

Quick Installation Guide

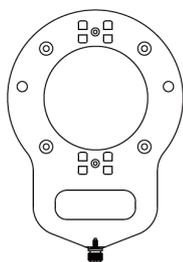
WAP-EN1750C | AC1750 Ceiling Mount Access Point

I Product Information

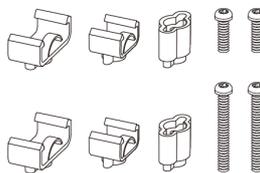
I-1. Package Contents



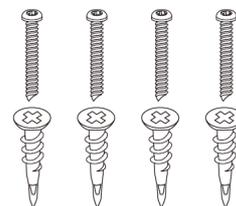
1



2



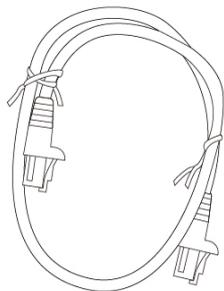
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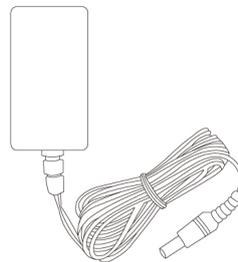
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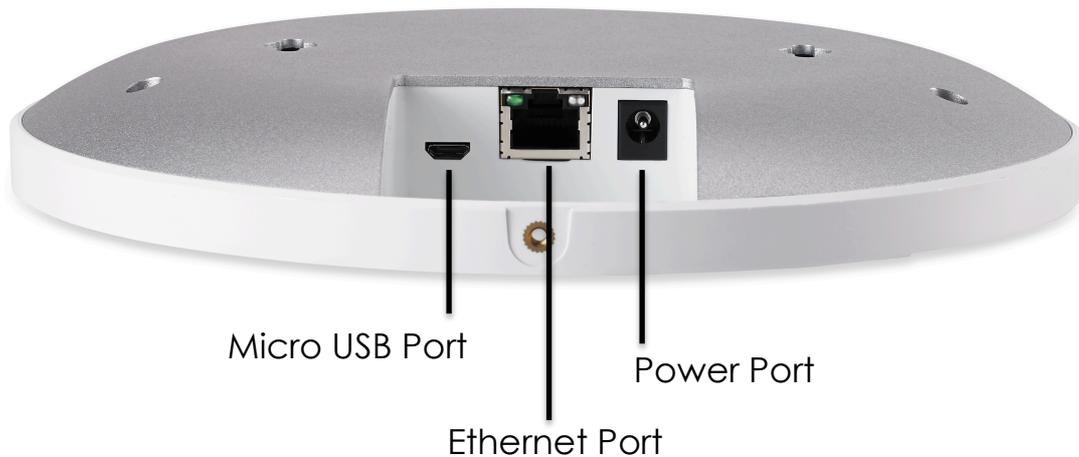
7

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

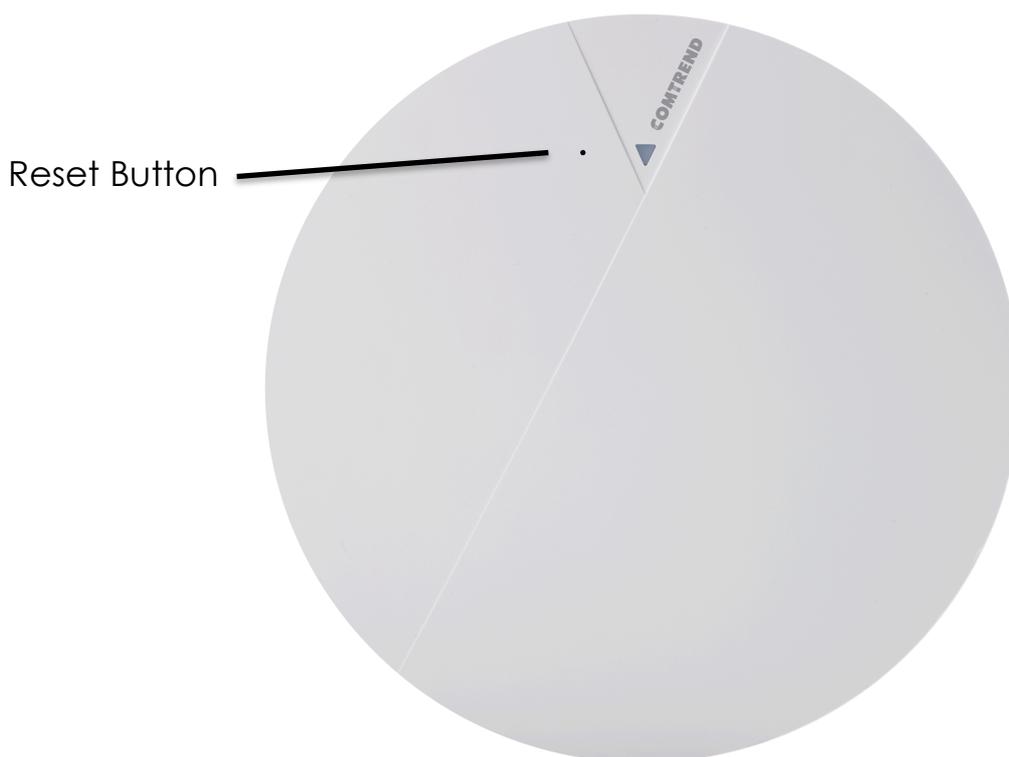
LED Color	LED Status	Description
Blue	On	The access point is on
	Long Flashing	The access point's firmware is upgrading
	Short Flashing	The access point is resetting to factory defaults
Amber	On	The access point is starting up
	Flashing	There is an error
Off	Off	The access point is off

