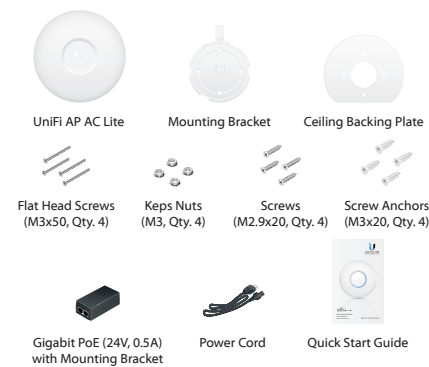




Introduction

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

Package Contents



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 18 mm hole for Ethernet cable feed)

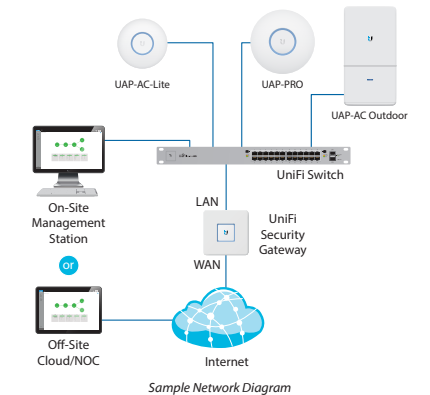
TERMS OF USE: All Ethernet cabling runs must use CAT5 (or above). It is the customer's responsibility to follow local country regulations, including operation within legal frequency channels, output power, indoor cabling requirements, and Dynamic Frequency Selection (DFS) requirements.

System Requirements

- 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 v4.6 or higher (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 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



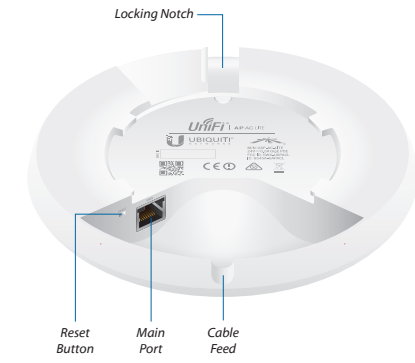
All UniFi devices support off-site management controllers. For setup details, see the User Guide on the website: documentation.ubnt.com/unifi

Hardware Overview

LED

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

Ports



Locking Notch The Locking Notch will be used with the Mounting Bracket to help secure the UniFi AP. (This is described further in the Mounting Bracket section.)

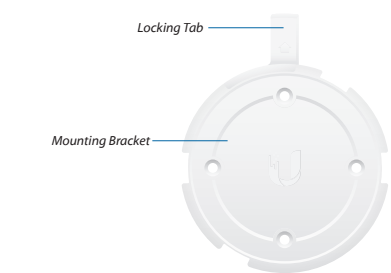
Main This Gigabit Ethernet port is used to connect the power and should be connected to the LAN and DHCP server. Power can be provided by the Gigabit PoE Adapter (included) or Ubiquiti Networks UniFi Switch.

Reset The Reset button serves two functions for the UniFi AP:

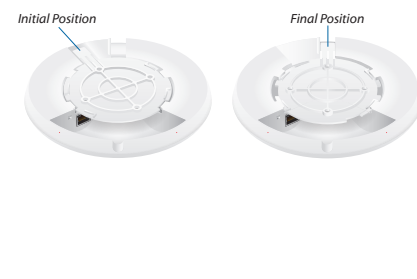
- **Restart** Press and release the Reset button quickly.
- **Restore to Factory Default Settings** Press and hold the Reset button for more than five seconds.

Cable Feed Use the Cable Feed slot to feed the Ethernet cable along the mounting surface.

Mounting Bracket



Locking Tab During installation, the Locking Tab on the Mounting Bracket moves from the Initial Position to the Final Position, where the Locking Tab fits securely into the Locking Notch on the UniFi AP to help prevent theft.



