

Industrial Access Point AP-800AX Setup Guide

silex
technology

WA107780XX

Thank you for purchasing the industrial Access Point "AP-800AX".

AP-800AX is an industrial Access Point that supports Wi-Fi 6 (IEEE 802.11ax) and provides stable communication even in environments where wireless interference occurs, such as factories and warehouses. As an AMC Mesh function is supported, wide coverage can be achieved by connecting multiple AP-800AX units.

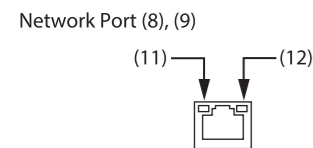
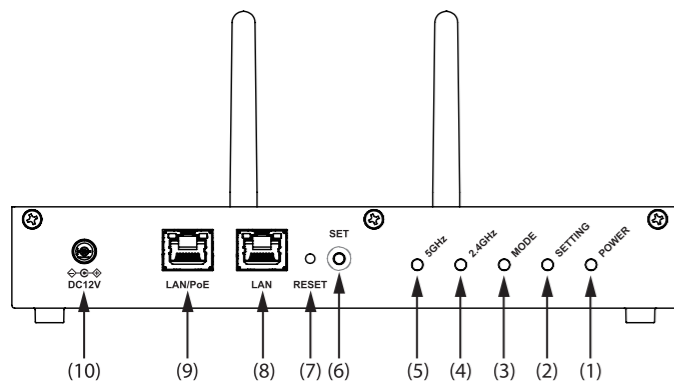
This document explains how to configure and use AP-800AX in a wireless network.

Package Contents

Following items are contained in the product package.

- AP-800AX
- Setup Guide (this document)
- GPL license notice
- Rubber foot (4pcs)
- Warranty Guide

Name of Parts



- (1) POWER LED (Green/Red)
- (2) SETTING LED (Green/Red)
- (3) MODE LED (Green/Red)
- (4) 2.4GHz LED (Green/Red)
- (5) 5GHz LED (Green/Red)
- (6) SET Switch
- (7) RESET Switch
- (8) LAN Port
- (9) LAN Port (PoE)
- (10) DC Connector
- (11) Status LED (Green)
- (12) Link LED (Orange)

For detailed function of each part, please refer to the user's manual.

Configuration Method

For configuration, use the AP-800AX's Web page or the AMC Manager® utility. There are 3 configuration methods below.

- 1) Configuration using Configuration Mode (See this document)
- 2) Configuration using AMC Manager® (See this document)
- 3) Configuration using Smart Wireless Setup (See User's Manual)

Necessary Items

Following items are required.

- LAN cable
- PC to use for configuration
- PoE+ HUB or PoE injector
- User's Manual (download from the Silex Technology's website)
- AMC Manager® (when AMC Manager® is used)

* If communication is received from a PC other than the PC you are using for configuration, the configuration mode cannot be used. Also, if a PoE HUB is an intelligent HUB that supports STP, the configuration mode may not be available.

Downloading User's Manual

The user's manual can be downloaded from the Silex Technology's website. Access the URL below to download it.

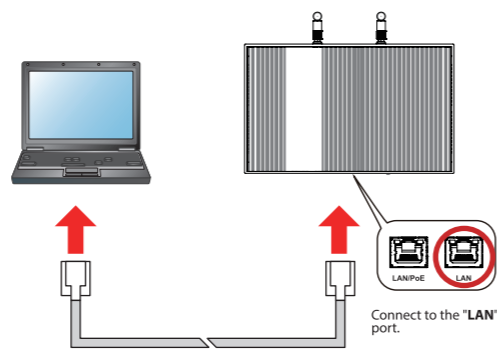
<https://www.silextechnology.com/>

- 1 When the website is displayed, click **Support** from the top menu.
- 2 Select the product model and download the user's manual.

* To download AMC Manager®, click **Software Download**. In the **Software Download** page, click **AMC Manager®**.

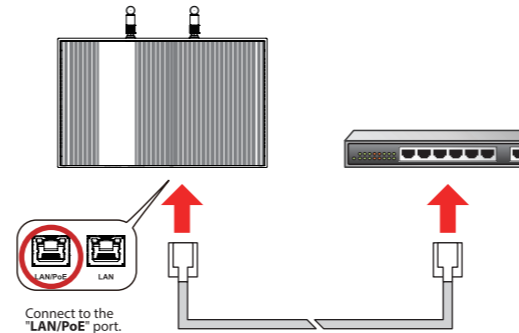
Configuration Using Configuration Mode

- 1 Connect one end of LAN cable to the PC and the other end to "LAN" port of AP-800AX.



