

CAP1750

Quick Installation Guide

05-2021 / v1.3

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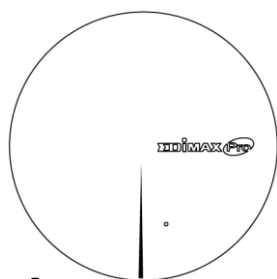
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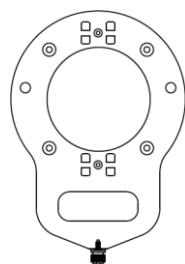
Email: support@edimax.us

I. Product Information

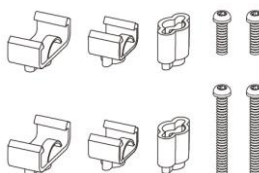
I-1. Package Contents



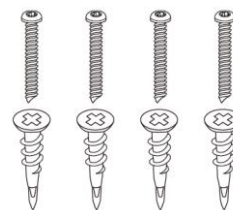
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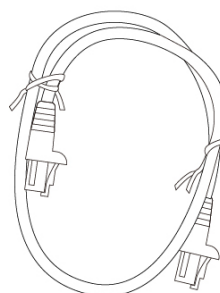
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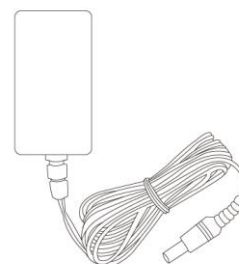
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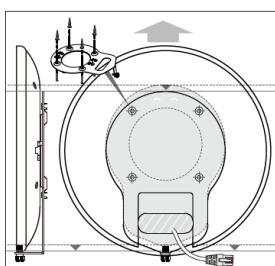
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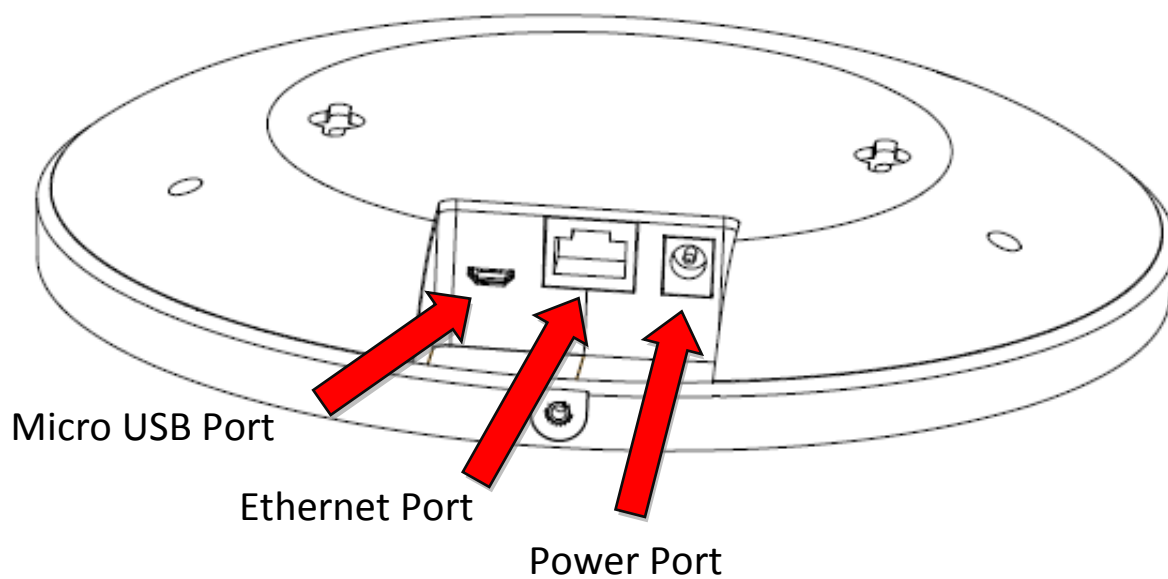
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|---|--|
| 1. CAP1750 Access Point | 6. Quick Installation Guide |
| 2. Ceiling Mount Bracket | 7. Ethernet Cable |
| 3. T-Rail Mounting Kit & Screws | 8. Power Adapter |
| 4. Ceiling Mounting Kit & Screws | 9. Ceiling Mount Screw Template |
| 5. CD | |

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	Upgrading firmware.
	Short Flashing	Resetting to factory defaults.
Amber	On	Starting up.
	Flashing	Error.
Off	Off	The access point is off.

I-5. Reset



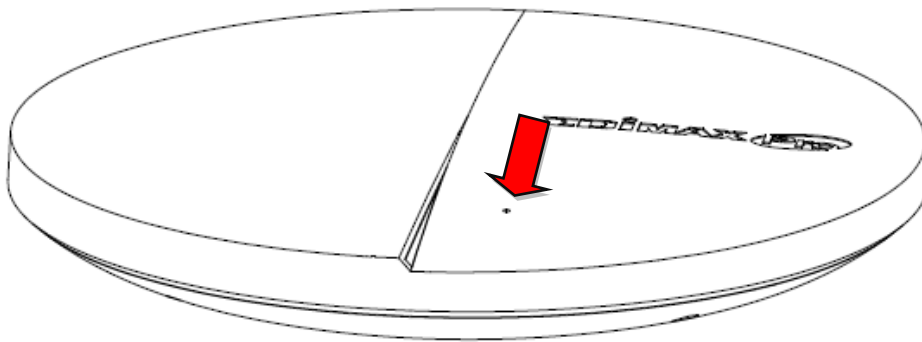
This device requires professional installation

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.



