



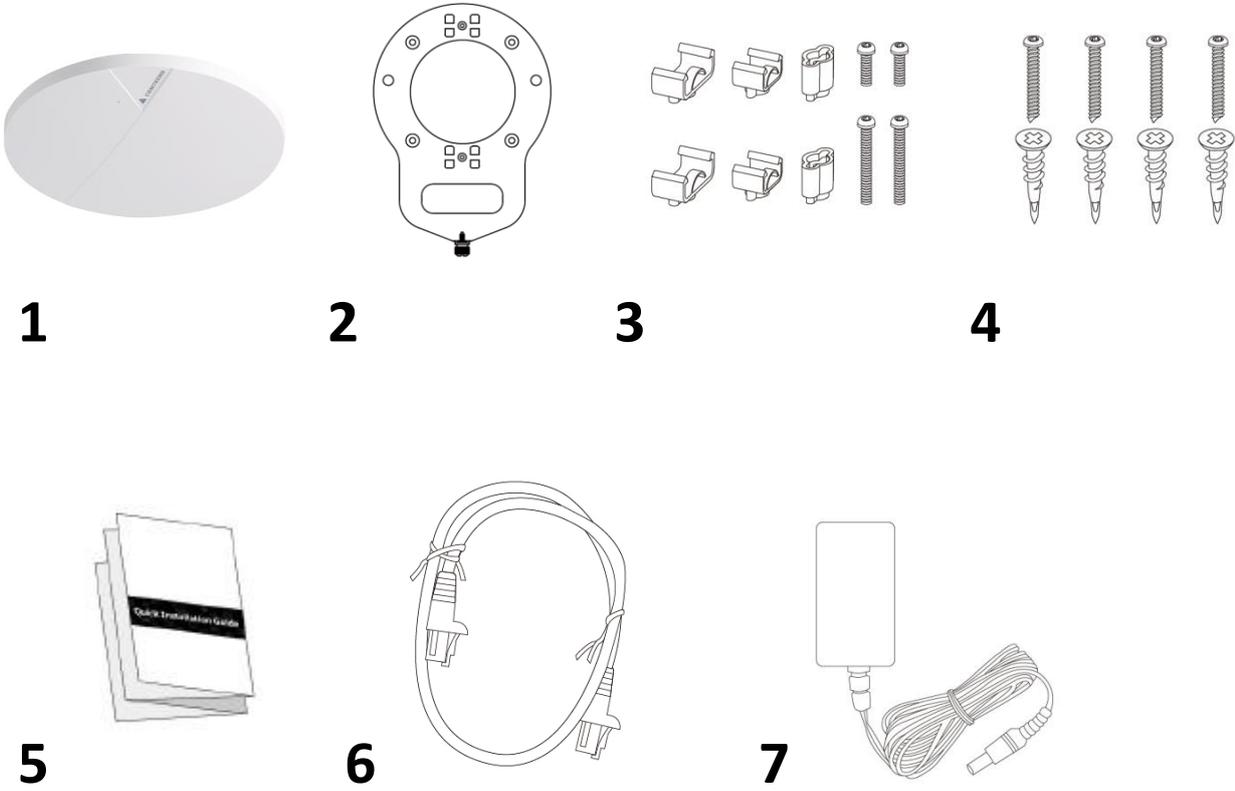
## Quick Installation Guide

WAP-EN1750C | AC1750 Ceiling Mount Access Point



# I Product Information

## I-1. Package Contents

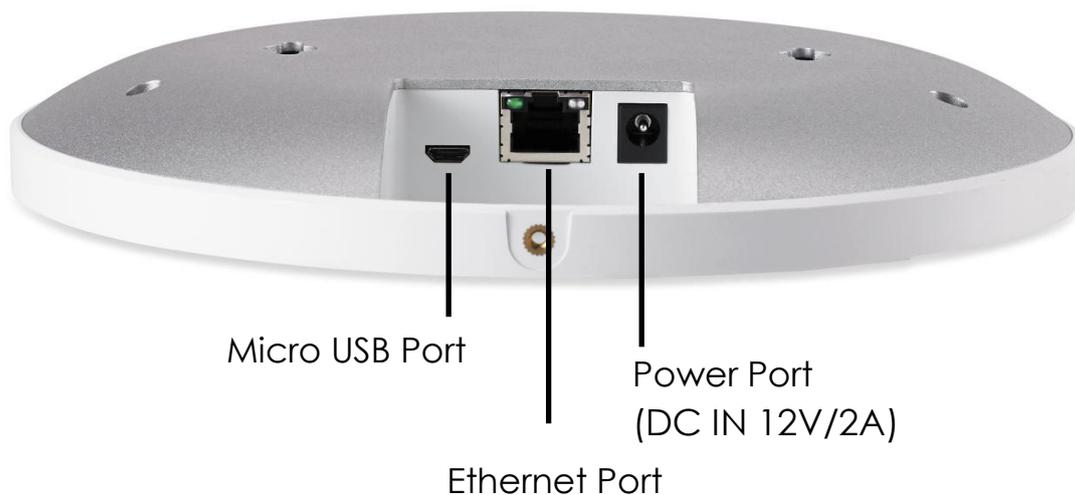


- 1.** Access Point
- 2.** Ceiling Mount Bracket
- 3.** T-Rail Mounting Kit & Screws
- 4.** Ceiling Mounting Kit & Screws
- 5.** Quick Installation Guide
- 6.** Ethernet Cable
- 7.** Power Adapter

