COMTREND

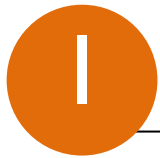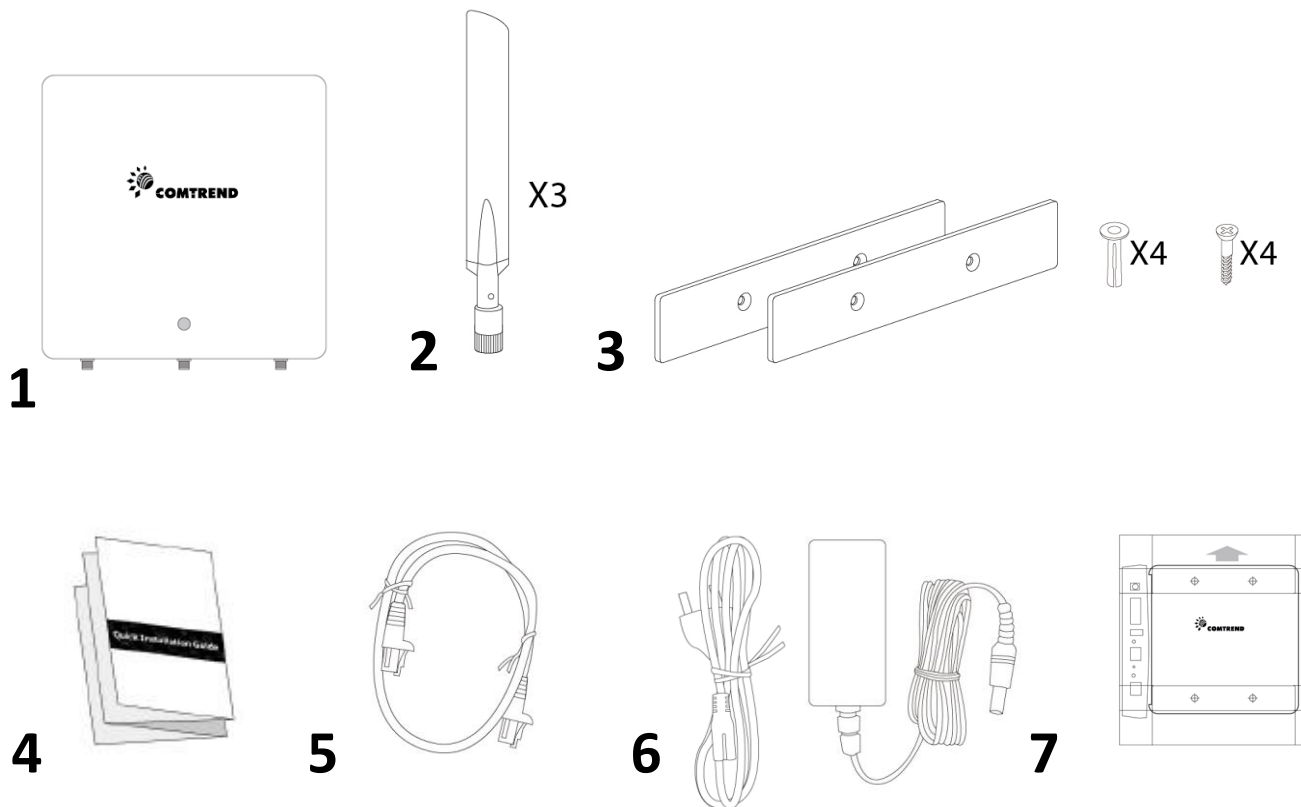# Quick Installation Guide