You may need to use a pin or similar sharp object to push the reset button.



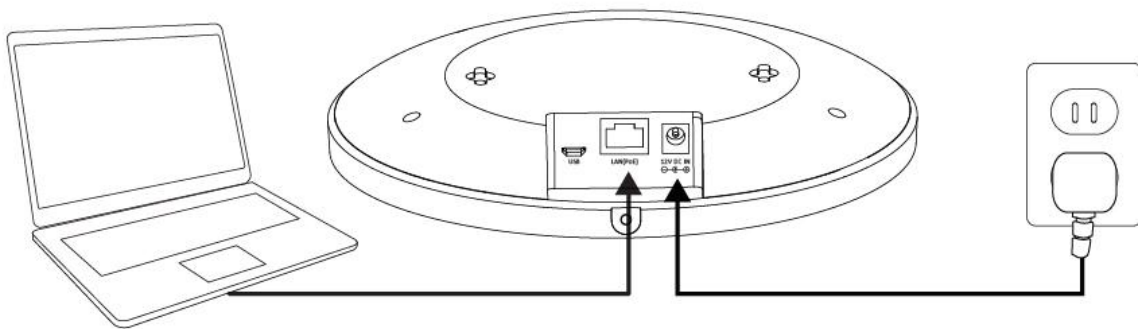
2. Wait for the access point to restart. The access point is ready for setup when the LED is **blue**.

II. Quick Setup

Your access point can be up and running in just a few minutes. It can function as a standalone access point (AP mode) or as part of an AP array (Managed AP mode or AP Controller mode). This quick installation guide will help to set up your access point and configure its basic settings.

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**. If you are unsure how to do this, please refer to the user manual for more information.

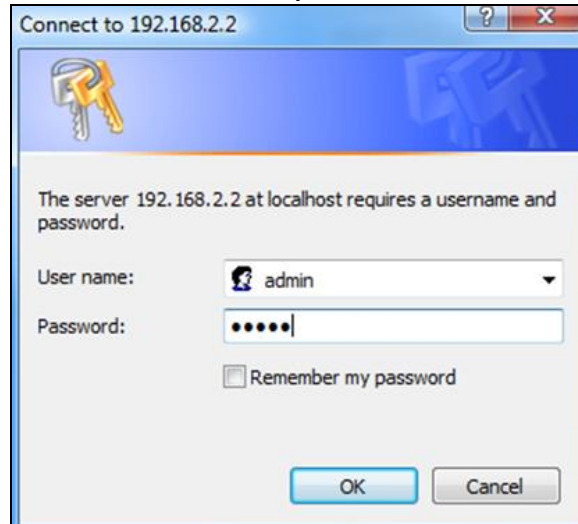


Please ensure there are no other active network connections on your computer (disconnect Wi-Fi connections and Ethernet cables).

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 username and password. Enter the default username “admin” and the default password “1234”.

A Windows-style dialog box titled "Connect to 192.168.2.2". It features a blue header with a key icon. The main text says "The server 192.168.2.2 at localhost requires a username and password." Below this are two input fields: "User name:" with a dropdown menu showing "admin", and "Password:" with a masked input field containing five dots. There is a checkbox labeled "Remember my password" which is unchecked. At the bottom are "OK" and "Cancel" buttons.

Connect to 192.168.2.2

The server 192.168.2.2 at localhost requires a username and password.

