Introduction
Thank you for purchasing the Ubiquiti Networks® UniFi® AP PRO. This Quick Start Guide is designed to guide you through installation and also includes warranty terms.

Package Contents

UniFi AP-PRO
Mounting Bracket
Ceiling Backing Plate

Flat Head Screws (M3x50, Qty. 3)
Keps Nuts (M3, Qty. 3)
Screws (M2.9x20, Qty. 3)
Screw Anchors (M3x20, Qty. 3)

Gigabit PoE (48V, 0.5A) with Mounting Bracket
Power Cord
Quick Start Guide

Installation Requirements

- CAT5/6 cable
- Phillips screwdriver
- Drill and drill bit (6 mm for wall-mounting or 3 mm for ceiling-mounting)
- Optional: Drywall or keyhole saw (to cut 25 mm hole for Ethernet cable feed)

TERMS OF USE: All Ethernet cabling runs must use CAT5 (or above). It is the customer’s responsibility to follow local country regulations, including operation within legal frequency channels, output power, indoor cabling requirements, and Dynamic Frequency Selection (DFS) requirements.
System Requirements

- Linux, Mac OS X, or Microsoft Windows 7/8
- Java Runtime Environment 1.6 (or above)
- Web Browser: Mozilla Firefox, Google Chrome, or Microsoft Internet Explorer 8 (or above)
- UniFi Controller software (available at: downloads.ubnt.com/unifi)

Network Topology Requirements

- A DHCP-enabled network (for the AP to obtain an IP address as well as for the wireless clients after deployment)
- A management station computer running the UniFi Controller software, located either onsite and connected to the same Layer-2 network, or off-site in a cloud or NOC

Sample Network Diagram

All UniFi APs support off-site management controllers. For setup details, see the User Guide on the website: documentation.ubnt.com/unifi
Hardware Overview

LED

<table>
<thead>
<tr>
<th>LED Color</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>Factory default, waiting to be integrated.</td>
</tr>
<tr>
<td>Flashing White</td>
<td>Initializing.</td>
</tr>
<tr>
<td>Alternating White/Blue</td>
<td>Device is busy; do not touch or unplug it. This usually indicates that a process such as a firmware upgrade is taking place.</td>
</tr>
<tr>
<td>Blue</td>
<td>Indicates the device has been successfully integrated into a network and is working properly.</td>
</tr>
<tr>
<td>Quickly Flashing Blue</td>
<td>This is used to locate an AP.</td>
</tr>
<tr>
<td></td>
<td>When you click <strong>Locate</strong> in the UniFi Controller software, the LED on the AP will flash. It will also flash the location of the AP on the map three times and then stop.</td>
</tr>
<tr>
<td>Steady Blue with occasional flashing</td>
<td>Indicates the device is in an isolated state (all WLANs are brought down until an uplink is found).</td>
</tr>
</tbody>
</table>
Ports

Main/48V  This Gigabit Ethernet port is used to connect the power and should be connected to the LAN and DHCP server. Power can be provided by any of the following:

- Included Gigabit PoE adapter
- 48V, 802.3af compliant switch
- Ubiquiti Networks UniFi Switch
- Ubiquiti Networks TOUGHSwitch™ PRO, model TS-8-PRO

Secondary  This Gigabit Ethernet port is used for bridging.

Reset  This button serves two functions for the UniFi AP-PRO:

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

Cable Feed Plug  If your Ethernet cable feeds along the mounting surface, remove the Cable Feed Plug.

Locking Clip  During installation, the Locking Clip on the Mounting Bracket locks into the Locking Notch on the UniFi AP-PRO to help prevent theft.
Hardware Installation

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

Wall Mount

1. Position the *Mounting Bracket* at the desired location on the wall with the cable feed slot pointed towards the floor.
2. Use a pencil to mark the three holes on the wall. Use a 6 mm drill bit to drill the holes.

3. Follow the instruction for your Ethernet cable feed:
   - **Feeds Through the Wall**  Cut or drill a circle approximately 25 mm in diameter, just below the bottom center of the *Mounting Bracket* (as shown above). Then feed the CAT5/6 cable through the hole.
   - **Feeds Along the Mounting Surface**  Remove the *Cable Feed Plug* on the side of the UniFi AP-PRO.
4. Insert the Screw Anchors into the 6 mm holes. Secure the Mounting Bracket to the wall by inserting the Screws into the anchors.