* If wireless LAN is enabled on the PC, please disable it.

- 2 Prepare another LAN cable and connect one end of the LAN cable to PoE HUB and the other end to "LAN/PoE" port of AP-800AX.



- 3 Check that AP-800AX can communicate with the PC.

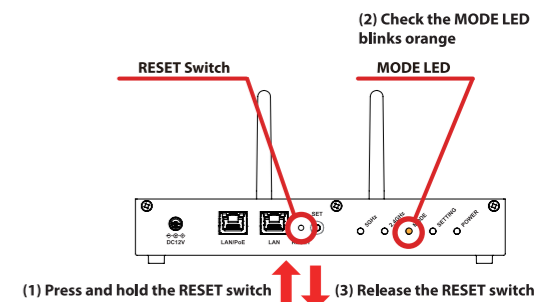
1. Confirm that an IP address is properly configured on the PC.

How to check on Windows 10

* See the icon in the taskbar () to check that the wired LAN is ready to use in the PC.

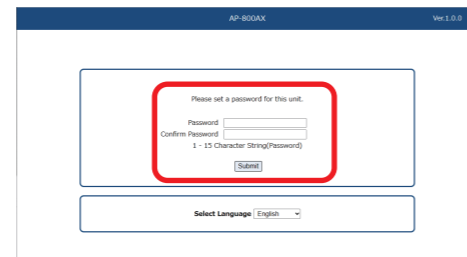
2. Confirm that a wireless LAN is disabled on the PC.

- 4 When AP-800AX is turned on, press and hold the RESET switch with a pointed object such as a pen (1). Keep holding it, and when the MODE LED blinks orange (2), release the switch (3) (it takes about 5 sec until the MODE LED blinks). The configuration mode is started, and you can now configure AP-800AX from the PC.



(1) Press and hold the RESET switch (2) Check the MODE LED blinks orange (3) Release the RESET switch

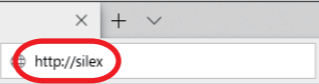
- 5 Start a Web browser on the PC you are using for configuration. When the login password configuration page appears, enter the password to configure for AP-800AX and click **Submit**.



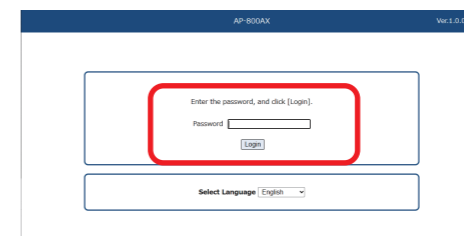
* Make a note of the password so that you can refer when you have forgot it.

* The login password configuration page is displayed only when AP-800AX has the factory default settings. Once configured, it will not be displayed again.

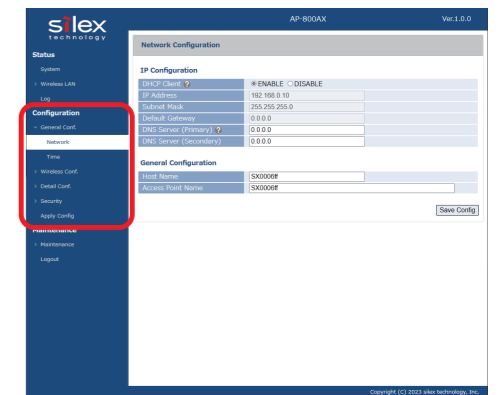
* If the password configuration page is not displayed, enter "http://silex" in the address bar of the Web browser and press the Enter key.



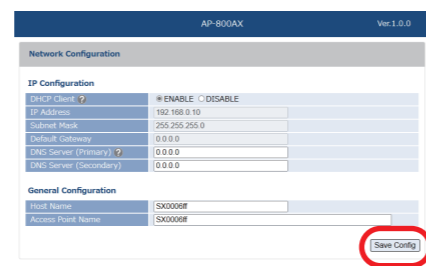
- 6 The login page is displayed. Enter the login password you have configured and click **Login**.