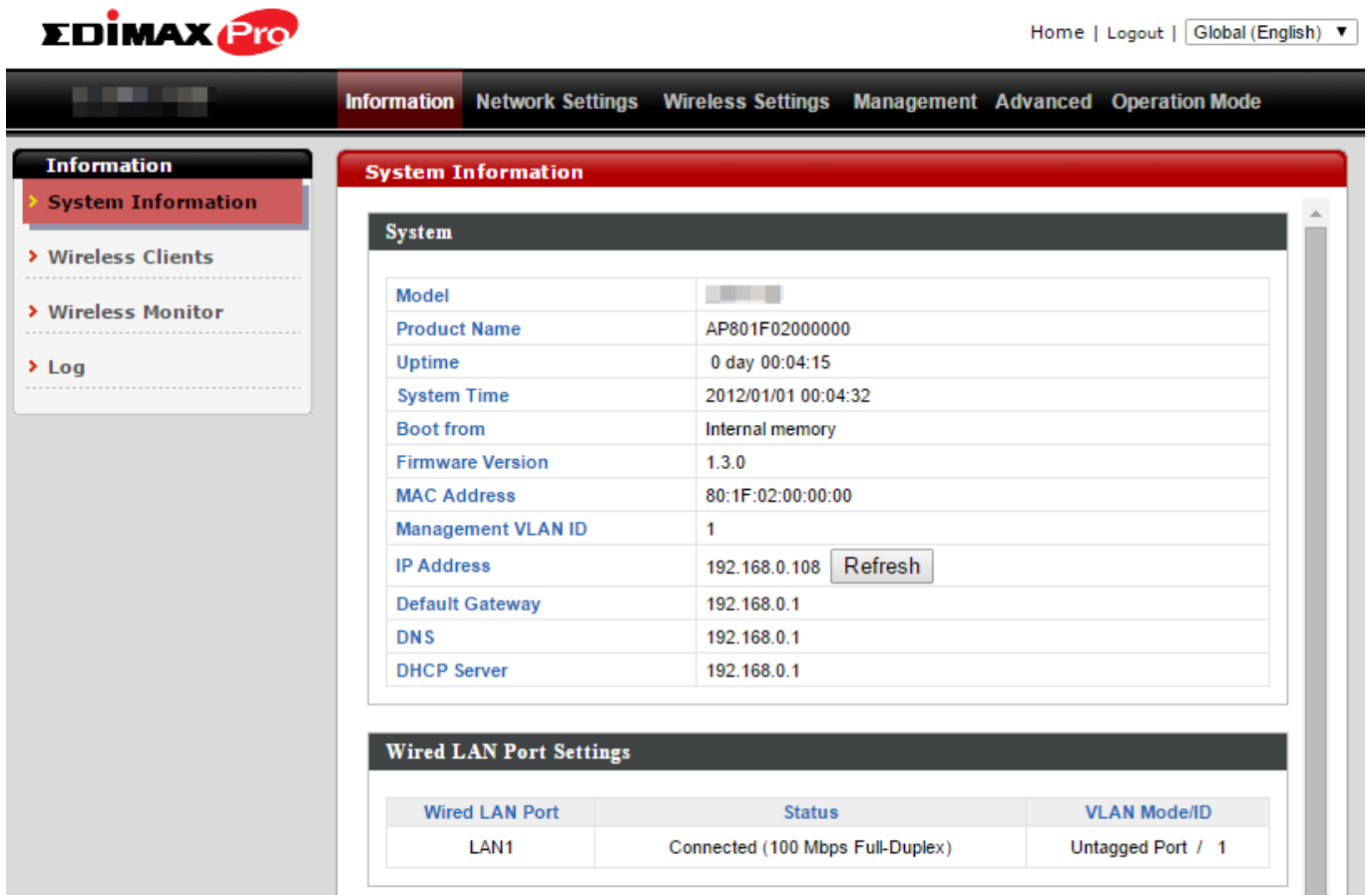
User name: admin

Password:

☐ Remember my password

OK Cancel

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

The screenshot shows the Edimax Pro web interface. At the top is the "EDIMAX Pro" logo and navigation links: Home, Logout, and Global (English). Below is a black navigation bar with tabs: Information, Network Settings, Wireless Settings, Management, Advanced, and Operation Mode. The "Information" tab is selected, and a sidebar on the left shows a menu with "System Information" (highlighted), "Wireless Clients", "Wireless Monitor", and "Log". The main content area is titled "System Information" and contains two sections. The "System" section is a table with various system parameters. The "Wired LAN Port Settings" section is a table showing the status of LAN ports.

EDIMAX Pro

Home | Logout | Global (English)

Information Network Settings Wireless Settings Management Advanced Operation Mode

Information

- System Information
- Wireless Clients
- Wireless Monitor
- Log

System Information

System

Model	
Product Name	AP801F02000000
Uptime	0 day 00:04:15
System Time	2012/01/01 00:04:32
Boot from	Internal memory
Firmware Version	1.3.0
MAC Address	80:1F:02:00:00:00
Management VLAN ID	1
IP Address	192.168.0.108 Refresh
Default Gateway	192.168.0.1
DNS	192.168.0.1
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. Please follow the instructions below in **II-2. Basic Settings** to configure the access point’s basic settings for use as a standalone AP in AP mode. For use a Managed AP in an AP array, the access point will automatically switch mode when an AP Controller is configured as described in **III. Edimax Pro NMS**.

To use the AP as an AP Controller (master) in an AP array, refer to **III. Edimax Pro NMS**.

II-2. AP Mode: 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 ▼
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.



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	☐ Enable ☒ Disable
Band	11b/g/n ▼
Enable SSID number	1 ▼
SSID1	3071F6_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 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	3071F6_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"**.

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**”.

The screenshot displays three configuration sections from a web interface. The first section, titled "Date and Time Settings", includes a "Local Time" label and two rows of dropdown menus for selecting the date and time (Year, Month, Day, Hours, Minutes, Seconds). Below this is a button labeled "Acquire Current Time from Your PC". The second section, titled "NTP Time Server", contains three rows: "Use NTP" with an "Enable" checkbox, "Server Name" with an empty text input field, and "Update Interval" with a "24" value and "hours" unit. The third section, titled "Time Zone", features a "Time Zone" label and a dropdown menu currently showing "(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.