5. Connect the Ethernet cable to the Main/48V Ethernet port.
6. Align the notch on the UniFi AP-PRO with the notch on the *Mounting Bracket*.

7. Turn the UniFi AP-PRO clockwise until it locks into place.
**Ceiling Mount**

1. Remove the ceiling tile.

2. Place the *Mounting Bracket* in the center of the ceiling tile. Mark the three mounting screw holes and 25 mm hole for the Ethernet cable.

3. Use a 3 mm drill bit to drill the screw holes, and cut or drill the 25 mm hole for the Ethernet cable feed.
4. Secure the *Mounting Bracket* to the ceiling tile using the *Ceiling Backing Plate*, *Flathead Screws*, and *Keps Nuts*. Then feed the Ethernet cable through the 25 mm hole.
5. Connect the Ethernet cable to the *Main/48V* Ethernet port.

6. Align the notch on the UniFi AP-PRO with the notch on the *Mounting Bracket*.

7. Turn the UniFi AP-PRO clockwise until it locks into place.

8. Set the ceiling tile back into place.
Powering the UniFi AP-PRO

The UniFi AP-PRO can be powered by the included Gigabit PoE adapter or a compatible PoE device.

Connecting to the Gigabit PoE Adapter

1. Connect the Ethernet cable from the Main/48V Ethernet port of the UniFi AP-PRO to the adapter’s POE port.
2. Connect an Ethernet cable from your LAN to the adapter’s LAN port.
3. Connect the Power Cord to the adapter’s power port. Connect the other end of the Power Cord to a power outlet.

Mounting the PoE Adapter (Optional)

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.
Connecting to a PoE Device

Connect the other end of the Ethernet cable coming from the Main/48V Ethernet port on the UniFi AP directly to a PoE port on one of the following:

- 48V, 802.3af compliant switch
- UniFi Switch

TOUGHSwitch Power Connection Diagram

- TOUGHSwitch PRO, model TS-8-PRO

TOUGHSwitch Power Connection Diagram
Software Installation

Download and install the latest version of the UniFi Controller software at downloads.ubnt.com/unifi. Launch the software and follow the on-screen instructions. Step-by-step instructions are available in the User Guide located on our website: documentation.ubnt.com/unifi

After you have installed the software and run the UniFi Installation Wizard, a login screen will appear for the UniFi Controller management interface. Enter the Admin Name and Password that you created and click Login.

You can manage your wireless network and view network statistics using the UniFi Controller management interface. For information on configuring and using the UniFi Controller software, refer to the User Guide.
## Specifications

<table>
<thead>
<tr>
<th>UniFi AP PRO</th>
<th></th>
</tr>
</thead>
</table>
| **Dimensions** | 200 x 200 x 36.5 mm  
(7.87 x 7.87 x 1.44") |
| **Weight** | 298 g (10.51 oz)  
358 g (12.63 oz) |
| **Mounting Kits Included** |  |
| **Networking Interfaces** | (2) 10/100/1000 Ethernet Ports |
| **Buttons** | Reset |
| **Antennas** |  |
|  |  |
| 2.4 GHz | 3 Integrated  
(Supports 3x3 MIMO with Spatial Diversity) |
| 5 GHz | 2 Integrated  
(Supports 2x2 MIMO with Spatial Diversity) |
| **Wi-Fi Standards** | 802.11 a/b/g/n |
| **Power Method** | Passive Power over Ethernet (48V),  
802.3af Supported |
| **Power Supply** | 48V, 0.5A PoE Gigabit Adapter (Included) |
| **Max. Power Consumption** | 12W |
| **Max. TX Power** |  |
| 2.4 GHz | 30 dBm |
| 5 GHz | 22 dBm |
| **BSSID** | Up to Four per Radio |
| **Power Save** | Supported |
| **Wireless Security** | WEP, WPA-PSK, WPA-Enterprise  
(WPA/WPA2, TKIP/AES) |
| **Certifications** | CE, FCC, IC |
| **Mounting** | Wall/Ceiling (Kits Included) |
| **Operating Temperature** | -10 to 70° C  
(14 to 158° F) |
| **Operating Humidity** | 5 to 80% Noncondensing |
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.
Limited Warranty

UBIQUITI NETWORKS, Inc (“UBIQUITI NETWORKS”) warrants that the product(s) furnished hereunder (the “Product(s)”) shall be free from defects in material and workmanship for a period of one (1) year from the date of shipment by UBIQUITI NETWORKS under normal use and operation. UBIQUITI NETWORKS’ sole and exclusive obligation and liability under the foregoing warranty shall be for UBIQUITI NETWORKS, at its discretion, to repair or replace any Product that fails to conform to the above warranty during the above warranty period. The expense of removal and reinstallation of any Product is not included in this warranty. The warranty period of any repaired or replaced Product shall not extend beyond its original term.