Hardware Installation

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

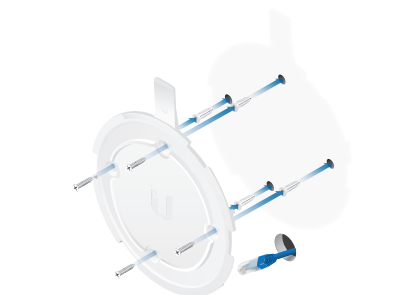
Wall Mount

1. Position the Mounting Bracket at the desired location on the wall with the arrow pointing up.
2. Use a pencil to mark the four mounting holes. Use a 6 mm drill bit to drill the mounting holes.

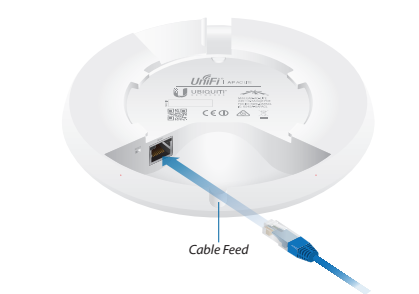


Note: 25 mm is the distance from the center of the bottom mounting hole to the center of the cable hole.

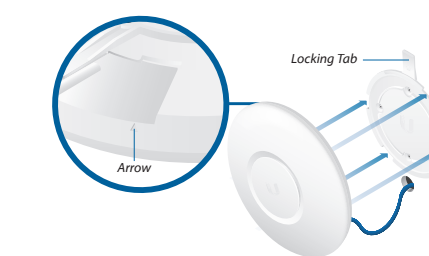
4. Insert the Screw Anchors into the 6 mm holes. Secure the Mounting Bracket to the wall by inserting the Screws into the anchors.



5. Connect the Ethernet cable to the Main port. If the feed is along the mounting surface, feed the cable through the Cable Feed of the UniFi AP.



6. Align the arrow on the UniFi AP with the arrow on the Locking Tab of the Mounting Bracket.



7. Ensure that the UniFi AP is firmly seated on the Mounting Bracket. Turn the UniFi AP clockwise until it locks into place and the Locking Tab fits securely into the Locking Notch.

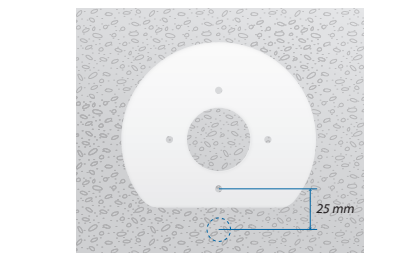


Ceiling Mount

1. Remove the ceiling tile.
2. Place the Ceiling Backing Plate in the center of the ceiling tile. Mark the four mounting screw holes.



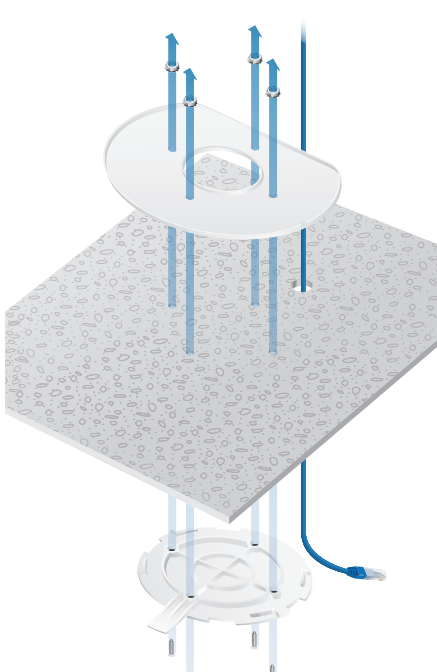
3. Mark a hole approximately 18 mm in diameter for the Ethernet cable feed.



Note: 25 mm is the distance from the center of the bottom mounting hole to the center of the cable hole.

4. Use a 3 mm drill bit to drill the screw holes, and cut or drill the hole for the Ethernet cable feed.

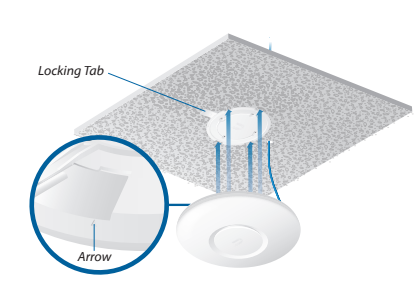
5. Insert the Flat Head Screws through the Mounting Bracket, ceiling tile, and Ceiling Backing Plate. Fasten the screws using the Keps Nuts. Then feed the Ethernet cable through the 18 mm hole.



