

## Installation and User's Guides

This document contains an abbreviated version of the installation instructions for the AT-TQ4400e Wireless Access Point. For complete installation and management instructions, refer to the AT-TQ4400e Installation Guide and AT-TQ Wireless Access Point Series User's Guide on the Allied Telesis web site at [www.alliedtelesis.com/support](http://www.alliedtelesis.com/support).

## Safety and Electromagnetic Emissions Certificates

For Safety and Electromagnetic Emissions certificates, refer to the AT-TQ4400e Installation Guide.

## Installation Options

This quick installation guide explains how to install the device on a wall or pole.

### Note

The non-US model of this product has a country code setting that must be set during the initial management session of the unit. The setting ensures that the unit operates in compliance with the laws and regulations of your country or region.

The country code for the US model is preset and cannot be changed. Per FCC regulations, the country code setting for all WiFi products marketed in the US must be fixed to US operational channels only.

## Physical Description

For a physical description of the AT-TQ4400e Outdoor Wireless Access Point, refer to the AT-TQ4400e Installation Guide.

## Package Contents of the AT-TQ4400e Wireless Access Point

The following items should be in the shipping containers:

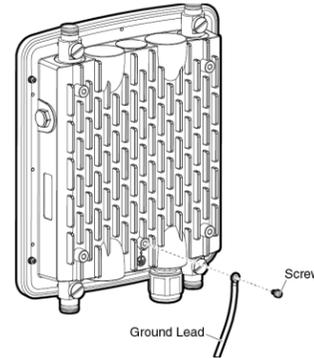
- One AT-TQ4400e Wireless Access Point
- This AT-TQ4400e Quick Installation Guide
- Two 5GHz antennas
- Two 2.4GHz antennas
- One mounting base
- One pole-mount bracket
- One O-ring clamp
- One ground cable
- Two antenna connector caps
- Four screws for the mounting base
- Four screws for the pole-mount bracket
- One screw for the ground cable

If any item is missing or damaged, contact your Allied Telesis sales representative for assistance. Retain the original shipping material in case you need to return the unit to Allied Telesis.

## Attaching the Ground Cable to the Access Point

You must attach the ground cable before installing the device on a wall or pole. To attach the ground cable to the access point, perform the following procedure:

1. Align the ground cable hole on the access point with the ring terminal of the ground cable.

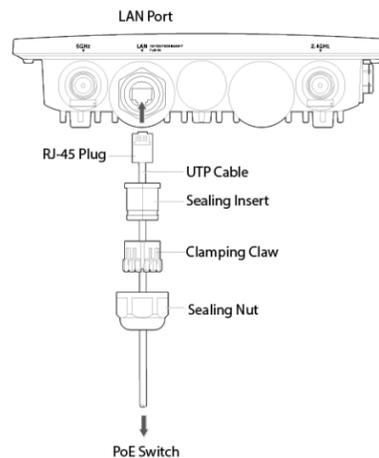


2. Drive the screw through the holes to attach the ground cable to the access point.
3. Cut off the extra length of the ground cable to make it connected straight to the ground point.
4. Attach the other terminal of the ground cable to a circuit breaker, ground rod, or earth ground.

## Connecting the Access Point with the Ethernet Cable

To connect the access point with the Ethernet cable, perform the following procedure:

1. Unscrew the sealing nut at the LAN port on the access point and remove the clamping claw and sealing insert.
2. Remove the rubber nail from the sealing insert.
3. Pass the LAN cable through the sealing nut, and attach the sealing insert and clamping claw to the cable.
4. Connect the RJ-45 plug into the LAN port and screw the sealing nut to the access point.