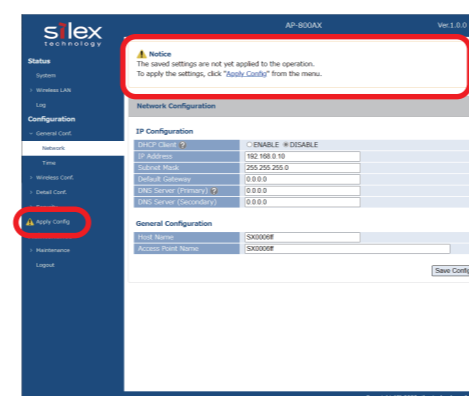
- 7 The Web page of AP-800AX is displayed. Select the page you want to configure from the menu.



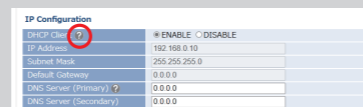
- 8 Configure the necessary settings and click **Save Config** at bottom right of the page.



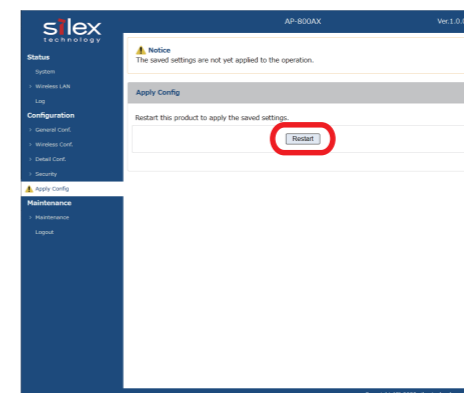
- 9 When the settings have been saved, the following message is displayed. To continue the configuration, select the page you want to configure from the menu, and configure the necessary settings. When the configuration is finished for all necessary settings, click **Apply Config**.



* For details on each setting item, refer to the Help or user's manual. The Help can be displayed by clicking the Help icon (?) to the right of the setting item.



- 10 When the **Apply Config** page is displayed, click **Restart**.



- 11 Remove a LAN cable from AP-800AX and the PC. The configuration using configuration mode is completed.

Configuration Using AMC Manager®

1 Download AMC Manager® and install it to the PC (For how to download, see **Downloading User's Manual** on the back).

* During the explanation of initial configuration, AMC Manager® Free (free version) will be used.
* Although AMC Manager® Free is used for explanation, the configuration method will basically be the same even if you are using AMC Manager® (paid version) for which you purchased a license key.

2 Change the wired LAN network setting of the PC to allow communication with AP-800AX.

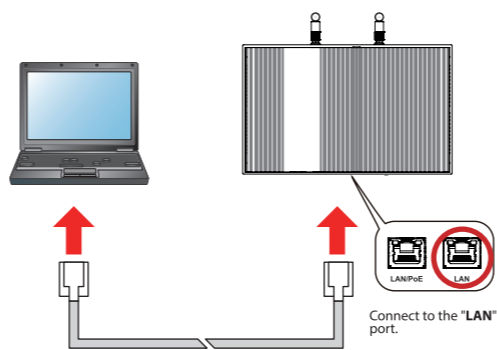
Sample network setting)

When the IP address of AP-800AX is "169.254.30.127", change the wired LAN network setting of the PC as follows.

- IP Address : 169.254.30.100
- Subnet Mask : 255.255.0.0

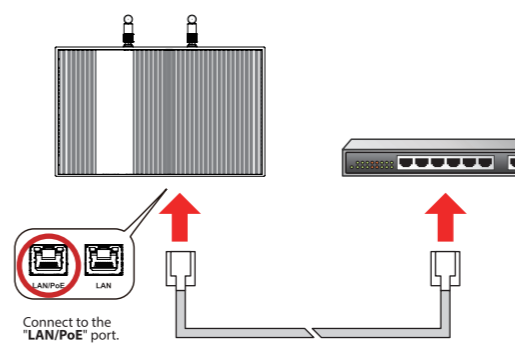
* Please be sure to set a unique address to your PC, that is not used by AP-800AX.
* By default, AP-800AX automatically obtains an IP address since the DHCP client function is enabled. When there is no DHCP server in your environment, AP-800AX operates with the address "169.254.xxx.xxx".

3 Connect one end of LAN cable to the PC and the other end to "LAN" port of AP-800AX.

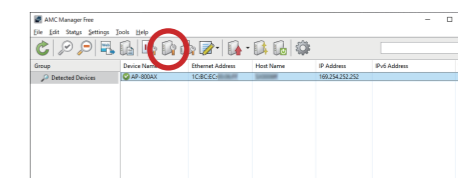


* If wireless LAN is enabled on the PC, please disable it.