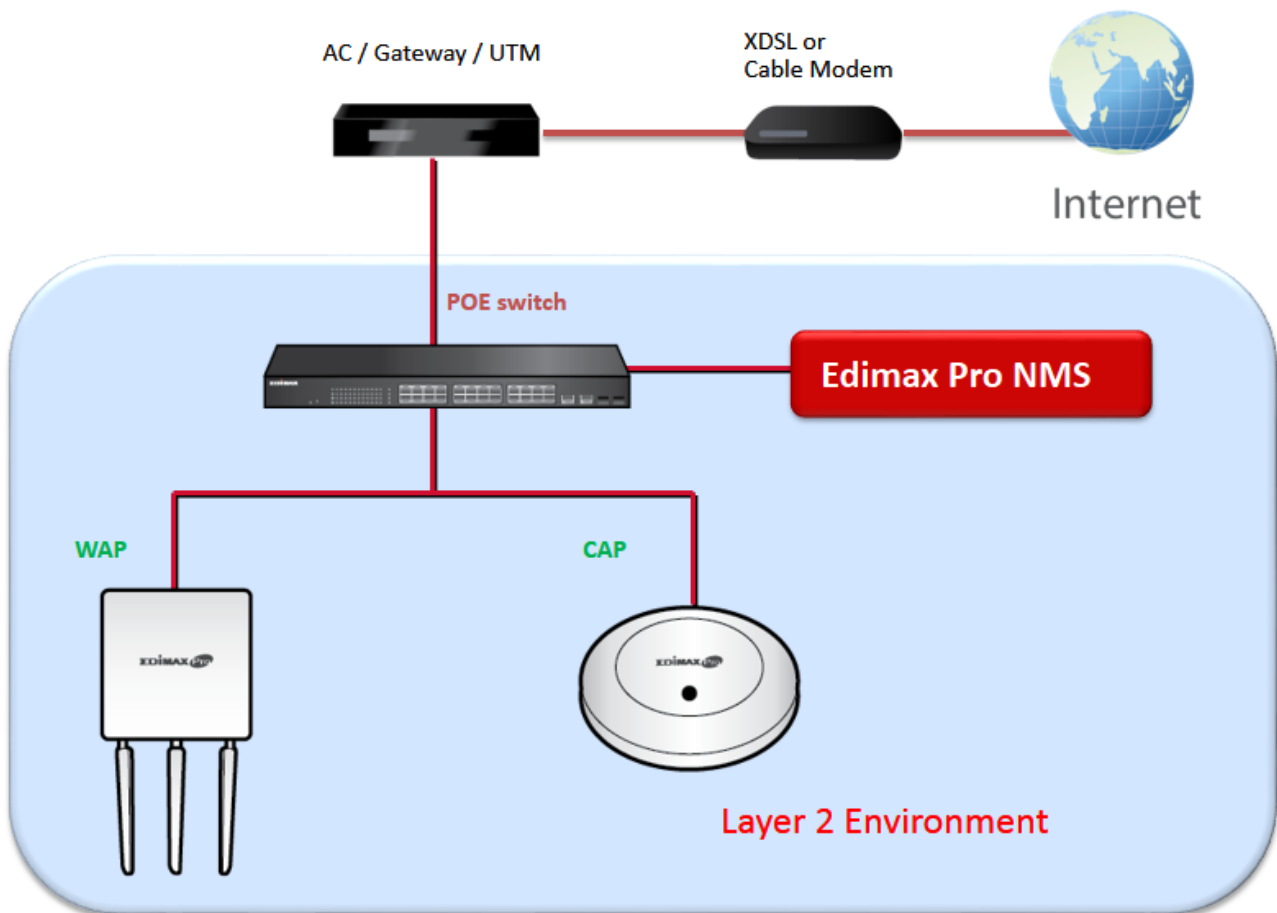
You can use the “Acquire Current Time from your PC” button if you wish to set the access point to the same time as your PC.

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

III. Edimax Pro NMS

Edimax Pro Network Management Suite (NMS) supports the central management of a group of access points, otherwise known as an AP Array. NMS can be installed on one access point and support up to 8 Edimax Pro access points with no additional wireless controller required, reducing costs and facilitating efficient remote AP management.

Edimax Pro NMS is simple to setup. An overview of the system is shown below:



One AP (access point) is designated as the AP Controller (master) and other connected Edimax Pro APs are automatically designated as Managed APs (slaves). Using Edimax Pro NMS you can monitor, configure and manage all Managed APs (up to 8) from the single AP Controller.

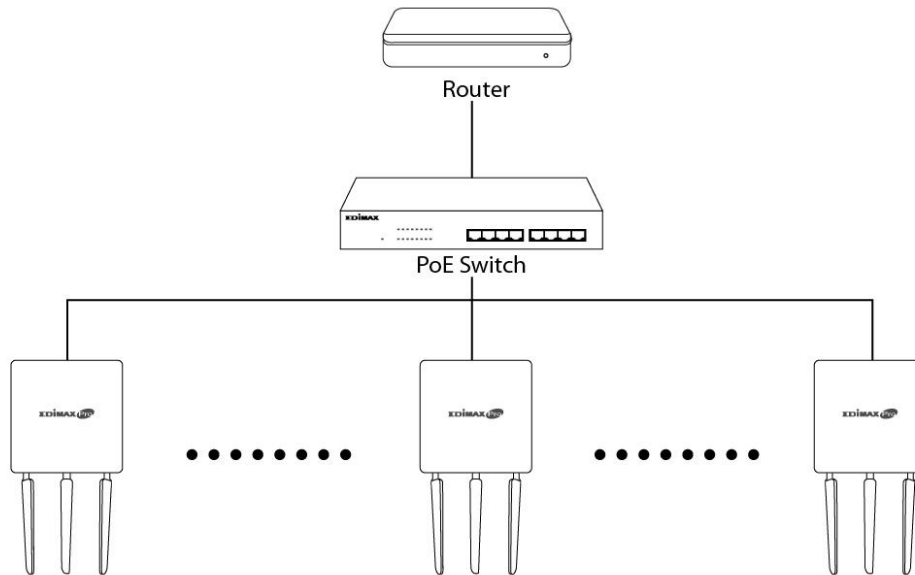


Ensure you have the latest firmware from the Edimax website for your Edimax Pro products.