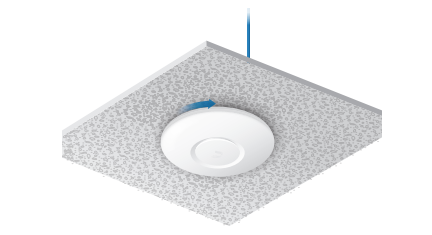
6. Connect the Ethernet cable to the Main port.



7. Align the arrow on the UniFi AP with the arrow on the Locking Tab of the Mounting Bracket.



8. Ensure that the UniFi AP is firmly seated on the Mounting Bracket. Turn the UniFi AP clockwise until it locks into place and the Locking Tab fits securely into the Locking Notch.



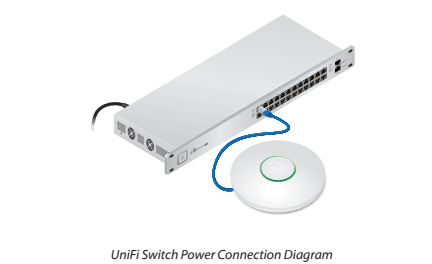
9. Set the ceiling tile back into place.

Powering the UniFi AP

The UniFi AP can be powered directly by a UniFi Switch or with the included Gigabit PoE Adapter.

Connecting to a UniFi Switch

Connect the other end of the Ethernet cable from the UniFi AP directly to a PoE port on the UniFi Switch.



Connecting to the PoE Adapter

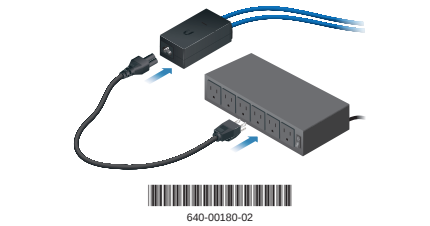
1. Connect the other end of the Ethernet cable from the UniFi AP to the Ethernet port labeled POE on the Gigabit PoE Adapter.



2. Connect an Ethernet cable from your LAN to the Ethernet port labeled LAN on the adapter.



3. Connect the Power Cord to the power port on the adapter. Connect the other end of the Power Cord to a power outlet.



Mounting the PoE Adapter (Optional)

- Slide the *PoE Mounting Bracket* down to remove it from the *Gigabit PoE Adapter*.



- Place the *PoE Mounting Bracket* at the desired location and mark the two holes. Pre-drill the holes if necessary, and then secure the bracket using two fasteners (not included).



- Align the slots of the *Gigabit PoE Adapter* with the tabs of the *PoE Mounting Bracket*, and then slide the adapter down.



This radio transmitter (FCC: SWX-UAPACL) has been approved by FCC to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Antenna Information: Dual-band antenna, Gain: 3 dBi

Industry Canada

CAN ICES-3(B)/NMB-3(B)

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:

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

Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices. This radio transmitter (IC: 6545A-UAPACL) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Antenna Information: Dual-band antenna, Gain: 3 dBi

CAN ICES-3(B)/NMB-3(B)

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:

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

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.

Software Installation

Download and install the latest version of the UniFi Controller software at: downloads.ubnt.com/uni

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/uni

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

UniFi AP AC Lite		
Dimensions	154.5 x 154.5 x 30.15 mm (6.08 x 6.08 x 1.19")	
Weight	175 g (266 g with Mounting Kits) 6.17 oz (9.38 oz with Mounting Kits)	
Networking Interface	(1) 10/100/1000 Ethernet Port	
Buttons	(1) Reset to Defaults	
Antennas	(2) Dual-Band Antennas, 3 dBi Each	
Wi-Fi Standards	802.11 a/b/g/n/ac	
Power Method	Passive PoE (Pairs 4, 5+; 7, 8 Return)	
Power Supply	24V, 0.5A Gigabit PoE Adapter (Included)	
Max. Power Consumption	6.5W	
Max. TX Power	2.4 GHz 20 dBm 5 GHz 20 dBm	
BSSID	Up to Four per Radio	
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 95% Noncondensing	

