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READ ME FIRST

QUICK INSTALL GUIDE

Wireless Controller
XWC-2000

Package Contents:
- XWC-2000 Wireless Controller
- Rack mount kit
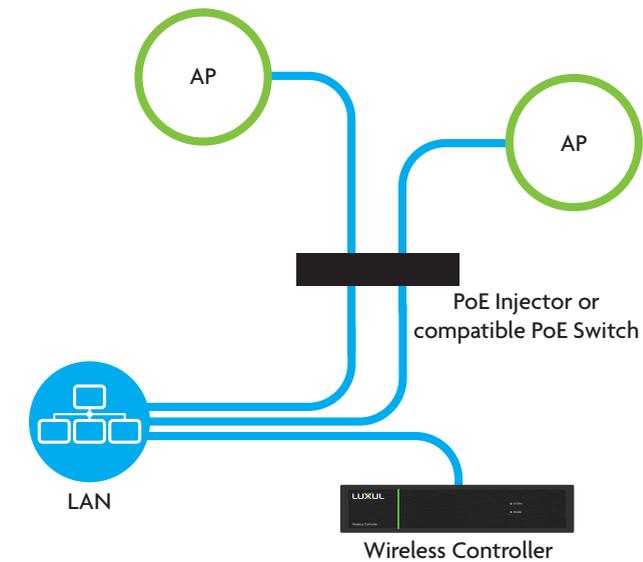- Rubber feet
- Power cord
- LAN cable

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BEFORE YOU BEGIN INSTALLATION

- **Controller Setup Sequence:** Once you configure the XWC-2000 Wireless Controller, the controller will automatically configure and manage all compatible APs on the same subnet; however, APs can be added or removed at any time. A DHCP server is required on the network.

- **Firmware Updates:** The XWC-2000 Wireless Controller automatically checks for firmware updates of controller-compatible APs and the Wireless Controller itself but requires internet access to do so. The Wireless Controller will still operate without internet access, but firmware updates will not be available.
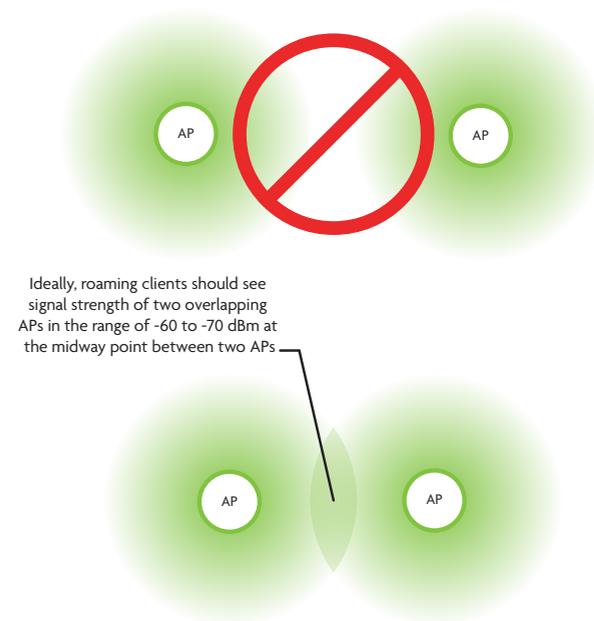
1 Physical Installation

- **Connecting Devices:** The XWC-2000 Wireless Controller simply connects to the network along with any compatible access points.

AP

AP

PoE Injector or compatible PoE Switch

LAN

Wireless Controller

▶ **Access Point Placement:** Place APs to ensure adequate coverage but not so far apart there is no signal overlap. You may have to experiment with AP placement to optimize the roaming experience. The APs should overlap enough that the client device has a good connection to the AP to which it is currently attached but also sees the next-nearest AP.

Ideally, roaming clients should see signal strength of two overlapping APs in the range of -60 to -70 dBm at the midway point between two APs

✅ **Note:** *Visit luxul.com/ap-placement for details on how to select and optimize AP placement.*

✅ **Note:** *Consider using Ekahau HeatMapper to assist with this process, available from www.ekahau.com. Luxul also offers an informative "How-To" video on HeatMapper at luxul.com/how-to-videos.*

Physical Installation (cont.)

Connect Ethernet and Power

▶ Use an Ethernet cable to plug the XWC-2000 Wireless Controller into the network, then connect the Wireless Controller power cable.

▶ Connect any APs to the network (or ensure they're connected).

② Preparing for Access

IP Addressing

If the XWC-2000 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:** *Be sure a DHCP server is present on the network and that all Luxul APs and the XWC-2000 Wireless Controller will share the same subnet.*

✅ **Note:** *If your network uses a 192.168.0.X IP address scheme, you are ready to start the setup process. If not, you will need to manually change the IP address of your computer to be able to configure the XWC-2000 Wireless Controller so that it is on the same subnet as your network. For help setting the IP address of your particular operating system, visit luxul.com/ip-addressing.*

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③ Getting Connected

Access the Setup Wizard by opening your web browser and entering the Wireless Controller's default 192.168.0.19 IP address in the address field. Log in to the Wireless Controller using the default user name and password:

Default IP: 192.168.0.19
Username: admin
Password: admin

⚠️ **Caution:** *If there is another device on the network already using the 192.168.0.19 address, you'll need to either temporarily disconnect or reconfigure that device or manually configure the Wireless Controller with a different address on a separate, isolated network.*

④ Wireless Controller Configuration

Follow the built-in Setup Wizard in the Wireless Controller. The Wizard will walk you through creating a configuration profile, then it will automatically configure and manage all available APs on the same network. You may add or remove APs to or from the managed profile at any time.

💡 **Smart Tip:** *For more information on setup and configuration best practices, visit luxul.com/smart-tips.*

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⑤ Hardware Operation

Selecting front-panel LED color

Use the switch on the rear panel of the XWC-2000 Wireless Controller to switch the Power and System LEDs on the front panel between Blue, Green or Off to best match the equipment in the rack where the Wireless Controller is sharing space.

Resetting the Controller

▶ **Reset/Reboot:** Use a paper clip to briefly press and release the Reset button on the rear panel of the controller to force it to reboot. The front-panel LEDs will go dark once the button is released, then the System LED will blink slowly while the controller reboots.

▶ **Restore Factory Defaults:** To restore the controller to factory default configuration, press and hold the Reset button for at least 5 seconds. The System LED will blink quickly to indicate the controller is returning to factory default configuration, go dark for a few seconds, then blink slowly while the controller boots.

▶ **Normal Operation:** When the controller is operating normally, the System LED will blink like a heartbeat; i.e. blink-blink-dark

低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。 前項合法通信，指依電信法規定作業之無線電通信。 低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

「本產品電磁波曝露量(MPE)標準值1mW/cm2，送測產品實測值為7.311mW/cm^2，建議使用時至少距離人體20cm」