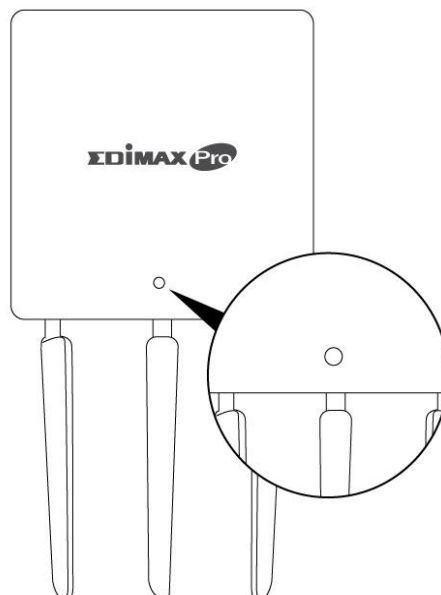
1. Connect all APs to an Ethernet or PoE switch which is connected to a gateway/router.



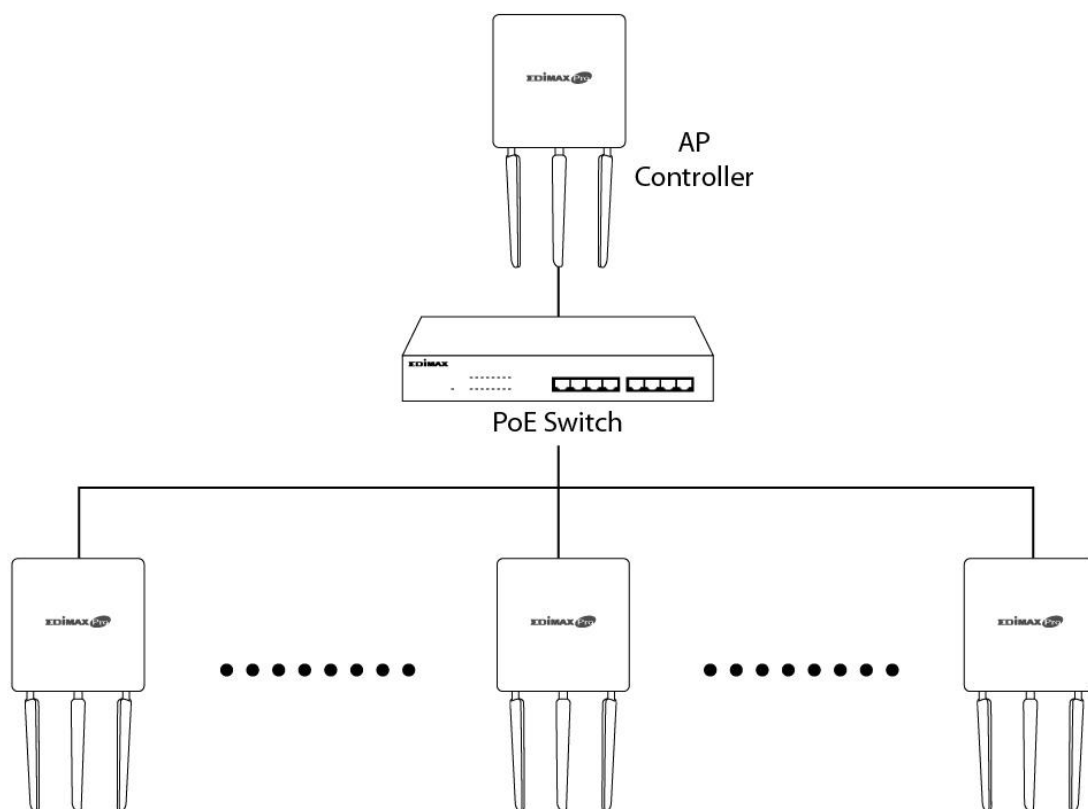
You can use your router as a DHCP server or you can later configure your AP Controller as a DHCP server.