## I-2. System Requirements

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

## I-3. Hardware Overview



## I-4. LED Status

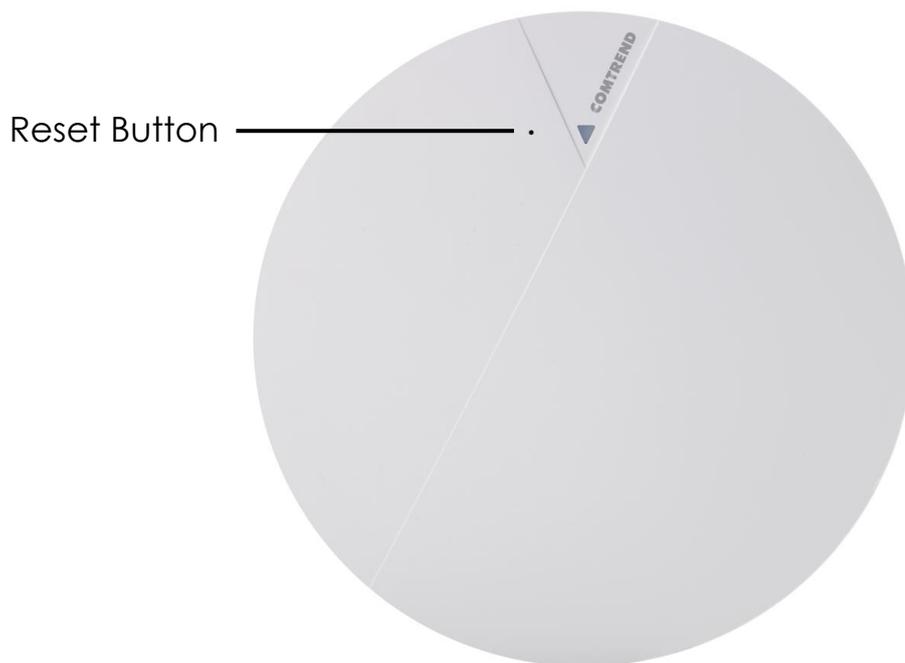
LED Color	LED Status	Description
Blue	On	The access point is on
	Long Flashing	The access point's firmware is upgrading
	Short Flashing	The access point is resetting to factory defaults
Amber	On	The access point is starting up
	Flashing	There is an error
Off	Off	The access point is off

## I-5. Reset

If you experience problems with your access point, you can reset the device back to its factory settings. This will reset 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 paperclip or pencil to push the reset button.**



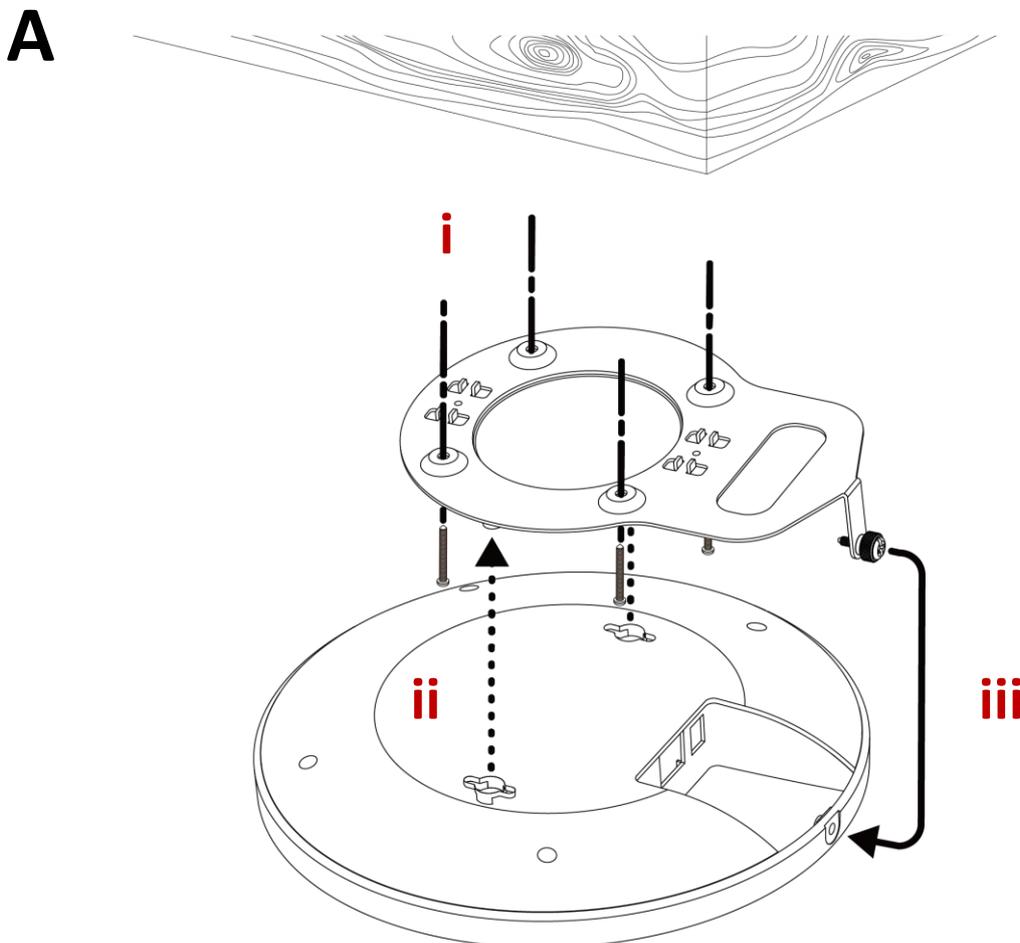
2. Wait for the access point to restart. The access point is ready for setup when the LED is **blue**.

