

Wi-Fi HaLow™ Access Point AP-150AH Setup Guide

silex
technology

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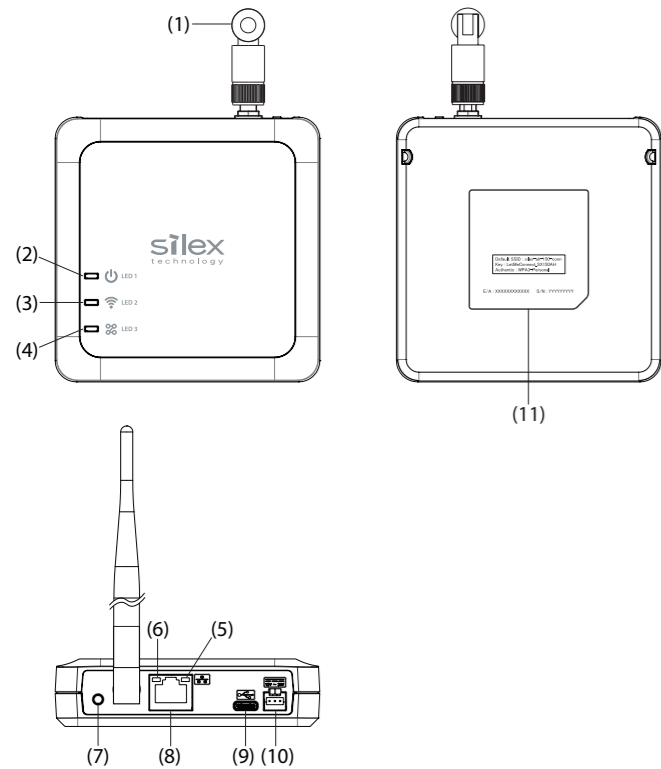
Thank you for purchasing the Wi-Fi HaLow Access Point, "AP-150AH". AP-150AH is a wireless Access Point (host device) that supports IEEE 802.11ah (Wi-Fi HaLow™). It can be used as a base station that connects the station devices (client devices) that support IEEE 802.11ah. This Setup Guide explains how to configure and use AP-150AH in a wireless network.

Package Contents

Following items are contained in the product package

- AP-150AH
- Wireless LAN antenna
- Warranty Guide and GPL Inquiry Card
- LAN cable
- Setup Guide (this document)

Name of Parts



- (1) Wireless LAN antenna
- (2) LED 1 (Green/Red)
- (3) LED 2 (Green/Red)
- (4) LED 3 (Green/Red)
- (5) LED 4 (Orange)
- (6) LED 5 (Green)
- (7) Push switch
- (8) LAN port
- (9) USB Type-C (5V PD sink)
- (10) DC connector (12V to 24V)
- (11) Product label

Configuration Method

AP-150AH can be configured by the following methods:

- 1) Configuration Using AP-150AH's Web Page
- 2) Configuration Using AMC Manager®

When you have only one AP-150AH unit, see **Configuration Using AP-150AH's Web Page**.
When you have multiple AP-150AH units, see **Configuration Using AMC Manager®** and configure them one by one.

Necessary Items

Following items are required.

- LAN cable (the one comes with AP-150AH)
- PC to use for configuration
- Power supply

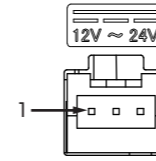
Power Supply

AP-150AH can receive electrical power in the following two ways:

- Power supply (DC 12V to 24V)
- USB Type-C connector (DC5V/1.5A)

* Do not connect a power supply that supports DC12V to 24V while receiving a power from the USB Type-C connector. It may cause unintended operation or malfunction.
* When there is no power supply that supports DC12V to 24V, prepare the power supply that supports a USB port, and connect it to the USB Type-C power connector of AP-150AH.
* To connect to this connector, please use JST PAP-03V-S.
* The pin arrangement for the DC connector of AP-150AH is as follows.

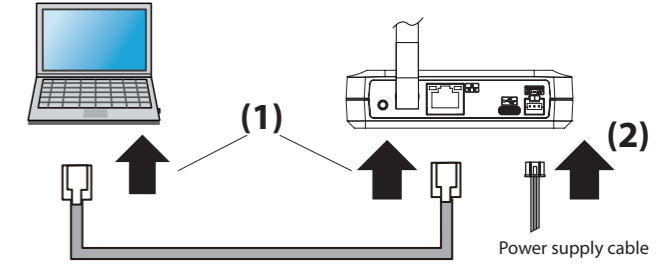
DC Connector



PIN Number	Signal Name	Description
1	FG	-
2	GND	GND
3	VCC	DC 12 to 24V

Connecting to PC

- 1 Connect AP-150AH and the PC using a LAN cable (1).
- 2 Connect the power supply cable or USB Type-C cable to AP-150AH (2).



Configuration Using AP-150AH's Web Page

* Connect AP-150AH and the PC using a LAN cable for configuration.

