

# Installation Guide

## Insight Managed WiFi 6 AX1800 Outdoor Dual Band Access Point Model WAX610Y



### Package contents

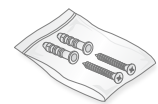
Outdoor Access Point Model WAX610Y



Pole mounting strap



Wall-mount screws and anchors



The package also includes a screw placement guide and the installation guide.

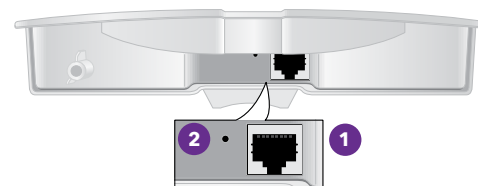
**NOTE:** The access point does not provide nor require a power adapter. To power up the access point, use an Ethernet cable to connect it to a PoE+ switch.

**WARNING:** If you connect the access point to a PoE+ switch that is located indoors, you must use an inline PoE+ Ethernet surge protector on the cable that connects the indoor switch to the WAX610Y access point located outdoors.

**CAUTION: Terms of Use**  
This device must be professionally installed. It is the installer's responsibility to follow local country regulations including operations within legal frequency channels, output power and DFS requirements. Vendor or Reseller or Distributor is not responsible for illegal wireless operations. Please see Device's Terms and Conditions for more details.

### Overview

Bottom view with cover removed



- 1 LAN/PoE+ port
- 2 Reset button



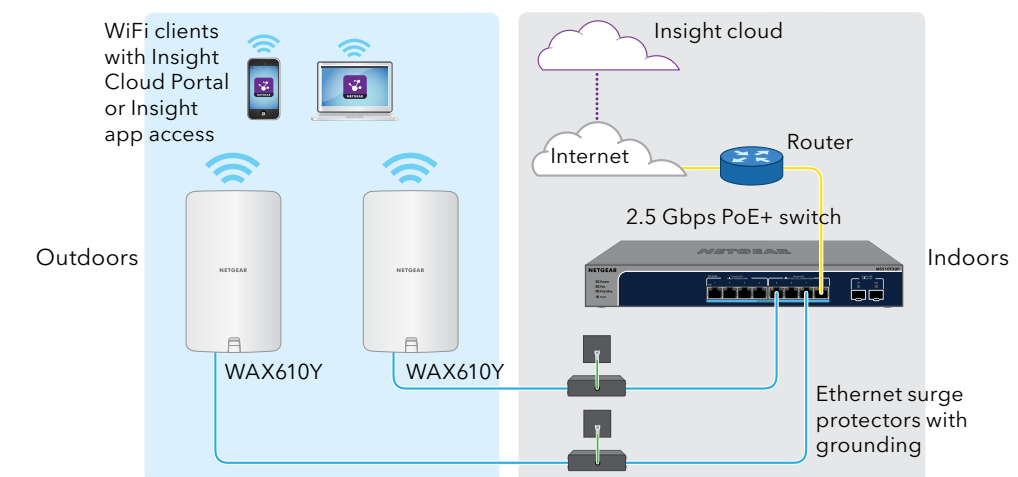
- 3 Power/Cloud LED
- 4 LAN LED
- 5 2.4 GHz WLAN LED
- 6 5 GHz WLAN LED

## 1. Connect to power and the Internet

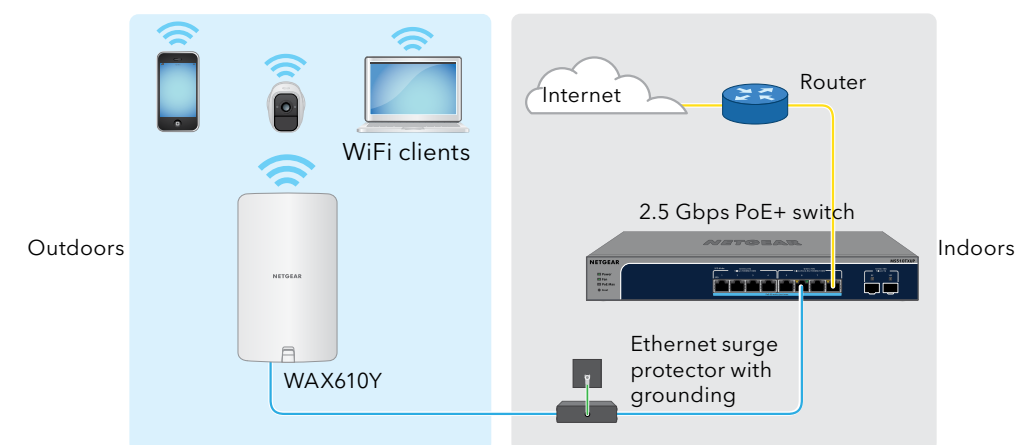
Power up the WAX610Y access point (AP) by connecting the LAN/PoE+ port to a PoE+ switch that supplies 802.3at (PoE+) power. The LAN/PoE+ port is on the bottom behind the cover.