WAP-EN1750W | AC1750 Wireless Access Point

Ⅰ Product Information

I-1. Package Contents

1. WAP-EN1750W Access Point

2. Antennas x 3

3. Magnetic Wall Mount x 2 & Screws

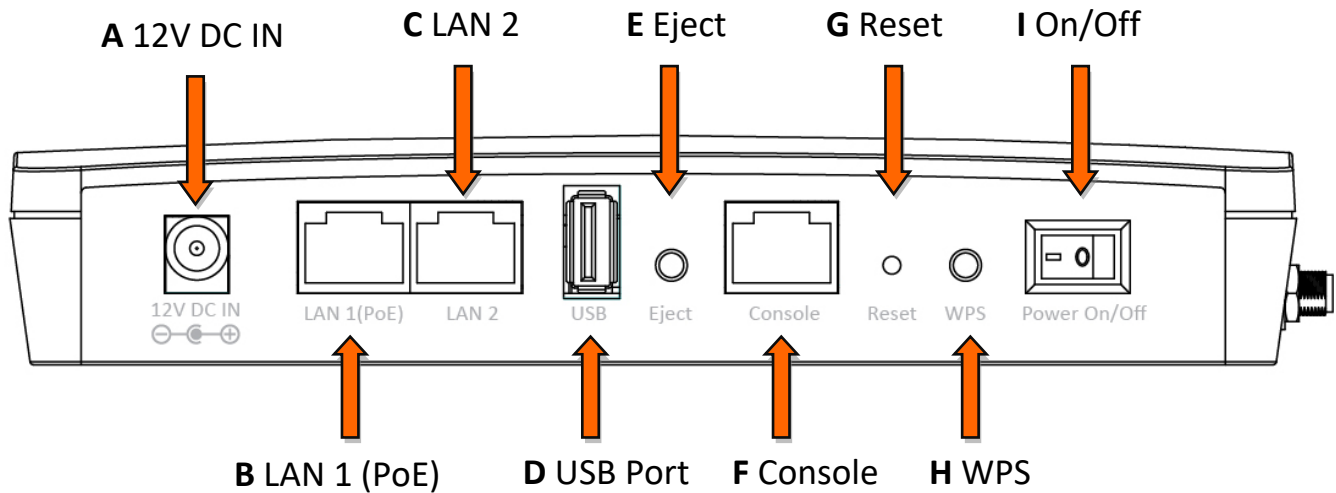**4.** Quick Installation Guide

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.
Amber	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
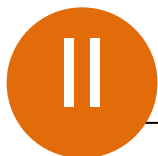
The access point includes a magnetic wall mount.

1. Attach the two magnetic wall mount strips to your wall using the included screws, as shown below.
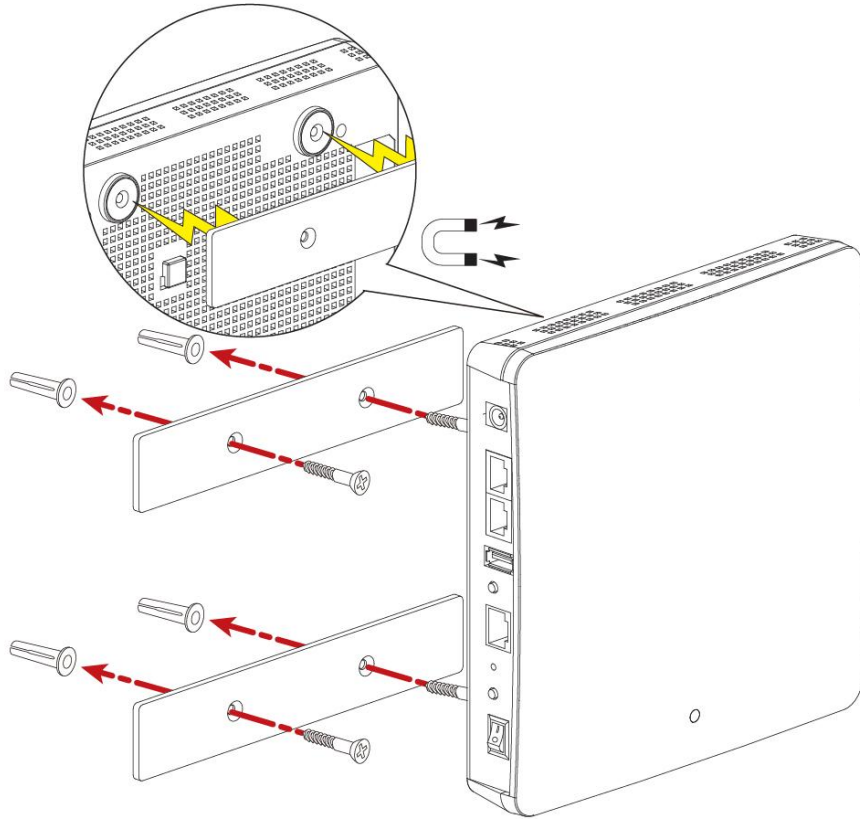
2. Press the back of your access point firmly against the two wall mounted magnetic strips, with the access point orientated as displayed above.