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**.

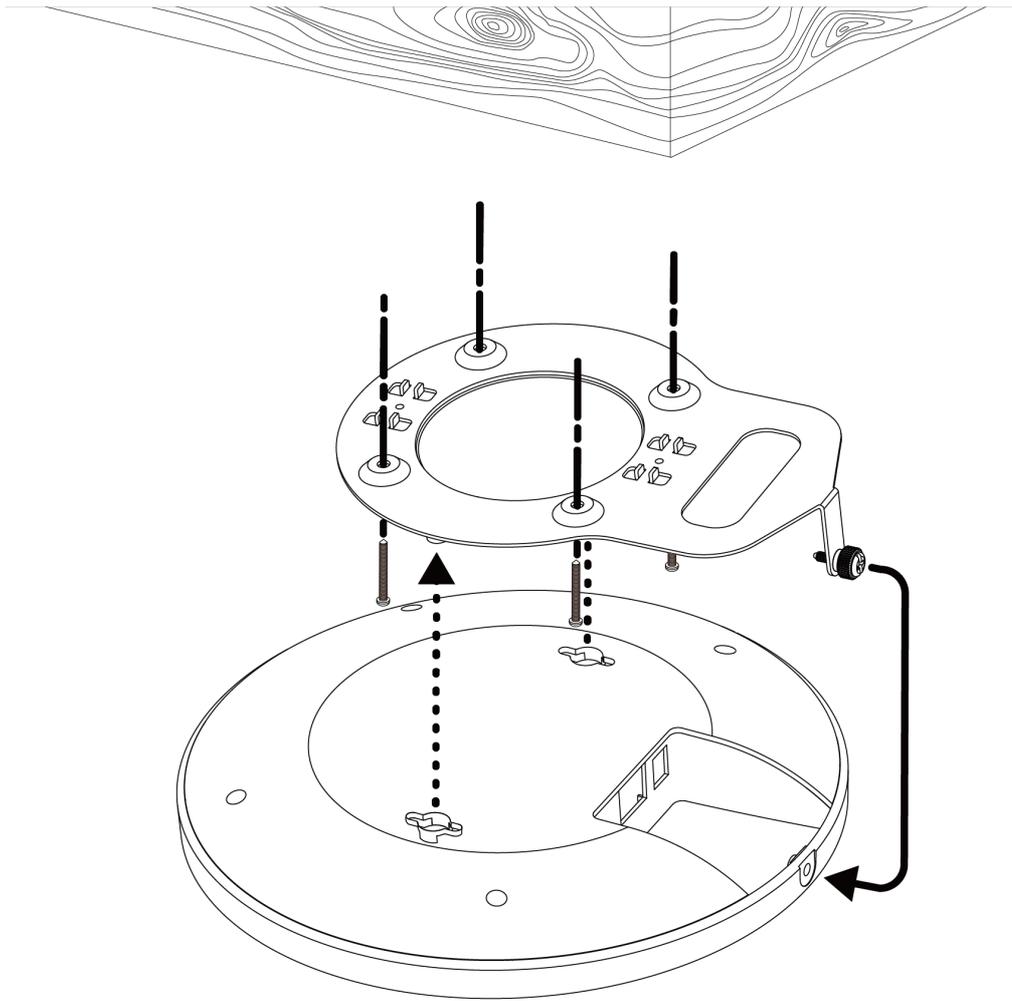
I-6. Mounting the Access Point to a Ceiling

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**.

