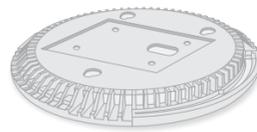# NETGEAR®
**B U S I N E S S**

# Installation Guide

Insight Managed WiFi 6E AX7800 Tri-band Multi-Gig Access Point

Model WAX630E

Model WAX630EP

## Package contents

Access Point Model WAX630E

Mounting plate

Model WAX630EP only: power adapter (varies by region)

3 Phillips head screws and anchors for mounting

**NOTE:** You can power up the WAX630E by connecting it to a PoE++ switch or power adapter. Model WAX630EP includes a power adapter, or you can purchase one separately.

## Overview

1. Power/Cloud LED
2. LAN 1 LED
3. LAN 2 LED
4. 2.4 GHz WLAN LED
5. 5 GHz WLAN LED
6. 6 GHz WLAN LED
7. LAN 2 port
8. LAN 1/PoE++ port
9. Reset button
10. DC power connector

⚠️ **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.

## 1. Connect to power and Internet

Power up the WAX630E access point (AP) by attaching a power adapter, or by connecting the LAN 1/PoE++ port to a PoE++ switch that supplies 802.3bt power (60W PoE++ per port).

Make sure that the AP has Internet connectivity:

- If you connect the AP to a switch, make sure that the switch has Internet connectivity.
- If you connect a power adapter to provide power, use an Ethernet cable to connect the LAN 1/PoE++ on the AP to a router or other network device on a network with Internet connectivity.

**Sample connections**

WAX630E

2.5 Gbps PoE++ switch

WiFi clients

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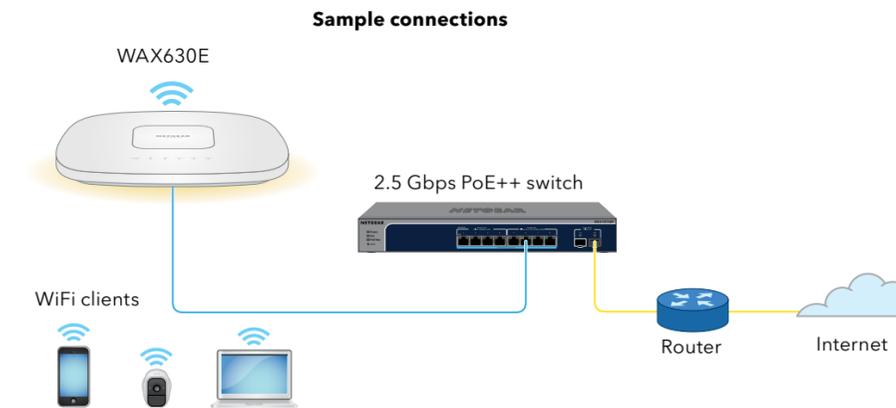
After starting up and during setup, the AP's LEDs can light in these colors:

| Power/Cloud | | |
|---|---|---|
| | ☀️ | **Slow blinking amber**: The AP is starting, the firmware is being upgraded, or the AP is trying to get an IP address. |
| | 🟢 | **Solid green**: The AP started up, and functions either as a standalone AP or as an Insight-discovered AP that is not currently connected to the Insight cloud. |
| | 🔵 | **Solid blue**: The AP functions in Insight mode and is connected to the Insight cloud. |
| LAN 1 (one of two speed options) | 🟢 | **Solid green**: The LAN 1 port detects a speed of 2.5 Gbps. |
| | 🔴 | **Solid amber**: The LAN 1 port detects a speed of less than 2.5 Gbps, such as 1 Gbps (which is a common speed). |
| LAN 2 (one of two speed options) | 🟢 | **Solid green**: The LAN 2 port detects a speed of 1 Gbps. |
| | 🔴 | **Solid amber**: The LAN 2 port detects a speed of 100 or 10 Mbps. |
| 2.4 GHz WLAN 5 GHz WLAN 6 GHz WLAN | 🟢 | **Solid green**: The radio is operating without clients. |
| | 🔵 | **Solid blue**: The radio has at least one connected client. |

For more information about the LEDs, see the user manual, which you can download by visiting netgear.com/support/download.

The WAX630E LAN 1/PoE++ port supports Ethernet speeds up to 2.5 Gbps. The preceding figure shows a NETGEAR MS510TXUP switch, which supports speeds of 2.5 Gbps and higher, as well as PoE++. However, if your Internet connection, modem, or switch only support a speed of 1 Gbps (which is a common speed), the AP's LAN 1 connection functions at 1 Gbps.

## 2. Configure the AP

You can manage the AP remotely in cloud/remote mode using NETGEAR Insight, or locally in standalone mode using a web browser.

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 www.netgear.com/insight/subscription.aspx.

### Configure the AP with NETGEAR Insight

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.

1. 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 password is **sharedsecret**.

2. Open the NETGEAR Insight app.

   If you do not already have an Insight account, you can create one now.

3. Enter the email address and password for your Insight account and tap **LOG IN**.

4. 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.

5. In the Insight Manageable Devices section, tap the **AP icon**.

   If you don't see the AP icon, use a pull down gesture to refresh the screen.