Warranty Conditions

The above warranty does not apply if the Product:

(I) has been modified and/or altered, or an addition made thereto, except by Ubiquiti Networks, or Ubiquiti Networks’ authorized representatives, or as approved by Ubiquiti Networks in writing;

(II) has been painted, rebranded or physically modified in any way;

(III) has been damaged due to errors or defects in cabling;

(IV) has been subjected to misuse, abuse, negligence, abnormal physical, electromagnetic or electrical stress, including lightning strikes, or accident;

(V) has been damaged or impaired as a result of using third party firmware;

(VI) has no original Ubiquiti MAC label, or is missing any other original Ubiquiti label(s); or

(VII) has not been received by Ubiquiti within 30 days of issuance of the RMA.

In addition, the above warranty shall apply only if: the product has been properly installed and used at all times in accordance, and in all material respects, with the applicable Product documentation; all Ethernet cabling runs use CAT5 (or above), and for outdoor installations, shielded Ethernet cabling is used, and for indoor installations, indoor cabling requirements are followed.

Returns

No Products will be accepted for replacement or repair without obtaining a Return Materials Authorization (RMA) number from UBIQUITI NETWORKS during the warranty period, and the Products being received at UBIQUITI NETWORKS’ facility freight prepaid in accordance with the RMA process of UBIQUITI NETWORKS. Products returned without an RMA number will not be processed and will be returned freight collect or subject to disposal. Information on the RMA process and obtaining an RMA number can be found at: www.ubnt.com/support/warranty.
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**Limitation of Liability**

EXCEPT TO THE EXTENT PROHIBITED BY LOCAL LAW, IN NO EVENT WILL UBIQUITI OR ITS SUBSIDIARIES, AFFILIATES OR SUPPLIERS BE LIABLE FOR DIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES (INCLUDING LOST PROFIT, LOST DATA, OR DOWNTIME COSTS), ARISING OUT OF THE USE, INABILITY TO USE, OR THE RESULTS OF USE OF THE PRODUCT, WHETHER BASED IN WARRANTY, CONTRACT, TORT OR OTHER LEGAL THEORY, AND WHETHER OR NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
Note

Some countries, states and provinces do not allow exclusions of implied warranties or conditions, so the above exclusion may not apply to you. You may have other rights that vary from country to country, state to state, or province to province. Some countries, states and provinces do not allow the exclusion or limitation of liability for incidental or consequential damages, so the above limitation may not apply to you. EXCEPT TO THE EXTENT ALLOWED BY LOCAL LAW, THESE WARRANTY TERMS DO NOT EXCLUDE, RESTRICT OR MODIFY, AND ARE IN ADDITION TO, THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE LICENSE OF ANY SOFTWARE (EMBEDDED IN THE PRODUCT) TO YOU. The United Nations Convention on Contracts for the International Sale of Goods shall not apply to any transactions regarding the sale of the Products.

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.

NOTE: 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.
Industry Canada

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

This Class A digital apparatus complies with Canadian CAN ICES-3(A).

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

This device complies with Industry 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.

**RF Exposure Warning**

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be located or operating in conjunction with any other antenna or transmitter, except as listed for this product’s certification.

Les antennes utilisées pour cet émetteur doit être installé pour fournir une distance de séparation d’au moins 20 cm de toutes les personnes et ne doit pas être situé ou opérant en conjonction avec une autre antenne ou un autre émetteur, sauf dans les cas énumérés à la certification de ce produit.
CE Marking

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

Alert Sign (!) Follows CE Marking

Alert sign must be indicated if a restriction on use applied to the product and it must follow the CE marking.

