



## UAP-AC-PRO Quick Start Guide

## Package Contents



UniFi AP AC Pro



Mounting Bracket



Ceiling Backing Plate



Flat Head Screws (Qty. 4)



Keps Nuts (Qty. 4)



Screws (Qty. 4)



Screw Anchors (Qty. 4)



Cable Feed Plug

Gigabit PoE\* (48V, 0.3A) with  
Mount Bracket



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\* Included only in the single-pack of the UAP-AC-PRO

## Installation Requirements

- Phillips screwdriver
- Drill and drill bit (6 mm for wall-mounting or 3 mm for ceiling-mounting)
- Optional: Drywall or keyhole saw (to cut 18 mm hole for Ethernet cable feed)
- Cat5/6 UTP cable for indoor installations



**IMPORTANT:** The UAP-AC-PRO requires the UniFi Network Application v5.4 or higher, available at: [ui.com/download/unifi](https://ui.com/download/unifi)

## Outdoor Installation Requirements



**IMPORTANT:** The UAP-AC-PRO may be installed outdoors under an eave or other protected location. Do not install the UniFi AP in an open environment.

- Mounting location should be at least 60 cm (2 ft) from the edge of the eave or ceiling.
- Cable feed opening must be directed away from the open environment.
- Cable feed must be pointed downwards when wall-mounted.
- Shielded Category 5 (or above) cabling with drain wire should be used for all outdoor wired Ethernet connections and should be grounded through the AC ground of the PoE.

We recommend that you protect your networks from harmful outdoor environments and destructive ESD events with industrial-grade, shielded Ethernet cable from Ubiquiti. For more details, visit [ui.com/toughcable](https://ui.com/toughcable)

## System Requirements

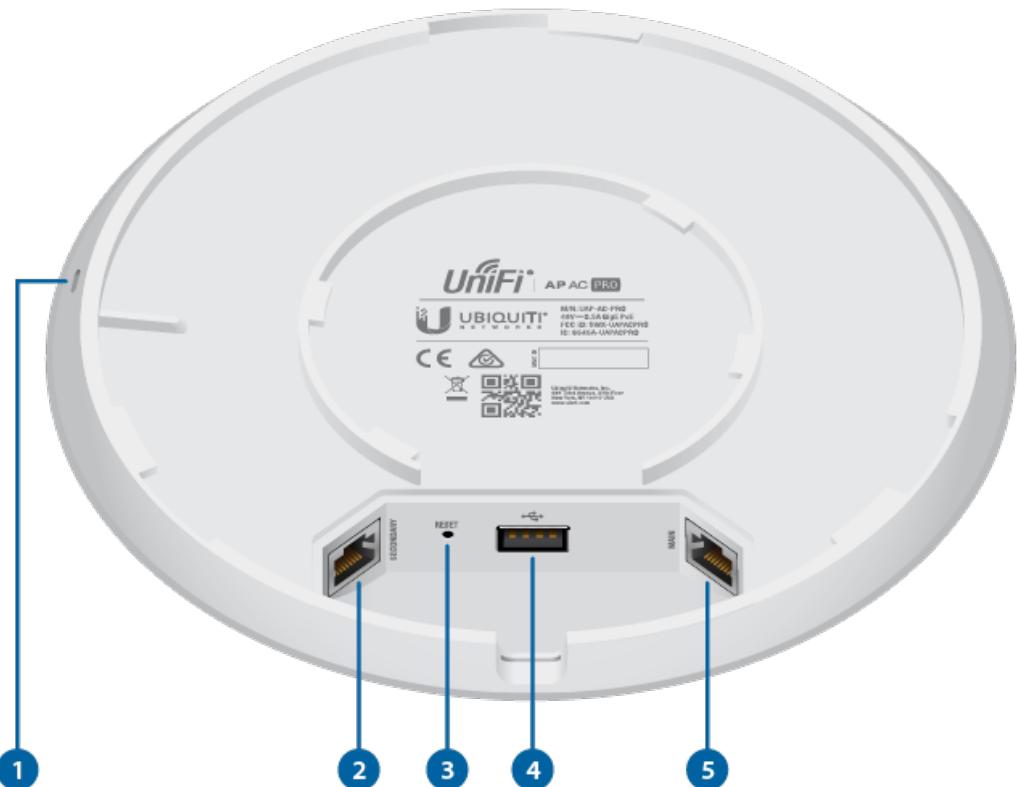
- Linux, Mac OS X, or Microsoft Windows 7/8/10
- Java Runtime Environment 1.8 or above recommended
- Web Browser: Google Chrome (Other browsers may have limited functionality.)
- UniFi Network Application v5.4 or newer (available at: [ui.com/download/unifi](https://ui.com/download/unifi))

## Hardware Overview



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## Ports

**1** Security Slot

If you need to remove the UniFi AP from the Mounting Plate, insert a flat, thin object like a zip tie or large paper clip in the Security Slot to release the Lock Tab and turn the UniFi AP counterclockwise.

**2** Secondary

The Secondary port is a Gigabit Ethernet port used for bridging.

**3** Reset

The Reset button serves two functions for the UniFi AP:

- **Restart** Press and release the Reset button quickly.
- **Restore to Factory Default Settings** Press and hold the Reset button for more than five seconds.

**4** USB



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**5 Main**

The Main port is a Gigabit Ethernet port used to connect the power and should be connected to the LAN and DHCP server.