> ⚠ *Ensure your access point is securely attached to the magnetic strips*

The WAP-EN1750W 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.
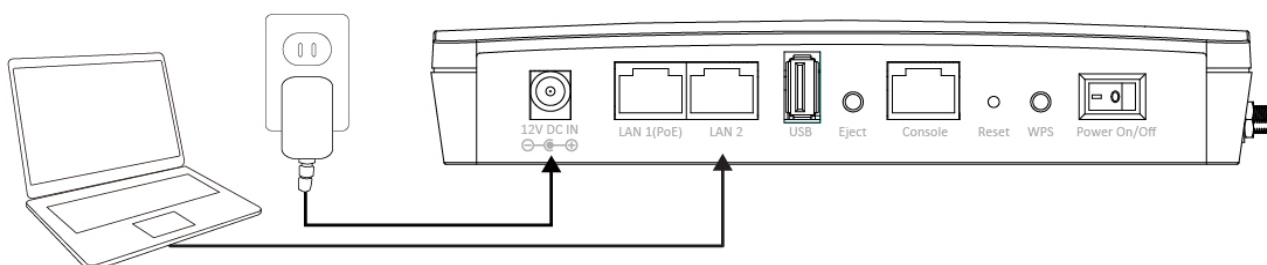
3. Please wait a moment for the access point to start up. The access point is ready when the LED is **BLUE**.

4. Set your computer's IP address to **192.168.2.x** where **x** is a number in the range **3 – 100**.
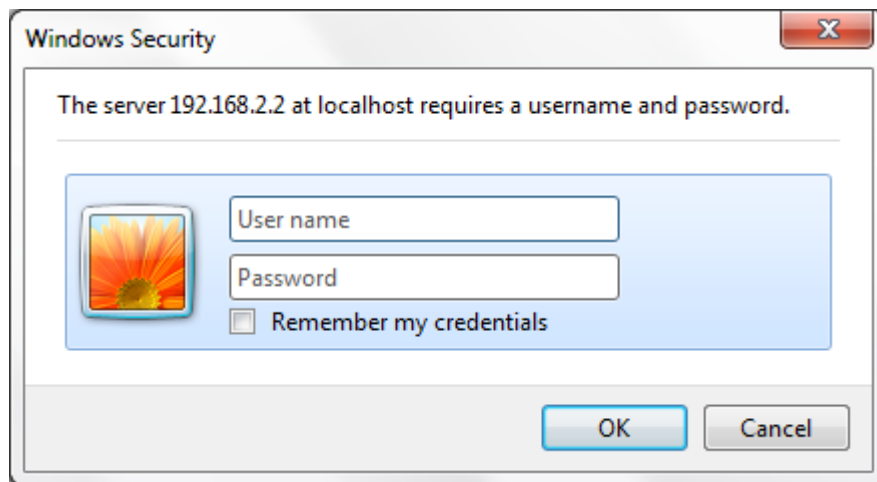
> *Please ensure there are no other active network connections on your computer (disconnect Wi-Fi connections and Ethernet cables).*

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.