RoHS/WEEE Compliance Statement

English

European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

Deutsch

Español

La Directiva 2002/96/CE de la UE exige que los equipos que lleven este símbolo en el propio aparato y/o en su embalaje no deben eliminarse junto con otros residuos urbanos no seleccionados. El símbolo indica que el producto en cuestión debe separarse de los residuos domésticos convencionales con vistas a su eliminación. Es responsabilidad suya deshacerse de este y cualesquiera otros aparatos eléctricos y electrónicos a través de los puntos de recogida que ponen a su disposición el gobierno y las autoridades locales. Al desechar y reciclar correctamente estos aparatos estará contribuyendo a evitar posibles consecuencias negativas para el medio ambiente y la salud de las personas. Si desea obtener información más detallada sobre la eliminación segura de su aparato usado, consulte a las autoridades locales, al servicio de recogida y eliminación de residuos de su zona o pregunte en la tienda donde adquirió el producto.

Français

La directive européenne 2002/96/CE exige que l’équipement sur lequel est apposé ce symbole sur le produit et/ou son emballage ne soit pas jeté avec les autres ordures ménagères. Ce symbole indique que le produit doit être éliminé dans un circuit distinct de celui pour les déchets des ménages. Il est de votre responsabilité de jeter ce matériel ainsi que tout autre matériel électrique ou électronique par les moyens de collecte indiqués par le gouvernement et les pouvoirs publics des collectivités territoriales. L’élimination et le recyclage en bonne et due forme ont pour but de lutter contre l’impact néfaste potentiel de ce type de produits sur l’environnement et la santé publique. Pour plus d’informations sur le mode d’élimination de votre ancien équipement, veuillez prendre contact avec les pouvoirs publics locaux, le service de traitement des déchets, ou l’endroit où vous avez acheté le produit.

Italiano

La direttiva europea 2002/96/EC richiede che le apparecchiature contrassegnate con questo simbolo sul prodotto e/o sull’imballaggio non siano smaltite insieme ai rifiuti urbani non differenziati. Il simbolo indica che questo prodotto non deve essere smaltito insieme ai normali rifiuti domestici. È responsabilità del proprietario smaltire sia questi prodotti sia le altre apparecchiature elettriche ed elettroniche mediante le specifiche strutture di raccolta indicate dal governo o dagli enti pubblici locali. Il corretto smaltimento ed il riciclaggio aiuteranno a prevenire conseguenze potenzialmente negative per l’ambiente e per la salute dell’essere umano. Per ricevere informazioni più dettagliate circa lo smaltimento delle vecchie apparecchiature in Vostro possesso, Vi invitiamo a contattare gli enti pubblici di competenza, il servizio di smaltimento rifiuti o il negozio nel quale avete acquistato il prodotto.
Declaration of Conformity

UBIQUITI NETWORKS does hereby declare that this UBIQUITI NETWORKS device, is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
<table>
<thead>
<tr>
<th>Language</th>
<th>Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>Norsk [Norwegian]</td>
<td>Herved UBIQUITI NETWORKS, erklærer at denne UBIQUITI NETWORKS enheten, er i samsvar med de grunnleggende kravene og andre relevante bestemmelser i direktiv 1999/5/EF.</td>
</tr>
<tr>
<td>Slovensky [Slovak]</td>
<td>Týmto UBIQUITI NETWORKS, prehlasuje, že toto UBIQUITI NETWORKS zariadenie, je v súlade so základnými požiadavkami a ďalšími relevantnými ustanoveniami smernice 1999/5/ES.</td>
</tr>
<tr>
<td>Svenska [Swedish]</td>
<td>Härmel UBIQUITI NETWORKS, intygar att denna UBIQUITI NETWORKS enhet är i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.</td>
</tr>
<tr>
<td>Español [Spanish]</td>
<td>Por medio de la presente UBIQUITI NETWORKS declara que este dispositivo UBIQUITI NETWORKS, cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.</td>
</tr>
<tr>
<td>Polski [Polish]</td>
<td>Niniejszym, Ubiquiti Networks, oświadcza, że urządzenie UBIQUITI NETWORKS, jest zgodny z zasadniczymi wymaganiami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.</td>
</tr>
<tr>
<td>Português [Portuguese]</td>
<td>UBIQUITI NETWORKS declara que este dispositivo UBIQUITI NETWORKS, está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.</td>
</tr>
<tr>
<td>Română [Romanian]</td>
<td>Prin prezenta, UBIQUITI NETWORKS declară că acest dispozitiv UBIQUITI NETWORKS este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 1999/5/CE.</td>
</tr>
</tbody>
</table>

**Online Resources**

Support [support.ubnt.com](http://support.ubnt.com)
Community [community.ubnt.com](http://community.ubnt.com)
Downloads [downloads.ubnt.com](http://downloads.ubnt.com)