



Quick Installation Guide

WAP-PC1750W

AC1750 Wall Mount Access Point

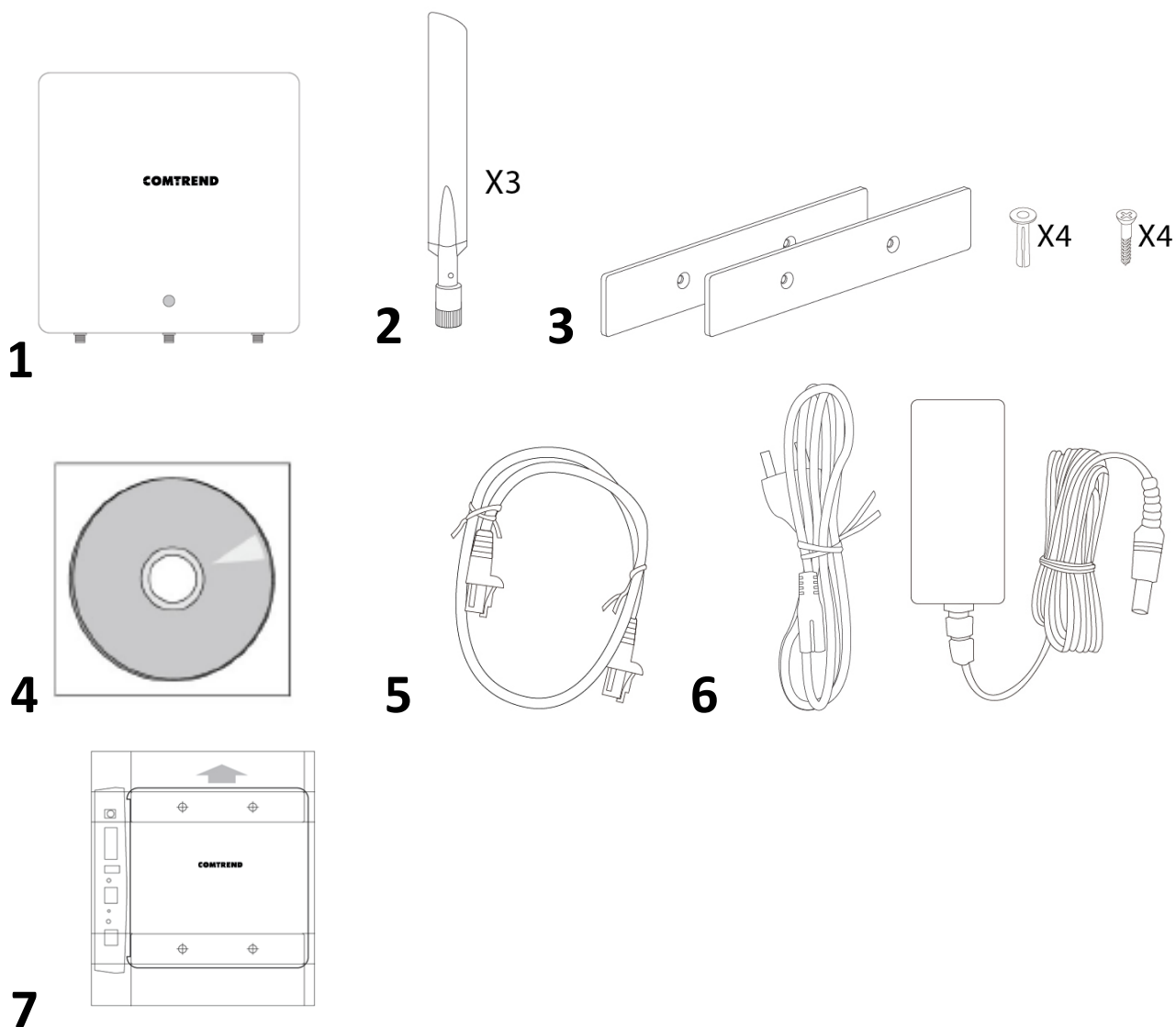
Version A2.1c, June 22, 2017





Product Information

I-1. Package Contents



1. WAP-PC1750W Access Point

2. Antennas x 3

3. Magnetic Wall Mount x 2 &
Screws

4. CD

5. Ethernet Cable

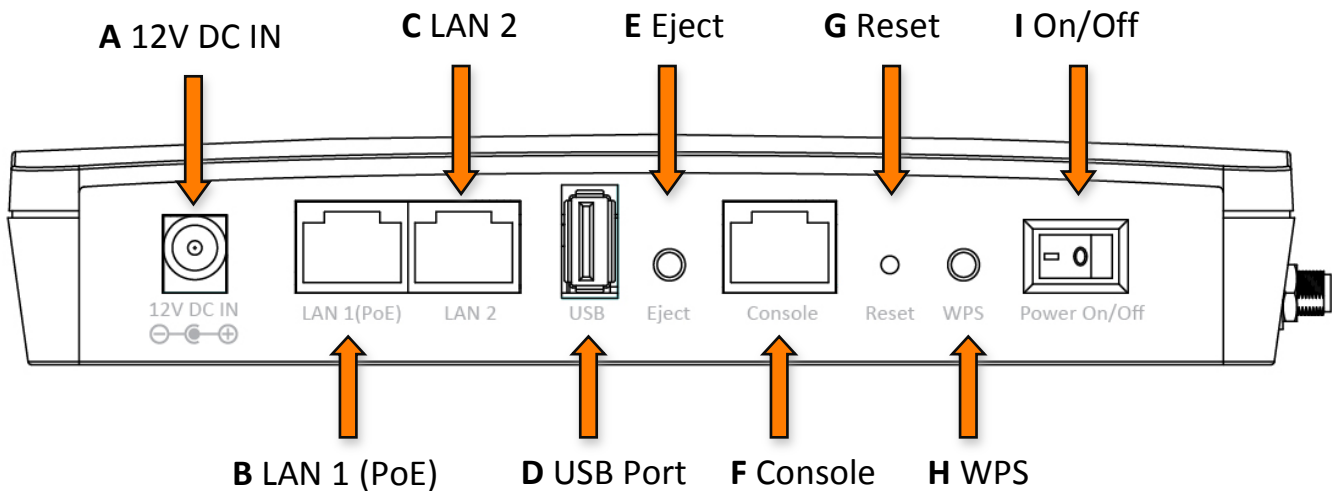
6. Power Adapter

7. Magnetic Wall Mount Screw
Template

I-2. System Requirements

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

I-3. Hardware Overview



- A.** 12V DC port to connect the power adapter
- B.** LAN port with Power over Ethernet (PoE PD, IN)
- C.** LAN port with Power over Ethernet (PoE PSE, OUT)
- D.** USB Port for system log
- E.** Eject an attached USB device
- F.** Connect a management console
- G.** Reset the access point to factory default settings
- H.** Wi-Fi Protected Setup (WPS) button
- I.** Switch the access point on/off

I-4. LED Status

LED Status	Description
Off	The access point is off.
Blue	The access point is on.
Purple	The access point is starting up.

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.