- If needed, obtain a PoE+ Ethernet surge protector. If you use a PoE+ switch that is located indoors, you must use a PoE+ Ethernet surge protector (not supplied) on the cable from the switch to the AP located outdoors. The following figure shows such a setup.
- Use the latch on the front of the AP to open the cover. Carefully pull the latch toward you and pull the cover downward so that it slides out of the enclosure. The LAN/PoE+ port is now accessible.
- Connect the LAN/PoE+ port to a PoE+ switch. Make sure that the switch has Internet connectivity.

#### Sample connections for a NETGEAR Insight setup



#### Sample connections for a standalone setup



If connected to 2.5 Gbps equipment, the WAX610Y LAN/PoE+ port supports Ethernet speeds up to 2.5 Gbps within your LAN. The preceding figures show a NETGEAR MS510TXUP switch, which supports speeds of 2.5 Gbps and higher, as well as PoE+. If your Internet connection, modem, router, and switch support a speed of 2.5 Gbps, the AP's Internet connection also functions at 2.5 Gbps. Otherwise, the Internet connection functions at 1 Gbps, which is a common speed.

**NOTE:** The AP receives an IP address from a DHCP server (or a router that functions as a DHCP server) in your network. If your network does not include a DHCP server, the AP uses its default IP address: 192.168.0.100.

After starting up and during setup, the AP's LEDs can light in these colors:

<b>Power/Cloud</b>		<b>Solid amber initially and then blinking amber slowly:</b> The AP is starting, the firmware is being upgraded, or the AP is trying to get an IP address.
		<b>Solid green:</b> The AP started up and is functioning either as a standalone AP or as an Insight-discovered AP that is not currently connected to the Insight cloud.
		<b>Solid blue:</b> The AP is functioning in Insight mode and is connected to the Insight cloud.
<b>LAN</b> (one of two speed options)		<b>Solid green:</b> The LAN port detects a speed of 2.5 Gbps.
		<b>Solid amber:</b> The LAN port detects a speed of less than 2.5 Gbps, such as 1 Gbps (which is a common speed).
<b>2.4 GHz WLAN</b> <b>5 GHz WLAN</b>		<b>Solid green:</b> The radio is operating without clients.
		<b>Solid blue:</b> The radio has at least one connected client.
		<b>Blinking blue:</b> The radio is processing traffic.

For more information about the LEDs, see the user manual, which you can download by visiting [netgear.com/support/download](https://netgear.com/support/download).

## 2. Configure and manage the AP

To configure and manage the AP, use one of the methods described in the following table.

A.	Remotely	Cloud/remote mode	<b>NETGEAR Insight Cloud Portal</b> See <a href="#">A. Configure the AP with the NETGEAR Insight Cloud Portal</a>
B.	Remotely	Cloud/remote mode	<b>NETGEAR Insight app</b> See <a href="#">B. Configure the AP with the NETGEAR Insight app</a>
C.	Locally	Standalone mode	<b>Web browser</b> See <a href="#">C. Configure the AP as standalone in a web browser</a>

Insight remote management offers additional features and add-on services that are not available in standalone mode. Your new Insight-manageable device comes with Insight included. For more information, visit the following pages:

- <https://www.netgear.com/business/services/insight/subscription/>
- <https://kb.netgear.com/000061848/How-do-I-use-NETGEAR-s-one-year-of-Insight-included-subscription>

### A. Configure the AP with the NETGEAR Insight Cloud Portal

- Make sure that the AP is connected to the Internet.
- On a computer or tablet, visit <https://insight.netgear.com/>.
- Enter the email address and password for your NETGEAR account and click the **NETGEAR Sign In** button. If you do not already have a NETGEAR account, you can create an account now.
- Only if you are an Insight Pro user, select the organization to which you want to add the AP.
- Select the location to which you want to add the AP.
- Click the **+ (Add Device)** button.