## Hardware Installation

The UniFi AP can be mounted on the wall or ceiling. Perform the steps for the appropriate installation:

### Wall Mount

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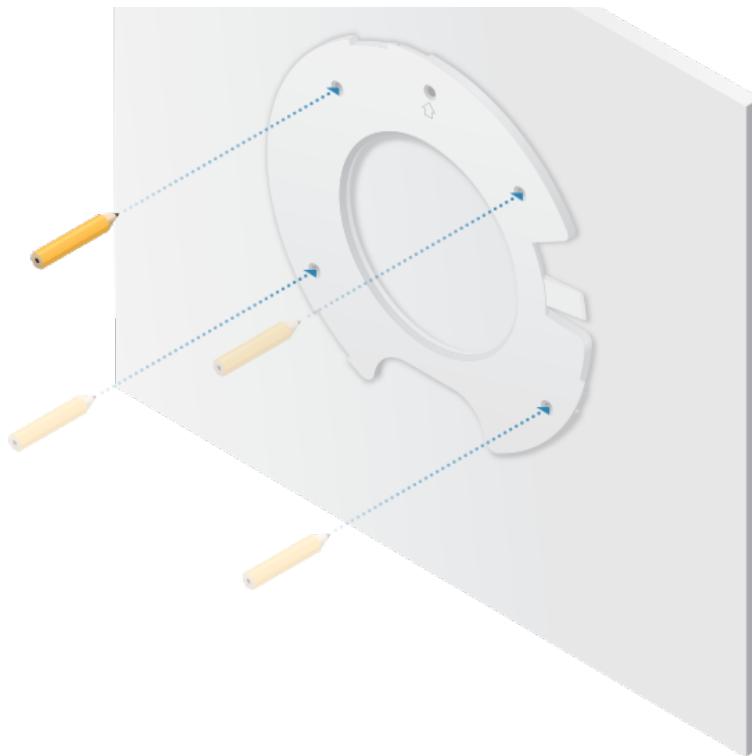


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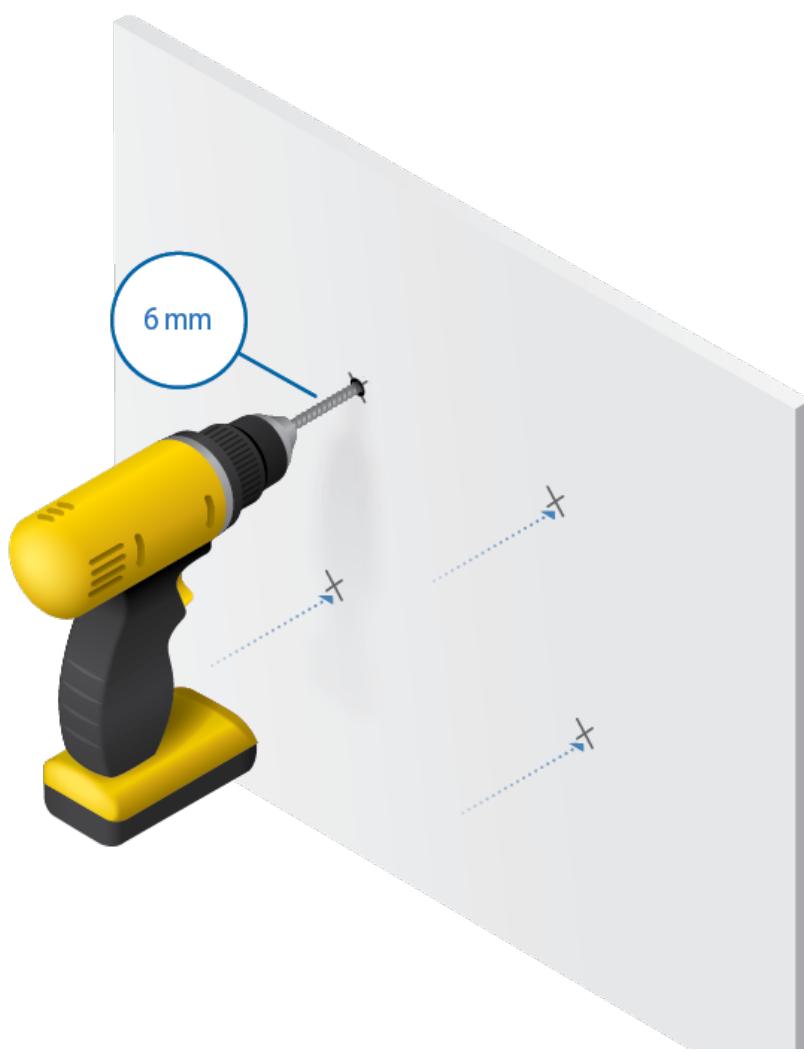