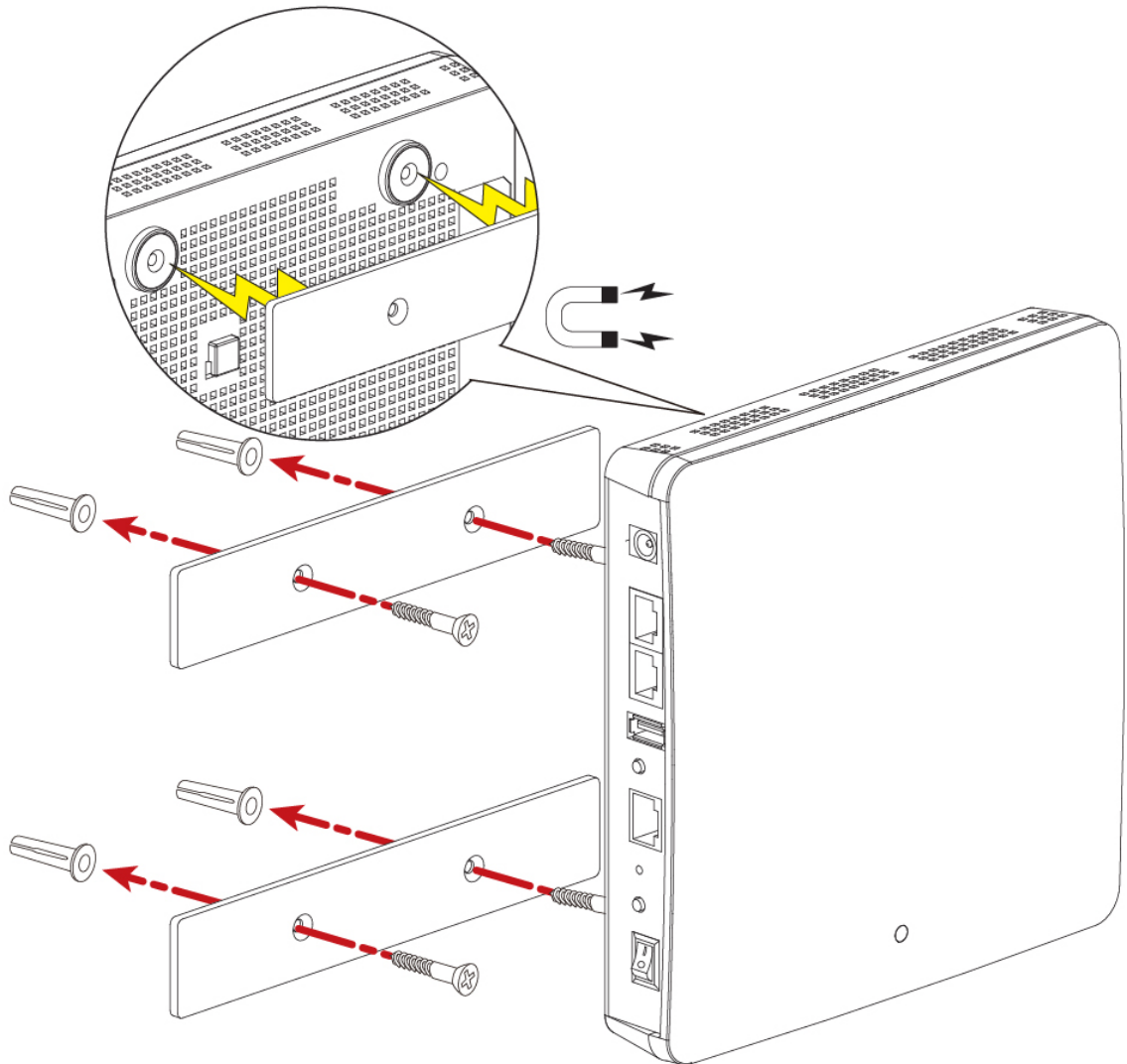
You may need to use a paperclip or pencil to push the reset button.

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

I-6. Magnetic Wall Mount

The access point includes a magnetic wall mount.

1. Attach the two magnetic wall mount strips to your wall using the included screws, as shown below.



2. Press the back of your access point firmly against the two wall mounted magnetic strips, with the access point orientated as displayed above.



Ensure your access point is securely attached to the magnetic strips.



Quick Setup

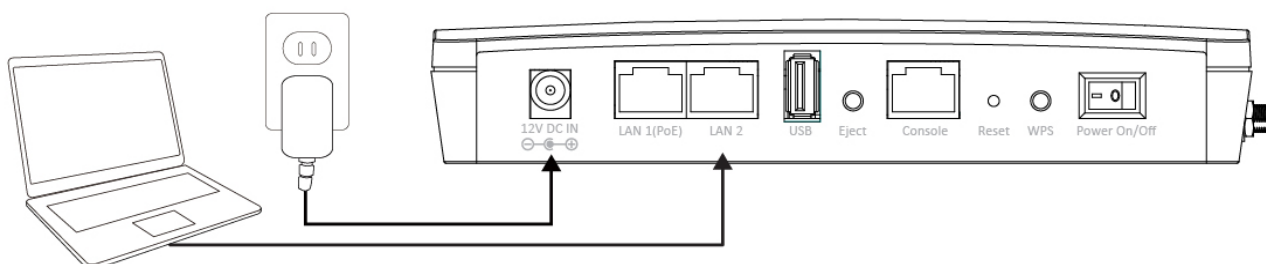
The WAP-PC1750W Access Point features a range of powerful functions:

- 802.11ac Dual-band Concurrent high speed wireless technology
- 16 SSIDs for Management
- PD/PSE to power an additional devices
- SNMP v1/v2c/v3
- Built-in beeper to find your device

Your access point can be up and running in just a few minutes. This quick installation guide will help to set up your access point and configure its basic settings. Please follow the instructions in the chapters below:

II-1. Initial Setup

1. Connect the access point to a computer via Ethernet cable.
2. Connect the power adapter to the access point's 12V DC port and plug the power adapter into a power supply using the included cable.