*Continued on the next page.*



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**NOTE:** If you are an Insight Pro user, you can either add a single device or you can add multiple Insight managed devices by uploading a device list as a CSV file.

- In the Add New Device pop-up page, enter the AP's serial number, and then click **Go**.
- After Insight verifies that the AP is a valid product, you can optionally change the device name of the AP, and then click **Next**.

When the AP is successfully added to the portal, a page displays a confirmation that setup is in progress.

**NOTE:** If the AP is online but Insight does not detect the AP, the firewall at the physical location where the AP is located might prevent communication with the Insight cloud. In that situation, add port and DNS entries for outbound access to the firewall. For more information, see <https://kb.netgear.com/000062467>.

The AP automatically updates to the latest Insight firmware and Insight location configuration. This might take up to 10 minutes, during which time the AP will restart.

The AP is now an Insight managed device that is connected to the Insight cloud-based management platform. If the Power/Cloud LED was solid green, it now lights solid blue.

- Use the Insight Cloud portal or Insight app to configure and manage the AP.

## B. Configure the AP with the NETGEAR Insight app

- Connect your mobile device to the AP's setup SSID (WiFi network name).

The setup SSID is on the AP label on the bottom of the AP and is shown in the format NETGEARxxxxxx-SETUP, where xxxxxx are the last six digits of the AP's MAC address. The default WiFi passphrase is **sharedsecret**.

- Open the NETGEAR Insight app.  
If you do not already have a NETGEAR account, you can create an account now.

- Enter the email address and password for your account and tap **LOG IN**.
- Select an existing network location, or, to create a new network location, tap the **Next button**, and then tap **OK**.

The device admin password that you entered for the new network location replaces the existing admin password on all devices that you add to the network location.

In most situations, Insight detects the AP automatically, which can take several minutes.

- To add the AP to your network location, do one of the following:
  - If the AP is automatically detected and listed in the Insight Manageable Devices section, tap the **AP icon**, and then tap the **ADD DEVICE** button.
  - If the AP is not automatically detected, or you prefer to use another method to add the AP, tap the **+** icon in the top bar, and do one of the following:
    - Tap the **SCAN BARCODE OR QR CODE** button, and then scan the AP's code.
    - Tap the **Enter Serial Number** link, and then manually enter the AP's serial number.

- If prompted, name the AP and tap the **Next** button.

The AP automatically updates to the latest Insight firmware and Insight location configuration. This might take up to 10 minutes, during which time the AP will restart.

The AP is now an Insight-managed device that is connected to the Insight cloud-based management platform. If the Power/Cloud LED was solid green, it now lights solid blue.

- Use the Insight app or Insight Cloud portal to configure and manage the AP.

## C. Configure the AP as standalone in a web browser

Use this method if you want to operate the AP in standalone mode.

- Connect your computer or mobile device to the AP's setup SSID (WiFi network name).  
The setup SSID is on the AP label on the bottom of the AP and is shown in the format NETGEARxxxxxx-SETUP, where xxxxxx are the last six digits of the AP's MAC address. The default WiFi passphrase is **sharedsecret**.
- On your computer, launch a web browser and, in the address bar, enter **aplogin.net**.  
Your browser might display a security warning because of the self-signed certificate on the AP, which is expected behavior. You can proceed, or add an exception for the security warning. For more information, see <https://kb.netgear.com/000062980/>.
- Enter the AP user name and default password. The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.
- Select the **Web-browser (Local)** radio button.  
The Day Zero Easy Setup page displays.  
A message displays to indicate that your settings are being applied.

- If the WiFi connection of your computer or mobile is terminated, reconnect to the AP using the new SSID and WiFi passphrase that you set on the Day Zero Easy Setup page.
- When the login page displays, you can log in to the AP using your new admin password to configure the AP.

For information about configuring the AP, see the user manual, which you can download by visiting [netgear.com/support/download](https://www.netgear.com/support/download).

We recommend that you register your AP with Netgear.