5. Connect the other RJ-45 plug to the PoE switch.

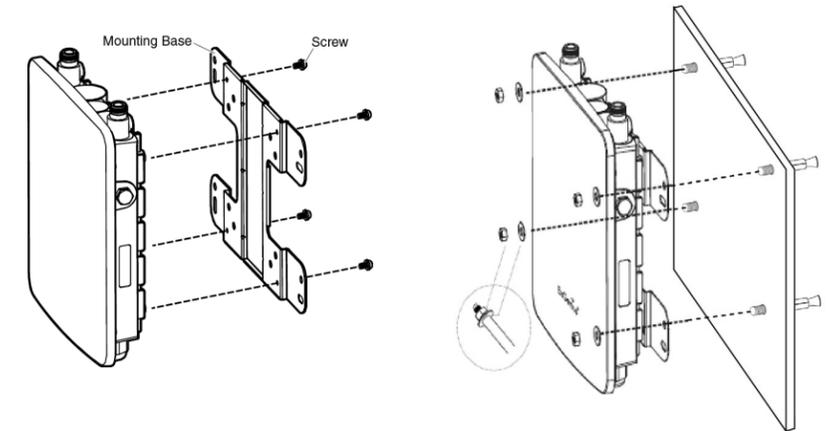
## Installing the Access Point on a Concrete Wall

To install the access point on a concrete wall, perform the following procedure:

### Note

To install the access point to a concrete wall, provide nuts, washers, and wall anchors; to install the access point on a regular wall, provide four tapping screws.

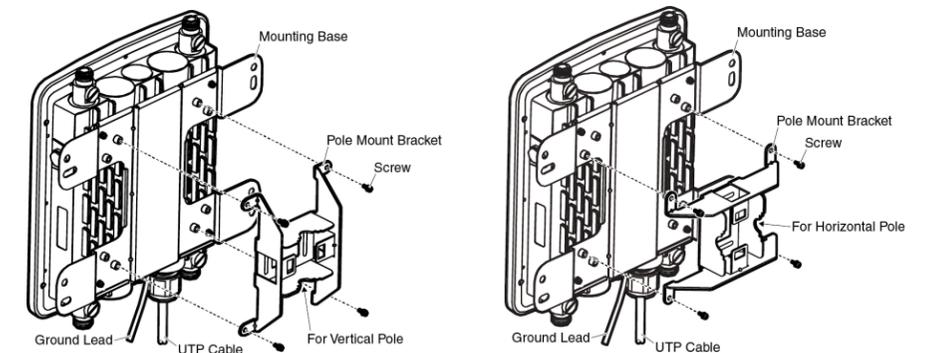
1. Using the mounting base as a template, mark four holes with a pencil.
2. Pre-drill the marked locations on a concrete wall.
3. Install the four bolts and four wall anchors into the holes you made in Step 2.
4. Attach the mounting base to the access point with the screws using a Phillips-head screwdriver.
5. Attach the nuts and washers to the bolts in the concrete wall to install the access point to the wall.



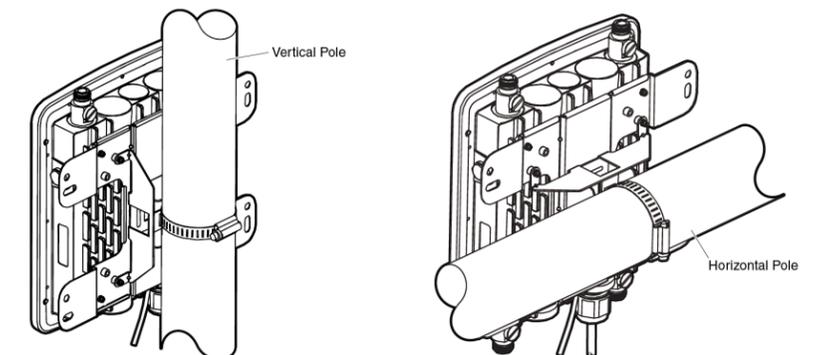
## Installing the Access Point on a Pole

To install to the access point to a pole, perform the following procedure:

1. Attach the mounting base to the access point with screws using a Phillips-head screwdriver.
2. Attach the pole-mount bracket for installing to either a vertical or horizontal pole using a Phillips-head screwdriver.



