802.11n Wi-Fi Access Point
Models:
UAP, UAP-LR (Long-Range)
Introduction

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

Package Contents

UniFi AP  
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)  
PoE Adapter (24V, 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, and Dynamic Frequency Selection (DFS) requirements.
**System Requirements**

- Microsoft Windows 7/8, Mac OS X, or Linux
- 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](http://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 on-site and connected to the same Layer-2 network, or off-site in a cloud or NOC

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1. To set up wireless-uplinked APs, refer to the User Guide on the website: [documentation.ubnt.com/unifi](http://documentation.ubnt.com/unifi)
2. All UniFi devices support off-site management controllers. See the User Guide for setup details.
Hardware Overview

LEDs

<table>
<thead>
<tr>
<th>LED Color</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flashing Amber</td>
<td>Initializing.</td>
</tr>
<tr>
<td>Steady Amber</td>
<td>Factory default, waiting to be integrated.</td>
</tr>
<tr>
<td>Alternating Amber/Green</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>Quickly Flashing Green</td>
<td>This is used to locate an AP. When you click <strong>Locate</strong> in the UniFi Controller software, the AP will flash. It will also display the location of the AP on the map.</td>
</tr>
<tr>
<td>Steady Green</td>
<td>Indicates the device has been successfully integrated into a network and is working properly.</td>
</tr>
<tr>
<td>Steady Green 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**

**Ethernet** The 10/100 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 PoE Adapter
- Ubiquiti Networks UniFi Switch
- Ubiquiti Networks TOUGHSwitch™ PRO

**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 until the LED turns off.

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

The UniFi AP 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. If your Ethernet cable 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.
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 *Ethernet* port.
6. Align the notch on the UniFi AP with the notch on the *Mounting Bracket*.

7. Turn the UniFi AP 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 *Ethernet* port.

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

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

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

The UniFi AP can be powered directly by a Ubiquiti Networks TOUGHSwitch or UniFi Switch, or with the included PoE Adapter.

**Note:** The UniFi AP uses passive PoE. You must therefore manually enable 24V passive PoE on the Switch.

Connecting to a TOUGHSwitch

Connect the Ethernet cable from the UniFi AP’s Ethernet port directly to a PoE port on the TOUGHSwitch.

Connecting to a UniFi Switch

Connect the Ethernet cable from the UniFi AP’s Ethernet port directly to a PoE port on the UniFi Switch.
Connecting Power over Ethernet

1. Connect the Ethernet cable from the UniFi AP’s Ethernet port 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.
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>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong></td>
<td>200 x 200 x 36.5 mm (7.87 x 7.87 x 1.44&quot;)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>290 g (430 g with Mounting Kits)</td>
</tr>
<tr>
<td></td>
<td>10.23 oz (15.17 oz with Mounting Kits)</td>
</tr>
<tr>
<td><strong>Networking Interface</strong></td>
<td>(1) 10/100 Ethernet Port</td>
</tr>
<tr>
<td><strong>Buttons</strong></td>
<td>Reset</td>
</tr>
<tr>
<td><strong>Antennas</strong></td>
<td>2 Integrated</td>
</tr>
<tr>
<td></td>
<td>(Supports 2x2 MIMO with Spatial Diversity)</td>
</tr>
<tr>
<td><strong>Wi-Fi Standards</strong></td>
<td>802.11 b/g/n (2.4 GHz)</td>
</tr>
<tr>
<td><strong>Power Method</strong></td>
<td>Passive Power over Ethernet (12-24V)</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td>24V, 0.5A PoE Adapter (Included)</td>
</tr>
<tr>
<td><strong>BSSID</strong></td>
<td>Up to Four per Radio</td>
</tr>
<tr>
<td><strong>Power Save</strong></td>
<td>Supported</td>
</tr>
<tr>
<td><strong>Wireless Security</strong></td>
<td>WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)</td>
</tr>
<tr>
<td><strong>Certifications</strong></td>
<td>CE, FCC, IC</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td>Wall/Ceiling (Kits Included)</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-10 to 70° C (14 to 158° F)</td>
</tr>
<tr>
<td><strong>Operating Humidity</strong></td>
<td>5 to 80% Noncondensing</td>
</tr>
<tr>
<td><strong>Max. Power Consumption</strong></td>
<td></td>
</tr>
<tr>
<td>UAP</td>
<td>4W</td>
</tr>
<tr>
<td>UAP-LR</td>
<td>6W</td>
</tr>
<tr>
<td><strong>Max. TX Power</strong></td>
<td></td>
</tr>
<tr>
<td>UAP</td>
<td>20 dBm</td>
</tr>
<tr>
<td>UAP-LR</td>
<td>27 dBm</td>
</tr>
</tbody>
</table>
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.
Disclaimer