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

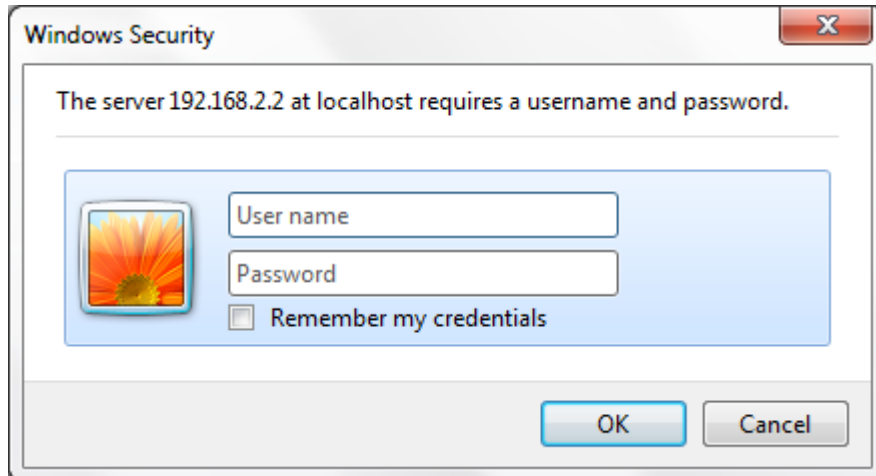


DHCP is enabled on the access point by default. If no DHCP Service is found, the access point will default to IP address 192.168.2.2

5. Enter the access point's default IP address **192.168.2.2** into the URL bar of a web browser.



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



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

The screenshot displays the Comtrend web management interface. The top navigation bar includes 'Home', 'Logout', and a language dropdown set to 'Global (English)'. The main menu has tabs for 'Information', 'Network Settings', 'Wireless Settings', 'Management', and 'Advanced'. The left sidebar shows a tree view with 'Information' selected, containing sub-items: 'System Information', 'Wireless Clients', 'Wireless Monitor', and 'Log'.

The main content area is titled 'System Information' and contains several sections:

- System**: A table showing device details.

Model	
Product Name	COMTREND-AP
Uptime	9 days 05:42:15
Boot from	Internal memory
Version	1.0.5
MAC Address	00:1D:20:FF:C8:71
Management VLAN ID	1
IP Address	192.168.0.2 <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**: A table showing port status.

Wired LAN Port	Status	VLAN Mode/ID
Wired Port (#1)	Connected (100 Mbps Full-Duplex)	Untagged Port / 1
Wired Port (#2)	Disconnected (---)	Untagged Port / 1
- Wireless 2.4GHz**: A table showing wireless settings.

Status	Enabled
MAC Address	00:1D:20:FF:C8:71
Channel	Ch 11 (Auto)
Transmit Power	100%
- Wireless 2.4GHz /SSID**: A table showing SSID configuration.

SSID	Authentication Method	Encryption Type	VLAN ID	Additional Authentication	Wireless Client Isolation
Comtrend-2.	WPA/WPA2-PSK	TKIP/AES Mixed	1	No additional	Disabled

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8. Next, please follow the instructions below in **II-2. Basic Settings** to configure the access point's basic settings.

II-2. Basic Settings

The instructions below will help you to 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 ▼ <input type="text"/>

DNS Servers	
Primary Address	From DHCP ▼ <input type="text"/>
Secondary Address	From DHCP ▼ <input type="text"/>

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.



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 Settings" > "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	Generic-1750i-75EF10_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 Settings” > “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	Generic-1750i-75EF10_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 Settings” > “5GHz 11ac 11an”** and repeat steps 3 & 4 for the access point’s 5GHz wireless network.
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 two main input fields: "Administrator Name" with the value "admin" and "Administrator Password" with masked characters. The password field has two sub-entries: one for the password (4-32 Characters) and another for confirmation (Confirm). An "Apply" button is located at the bottom left of the form.