## I-6. Mounting the Access Point to a Ceiling

To mount the access point to a ceiling, please follow the instructions below and refer to diagrams **A** & **B**.

### For Wooden Ceilings (refer to diagram A):

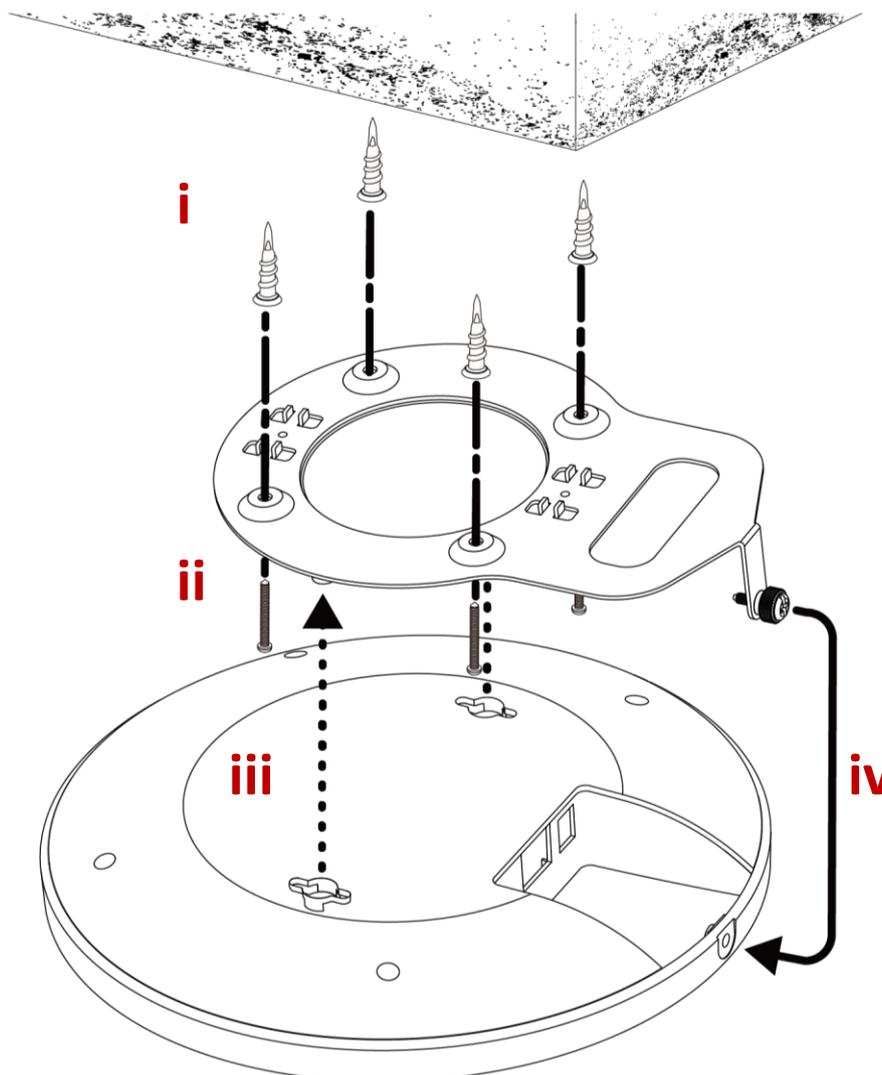
1. Place the ceiling mount bracket to a ceiling in your desired location and use the included screws x 4 to fix it into place **(i)**.
2. Attach the access point to the ceiling mount bracket by aligning the grooves in the access point to the ceiling mount, as shown in **ii**.
3. Secure the access point firmly in place using the included screw as shown in **iii**.



## For Other Ceilings (refer to diagram B):

1. Drill four holes in your ceiling using the ceiling mount bracket as a guide, and insert the four included wall plugs/screw anchors (**i**).
2. Align the ceiling mount bracket with your wall plugs/screw anchors and use the included screws x 4 to fix it into place (**ii**).
3. Attach the access point to the ceiling mount bracket by aligning the grooves in the access point to the ceiling mount, as shown in **iii**.
4. Secure the access point firmly in place using the included screw as shown in **iv**.

