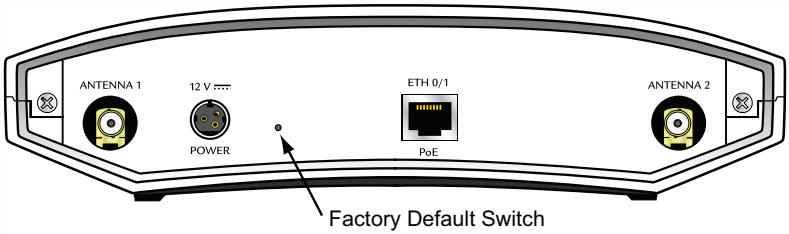
NetVanta 150 Wireless Access Point

P/N 1700412E1, 4700412E1, 4700412E1#IN

Installing the Antennas

The NetVanta 150 Wireless Access Point (WAP) ships with two dual-band RP-SMA detachable antennas. The antennas should be installed before mounting and operating the unit.

1. Place either of the two antennas directly onto the antenna port on the rear panel labeled **Antenna 1**. See the figure below to locate the antenna ports on the rear panel.
2. Twist the antenna onto the threads until it is secure.
3. Repeat Step 2 with the second antenna, attaching it to the **Antenna 2** port.
4. Once both antennas are secured, the antennas can be flexed at the joint to improve performance.



Wall Mounting Your WAP

Follow these instructions to mount your NetVanta 150 WAP on the wall.

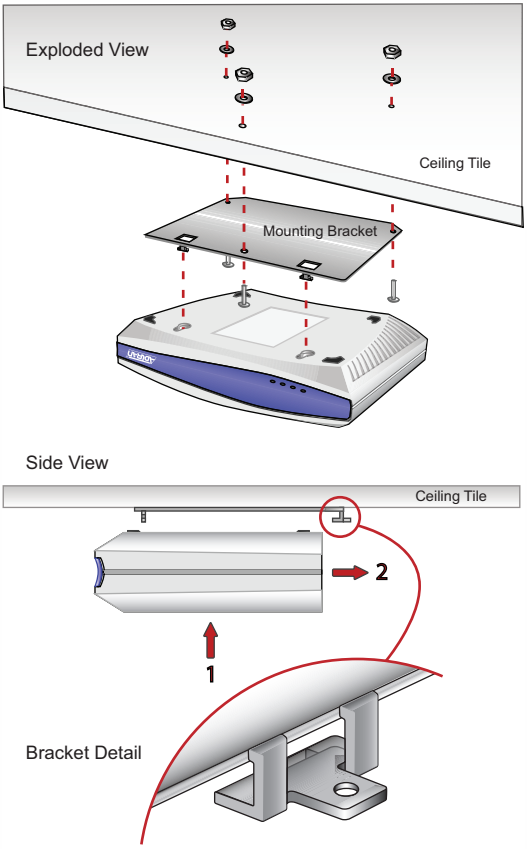
1. Install the antennas on the WAP.
2. Decide on a wall mounting location. Keep in mind that the unit needs to be mounted at or below eye level so that the LEDs are viewable.
3. Prepare the mounting surface by attaching a board (typically plywood, 3/4-inch to 1-inch thick) to a wall stud.

   Important! Mounting to a stud ensures stability. Using sheetrock anchors may not provide sufficient long-term stability.
4. Install two #8 PAN-head wood screws (1-inch or greater in length) into the mounted board, following these guidelines:
   - Screws should be spaced horizontally, approximately 4 inches apart.
   - Screws should be horizontally leveled with each other.
   - Leave approximately 1/4 inch of the screws protruding from the board to allow the heads of the screws to slide into place in the unit's keyed insets.
5. Slide the keyed insets on the bottom of the unit's chassis securely onto the screws.

Ceiling Mounting Your WAP

Follow these instructions to mount your NetVanta 150 WAP on the ceiling.

1. Install the antennas on the WAP.
2. Using the mounting bracket (P/N 1700405G1) as a template, drill three holes in the ceiling tile large enough for the #8-32 bolts.
3. Attach the mounting bracket to the ceiling tile using the provided #8-32 bolts, washers, and nuts in the order shown in the Exploded View.
4. Insert the downward extending prongs of the mounting bracket into the keyholes on the bottom of the unit as indicated by the Number 1 in the Side View.
5. Slide the unit backwards until the hook on the mounting bracket slides over the unit's plastic casing, and the mounting bracket prongs are locked into the unit's keyholes as indicated by the Number 2 in the Side View.
6. Attach all wires to the bracket using a wire tie through the hole located in the back of the hook shown in the Bracket Detail.



Supplying Power to the WAP

The NetVanta 150 WAP can be powered either by connecting the **ETH 0/1** Power over Ethernet (**PoE**) connector to a PoE-capable NetVanta unit or connecting the 12 VDC external power supply to the **POWER** connection. Both of these connectors are on the rear of the unit (see the figure on page 1). The external power supply is not automatically shipped with the NetVanta 150 WAP but a domestic (P/N 4700412E1) or international (P/N 4700412E1#IN) bundle containing the appropriate external power supply can be requested from ADTRAN or your reseller.