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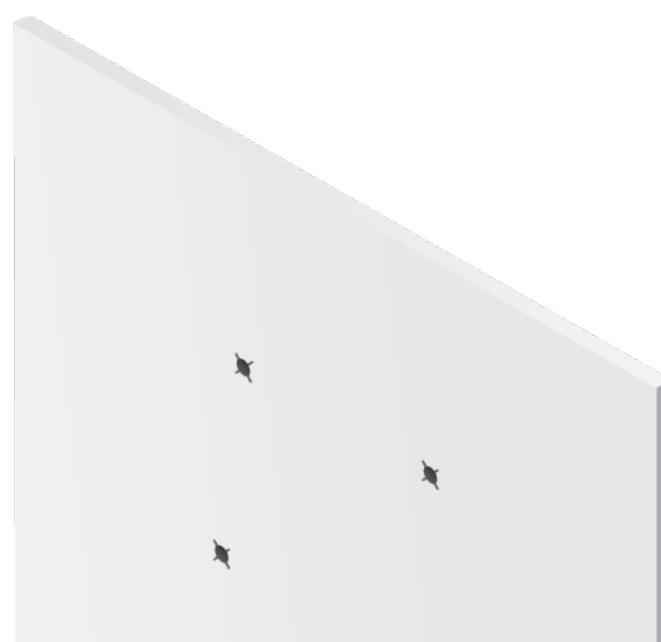
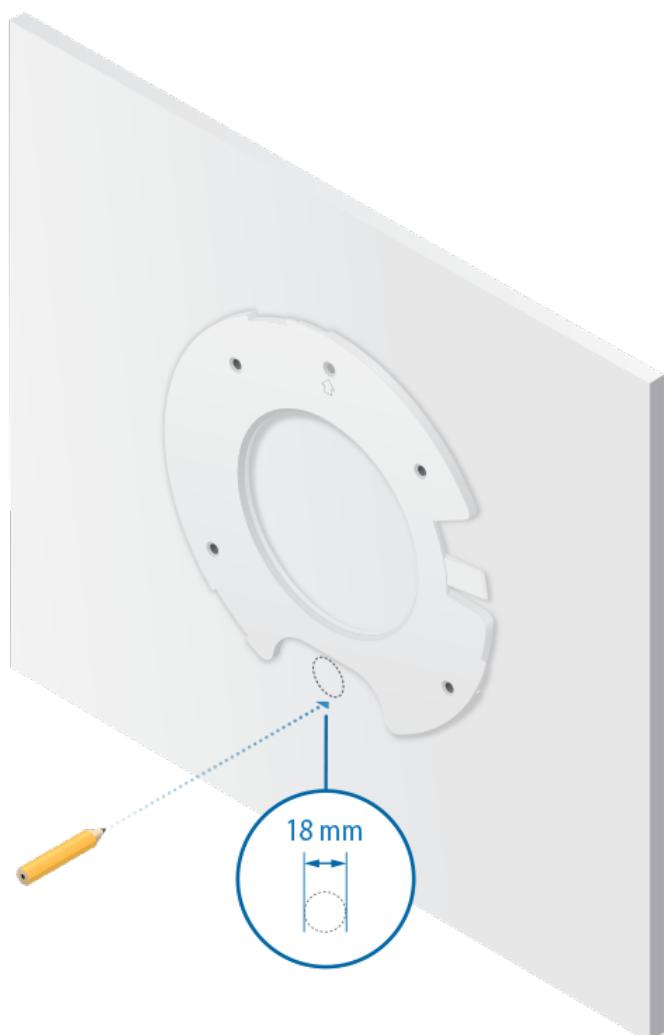
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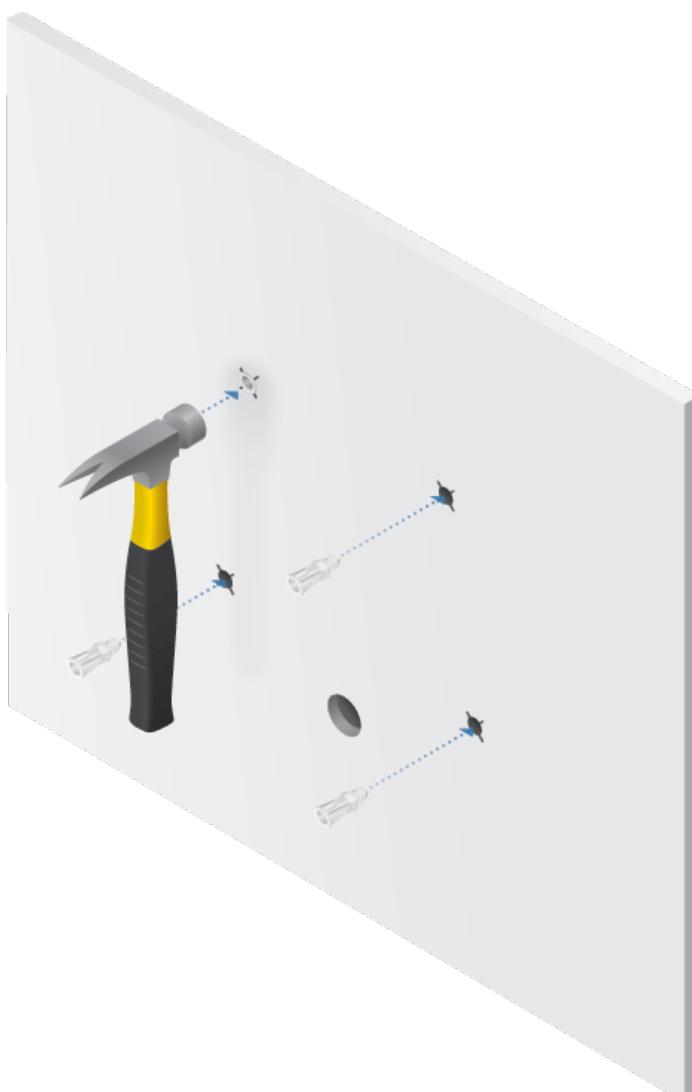




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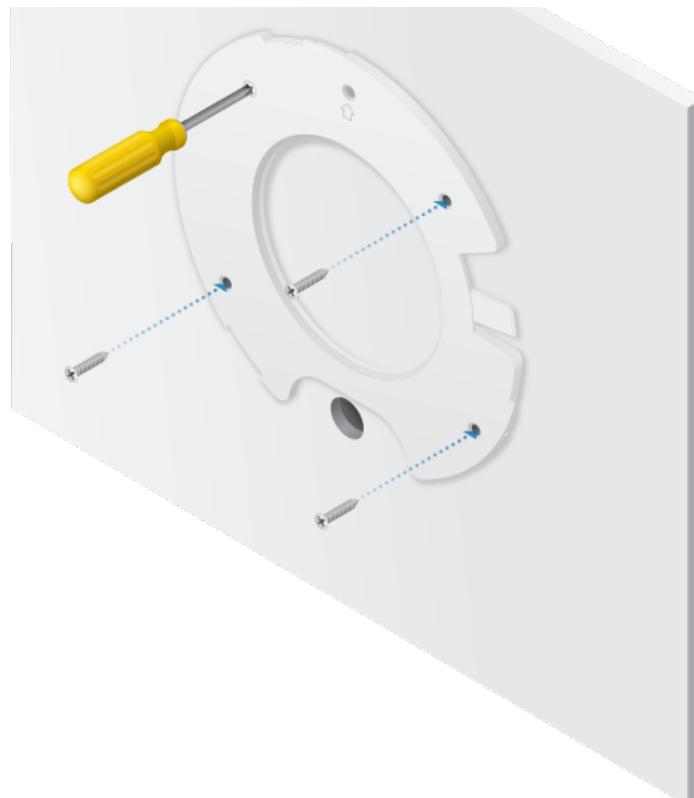