**B**



## I-7. Drop Ceiling/Suspended Ceiling Mount

To mount the access point to a drop ceiling rail, follow the instructions below and refer to diagram **C, D & E**.

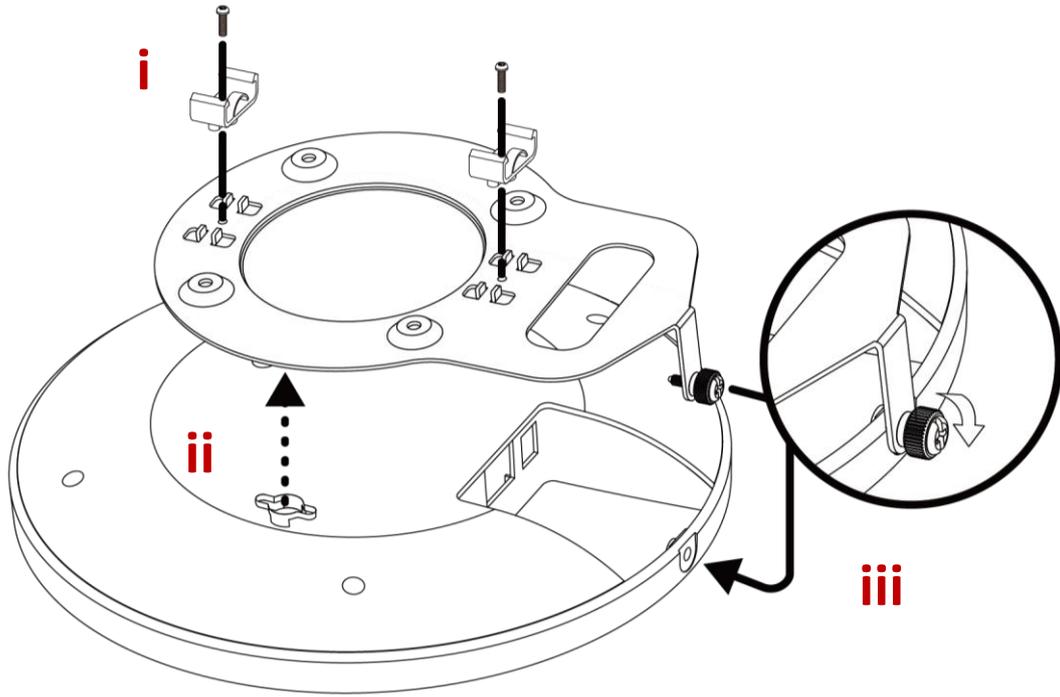
1. Select the correct size T-Rail bracket from the two sizes that are included in the package contents.
2. Attach the T-Rail bracket to the ceiling mount using the included screws x 2 as shown in **i**.



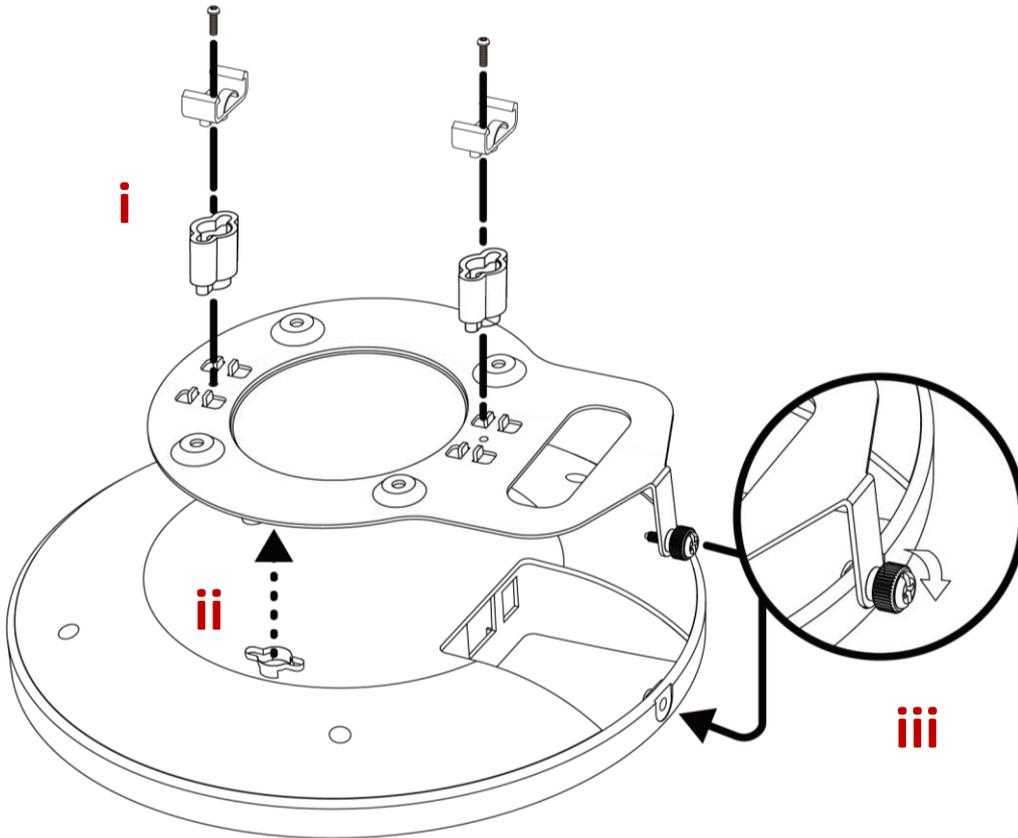
***You can use the included bracket and longer screws if you need more space between the access point and the T-Rail.***

3. Attach the access point to the ceiling mount bracket by aligning the grooves in the access point to the ceiling mount, as shown in **ii**.
4. Secure the access point firmly in place using the included screw as shown in **iii**.
5. Clip the access point onto your T-Rail using the now attached T-Rail bracket.

