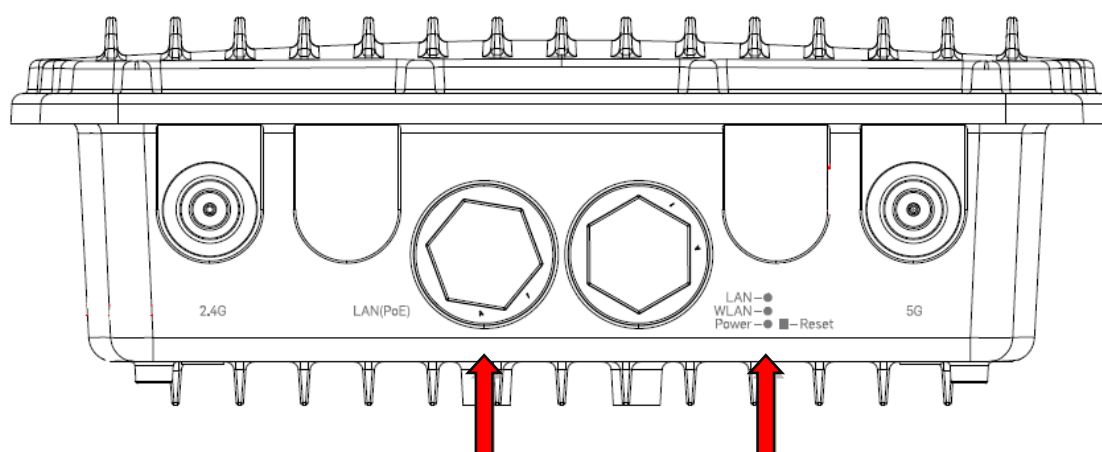
4. Wall/Pole Mount Screws Kits

5. Quick Installation Guide

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, IEEE 802.3at)
- 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.

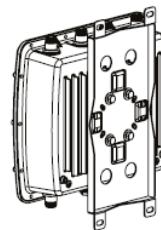
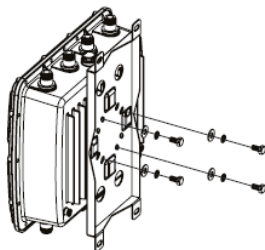
1. Attach the wall mount bracket to the back of the access point using M6x12 screws and washers, as shown below.



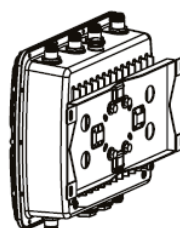
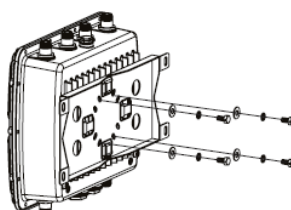
Ensure your access point is securely attached to the wall mount bracket.

Wall Mount:

1.Vertical

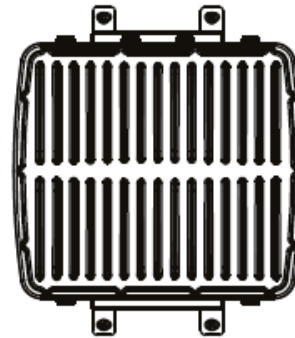


2.Horizontal



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

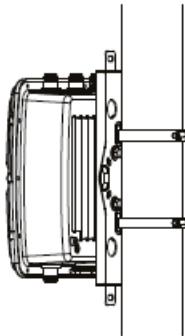
Mounting For Wall



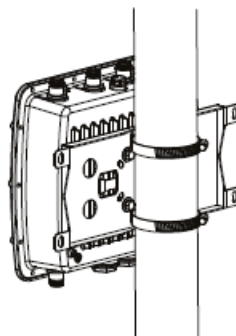
3. Fix the wall mount with the access point to the pole using stainless tie back straps.