A

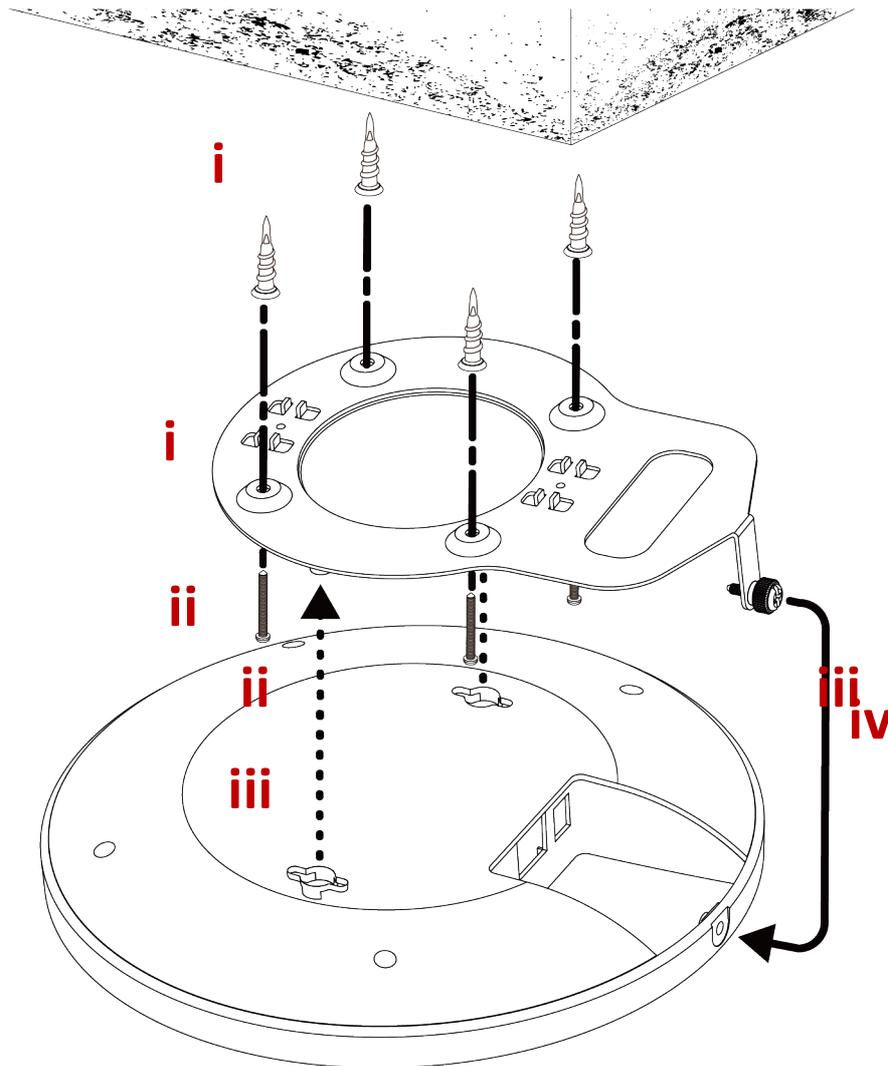


For Other Ceilings (refer to diagram B):

- 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**.