- To register your AP with NETGEAR:
  - From a computer or mobile device that is connected to the Internet, visit [my.netgear.com](https://my.netgear.com).
  - Log in to your NETGEAR account.  
If you do not already have a NETGEAR account, you can create an account now.  
The My Products page displays.
  - From the menu on the left, select **Register a Product**.
  - In the **Serial Number** field, type the serial number of your AP.  
The serial number is 13 digits long. It is printed on the AP label.
  - From the Date of Purchase menu, select the date that you purchased the AP.
  - Click the **REGISTER** button.  
Your AP is registered to your NETGEAR account.  
A confirmation email is sent to your NETGEAR account email address.

## Installation options

You can mount the AP to a wall. The package includes two screws, two washers, and a paper screw placement guide.

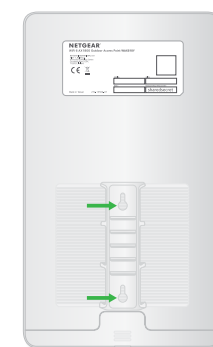
You can also mount the AP to a pole. The package includes a pole mounting strap.

- !** **NOTE:** Before you mount the AP at a permanent location outdoors, we recommend that you configure the AP for your network environment and test your setup.

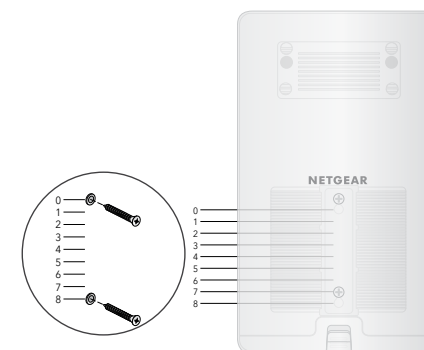
## Mount to a wall

**!** **CAUTION:** Make sure that the wall is not damaged.

The back of the AP provides two holes for wall mounting. The arrows in the following figure show the holes.



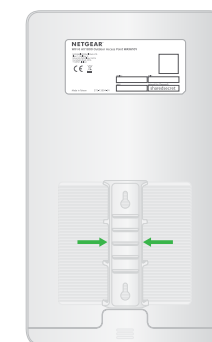
- Using the screw placement guide, mark the location for the holes on the wall where you want to mount the AP.  
The holes must be 3.15 in. (80 mm) apart, center to center.



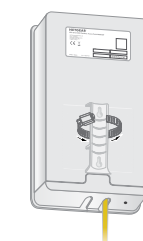
- Drill holes into the wall for the two anchors in which you will insert the screws.  
The screws and anchors are in a plastic bag in the package.
- Insert the anchors into the wall and tighten the screws with a No. 2 Phillips screwdriver.  
Leave about 0.25 in. (6 mm) of each screw protruding from the wall so that you can insert the screws into the holes on the back of the AP.
- Line up the holes on the back of the AP with the screws in the wall and mount the AP to the wall.

## Mount to a pole

The back of the AP provides openings for the pole mounting strap. The arrows in the following figure show the middle opening.



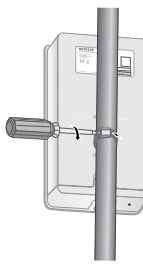
- Using a screwdriver, open the supplied pole-mounting strap.
- Insert the strap through one of the openings on the back of the AP.



- With the strap still open, wrap the strap with the attached AP around the pole.
- Close the strap but do not tighten it.



- Move the strap with the AP attached to its permanent position.
- Using the screwdriver, tighten the screw to secure the strap and AP to the pole.



## Support and Community

Visit [netgear.com/support](https://www.netgear.com/support) to get your questions answered and access the latest downloads.

You can also check out our NETGEAR Community for helpful advice at [community.netgear.com](https://community.netgear.com).

## Regulatory and Legal

Si ce produit est vendu au Canada, vous pouvez accéder à ce document en français canadien à <https://www.netgear.com/support/download/>.

(If this product is sold in Canada, you can access this document in Canadian French at <https://www.netgear.com/support/download/>.)

For regulatory compliance information including the EU Declaration of Conformity, visit <https://www.netgear.com/about/regulatory/>.

See the regulatory compliance document before connecting the power supply.

For NETGEAR's Privacy Policy, visit <https://www.netgear.com/about/privacy-policy>.

By using this device, you are agreeing to NETGEAR's Terms and Conditions at <https://www.netgear.com/about/terms-and-conditions>. If you do not agree, return the device to your place of purchase within your return period.

Applicable to 6 GHz devices only: Only use the device indoors. The operation of 6 GHz devices is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

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