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 ▾

DNS Servers	
Primary Address	From DHCP ▾
Secondary Address	From DHCP ▾

Apply

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	◉ Enable ○ Disable
Band	11b/g/n ▾
Enable SSID number	1 ▾
SSID1	Generic-1750i-75EF10_G VLAN ID 1
Auto Channel	◉ Enable ○ Disable
Auto Channel Range	Ch 1 - 11 ▾
Auto Channel Interval	One day ▾ ☐ Change channel even if clients are connected
Channel Bandwidth	Auto ▾
BSS BasicRate Set	1,2,5.5,11 Mbps ▾

[Apply] [Cancel]

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 ▾

[Apply] [Cancel]

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"**.

Account to Manage This Device		
Administrator Name	admin	
Administrator Password	•••••	(4-32 Characters)
	•••••	(Confirm)

Apply

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"**.

Date and Time Settings	
Local Time	2012 ▼ Year Jan ▼ Month 1 ▼ Day
	0 ▼ Hours 00 ▼ Minutes 00 ▼ Seconds

Acquire Current Time from Your PC

NTP Time Server	
Use NTP	☐ Enable
Server Name	
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.

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

Wi-Fi 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.

III 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.
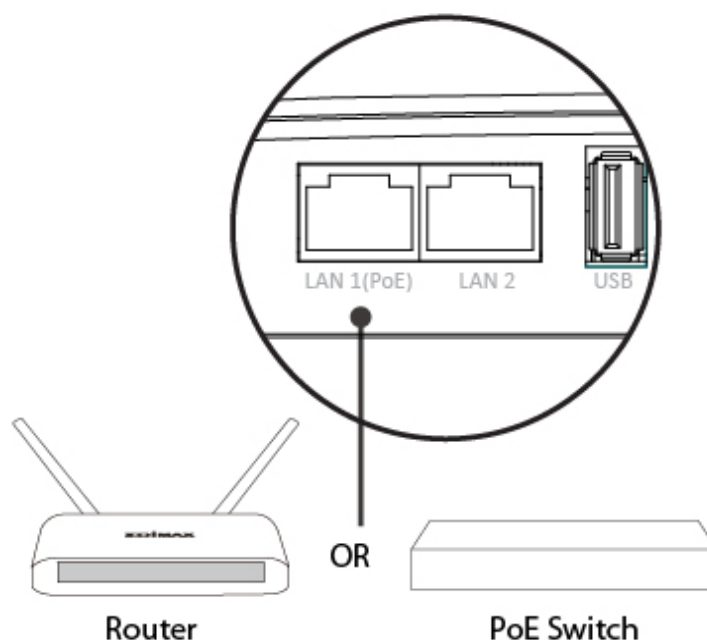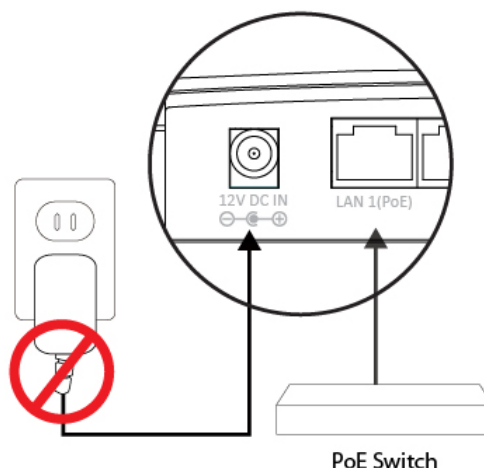

2. If you are not using a PoE switch, then connect the power adapter to the access point's 12V DC port and plug the power adapter into a power outlet.

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.

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.

V 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-EN1750W 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

COMTREND

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 Wireless Access Point**
Model Name: **WAP-EN1750W**
Brand Name: **COMTREND**

FC

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.

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.