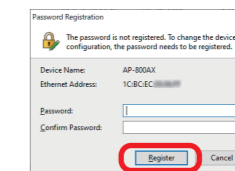
4 Prepare another LAN cable and connect one end of the LAN cable to PoE HUB and the other end to "LAN/PoE" port of AP-800AX.



5 Click **Start - silex Tools - AMC Manager** to start AMC Manager®. When AMC Manager® is started, AP-800AX is displayed in a device list. Select AP-800AX and click the icon **Configure the device** ().

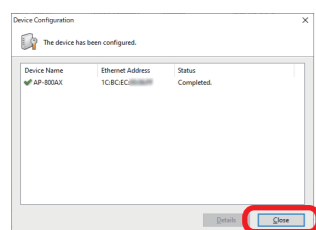


6 The password registration window is displayed. Enter the login password to configure for AP-800AX and click **Register**.



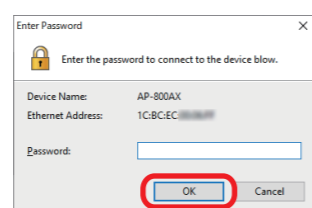
* The login password configuration page is displayed only when AP-800AX has the factory default settings. Once configured, it will not be displayed again.
* Make a note of the password so that you can refer when you have forgot it.

7 When the password configuration is finished, AP-800AX is restarted. Click **Close** when the window below appears.

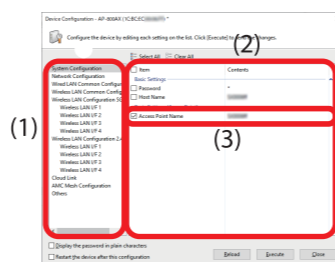


8 From the AMC Manager®'s main window, select AP-800AX again and click the icon **Configure the device** ().

9 When the password entry screen is displayed, enter the password that you have set at **6**, and click **OK**.



10 The device configuration window appears. If a configuration category is clicked on the left side of the screen (1), the corresponding setting is displayed on the right side (2). Check the check boxes of the items to update, and change the values (3).

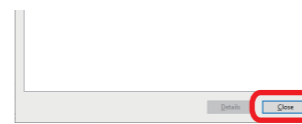


* The setting whose check box is checked will be configured to AP-800AX. For the setting you do not want to change, clear the check box.

11 When the necessary settings are changed, check the check box of **Restart the device after this configuration** (1), and click **Execute** (2).



12 The configuration result is displayed. AP-800AX will automatically restart and operate with the new settings. Click **Close**.



13 Remove a LAN cable from AP-800AX and the PC. The configuration using AMC Manager® is finished.

Trademarks

- AMC Manager® is a registered trademark of Silex Technology, Inc.
- Wi-Fi is a registered trademark of Wi-Fi Alliance.
- Windows is a registered trademark of Microsoft Corporation in the United States and/or other countries.
- Other company names and product names contained in this document are trademarks or registered trademarks of their respective companies.

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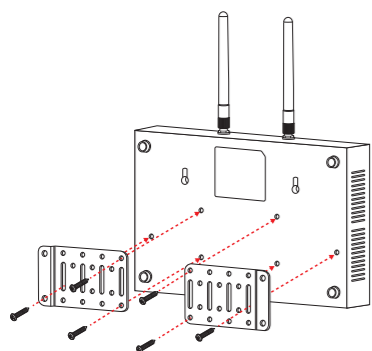
010-64403958
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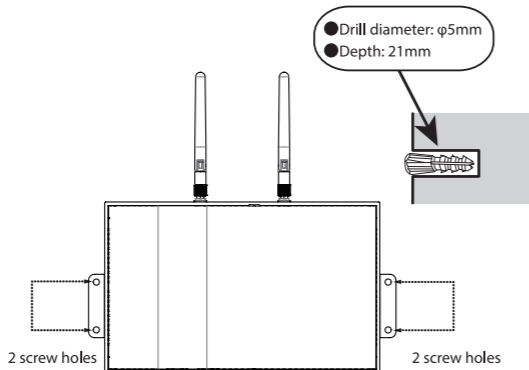


Product Installation

1 Align the bracket (Bracket Type XI) with the screw holes on the back of AP-800AX and fasten them with screws. (* The bracket is sold separately.)