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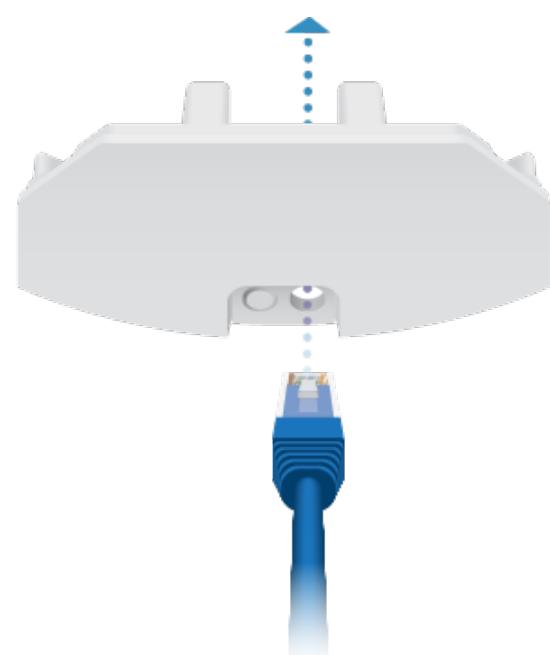




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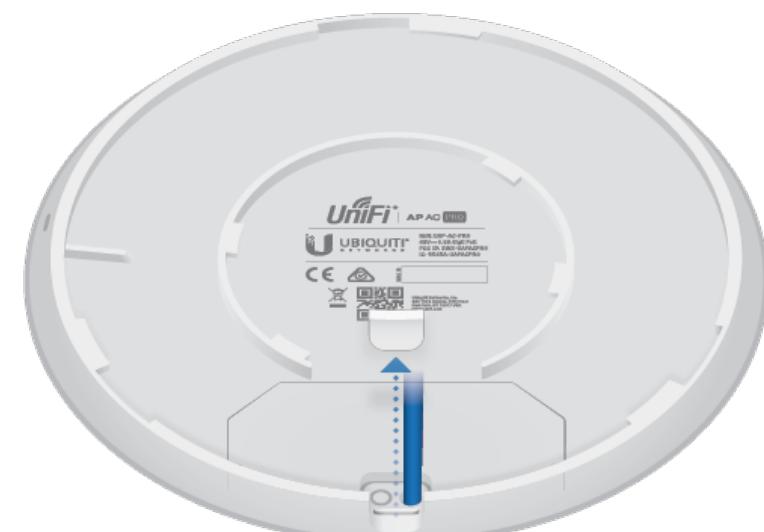
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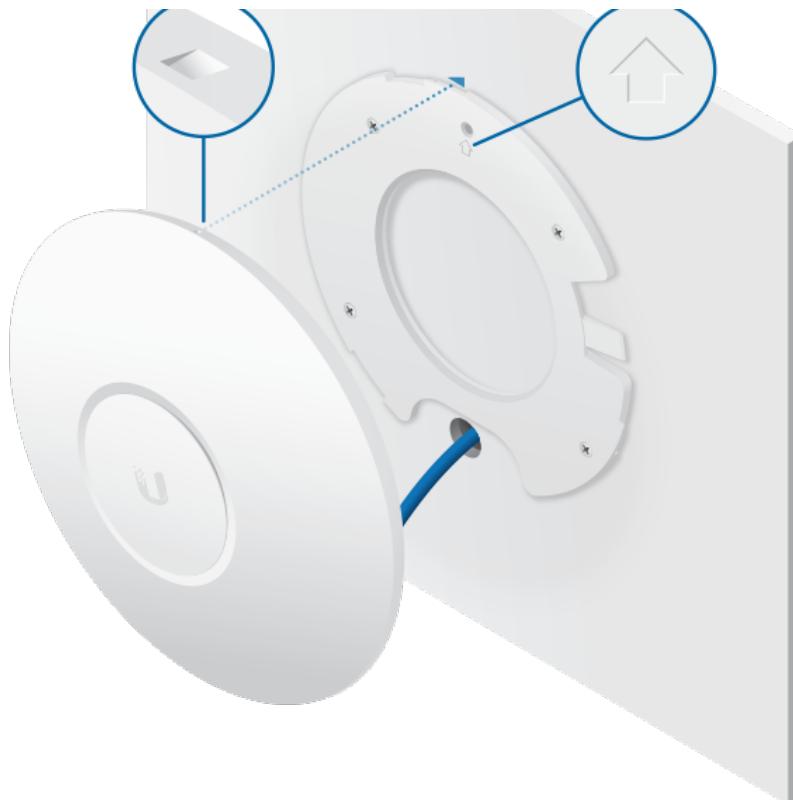