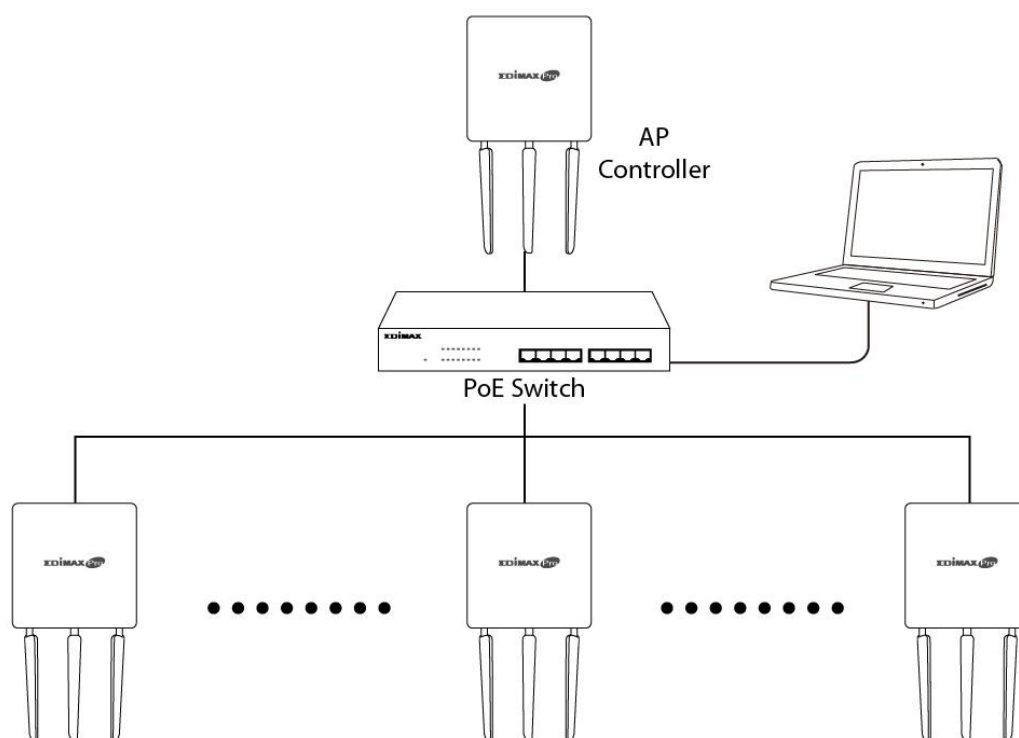
2. Ensure all APs are powered on and check LEDs.



- 3.** Designate one AP as the AP Controller which will manage all other connected APs (up to 8).



- 4.** Connect a computer to the designated AP Controller using an Ethernet cable.



5. Open a web browser and enter the AP Controller's IP address in the address field. The default IP address is **192.168.2.2**

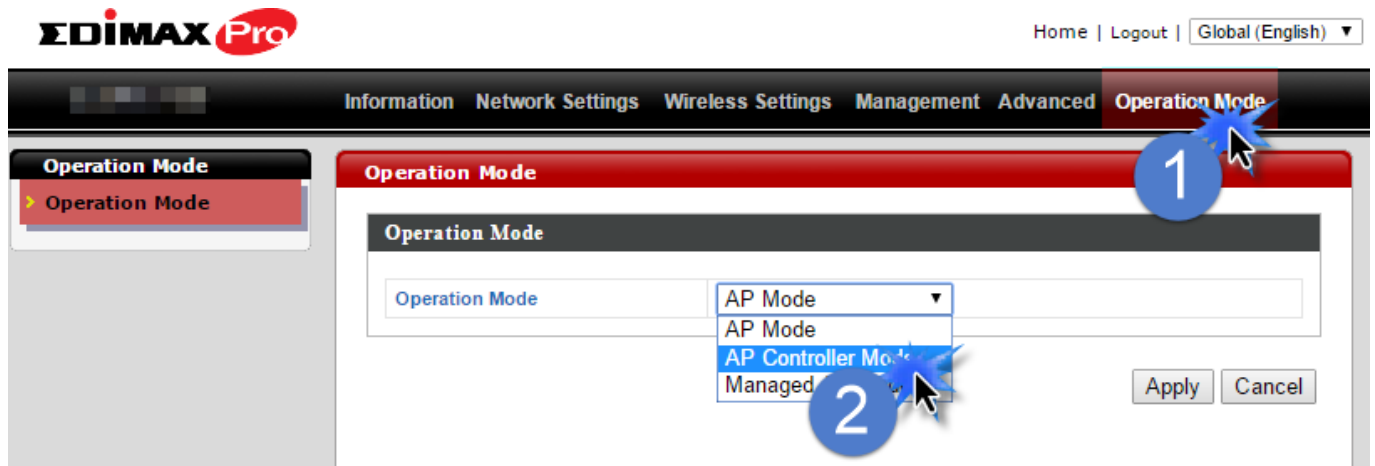


Your computer's IP address must be in the same subnet as the AP Controller. Refer to the user manual for more help.

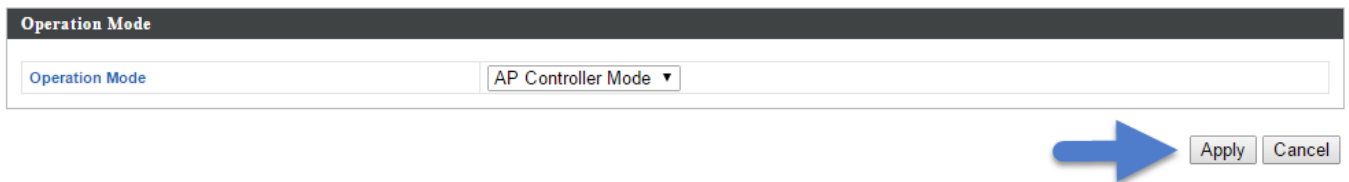


If you changed the AP Controller's IP address, or if your gateway/router uses a DHCP server, ensure you enter the correct IP address. Refer to your gateway/router's settings.