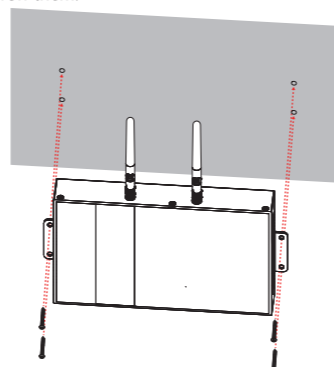


2 After attaching the bracket to AP-800AX, hold it to the wall and mark the positions of the four screw holes. Drill a pilot hole at the marked positions on the wall and insert the anchors.



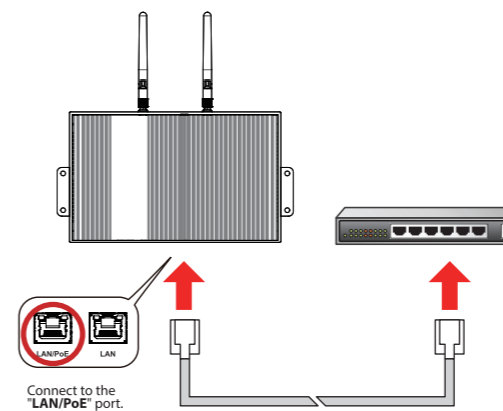
* Please be careful not to tilt AP-800AX.

3 Fix AP-800AX to the wall. Align the screw holes of the bracket with the anchors inserted at **2** and screw them.



* Silex Technology is not responsible for any damages caused by insufficient mounting. Make sure that AP-800AX is securely fixed to the wall so that it does not fall due to the weight of the product and cables.

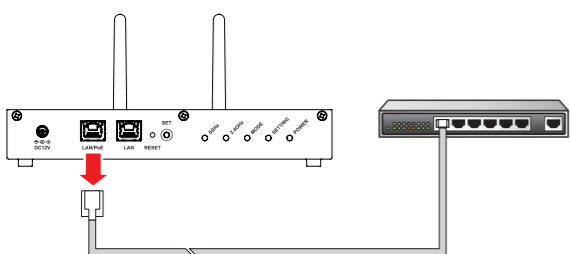
4 Connect one end of the LAN cable to PoE HUB and the other end to "LAN/PoE" port of AP-800AX.



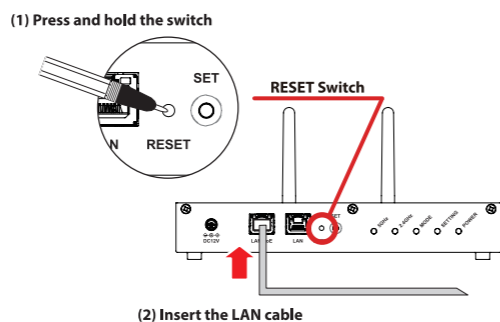
Factory Default Configuration

Follow the instructions below to reset AP-800AX to the factory default setting.

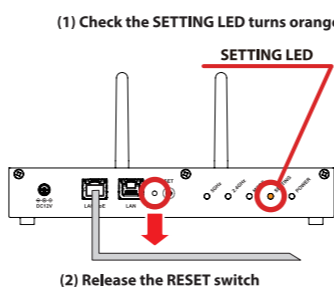
1 Remove a LAN cable that connects AP-800AX to the PoE HUB.



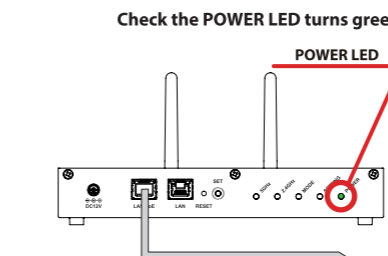
2 While pressing the RESET switch of AP-800AX with a pointed object such as a pen (1), insert the LAN cable back into the "LAN/PoE" port (2). Keep pressing the RESET switch.



3 When the SETTING LED turns orange (1), release the RESET switch (2).



4 The factory default configuration begins. When the POWER LED of AP-800AX turns green, the factory default configuration is completed.



AP-800AX has been reset to the factory defaults.

产品中有害物质的名称及含量

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr VI)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
电路板	×	○	○	○	○	○
外壳	○	○	○	○	○	○
天线	×	○	○	○	○	○
垫脚	○	○	○	○	○	○

本表格依据 SJ/T 11364 的规定编制。
○ : 表示该有毒有害物质在该部分的均质材料中的含量在GB/T 26572规定的限量要求以下。
× : 表示该有毒有害物质至少在该部分的某一均质材料的含量超过GB/T 26572规定的限量要求。



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