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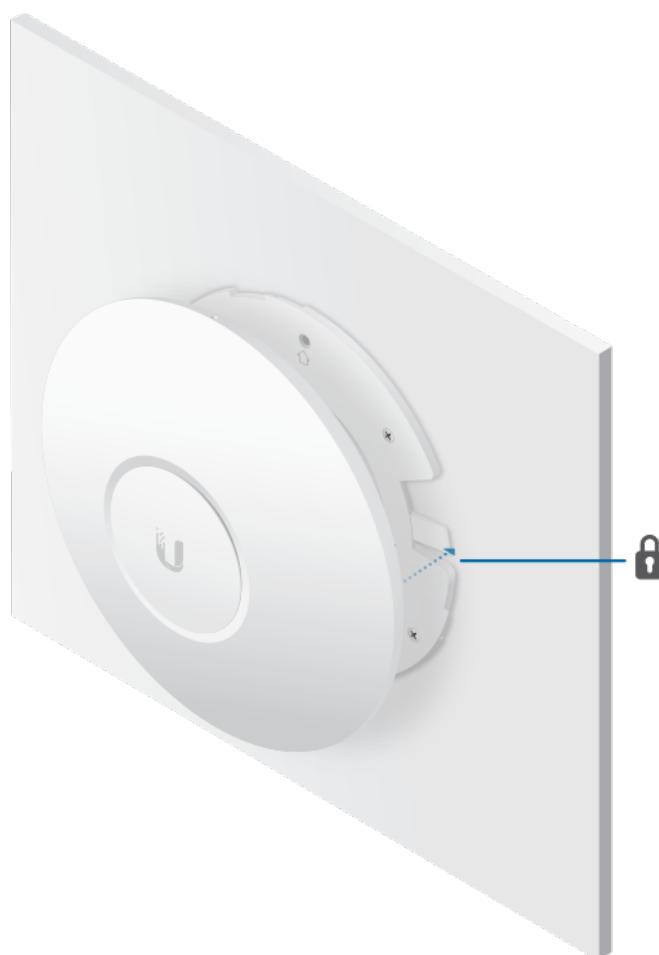




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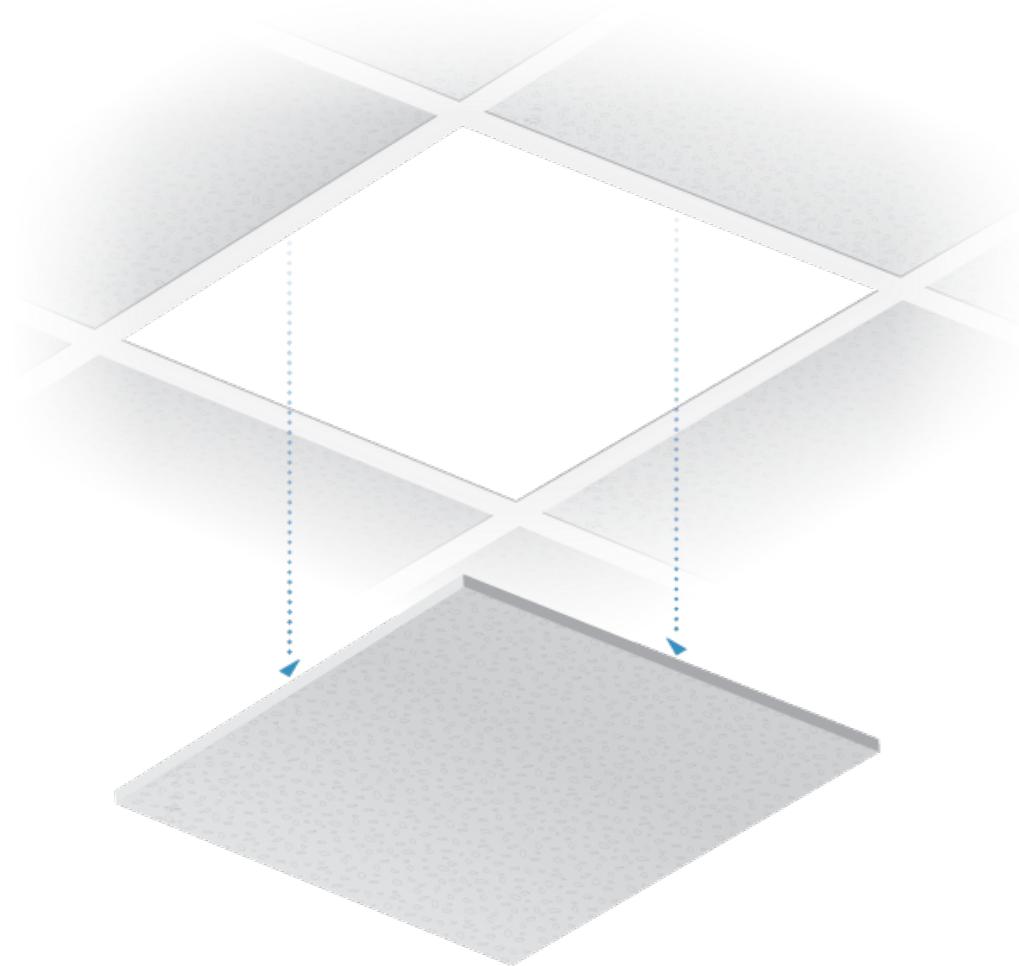
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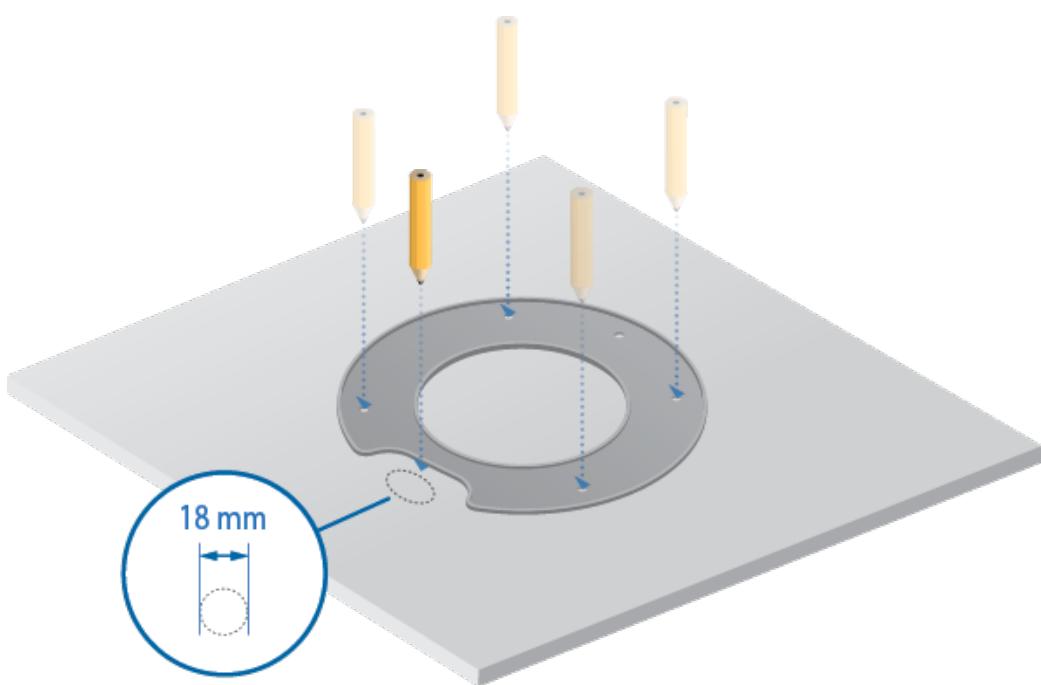