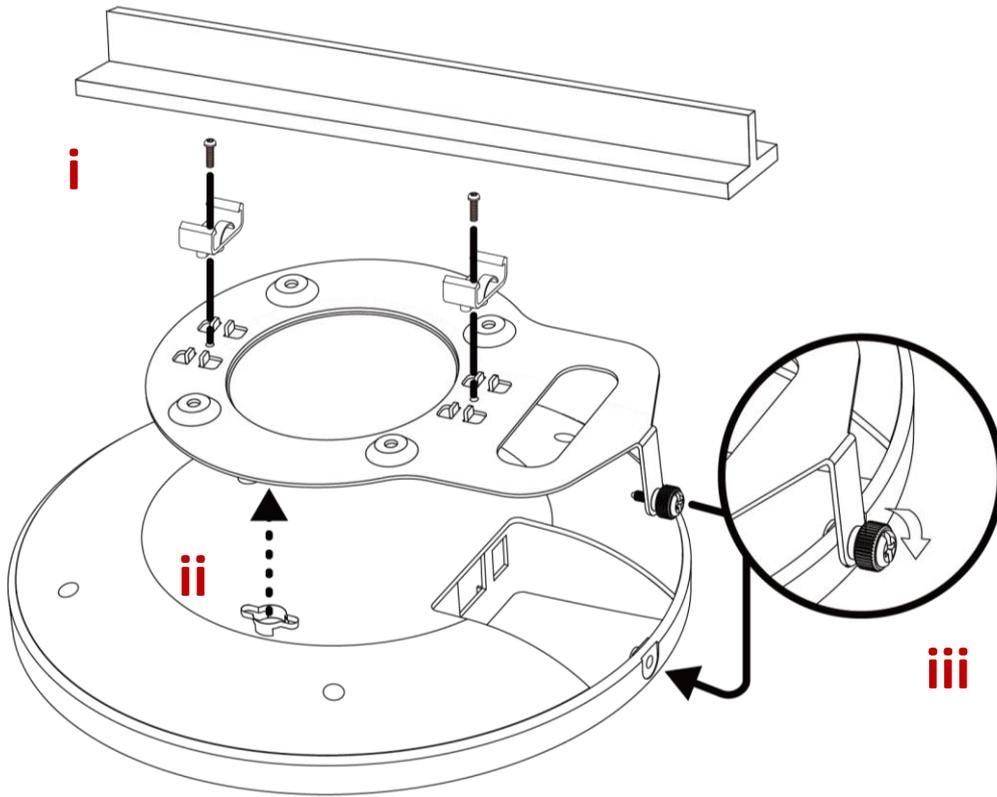
C



D



**E**



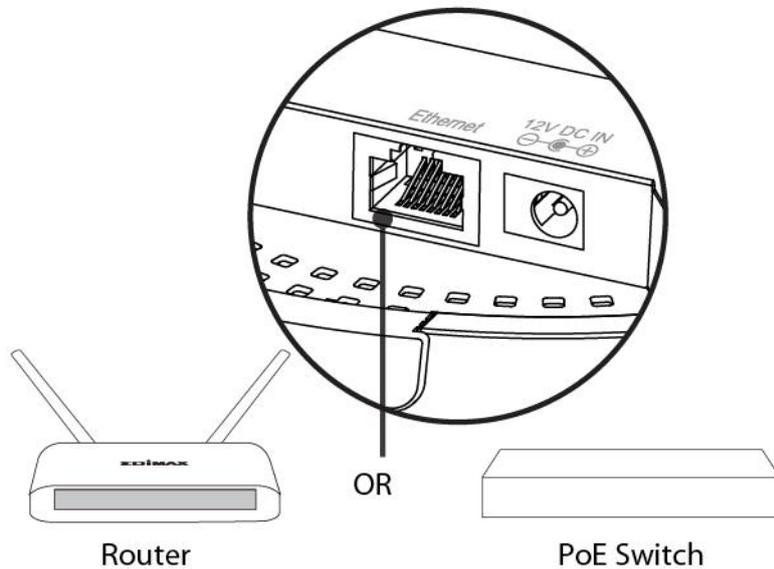


# Quick Setup

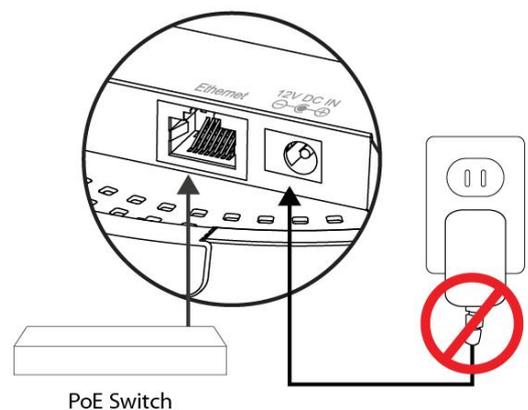
Your access point is preconfigured in a secured setup and is ready for use right out of the box. The following instructions will help you install your access point and customize your settings.