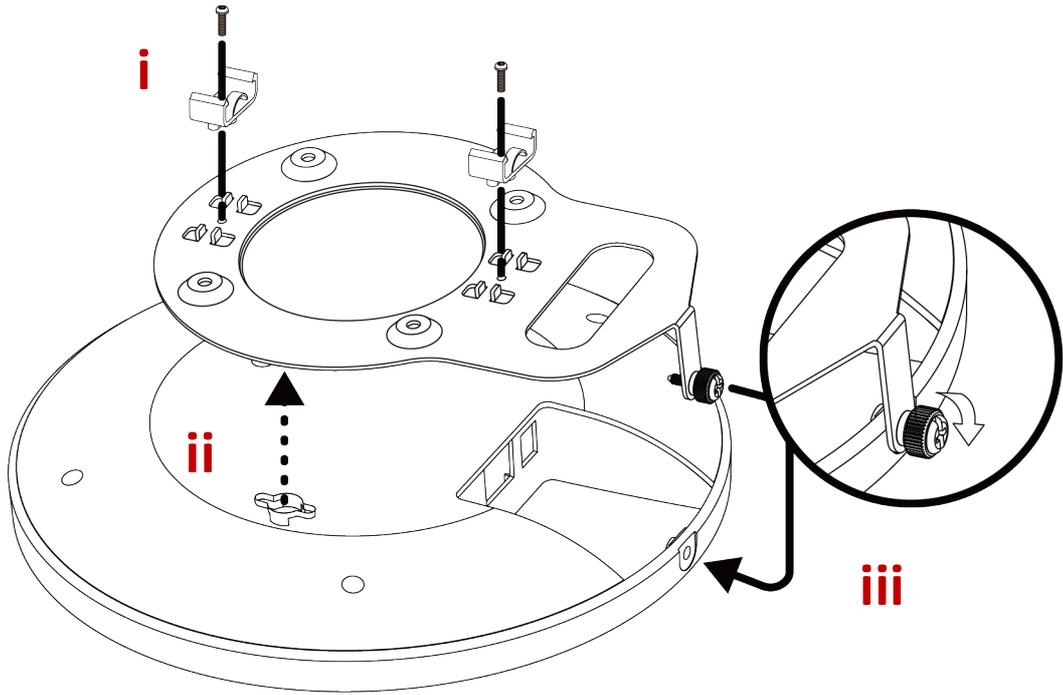
1. Select the correct size T-Rail bracket from the two sizes that are included in the package contents.
2. Attach the T-Rail bracket to the ceiling mount using the included screws x 2 as shown in **i**.



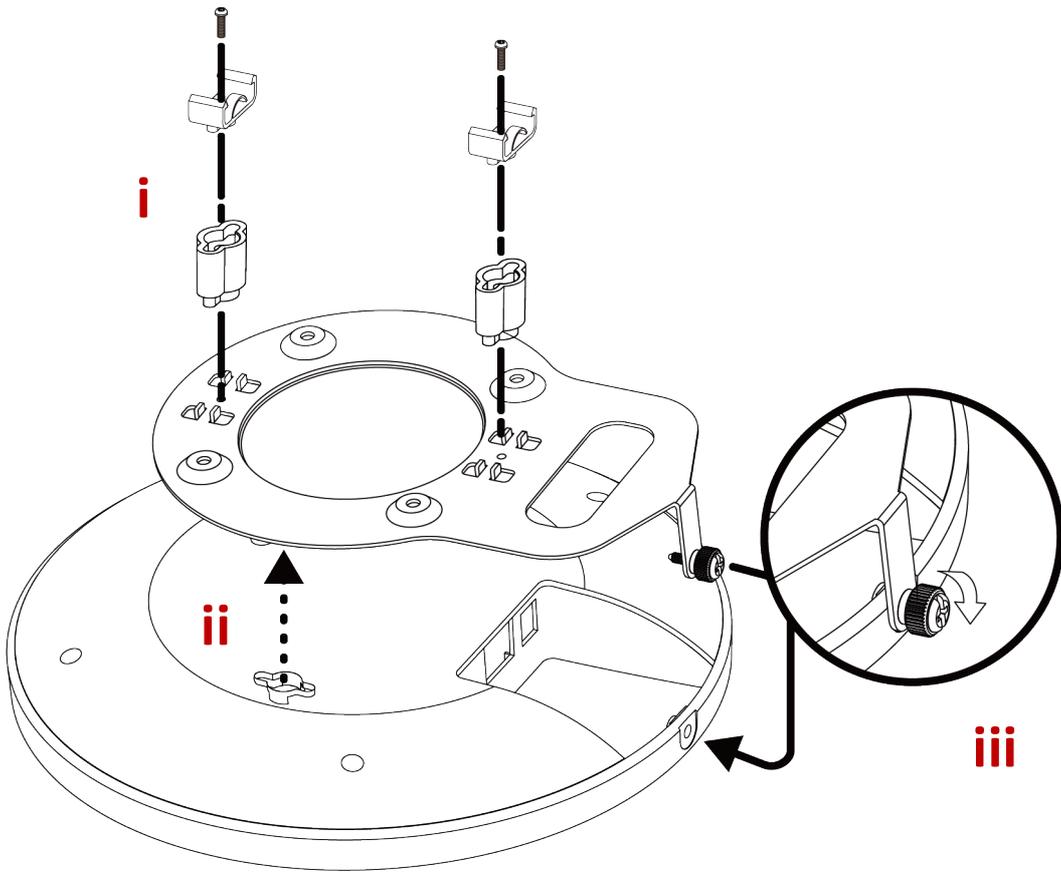
You can use the included bracket and longer screws if you need more space between the access point and the T-Rail.