EXCEPT FOR ANY EXPRESS WARRANTIES PROVIDED HEREIN, UBQUITI NETWORKS, ITS AFFILIATES, AND ITS AND THEIR THIRD PARTY DATA, SERVICE, SOFTWARE AND HARDWARE PROVIDERS HEREBY DISCLAIM AND MAKE NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, REPRESENTATIONS, GUARANTEES, OR WARRANTIES OF MERCHANTABILITY, ACCURACY, QUALITY OF SERVICE OR RESULTS, AVAILABILITY, SATISFACTORY QUALITY, LACK OF VIRUSES, QUIET ENJOYMENT, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT AND ANY WARRANTIES ARISING FROM ANY COURSE OF DEALING, USAGE OR TRADE PRACTICE IN CONNECTION WITH SUCH PRODUCTS AND SERVICES. BUYER ACKNOWLEDGES THAT NEITHER UBQUITI NETWORKS NOR ITS THIRD PARTY PROVIDERS CONTROL BUYER’S EQUIPMENT OR THE TRANSFER OF DATA OVER COMMUNICATIONS FACILITIES, INCLUDING THE INTERNET, AND THAT THE PRODUCTS AND SERVICES MAY BE SUBJECT TO LIMITATIONS, INTERRUPTIONS, DELAYS, CANCELLATIONS AND OTHER PROBLEMS INHERENT IN THE USE OF COMMUNICATIONS FACILITIES. UBQUITI NETWORKS, ITS AFFILIATES AND ITS AND THEIR THIRD PARTY PROVIDERS ARE NOT RESPONSIBLE FOR ANY INTERRUPTIONS, DELAYS, CANCELLATIONS, DELIVERY FAILURES, DATA LOSS, CONTENT CORRUPTION, PACKET LOSS, OR OTHER DAMAGE RESULTING FROM ANY OF THE FOREGOING. In addition, UBQUITI NETWORKS does not warrant that the operation of the Products will be error-free or that operation will be uninterrupted. In no event shall UBQUITI NETWORKS be responsible for damages or claims of any nature or description relating to system performance, including coverage, buyer’s selection of products (including the Products) for buyer’s application and/or failure of products (including the Products) to meet government or regulatory requirements.

Limitation of Liability

EXCEPT TO THE EXTENT PROHIBITED BY LOCAL LAW, IN NO EVENT WILL UBQUITI OR ITS SUBSI DIARIES, 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.

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

Cet appareil numérique de la classe A est conforme à la norme NMB-3(A) Canada.

Pour réduire le risque d’interférence aux autres utilisateurs, le type d’antenne et son gain doivent être choisis de façon que la puissance isotrope rayonnée équivalente (PIRE) ne dépasse pas ce qui est nécessaire pour une communication réussie.

Cet appareil est conforme à la norme RSS Industrie Canada exempts de licence norme(s). Son fonctionnement est soumis aux deux conditions suivantes:

1. Cet appareil ne peut pas provoquer d’interférences et
2. Cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement du dispositif.

**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.

Les antennes utilisées pour ce transmetteur doivent être installé en considérant une distance de séparation de toute personnes d’au moins 20 cm et ne doivent pas être localisé ou utilisé en conflit avec tout autre antenne ou transmetteur.

**CE Marking**

CE marking on this product represents the product is in compliance with all directives that are applicable to it.
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 desechar 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’imballo 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 hereby declares, that this UBIQUITI NETWORKS device, is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Norsk [Norwegian] 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.

Slovensky [Slovak] Týmto UBIQUITI NETWORKS, prehlasuje, že toto UBIQUITI NETWORKS zariadenie, je v súlade so základnými požiadavkami a ďalšími relevantnými ustanoveniami smernice 1999/5/ES.

Svenska [Swedish] Häremd 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.

Español [Spanish] 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.

Polski [Polish] Niniejszym, Ubiquiti Networks, oświadcza, że urządzenie UBIQUITI NETWORKS, jest zgodny z zasadniczymi wymaganiami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.

Português [Portuguese] UBIQUITI NETWORKS declara que este dispositivo UBIQUITI NETWORKS, está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Română [Romanian] 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.

Online Resources

Support  support.ubnt.com
Community  community.ubnt.com
Downloads  downloads.ubnt.com