## II-1. Initial Setup

1. Connect a router or PoE switch to the access point's **LAN** port using an Ethernet cable.



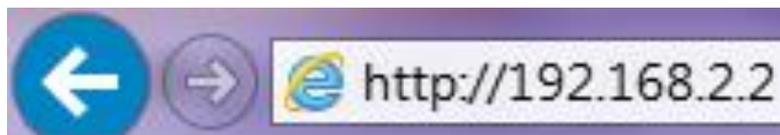
2. If you are using a router, then connect the power adapter to the access point's 12V DC port and plug the power adapter into a power supply.
3. If you are using a PoE (Power over Ethernet) switch then it is not necessary to use the included power adapter. The access point will be powered by the PoE switch.



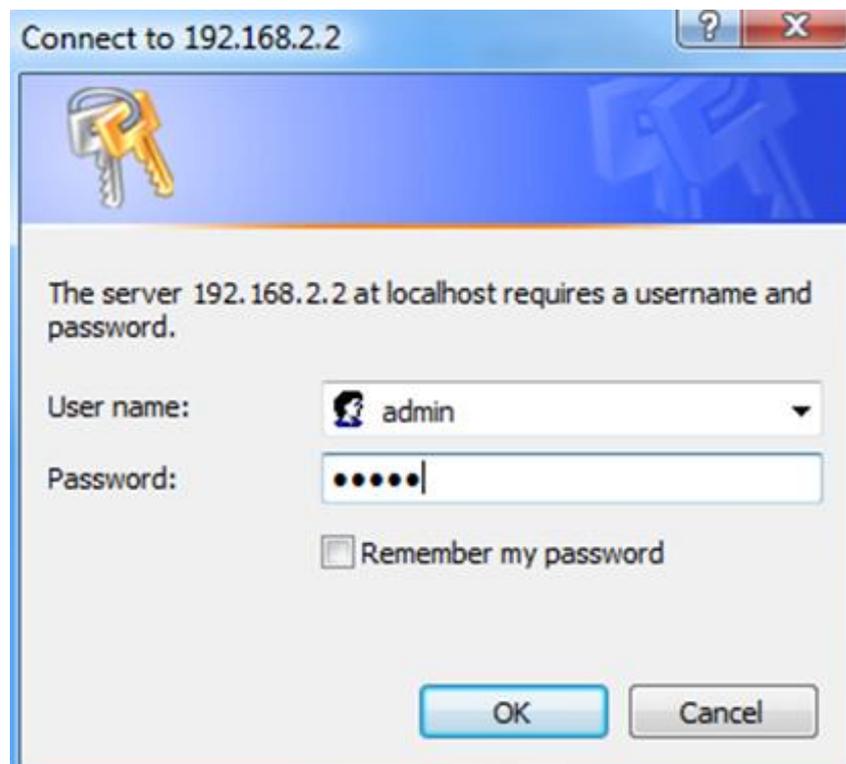
4. Wait a moment for the access point to start up. The access point is ready when the LED is **blue**.
5. Set your computer's IP address to **192.168.2.x** where **x** is a number in the range **3 – 100**.