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.

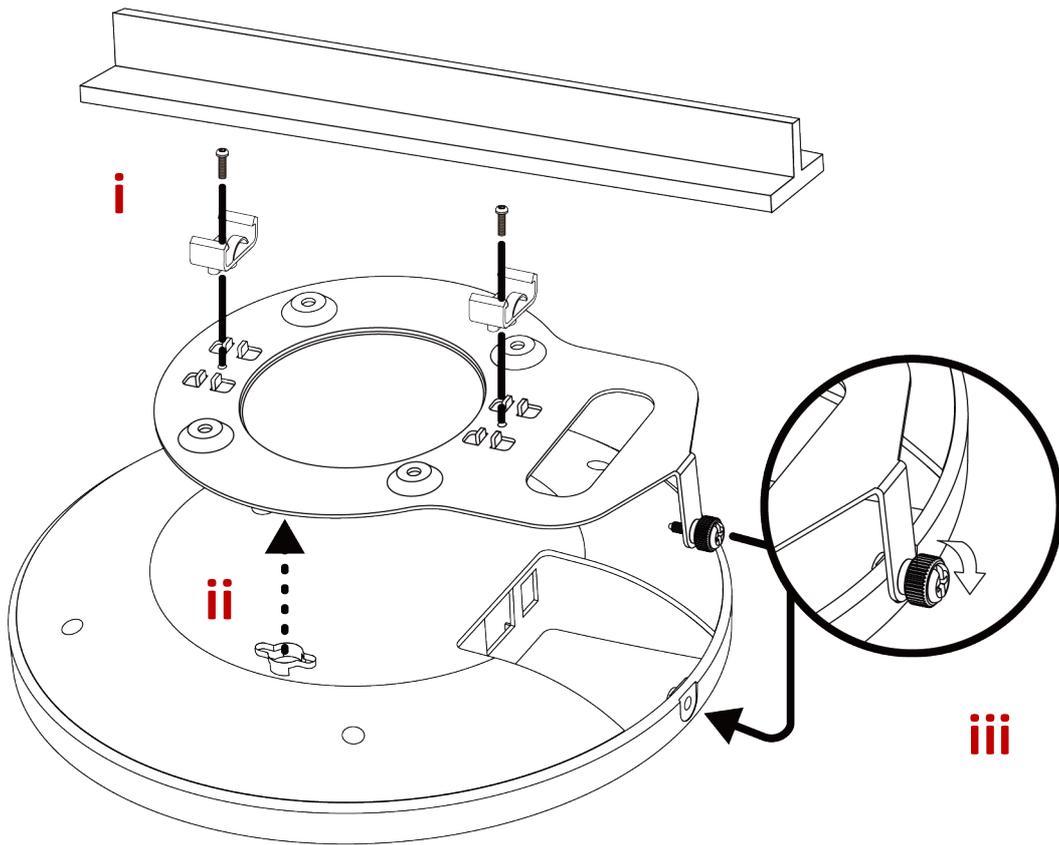
C



D



E

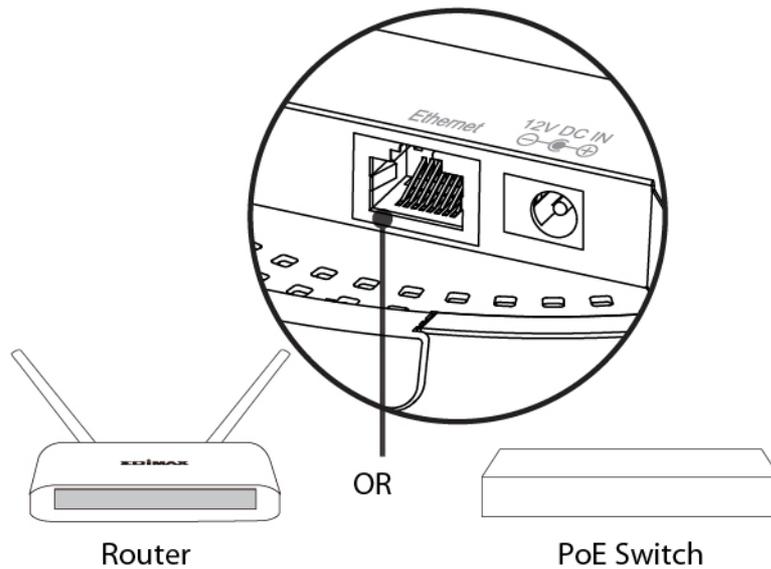


Quick Setup

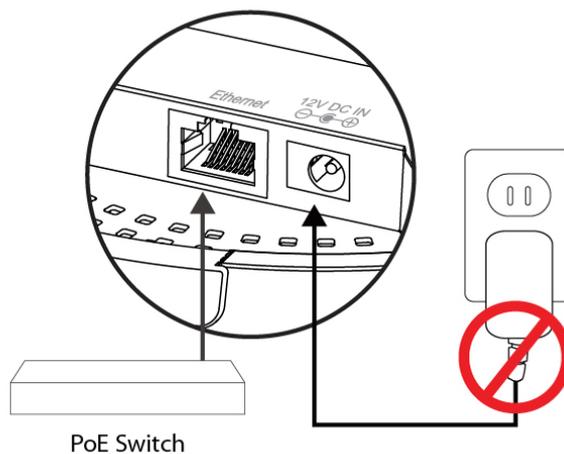
Your access point is preconfigured in a secured setup and is ready for use right out of the box. The following instructions will help you install your access point and customize your settings.

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.



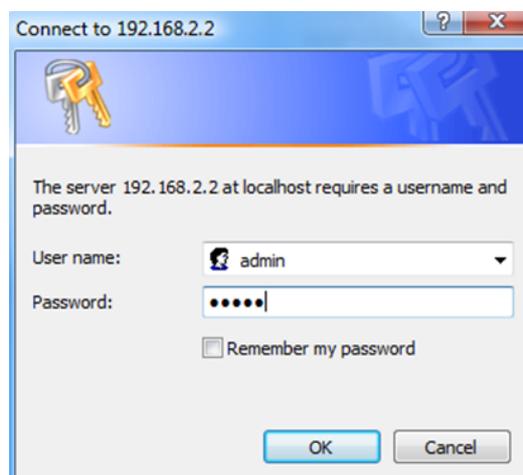