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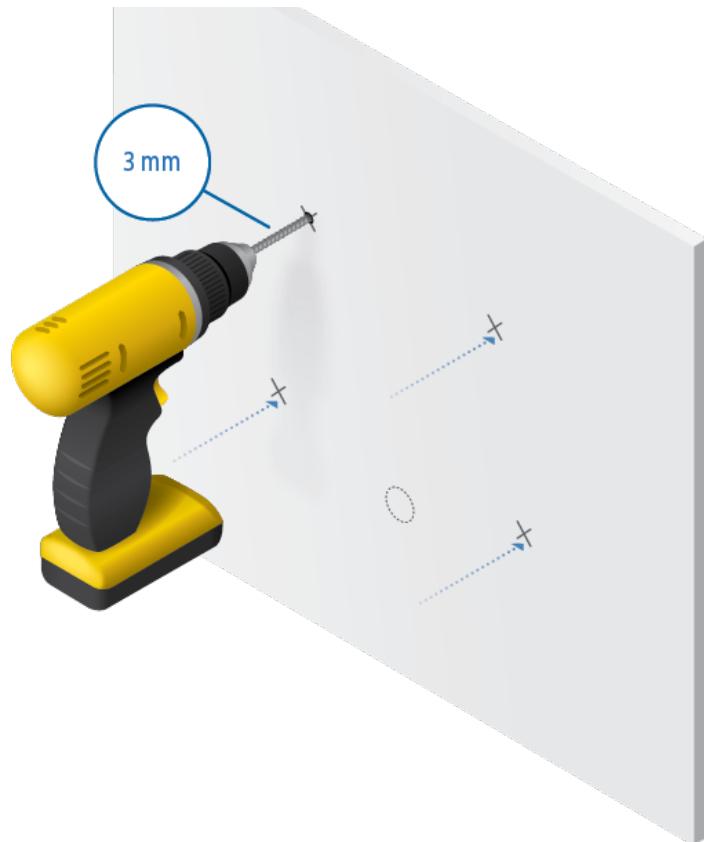
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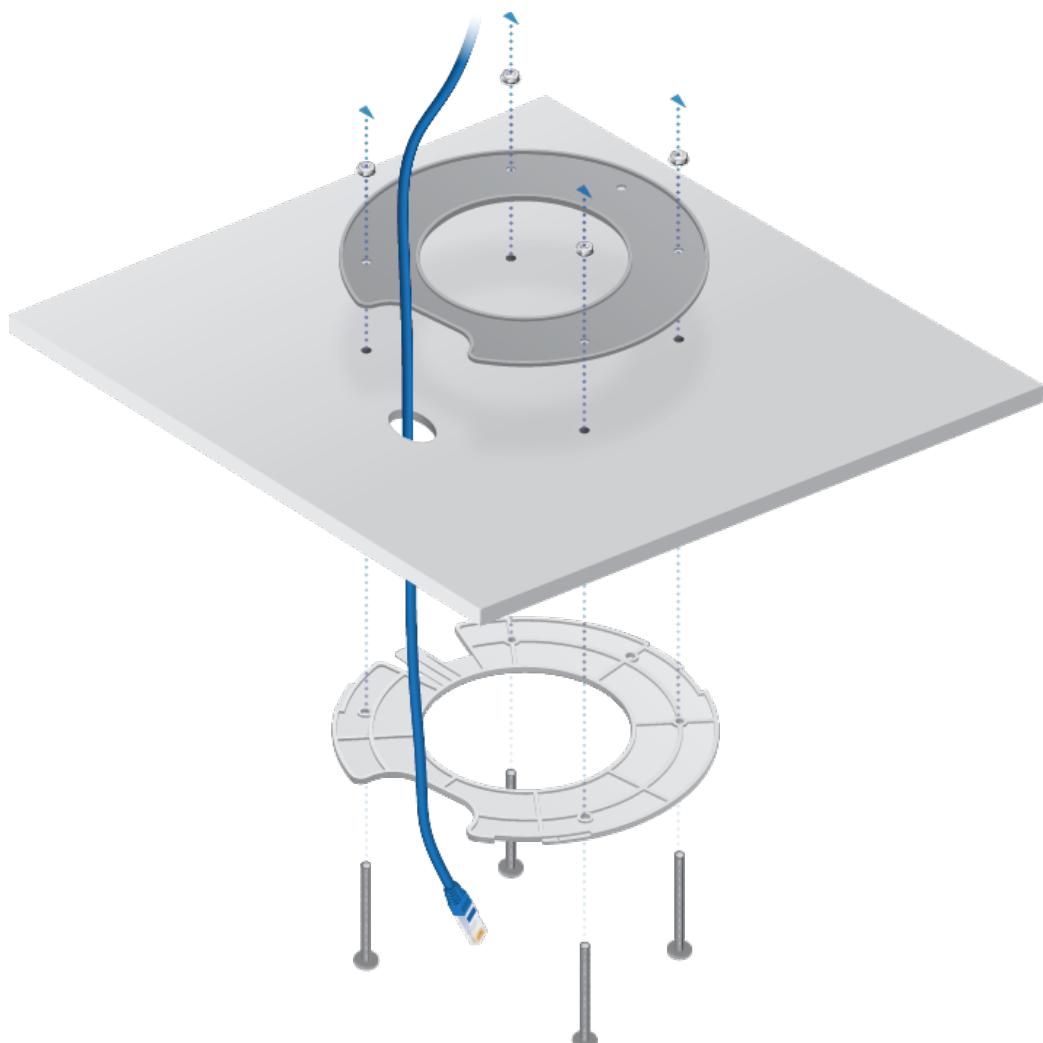