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 Settings”**.

The screenshot shows a web interface titled "Date and Time Settings". It is divided into three sections: "Local Time", "NTP Time Server", and "Time Zone". The "Local Time" section has dropdown menus for Year (2012), Month (Jan), Day (1), Hours (0), Minutes (00), and Seconds (00). Below this is a button labeled "Acquire Current Time from Your PC". The "NTP Time Server" section has a "Use NTP" checkbox (unchecked), a "Server Name" input field, and an "Update Interval" dropdown set to "24" hours. The "Time Zone" section has a "Time Zone" dropdown menu currently set to "(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.

II-3. Wi-Fi Protected Setup (WPS)

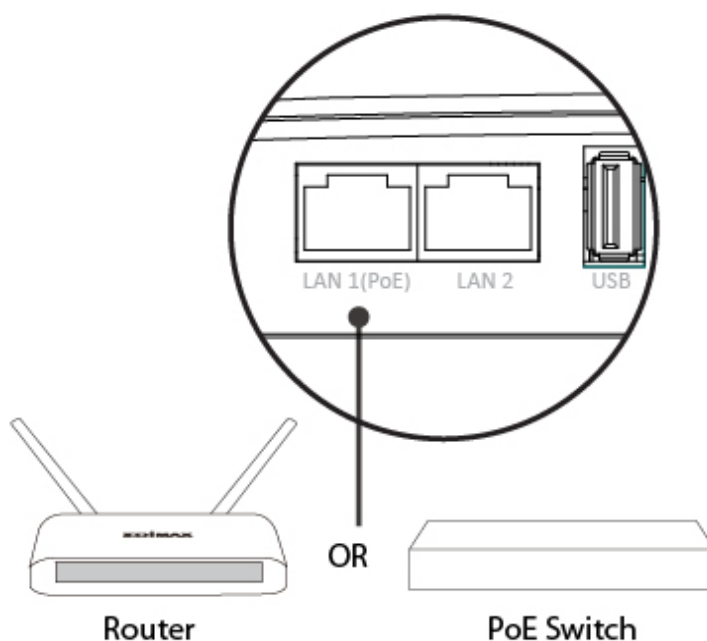
WiFi Protected Setup is a simple way to establish connections between WPS compatible devices. You can use the WPS button to establish a connection between the access point and a WPS-compatible wireless device/client.

- 1.** Press and hold the WPS button on the side of the access point for 2 seconds.
- 2.** Within two minutes, activate WPS on your WPS-compatible wireless device. Please check the documentation for your wireless device for information regarding its WPS function.
- 3.** The devices will establish a connection.



Hardware Installation

1. Connect a router or switch to the access point's **LAN 1** port using an Ethernet cable. If powering the access point by PoE, the PoE switches **must** be connected to the access point's **LAN 1** port.

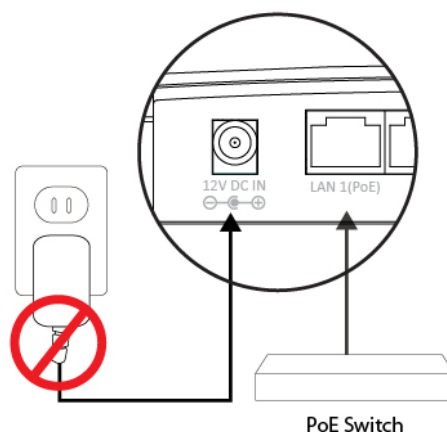


2. If you are not using a PoE switch, then connect the power adapter to the access point's 12V DC port and plug the power adapter into a power outlet.

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.



Do not use the power adapter if you are using a PoE switch.



4. (Optional) Connect a local network device to the access point's **LAN 2** port.



The access point's LAN 2 port can support PoE Power (IEEE 802.3af) if the access point is powered by the included 12v DC power adapter.