Mounting For Pole

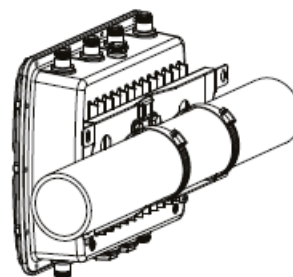
Type 1



Type 2



Type 3



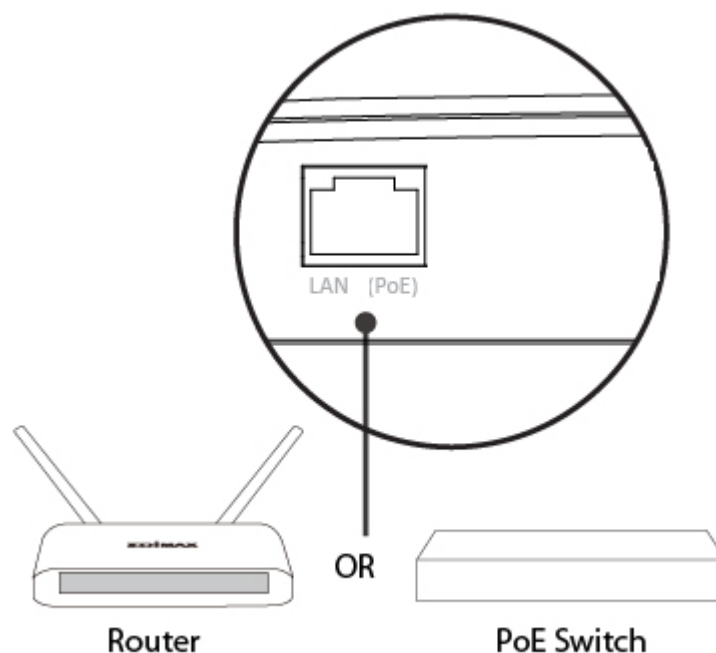


Quick Setup

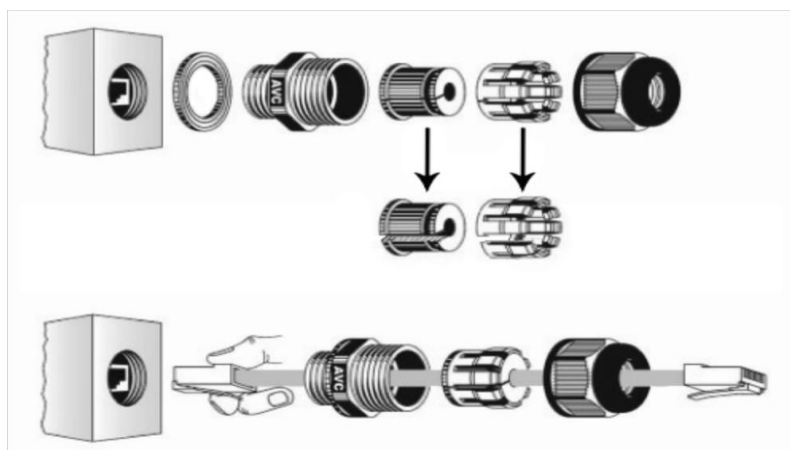
Your access point is preconfigured in a secured setup and ready for use right out of the box. The following instructions will help you install your access point and customize your settings.

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.

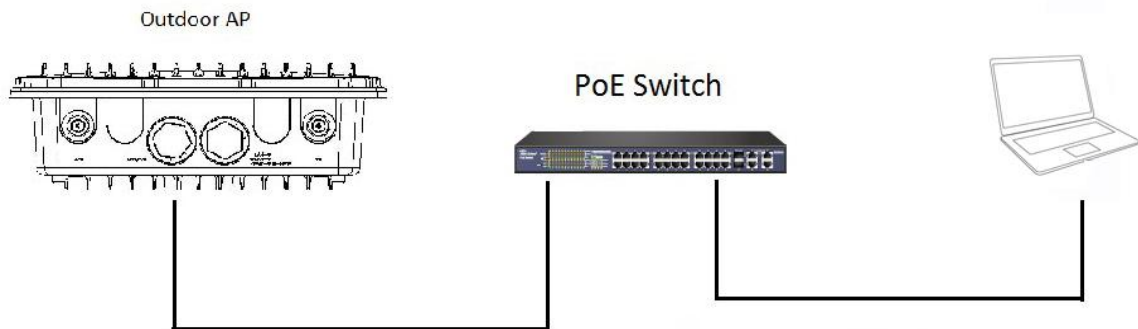


The diagram below illustrates how to thread your installation cable through the weatherproof cable fitting on the bottom of your access point.



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.