Safety Notices

- Read, follow, and keep these instructions.
- Heed all warnings.
- 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

- 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.
- There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.
- This equipment is provided with a detachable power cord which has an integral safety ground wire intended for connection to a grounded safety outlet.
 - 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.
 - 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.
 - Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.
 - Protective earthing is provided by Listed AC adapter. Building installation shall provide appropriate short-circuit backup protection.
 - 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:

- 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;
- has been painted, rebranded or physically modified in any way;
- has been damaged due to errors or defects in cabling;
- has been subjected to misuse, abuse, negligence, abnormal physical, electromagnetic or electrical stress, including lightning strikes, or accident;
- has been damaged or impaired as a result of using third party firmware;
- has no original Ubiquiti MAC label, or is missing any other original Ubiquiti label(s); or
- 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.

Declaration of Conformity

Česky [Czech]	UBIQUITI NETWORKS tímto prohlašuje, že toto UBIQUITI NETWORKS zařízení, je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Dansk [Danish]	Herved UBIQUITI NETWORKS, erklærer at denne UBIQUITI NETWORKS enhed, er i overensstemmelse med de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Nederlands [Dutch]	Hierbij verklaart UBIQUITI NETWORKS, dat deze UBIQUITI NETWORKS apparaat, in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EC.
English	Herby, UBIQUITI NETWORKS, declares that this UBIQUITI NETWORKS device, is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Eesti [Estonian]	Käesolevaga UBIQUITI NETWORKS kinnitab, et antud UBIQUITI NETWORKS seade, on vastavus olulistele nõuetele ja teistele asjakohastele sätetele direktiivi 1999/5/EÜ.
Suomi [Finnish]	Täten UBIQUITI NETWORKS vakuuttaa, että tämä UBIQUITI NETWORKS laite, on yhdenmukainen olennaisien vaatimusten ja muiden sitä koskevien direktiivin 1999/5/EY.
Français [French]	Par la présente UBIQUITI NETWORKS déclare que l'appareil UBIQUITI NETWORKS, est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Deutsch [German]	Hiermit erkläre UBIQUITI NETWORKS, dass sich dieses UBIQUITI NETWORKS Gerät, in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet.
Ελληνικά [Greek]	Δια του παρόντος, UBIQUITI NETWORKS, δηλώνει ότι αυτή η συσκευή UBIQUITI NETWORKS, είναι σε συμμόρφωση με τις βασικές απαιτήσεις και τις λοιπές σχετικές διατάξεις της οδηγίας 1995/5/ΕΚ.
Magyar [Hungarian]	Ezenel UBIQUITI NETWORKS kijelenti, hogy ez a UBIQUITI NETWORKS készülék megfelel az alapvető követelményeknek és más vonatkozó 1999/5/EK irányelv rendelkezéseit.
Íslenska [Icelandic]	Hér, UBIQUITI NETWORKS, því yfir að þetta UBIQUITI NETWORKS tæki er í samræmi við grunnkröfur og önnur viðeigandi ákvæði tilskipun 1999/5/EC.
Italiano [Italian]	Con la presente, UBIQUITI NETWORKS, dichiara che questo dispositivo UBIQUITI NETWORKS, è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti della direttiva 1999/5/CE.
Latviski [Latvian]	Ar šo, UBIQUITI NETWORKS, deklarē, ka UBIQUITI NETWORKS ierīce, ir saskaņā ar būtiskajām prasībām un citiem attiecīgiem noteikumiem Direktīvā 1999/5/EK.
Lietuviškai [Lithuanian]	UBIQUITI NETWORKS deklaruoja, kad šis UBIQUITI NETWORKS įrenginys atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvą nuostatas.

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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.

- This device may not cause harmful interference, and
- 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 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.

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.



Online Resources

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