6. Tap the **ADD DEVICE** button.

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

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

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

## Configure the AP in a web browser

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

1. From a computer or mobile device that is connected to the Internet, visit my.netgear.com.

2. Log in to your NETGEAR account.

   **NOTE:** If you don't have a free NETGEAR account, you can create one.

   The My Products page displays.

3. From the menu on the left, select **Register a Product.**

4. In the **Serial Number** field, type the serial number of your switch.

   The serial number is 13 digits long. It is printed on the switch label.

5. From the Date of Purchase menu, select the date that you purchased the switch.

6. Click the **REGISTER** button.

   Your switch is registered to your NETGEAR account.

   A confirmation email is sent to your NETGEAR account email address.

7. Using a DHCP server or an IP network scanner, discover the AP's IP address.

   The AP is assigned an IP address from a DHCP server in your network. The DHCP service may be hosted on a router, gateway, modem/router, or computer. If your network does not include a DHCP server, or if you cable the AP directly to your computer, the AP uses its default IP address: 192.168.0.100.

8. On your computer, launch a web browser and, in the address bar, enter the IP address of the AP.

9. 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/.

10. 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.

11. Select the **Web-browser (Local)** radio button.

    The Day Zero Easy Setup page displays.

12. Follow the instructions in the Day Zero Easy Setup page, and then click the **Apply** button.

    We recommend that you make a note of the new admin password, SSID (WiFi network name), WiFi passphrase, and IP address to keep in a safe place.

    A message displays to indicate that your settings are being applied.

13. When the login page displays, you can log in to the AP using your new admin password to configure the AP.

## Mounting options

You can mount the AP to a solid surface (a wall or a ceiling).

We recommend that you use a flat Ethernet cable so that the cable fits in the narrow space between the AP and the surface on which it is mounted.

Before you mount the AP, we recommend that you first set up and test the AP to verify WiFi network connectivity and coverage.

**NOTE:** If you are mounting the AP on a ceiling, follow the instructions on how to mount the AP on a wall.

## Mount the AP on a wall or ceiling

1. Place the mounting plate on the wall.
2. Mark the wall where the mounting holes are.
3. Use the wall anchors and screws to attach the mounting plate to the wall.
4. Connect cables to the AP.
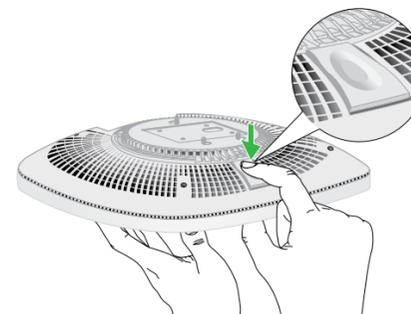5. Attach the AP to the mounting plate.
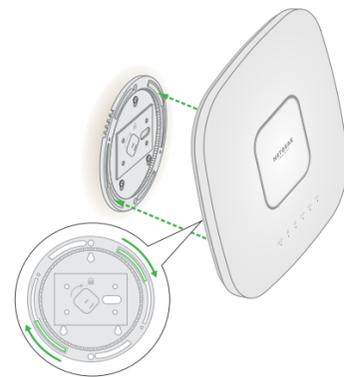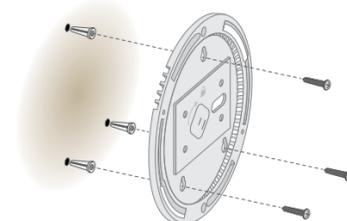


6. Twist the AP clockwise to lock it onto the mounting plate.
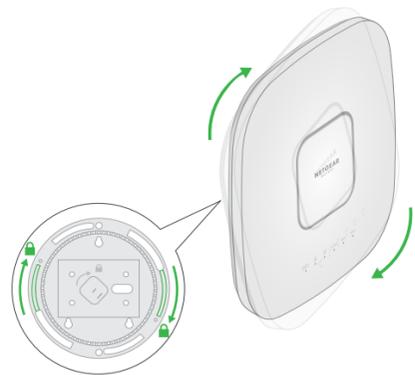


## Unmount the AP

**IMPORTANT:** Make sure you hold the AP so that it does not drop when you release it from the mounting plate.

1. To find the locking latch, place your thumb on the center of the LEDs, and your finger on the other side of the device, directly opposite the thumb.

2. Press and hold the latch down to release the lock and keep the lock open.



3. Turn the AP counterclockwise until the AP releases from the mounting plate.

   The mounting plate remains attached to the ceiling or the wall.
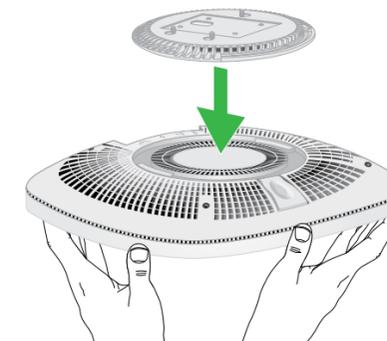


## Support and Community

Visit 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.

## 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.

Do not use this device outdoors. The PoE source is intended for intra building connection only.

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.