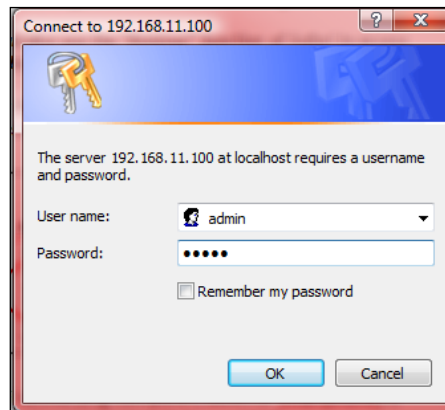
3. Wait a moment for the access point to start up. The access point is ready when the LED is **green**.
4. Set your computer's IP address to **192.168.2.x** where **x** is a number in the range **3 – 100**.



DHCP is enabled on the access by default. If no DHCP Service is found, the access point will default to IP address 192.168.2.2.

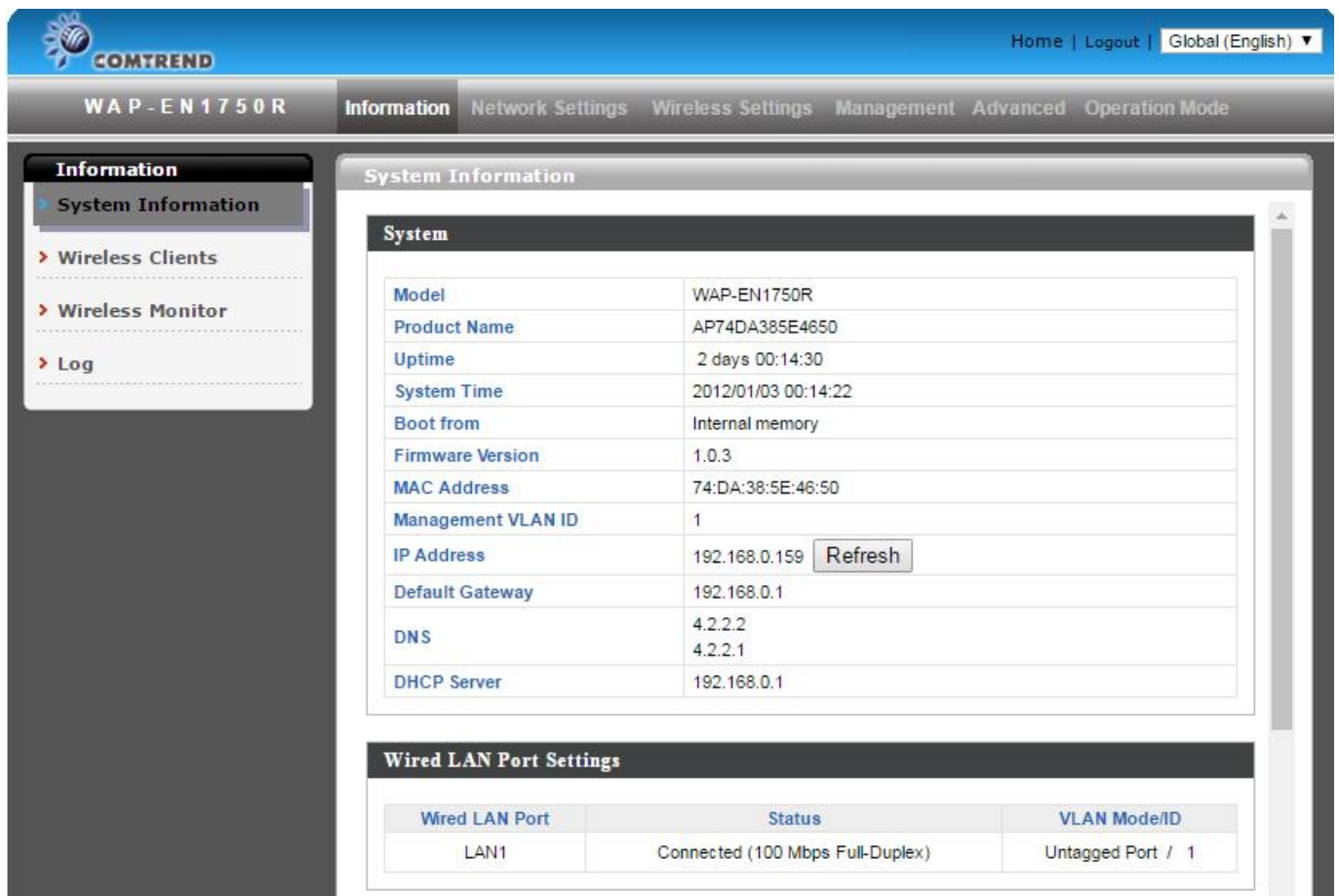
5. Enter the access point's default IP address **192.168.2.2** (or reference your DHCP Client Table if a DHCP Server is present on the network) into the URL bar of a web browser.