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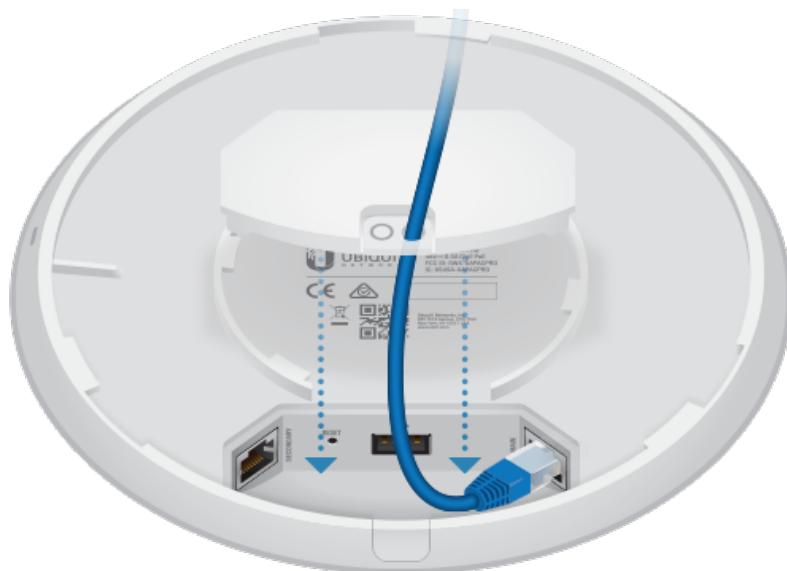
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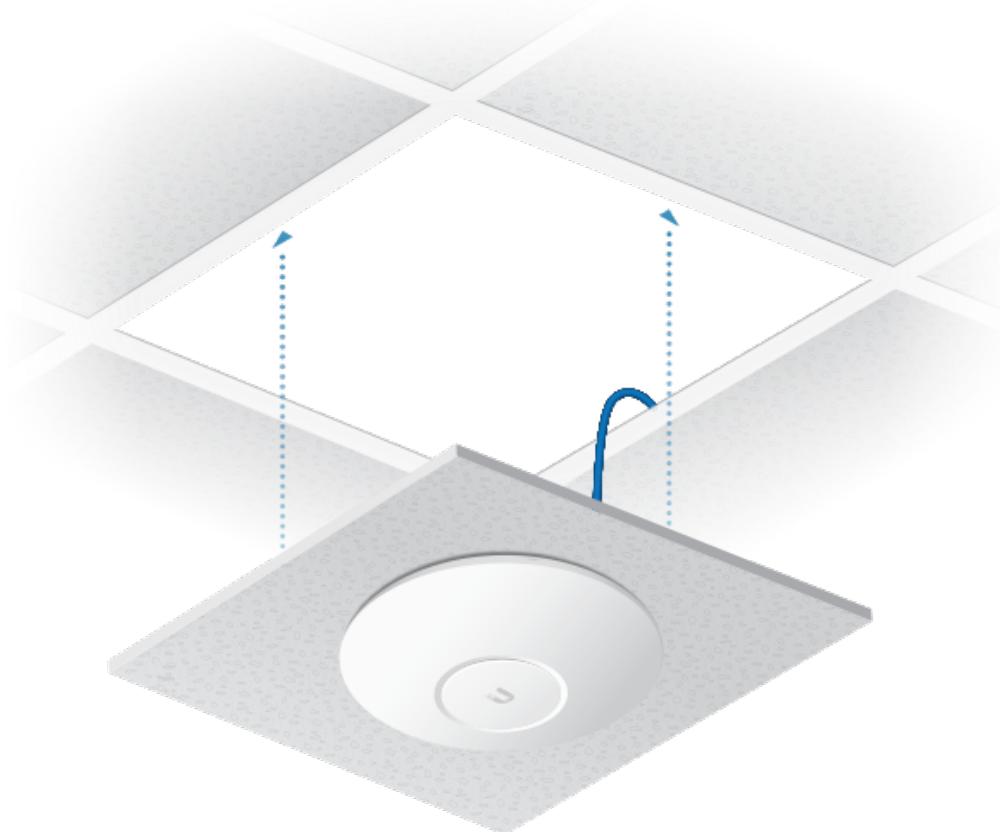