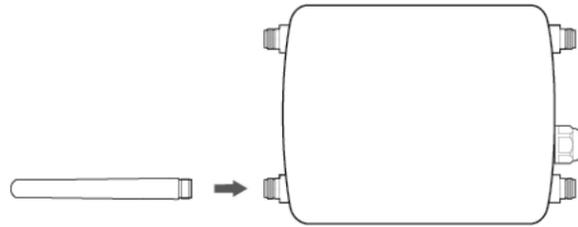
3. Attach the O-ring clamp to the pole-mount bracket.
4. Install the unit on the pole and tighten the O-ring clamp using the flat-head screwdriver.



## Attaching the Antennas to the Access Point

To attach the antennas to the access point, perform the following procedure:

1. Screw a 5GHz antenna into a 5GHz antenna connector. Repeat this step for the second 5GHz antenna.



2. Screw a 2.4GHz antenna into a 2.4GHz antenna connector. Repeat this step for the second 2.4GHz antenna.

## Starting the Initial Management Session

This section contains an abbreviated version of the procedure for starting the initial management session. For complete instructions, refer to the AT-TQ4400e installation Guide or AT-TQ Wireless Access Point Series User's Guide.

The wireless access point has a DHCP client. The default setting for the client is enabled. When you connect the access point to a PoE switch for the first time, the access point queries the subnet on the LAN port for a DHCP server. If a DHCP server responds to its query, the access point uses the IP address the server assigns to it. If there is no DHCP server, it uses the default IP address 192.168.1.230.

To start the initial management session, perform the following procedure:

1. Start the web browser on your management workstation.
2. Enter the IP address of the access point in the URL field of the web browser. The address is one of the following:
  - If your network does not have a DHCP server, enter the default address 192.168.1.230.
  - If your network has a DHCP server, enter the IP address the DHCP server assigned to the access point.

The access point displays the logon prompt.



3. Enter "manager" for the username and "friend" for the password. The username and password are case-sensitive.

## Setting the Country Setting

For instructions on setting the country setting, refer to the AT-TQ4400e installation Guide or AT-TQ Wireless Access Point Series User's Guide.

### Note

The non-US model of this product has a country code setting that must be set during the initial management session of the unit. The setting ensures that the unit operates in compliance with the laws and regulations of your country or region.

The country code for the US model is preset and cannot be changed. Per FCC regulations, the country code setting for all WiFi products marketed in the US must be fixed to US operational channels only.

## Federal Communication Commission Interference Statement

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 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 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.

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The transmission in the band from 5600-5650MHz is disabled by the software installed on the device. You cannot change this setting. This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

## Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 32cm between the radiator & your body.

## Industry Canada Statement

This device complies with RSS-247 of the Industry Canada 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.

Ce dispositif est conforme à la norme CNR-247 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

## Caution:

- (i) 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;
- (ii) the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit; and
- (iii) the maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.
- (iv) 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.

## Avvertimento:

Le guide d'utilisation des dispositifs pour réseaux locaux doit inclure des instructions précises sur les restrictions susmentionnées, notamment:

- (i) les dispositifs fonctionnant dans la bande 5 150-5 250 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;
- (ii) le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5 250-5 350 MHz et 5 470-5 725 MHz doit se conformer à la limite de p.i.r.e.;
- (iii) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5 725-5 825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.
- (iv) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

## Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 32cm between the radiator & your body.

## Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 32cm de distance entre la source de rayonnement et votre corps.

## European Union Restriction of the Use of Certain Hazardous Substances (RoHS) in Electrical and Electronic Equipment

This Allied Telesis RoHS-compliant product conforms to the European Union Restriction of the Use of Certain Hazardous Substances (RoHS) in Electrical and Electronic Equipment. Allied Telesis ensures RoHS conformance by requiring supplier Declarations of Conformity, monitoring incoming materials, and maintaining manufacturing process controls.

## Europe - EU Declaration of Conformity

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. For more information, refer to the AT-TQ4400e Installation Guide.

## Product Specifications

For product specifications, refer to the AT-TQ4400e Installation Guide.

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