CONNECTING TO THE WAP

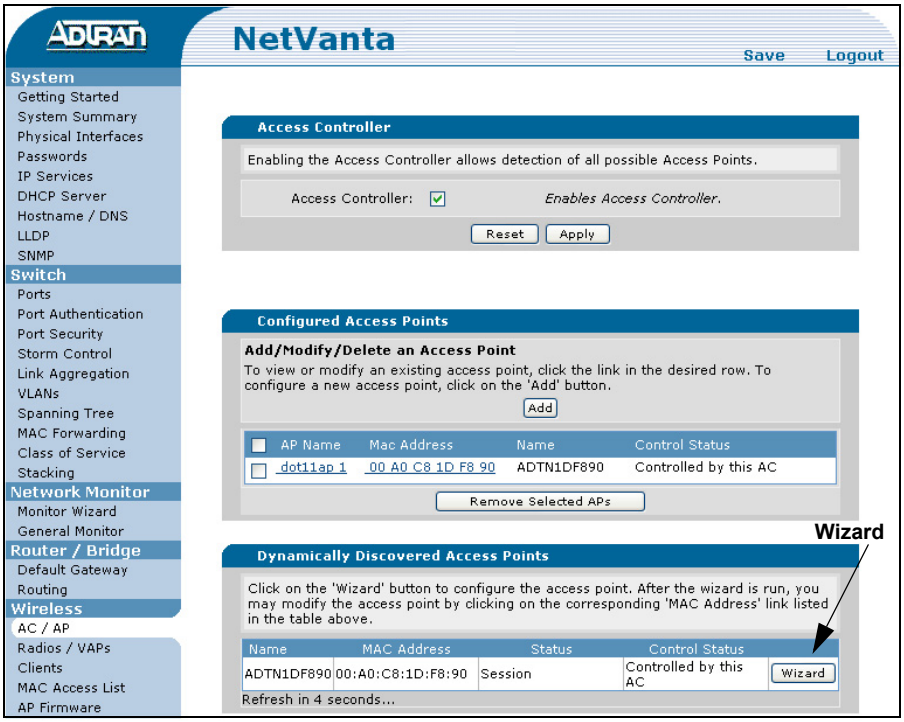
Using the provided Ethernet cable, connect the **ETH 0/1** port on the back of the NetVanta 150 WAP to the Ethernet port of the NetVanta controlling unit or to an Ethernet port on a unit that can be accessed by the controlling unit.

> **NOTE**
>
> *The 10/100Base-T Ethernet interface (**ETH 0/1**) **MUST NOT** be metallically connected to interfaces that connect to the outside plant (OSP) or its wiring. This interface is designed for use as an intrabuilding interface only. The addition of primary protectors is not sufficient protection to connect this interface metallically to OSP wiring.*

ACCESSING THE CONFIGURATION WIZARD

The Web-based graphical user interface (GUI) for your NetVanta controlling unit contains a configuration wizard that leads the user through the basic configuration of the dynamically discovered access points. Refer to the quick start guide shipped with your NetVanta controlling unit for instructions on accessing the GUI and configuring the unit's IP address.

From the initial GUI screen, expand the **Data** tab on the left side of the screen. Select **AC/AP** under the **Wireless** menu. Select the **Wizard** button next to the desired discovered access point.



NETVANTA 150 WAP LEDS

LED	Activity	Indication
STAT	Green (flashing)	Unit is powering up. On power up, the **STAT** LED flashes until the unit is ready for service. The **STAT** LED also flashes during firmware upgrade.
	Green (solid)	Power is on.
	Red (solid)	An error condition is present on the unit.
ETH	Off	There is no local area network (LAN) activity on the Ethernet port (or unit is powered off).
	Green (flashing)	LAN activity is present (traffic in either direction).
	Green (solid)	Powered device is connected to the Ethernet port (i.e., link integrity).
5 GHz/ 802.11a	Off	There is no 802.11a wireless activity detected or the radio is disabled.
	Green (flashing)	Data is being transmitted or received using the 802.11a wireless band. Data includes network traffic, as well as user data.
2.4 GHz/ 802.11b/g	Off	There is no 802.11b or 802.11g wireless activity detected or the radio is disabled.
	Green (flashing)	Data is being transmitted or received using the 802.11bg wireless band. Data includes network traffic, as well as user data.

CONFIGURING YOUR APPLICATION

More detailed documentation for configuring your ADTRAN unit is provided in the *NetVanta 100 Series Hardware Installation Guide*. For more detail on configuring your NetVanta controlling system, refer to the *AOS Command Reference Guide*, configuration guides, and technical support notes. Documentation is available online at http://kb.adtran.com.

Important: *For additional details on product features, specifications, installation, and safety, refer to the appropriate hardware installation guide on the* ***AOS Documentation*** *CD shipped with the NetVanta controlling unit and available online at http://kb.adtran.com.*

FACTORY DEFAULT SWITCH

- Press the factory default switch (see the figure on the page 1) once to reboot the unit.
- Press and hold the factory default switch for 30 seconds to overwrite your existing configuration with a default configuration and reboot the unit.