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## Powering the UniFi AP

The UAP-AC-PRO features auto-sensing 802.3af/802.3at PoE support and can be powered by any of the following:

- Ubiquiti UniFi Switch with PoE
- 802.3af/802.3at PoE+ compliant switch



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The single-pack of the UAP-AC-PRO includes one Gigabit PoE adapter. For multi-pack units, PoE adapters or a UniFi Switch with PoE may be purchased separately.

### Connecting to a PoE Switch

Connect the Ethernet cable from the UniFi AP directly to a PoE port on the switch.



### Connecting to the PoE Adapter

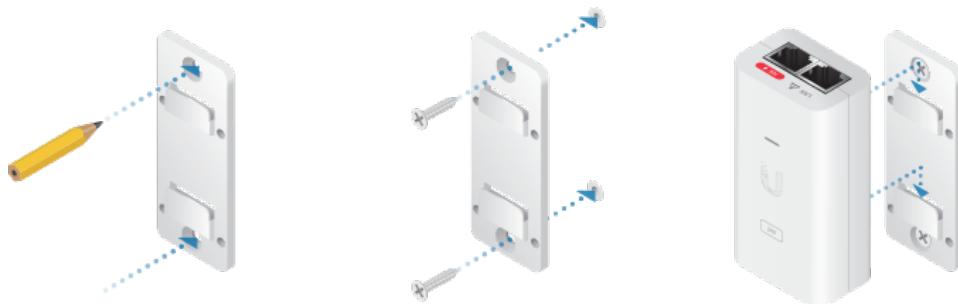
1. Connect the Ethernet cable from the device to the POE port of the PoE adapter.
2. Connect an Ethernet cable from your LAN to the LAN port of the PoE adapter.
3. Connect the Power Cord to the adapter, and then plug the Power Cord into a power outlet.





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1. Remove the PoE Mounting Bracket from the adapter, place the bracket at the desired location, and mark the two holes.
2. Pre-drill the holes if necessary, and secure the bracket using two fasteners (not included).
3. Align the adapter's slots with the tabs of the PoE Mounting Bracket, and then slide the adapter down.



## Specifications

UAP-AC-PRO	
Dimensions	196.7 x196.7 x 35 mm (7.74 x 7.74 x 1.38")
Weight with Mounting Kit	350 g (12.35 oz) 450 g (15.87 oz)
Networking Interface	(2) 10/100/1000 Ethernet Ports
Buttons	Reset
Power Method	PoE 802.3af/802.3at
Power Supply	48V, 0.3A Gigabit PoE Adapter*
Max. Power Consumption	9W
Operating Frequency	2.4 GHz 5 GHz
Max. TX Power 2.4 GHz 5 GHz	22 dBm 22 dBm
Antennas	(3) Dual-Band Antennas, 3 dBi each
Wi-Fi Standards	802.11 a/b/g/n/ac
Wireless Security	WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)



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MOUNTING	WALL/CEILING (KITS INCLUDED)
Operating Temperature	-10 to 70° C (14 to 158° F)
Operating Humidity	5 to 95% Noncondensing
Certifications	CE, FCC, IC

\* Included with the single-pack of the UAP-AC-PRO

## Safety Notices

1. Read, follow, and keep these instructions.
2. Heed all warnings.
3. Only use attachments/accessories specified by the manufacturer.



**WARNING:** Do not use this product in location that can be submerged by water.



**WARNING:** Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

## Electrical Safety Information

1. Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a different power source than those specified may result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.
2. There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.
3. This equipment is provided with a detachable power cord which has an integral safety ground wire intended for connection to a grounded safety outlet.
  - a. Do not substitute the power cord with one that is not the provided approved type. Never use an adapter plug to connect to a 2-wire outlet as this will defeat the continuity of the grounding wire.
  - b. The equipment requires the use of the ground wire as a part of the safety certification, modification or misuse can provide a shock hazard that can result in serious injury or death.
  - c. Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.
- d. Protective earthing is provided by Listed AC adapter. Building installation shall provide appropriate short-circuit backup protection.
- e. Protective bonding must be installed in accordance with local national wiring rules and regulations.



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### <ui.com/support/warranty>

The limited warranty requires the use of arbitration to resolve disputes on an individual basis, and, where applicable, specify arbitration instead of jury trials or class actions.

## Compliance

### FCC

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

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operations of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This radio transmitter has been approved by FCC.

### ISED Canada

### CAN ICES-3(A)/NMB-3(A)

This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This radio transmitter has been approved by ISED Canada.

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

### CAN ICES-3(A)/NMB-3(A)

Le présent appareil est conforme aux CNR d'ISDE Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :



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susceptible d'en compromettre le fonctionnement.

Le présent émetteur radio a été approuvé par ISDE Canada.

Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

## IMPORTANT NOTE

### Radiation Exposure Statement

- This equipment complies with radiation exposure limits set forth for an uncontrolled environment.
- This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## AVIS IMPORTANT

### Déclaration sur l'exposition aux rayonnements

- Cet équipement est conforme aux limites prévues pour l'exposition aux rayonnements dans un environnement non contrôlé.
- Lors de l'installation et de la mise en fonctionnement de l'équipement, assurez-vous qu'il y ait une distance minimale de 20 cm entre l'élément rayonnant et vous.
- Cet émetteur ne doit être installé à proximité d'aucune autre antenne ni d'un autre émetteur, et ne doit être utilisé conjointement à aucun autre de ces appareils.

## Australia and New Zealand



Warning: This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

## Brazil



**Nota:** Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

## CE Marking

CE marking on this product represents the product is in compliance with all directives that are applicable to it.





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### Country List



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

BFWA (Broadband Fixed Wireless Access) members noted in blue



**Note:** This device meets Max. TX power limit per ETSI regulations.

The following apply to products that operate in the 5 GHz frequency range:



**Note:** This device is restricted to indoor use only when operating in the 5150 - 5350 MHz frequency range within all member states.



**Note:** Operation in the 5.8 GHz frequency band is prohibited in BFWA member states. Other countries listed may use the 5.8 GHz frequency band.

## WEEE Compliance Statement

## Declaration of Conformity

## Online Resources