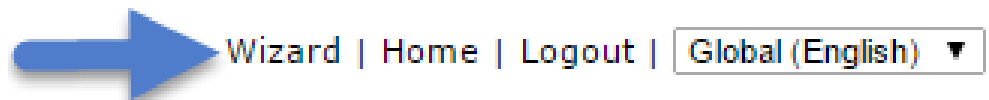
6. Enter the username & password to login. The default username & password are **admin** & **1234**.
7. You will arrive at the Edimax Pro NMS Dashboard. Go to **“Operation Mode”** and select **“AP Controller Mode”** from the drop down menu.



8. Click “Apply” to save the settings.



9. Edimax Pro NMS includes a wizard to quickly setup the SSID & security for Managed APs. Click “Wizard” in the top right corner to begin.



10. Follow the instructions complete **Steps 1 - 6** and click “**Finish**” to save the settings. The wizard will help you set up LAN IP address, 2.4GHz & 5GHz SSID and security, administrator name & password, time & date settings and Managed APs.

1

Before start, please power on the managed APs and plug into the same Ethernet network with this AP Controller.

This Setup Wizard will guide you through a basic procedure to configure AP Controller system.

Next >> Cancel

2

Configure IP Address

IP Address Assignment: Static IP Address

IP Address: 192.168.8.37

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.8.1

Primary DNS Address: 8.8.8.8

Secondary DNS Address: 168.95.1.1

<< Back Next >> Cancel

3

Time Settings

Local Time: 2015 Year Nov Month 5 Day 14 Hours 26 Minutes 14 Seconds

Acquire Current Time from Your PC

NTP Time Server

Use NTP: ☒ Enable

Server Name: User-Defined tick.stdtime.gov.tw

Update Interval: 24 (Hours)

Time Zone

Time Zone: (GMT+08:00) Beijing, Hong Kong

<< Back Next >> Cancel

4

Manage This Device

Administrator Name: admin

Administrator Password: ***** (4-32 Characters)

Administrator Password: ***** (Confirm)

<< Back Next >> Cancel

5

Managed AP(s)

Search: Match whole words

MAC Address	Device Name	Model	IP Address	Status
☒ 74-DA-38-3E-79-10	AP74DA383E7910	CAP1200	192.168.8.102	☐
☒ 74-DA-38-3E-78-C0	AP74DA383E78C0	CAP1200	192.168.8.100	☐
☐ 74-DA-38-40-E0-E4		CAP1200		☐
☐ 74-DA-38-30-71-D8		CAP300		☐
☐ 74-DA-38-3E-7B-E6		CAP1200		☐
☐ 74-DA-38-06-E1-AA		WAP1750		☐
☐ 80-1F-02-F1-95-D2		WAP1200		☐

Rescan << Back Next >> Cancel

6

Settings

SSID: Edimax 2.4GHz

Security Key: 12345678

Guest Network: ☒ Enable ☐ Disable

Guest SSID: Guest 2.4GHz

Security Key: 12345678

5GHz Settings

Clone 2.4GHz Settings

SSID: Edimax 5GHz

Security Key: 12345678

Guest Network: ☒ Enable ☐ Disable

Guest SSID: Guest 5GHz

Security Key: 12345678

<< Back Next >> Cancel

7 **Configuration**

Management IP

IP Address Assignment: Static IP Address
 IP Address: 192.168.2.1

Date and Time

Local Time: 2015/11/06 16:28:17
 Time Zone: (GMT+08:00) Taipei, Taiwan

Administrator Account

Administrator Name: admin

Managed AP(s)

MAC Address	Device Name	Model	IP Address	Status
74:DA:38:27:1B:54	AP74DA38271B54	CAP1200	192.168.2.124	
74:DA:38:03:23:9C	AP74DA3803239C	WAP1750	192.168.2.102	

2.4GHz Settings

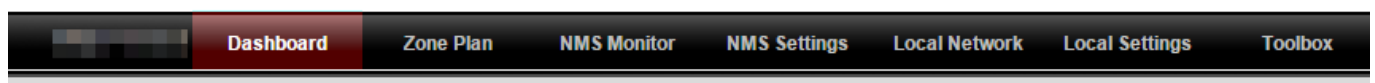
SSID: Edimax 2.4GHz
 Security Key: 12345678

Guest Network



If any of your Managed APs are not found during Step 5 Select Free APs, reset the Managed AP to its factory default settings. Refer to the AP's user manual for help.

- 11.** Your Controller AP & Managed APs should be fully functional. Use the top menu to navigate around Edimax Pro NMS.



Use ***Dashboard, Zone Plan, NMS Monitor & NMS Settings*** to configure Managed APs.