6. You will be prompted for a username and password. Enter the default username “admin” and the default password “1234”.



A Windows-style dialog box titled "Connect to 192.168.11.100". It features a key icon and a message: "The server 192.168.11.100 at localhost requires a username and password." Below the message are two input fields: "User name:" with a dropdown menu showing "admin", and "Password:" with a masked field of six dots. There is a checkbox labeled "Remember my password" and two buttons at the bottom: "OK" and "Cancel".

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



The screenshot shows the COMTREND WAP-EN1750R web interface. The top navigation bar includes "Home", "Logout", and "Global (English)". The main menu on the left lists "Information", "Wireless Clients", "Wireless Monitor", and "Log". The "System Information" section is active, displaying a table of system details and a table for wired LAN port settings.

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 web 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 under 'Network Settings'. The main content area is titled 'LAN-side IP Address' and contains a table with 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 configuration 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 'Wireless Settings' tab is selected, and the 'Basic' sub-tab for the 2.4GHz 11bgn network is active. The '2.4GHz Basic Settings' section contains the following fields:

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

At the bottom right of the settings area are 'Apply' and 'Cancel' buttons.

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 'Wireless Settings' tab is selected, and the 'Security' sub-tab for the 2.4GHz 11bgn network is active. The '2.4GHz Wireless Security Settings' section contains the following fields:

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

At the bottom right of the settings area are 'Apply' and 'Cancel' buttons.

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 'Home | Logout | Global (English)'. The main menu has 'WAP-EN1750R' and tabs for 'Information', 'Network Settings', 'Wireless Settings', 'Management', 'Advanced', and 'Operation Mode'. The left sidebar under 'Management' lists 'Admin', 'Date and Time', 'Syslog Server', 'Ping Test', and 'I'm Here'. The 'Admin' page is titled 'Account to Manage This Device' and contains fields for 'Administrator Name' (filled with 'admin'), 'Administrator Password' (masked with '*****'), and a 'Confirm' field (also masked). An 'Apply' button is at the bottom.

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, Management > Date and Time page. The top navigation bar is the same as the previous screenshot. The left sidebar under 'Management' lists 'Admin', 'Date and Time', 'Syslog Server', 'Ping Test', and 'I'm Here'. The 'Date and Time' page is titled 'Date and Time Settings' and contains three sections: 'Local Time' with dropdowns for Year (2016), Month (Jun), Day (28), Hours (10), Minutes (39), and Seconds (01); 'Acquire Current Time from Your PC' button; 'NTP Time Server' with 'Use NTP' checked, 'Server Name' set to '0.north-america.pool.ntp.org', and 'Update Interval' set to 24 hours; and 'Time Zone' 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

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 **192.168.2.2**. **(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.

The screenshot shows the Comtrend web-based configuration interface. The top navigation bar includes "Home", "Logout", and a language dropdown set to "Global (English)". Below this is a secondary navigation bar with tabs: "Information", "Network Settings", "Wireless Settings", "Management", and "Advanced". The "Information" tab is selected, and a left sidebar shows a menu with "System Information" (selected), "Wireless Clients", "Wireless Monitor", and "Log".