4. Wait a moment for the access point to start up. The access point is ready when the LED is **blue**.
5. Set your computer's IP address to **192.168.2.x** where **x** is a number in the range **3 – 100**.

 **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.**

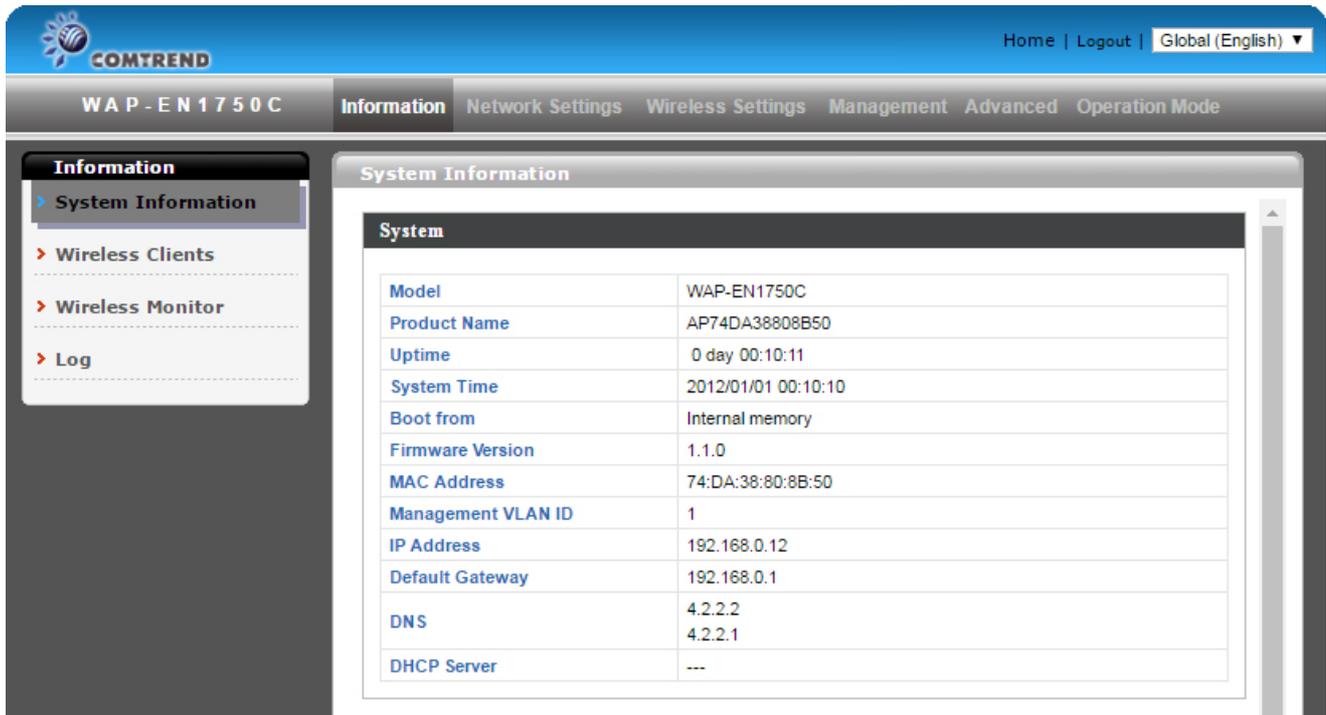
6. Enter the access point's default IP address **192.168.2.2** into the URL bar of a web browser. (Default IP address of 192.168.2.2 is used when no DHCP Server is found)