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

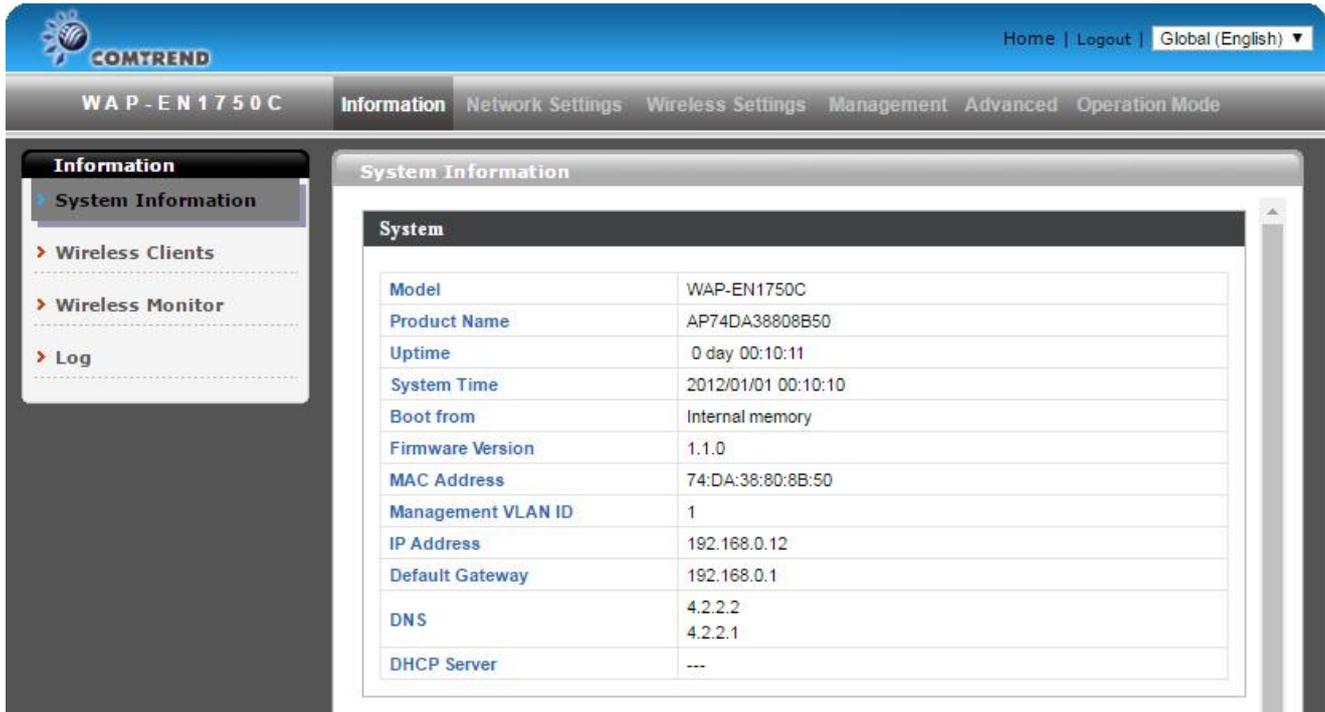
6. Enter the access point's default IP address **192.168.2.2** into the URL bar of a web browser. (Default IP address of 192.168.2.2 is used when no DHCP Server is found)



7. You will be prompted for a username and password. Enter the default username "admin" and the default password "1234".



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



The screenshot displays the Comtrend WAP-EN1750C web interface. The top navigation bar includes 'Home | Logout | Global (English)'. The main menu shows 'Information', 'Network Settings', 'Wireless Settings', 'Management', 'Advanced', and 'Operation Mode'. The left sidebar lists 'Information', 'System Information', 'Wireless Clients', 'Wireless Monitor', and 'Log'. The main content area is titled 'System Information' and contains a table with the following data:

System	
Model	WAP-EN1750C
Product Name	AP74DA38808B50
Uptime	0 day 00:10:11
System Time	2012/01/01 00:10:10
Boot from	Internal memory
Firmware Version	1.1.0
MAC Address	74:DA:38:80:8B:50
Management VLAN ID	1
IP Address	192.168.0.12
Default Gateway	192.168.0.1
DNS	4.2.2.2 4.2.2.1
DHCP Server	---

9. Follow the instructions below in **II-2. Basic Settings** to configure basic settings.

## II-2. Basic Settings

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

- LAN IP Address
- 2.4GHz & 5GHz SSID & Security
- Administrator Name & Password
- Time & Date



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

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

LAN-side IP Address	
IP Address Assignment	DHCP Client ▾
IP Address	192.168.2.2
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

2. Enter the IP address settings you wish to use for your access point. You can use a dynamic (DHCP) or static IP address, depending on your network environment. Click “Apply” to save the changes and wait a few moments for the access point to reload (Default setting is DHCP Enabled).



***When you change your access point's IP address, you need to use the new IP address to access the browser based configuration interface instead of the default IP 192.168.2.2.***

- To change the SSID of your access point's 2.4GHz wireless network(s), go to **“Wireless Setting” > “2.4GHz 11bgn” > “Basic”**. Enter the new SSID for your 2.4GHz wireless network in the “SSID1” field and click “Apply”.



**To utilize multiple 2.4GHz SSIDs, open the drop down menu labelled “Enable SSID number” and select how many SSIDs you require. Then enter a new SSID in the corresponding numbered fields below, before clicking “Apply”.**

2.4GHz Basic Settings	
Wireless	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Band	11b/g/n
Enable SSID number	1
SSID1	CAP-CCDD10_G <span style="margin-left: 20px;">VLAN ID 1</span>
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

- To configure the security of your access point's 2.4GHz wireless network(s), go to **“Wireless Setting” > “2.4GHz 11bgn” > “Security”**. Select an “Authentication Method” and enter a “Pre-shared Key” or “Encryption Key” depending on your choice, then click “Apply”.



**If using multiple SSIDs, specify which SSID to configure using the “SSID” drop down menu.**

2.4GHz Wireless Security Settings	
SSID	CAP-CCDD10_G
Broadcast SSID	Enable
Wireless Client Isolation	Disable
Load Balancing	50 /50
Authentication Method	No Authentication
Additional Authentication	No additional authentication

- Go to **“Wireless Setting” > “5GHz 11ac 11an”** and repeat steps **3 & 4** for the access point’s 5GHz wireless network(s).
- To change the administrator name and password for the browser based configuration interface, go to **“Management” > “Admin”**.