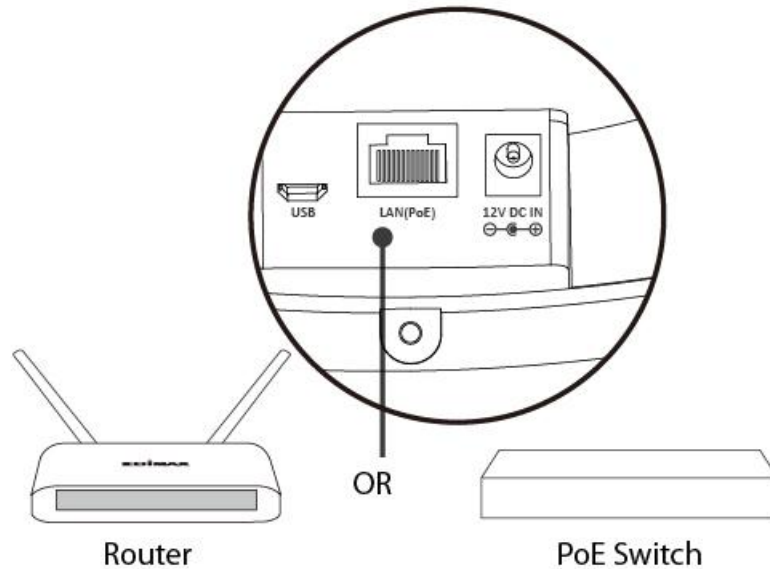
Use ***Local Network & Local Settings*** to configure your Controller AP.



Refer to the user manual for more information.

IV. Hardware Installation

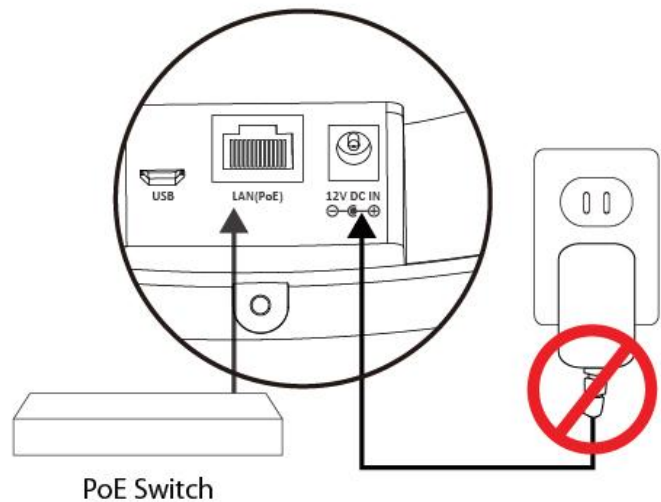
1. Connect a router or PoE switch to the access point's **LAN** port using an Ethernet cable.



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.



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



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	AT	BE	BG	HR	CY	CZ	DK	
	EE	FI	FR	DE	EL	HU	IE	
	IT	LV	LT	LU	MT	NL	PL	
	PT	RO	SK	SI	ES	SE	UK	UK(NI)

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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:

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

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate equipment.

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.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device is restricted to indoor use.

Federal Radiation Exposure Statement

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body or nearby persons.

This device is restricted to indoor use.

RED Compliance Statement

Compliance with 2014/53/EU Radio Equipment Directive (RED)

In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmit power of the product for sale in the EU:

Frequency range (MHz)	Max. transmit power (dBm)
2400-2483.5	19.93 dBm
5150-5250	22.88 dBm

A simplified DoC shall be provided as follows: Article 10(9)

Hereby, Edimax Technology Co., Ltd. declares that the radio equipment type **AC1750 Ceiling Mount AP** is in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity is available at the following internet address: <http://www.edimax.com/edimax/global/>

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

None

EU Declaration of Conformity

- English:** This equipment is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU, 2014/35/EU.
- Français:** Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 2014/53/EU, 2014/35/EU.
- Čeština:** Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 2014/53/EU, 2014/35/EU.
- Polski:** Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 2014/53/EU, 2014/35/EU.
- Română:** Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 2014/53/UE, 2014/35/UE.
- Русский:** Это оборудование соответствует основным требованиям и положениям Директивы 2014/53/EU, 2014/35/EU.
- Magyar:** Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (2014/53/EU, 2014/35/EU).
- Türkçe:** Bu cihaz 2014/53/EU, 2014/35/EU direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
- Українська:** Обладнання відповідає вимогам і умовам директиви 2014/53/EU, 2014/35/EU.
- Slovenčina:** Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 2014/53/EU, 2014/35/EU.
- Deutsch:** Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 2014/53/EU, 2014/35/EU.
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FOR USE IN

AT	BE	BG	CZ	DK	DE
EE	IE	EL	ES	FR	HR
IT	CY	LV	LT		
LU	HU	MT	NL	PL	PT
RO	SI	SK	FI		
SE	UK	UK(NI)	TR	IS	LI
NO	CH	RU	UA		



WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European Radio Equipment Directive.

Equipment: AC1750 Ceiling Mount AP
Model No.: CAP1750

The following European standards for essential requirements have been followed:

Directives 2014/53/EU

Spectrum : EN 300 328 V2.1.1 (2016-11)
EN 301 893 V2.1.1 (2017-05)
EMC : Draft EN 301 489-1 V2.2.0 (2017-03)
Draft EN 301 489-17 V3.2.0 (2017-03)
EMF : EN 62311:2008
Safety (LVD) : IEC 62368-1:2014 (2nd Edition) and/or EN 62368-1:2014+A11:2017

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Printed Name: David Huang
Title: Director
Edimax Technology Europe B.V.

a company of:
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No. 278, Xinhua 1st Rd.,
Neihu Dist., Taipei City,
Taiwan



Date of Signature: Nov., 2020

Signature:

A handwritten signature in black ink, appearing to read 'Albert Chang', written over a horizontal line.

Printed Name:

Albert Chang

Title:

Director

Edimax Technology Co., Ltd.

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