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 System Information page. The page features a navigation menu on the left with options like System Information, Wireless Clients, Wireless Monitor, and Log. The main content area shows a table of system information:

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 screen below.

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.***

3. 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 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

4. To configure the security of your access point’s 2.4GHz wireless network(s), go to **“Wireless Setting” > “2.4GHz 11bgn” > “Security”**.

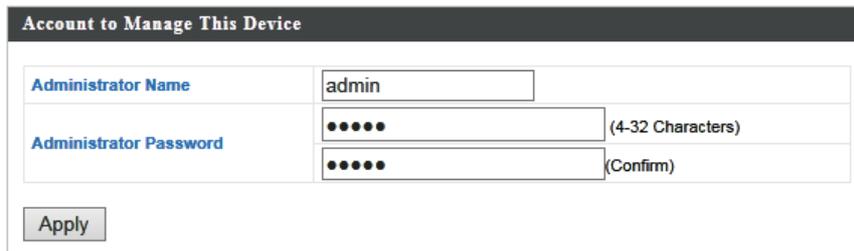
Select an “Authentication Method” and enter a “Pre-shared Key” or “Encryption Key” depending on your choice, then click “Apply”.



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

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



The screenshot shows a web interface titled "Account to Manage This Device". It contains a form with the following fields:

Administrator Name	<input type="text" value="admin"/>
Administrator Password	<input type="password" value="•••••"/> (4-32 Characters)
	<input type="password" value="•••••"/> (Confirm)

Below the form is an "Apply" button.

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

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

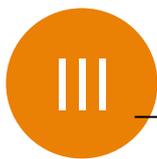
Date and Time Settings	
Local Time	2012 Year Jan Month 1 Day
	0 Hours 00 Minutes 00 Seconds
<input type="button" value="Acquire Current Time from Your PC"/>	
NTP Time Server	
Use NTP	<input type="checkbox"/> Enable
Server Name	<input type="text"/>
Update Interval	24 hours
Time Zone	
Time Zone	(GMT) Greenwich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

9. 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.

10. 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.

The screenshot shows the COMTREND WAP-EN1750C web interface. The top navigation bar includes 'Home | Logout | Global (English)'. Below it, a secondary navigation bar lists 'Information', 'Network Settings', 'Wireless Settings', 'Management', 'Advanced', and 'Operation Mode'. On the left, a sidebar menu under 'Information' has 'System Information' selected. The main content area displays 'System Information' with a table of system details.

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.

This screenshot is similar to the previous one but includes red arrows and a circled button. A red arrow points from the 'System Information' menu item in the left sidebar to the main content area. Another red arrow points from the top navigation bar to the 'System Information' header. A red circle highlights a 'Refresh' button located next to the IP address field in the system information table.

System	
Model	WAP-EN1750C
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

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!

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)