IV

Browser Based Configuration Interface

The browser-based configuration interface enables you to configure the access point's advanced features. The device features a range of advanced functions such as MAC filtering, MAC RADIUS authentication, VLAN configurations, up to 16 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**.
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 web-based configuration interface. The top navigation bar includes 'Home | Logout | Global (English)'. The main menu on the left lists 'Information', 'Network Settings', 'Wireless Settings', 'Management', and 'Advanced'. The 'Information' section is expanded, showing 'System Information', 'Wireless Clients', 'Wireless Monitor', and 'Log'. The 'System Information' page displays the following details:

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Product Name	COMTREND-AP
Uptime	9 days 05:42:15
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Version	1.0.5
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Management VLAN ID	1
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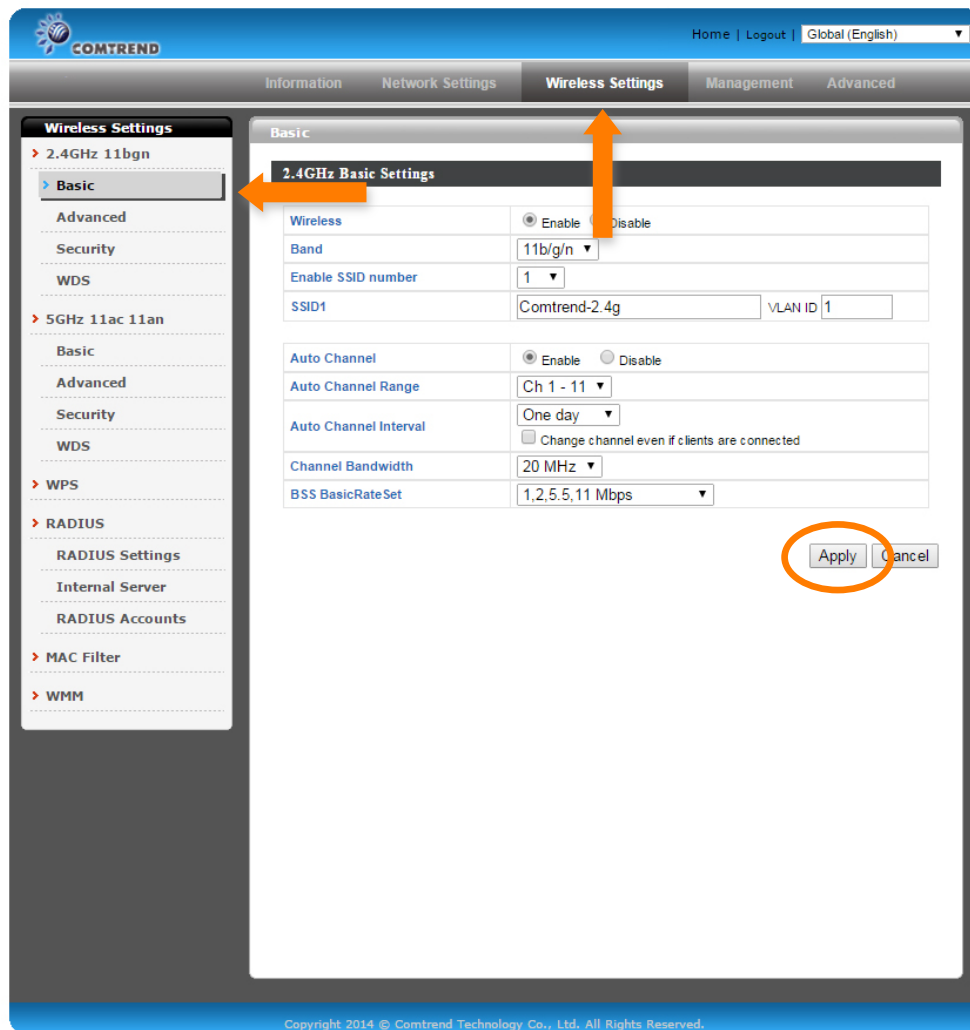
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Wired LAN Port	Status	VLAN Mode/ID
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Wireless 2.4GHz /SSID					
SSID	Authentication Method	Encryption Type	VLAN ID	Additional Authentication	Wireless Client Isolation
Comtrend-2	WPA/WPA2-PSK	TKIP/AES Mixed	1	No additional	Disabled

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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.



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



Your device is now connected!

FOR MORE HELP: For instructions on advanced features, FAQ, etc., please visit our product online at:

<http://us.comtrend.com>

For more information:

YouTube Channel:

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

Facebook:

<https://facebook.com/Comtrend>

Support:

Visit our website or call 1-877-COMTREND
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