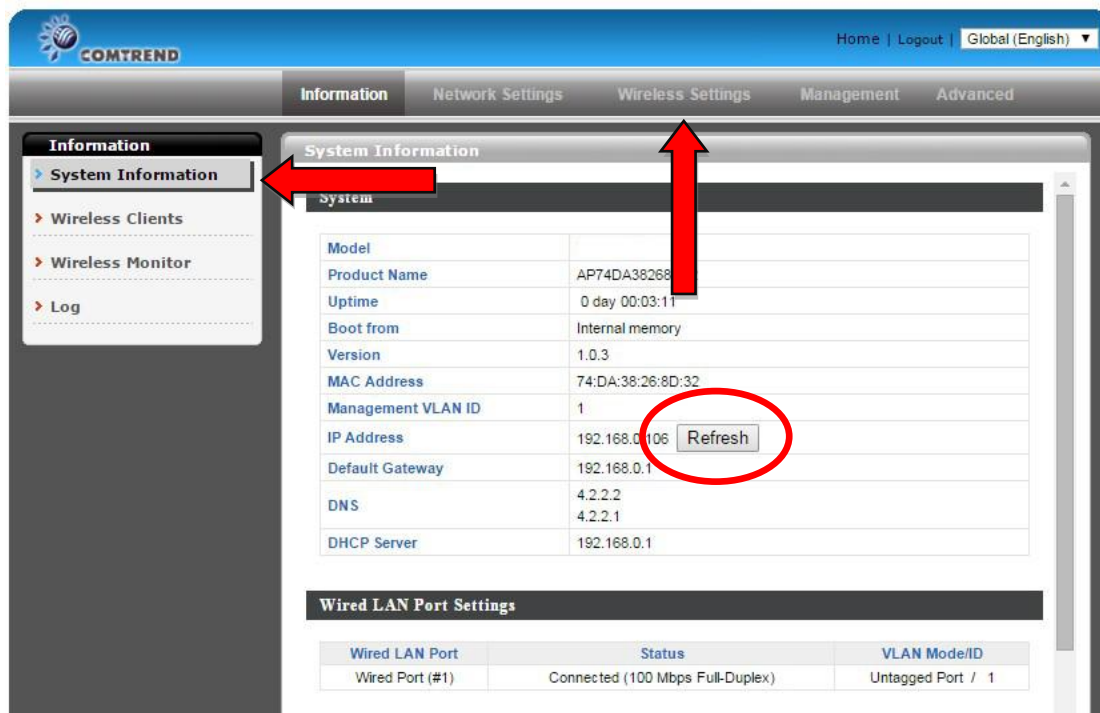
The main content area displays the "System Information" page, which is divided into two sections:

- System**: A table listing various system parameters.
- Wired LAN Port Settings**: A table showing the status of the wired LAN port.

System	
Model	
Product Name	AP74DA38268D32
Uptime	0 day 00:03:11
Boot from	Internal memory
Version	1.0.3
MAC Address	74:DA:38:26:8D:32
Management VLAN ID	1
IP Address	192.168.0.106 <input type="button" value="Refresh"/>
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
Wired Port (#1)	Connected (100 Mbps Full-Duplex)	Untagged Port / 1

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.

IV

Your Device is Now Connected!

Important Notice

Please upgrade your product with the latest firmware to enjoy the newest features. Visit us.comtrend.com for the latest firmware and product documentation. For your convenience, a QR code can be scanned in the bottom of the page.

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)



us.comtrend.com

Federal Communication Commission Interference Statement

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

WiFi

To prevent interference with cordless phones, ensure that gateway is at least 5 feet (1.5m)from the cordless phone base station.This equipment complies with EU radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

EMC Warning

This equipment complies with EU radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Safety

1. This product is designed for indoor use only; DO NOT install the adapter outdoors.
2. DO NOT put this product at or near hot or humid places, e.g. kitchen or bathroom. DO NOT use any spray or liquids on it.
3. DO NOT touch the product with wet hands and DO NOT clean the product with a wet cloth. Use a soft, dry cloth to clean the device.
4. DO NOT expose the product to lit candles, cigarettes, open flames, high or low temperatures, etc.
5. DO NOT pull any connected cable with force; disconnect it from the power first.
6. Ensure proper ventilation, so that air flows freely around the product.
7. If you find that the product is not working properly, please contact your dealer of purchase and ask for help. Do NOT open the casing
8. DO NOT disassemble the product, warranty will be void.

Supplier's Declaration of Conformity

We

Company: **Comtrend Corporation - North America**

Address: **14 Chrysler, Irvine, CA, 92618**

Certify and declare under our responsibility that the following equipment:

Product Name: **AC1750 Outdoor Wireless Access Point**

Model Name: **WAP-EN1750R**

Brand Name: **COMTREND**



Is tested with the declaration described above, and is in conformity with the relevant FCC (Federal Communication Commission) standards, and technical specifications have been applied:

EMC:

47 CFR FCC Rules and Regulations Part 15 Subpart **B** , Class **B** Digital Device

Signature: _____

Printed Name: John Castreje

Departments : Comtrend Corporation - North America

Position: General Manager of North America

E-mail : certify@comtrend.com

Date: 2018/07/02

Notes:

15.19(a)(3) Regulations :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Class B :

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.