

READ ME FIRST

QUICK INSTALL GUIDE



AC1200 Dual-Band Outdoor Wireless Access Point

XAP-1440

Includes:

- ▶ XAP-1440 Wireless Access Point
- ▶ PoE Injector and Power Cord
- ▶ Mounting Bracket and Hardware
- ▶ Ethernet Cable

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READ ME FIRST - CONTROLLER COMPATIBILITY

This XAP-1440 is compatible with the Luxul Wireless Controller for fast, easy configuration and deployment of wireless networks with multiple APs.

✓ Note: *If you'll be using this AP with a Wireless Controller, refer to the Quick Install Guide included with the Wireless Controller for setup instructions.*

AP SETUP AND CONFIGURATION

1 Physical Installation

The XAP-1440 access point is designed for simple and efficient installation. However, due to the inherent complexity of outdoor installation, installation should be performed only by experienced professionals.

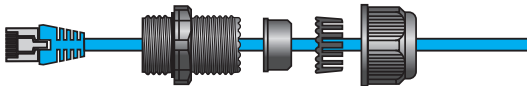
Because the signal generated by the XAP-1440 is directional, the unit should be located at the perimeter of the desired coverage area, with the large flat surface aimed toward the center.

Mounting the Access Point

Mounting the access point is a simple process outlined in the following steps.

1. Refer to the included Mounting Guide leaflet to assemble the mount and secure the AP to a pole or wall mount.

2. Thread the Ethernet cable through the cable gland assembly as shown, connect it to the Ethernet connector, secure the cable gland to the threaded recess on the access point, then tighten the cable gland nut to secure and seal the cable gland.



Cable gland exploded view

3. Adjust the access point for best performance. The vertical elevation angle can be adjusted with the four hex screws on the mount, while the horizontal angle can be adjusted by loosening the clamp and rotating the assembly on the pipe.

⚠ CAUTION: To comply with RF regulations, the AP should be adjusted from 0 to -20 degrees (horizontal to downward-facing).

⊗ Warning: Do not locate the access point where it can come into contact with overhead power lines or other electric circuits. When installing the antenna, take extreme care not to come into contact with such circuits, as they may cause serious injury or death.

✓ Note: For proper installation and grounding of the antenna, please refer to national and local codes (e.g. U.S.: NFPA 70, National Electrical Code, Article 810, Canada: Canadian Electrical Code, Section 54). Statement 280.

AP SETUP AND CONFIGURATION CONT.

2 Connecting Ethernet and Power

Ethernet and Power

The XAP-1440 is PoE ready and supports 802.3at PoE. A PoE injector is included with the device. To apply power, simply connect the end of the Ethernet cable to which the access point is connected to the provided PoE injector or other PoE switch. An Ethernet cable length of up to 300 feet can be used.

✓ **Note:** *Luxul recommends at least Cat-5e unshielded twisted pair (CAT5e UTP) cabling. To ensure best performance and stable data transmission at 1000 Mbps, use Category-6 unshielded twisted pair (CAT6 UTP).*

PoE Injector Setup

- ▶ **Data In:** Connect an Ethernet cable from your router or switch to the **Data In** port of the included PoE Injector
- ▶ **Data & PWR Out:** Connect an Ethernet cable from the **Data & PWR Out** port of the included PoE Injector to the PoE Port of the XAP-1440
- ▶ **AC Power:** Connect the included AC Cord to the Power Input of the Included Injector first and then to the AC outlet.



3 Preparing for Access

IP Addressing

If the XAP-1440 is connected to a network with a 192.168.0.X address scheme, and your computer shares a similar address on the same network, you can skip to the next step, **Access and Setup**.

✔ **Note:** *If another device on your network shares the 192.168.0.10 address, you'll need to temporarily reassign or remove that device while you configure the XAP-1440.*

If your network uses an address scheme other than 192.168.0.X, you'll need to set a temporary static IP address on the computer you're using for configuration. To do so, set the IP address of your computer to an address in the 192.168.0.X range.

Once you're finished configuring the AP, you can return your computer's IP configuration to normal, typically "Obtain Automatically/DHCP."

✔ **Note:** Visit <http://luxul.com/ip-addressing> to learn more about changing your computer's IP address and getting connected.

✔ **Note:** *The XAP-1440 is not a router and will need to be connected to a network with a router in order to deliver Internet access.*

4 Access and Setup

Getting Connected

- ▶ **Connecting Via an Ethernet Device:** Use Ethernet cable to connect your computer to the PoE switch or PoE injector to which the XAP-1440 is connected. Ethernet is the preferred method of connection.
- ▶ **Connecting Via a Wireless Device:** Connect your client device to the XAP-1440 default wireless network named **Luxul_XAP-1440**. The wireless network will run in Open Security mode, so no passphrase is required until Wireless Security is configured.

Logging In

To access the AP's web configuration, open your web browser and enter the AP's default 192.168.0.10 IP address in the address field. Log in to the AP using the default user name and password:

Default IP: 192.168.0.10

Username: admin

Password: admin

Once logged in, use Quick Setup and follow the online help to configure the access point as desired.

5 Hardware Operation

LED Indicators

The LED indicators are located on the bottom portion of the enclosure, near the cable gland.

PWR: If the green Power LED is On, the XAP-1440 is powered. If the Power LED is Off, the XAP-1440 is not receiving power. The Power LED blinks when the XAP-1440 is booting.



WLAN: If the blue LED is On, the wireless radio is active and wireless access is enabled. Off indicates the wireless radio is not active and wireless access is disabled.

PoE Injector: If the Green ON LED is illuminated, power is connected to the injector. If the ON LED is not lit, the injector is not receiving power.

Reset Button: The Reset button is located inside the cable gland opening of the XAP-1440 and is used to restore factory default settings. To Restore Default Settings, with the XAP-1440 powered on, press and hold the Reset button for approximately 10 seconds, then release.



CAUTION: *Holding the Reset button for more than a few seconds will restore the AP to factory default and remove any custom configuration.*

Sales

801-822-5450
sales@luxul.com

Technical Support

801-822-5450
support@luxul.com

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