Account to Manage This Device	
Administrator Name	<input type="text" value="admin"/>
Administrator Password	<input type="password" value="•••••"/> (4-32 Characters)
	<input type="password" value="•••••"/> (Confirm)
<input type="button" value="Apply"/>	

- Complete the “Administrator Name” and “Administrator Password” fields and click “Apply”.

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

Date and Time Settings	
Local Time	2012 <input type="button" value="v"/> Year Jan <input type="button" value="v"/> Month 1 <input type="button" value="v"/> Day
	0 <input type="button" value="v"/> Hours 00 <input type="button" value="v"/> Minutes 00 <input type="button" value="v"/> Seconds
<input type="button" value="Acquire Current Time from Your PC"/>	
NTP Time Server	
Use NTP	<input type="checkbox"/> Enable
Server Name	<input type="text"/>
Update Interval	24 <input type="text"/> hours
Time Zone	
Time Zone	(GMT) Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London <input type="button" value="v"/>

8. Set the correct time and time zone for your access point using the drop down menus. 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.



***You can use the “Acquire Current Time from your PC” button if you wish to set the access point to the same time as your PC.***

9. The basic settings of your access point are now configured. Please refer to **III. Hardware Installation** for guidance on connecting your access point to a router or PoE switch.



# Browser Based Configuration Interface

The browser-based configuration interface enables you to configure the access point's advanced features. The access point features a range of advanced functions such as MAC filtering, MAC RADIUS authentication, VLAN configurations, up to 32 SSIDs and many more. 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 "1234", though it was recommended that you change the password during setup (see **II-2. Basic Settings**).



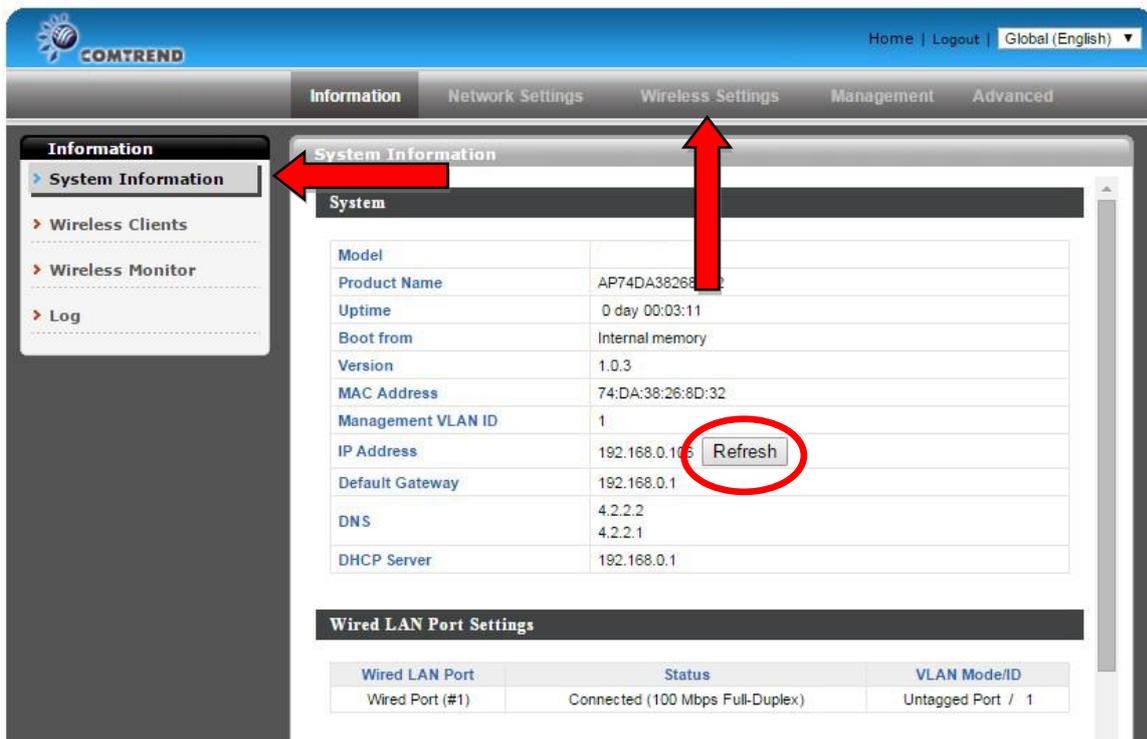
***If you cannot remember your password, reset the access point back to its factory default settings. Refer to I-5.***

## **Reset**

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

System	
Model	WAP-EN1750C
Product Name	AP74DA38808B50
Uptime	0 day 00:10:11
System Time	2012/01/01 00:10:10
Boot from	Internal memory
Firmware Version	1.1.0
MAC Address	74:DA:38:80:8B:50
Management VLAN ID	1
IP Address	192.168.0.12
Default Gateway	192.168.0.1
DNS	4.2.2.2 4.2.2.1
DHCP Server	---

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!

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### Important Notice

Please upgrade your product with the latest firmware to enjoy the newest features. Visit [us.comtrend.com](http://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 our online Product Webpage.

**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](http://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 Ceiling Mount Access Point**

Model Name: **WAP-EN1750C**

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](mailto: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.