Network Setting of PC

- 1 Change the network setting of the PC to allow communication with AP-150AH.

Example of the network setting)

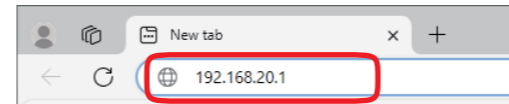
When there is not a DHCP server in your environment, the default IP address of AP-150AH will be "192.168.20.1". Then, configure the network setting of the PC as follows.

IP address: 192.168.20.1
Subnet mask: 255.255.255.0

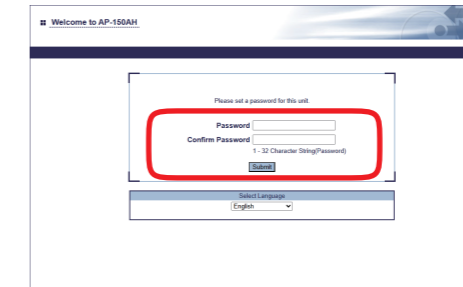
* For the IP address to be configured to the PC, set a different IP address from AP-150AH.

Access to AP-150AH's Web Page

- 2 Start a Web browser (Microsoft Edge, etc.) on the PC. Enter the IP address of AP-150AH to the address bar and press the Enter key.

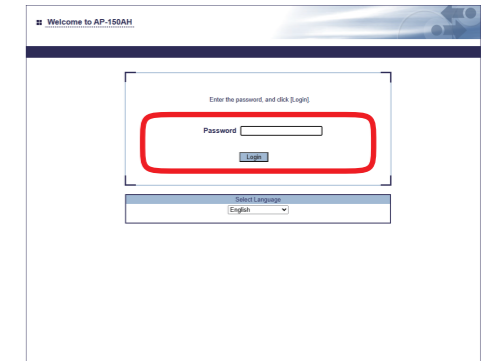


- 3 The login password configuration page appears, enter the password to configure for AP-150AH and click **Submit**.



* The login password configuration page is displayed only when AP-150AH has the factory default settings. Once configured, it will not be displayed again.

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

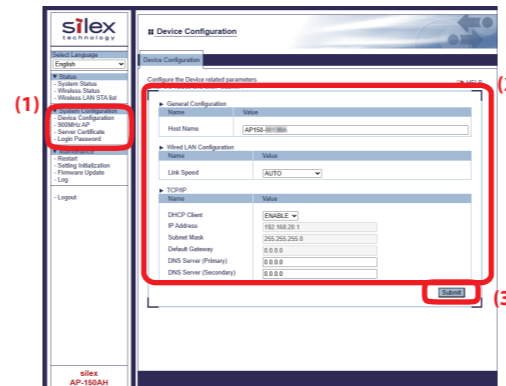


- 5 The Web page of AP-150AH is displayed.

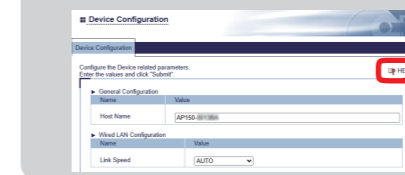


Basic Configuration

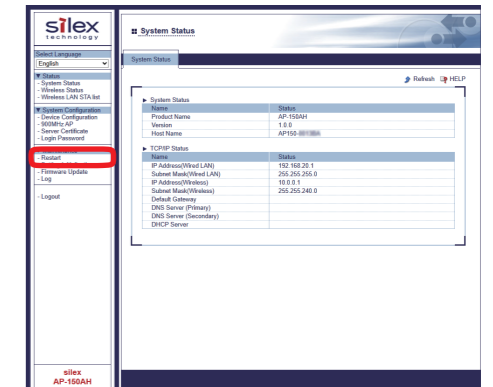
- 6 Click the setting from the page menu (1), enter the necessary settings at the displayed page (2) and click **Submit** (3).



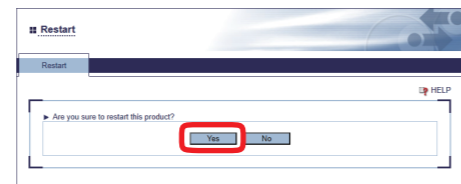
* For details on each setting, refer to the User's Manual or the Help page. Clicking **HELP** on top right of the page will open the Help page.



- 7 To take effect of the changes, restart AP-150AH. Click **Restart** from the page menu.



- 8 Click **Yes** to restart AP-150AH.

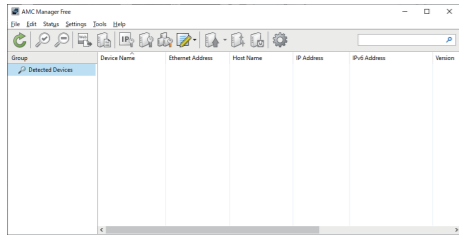


The configuration has now been completed.

Configuration Using AMC Manager®

Start AMC Manager®

- Download AMC Manager® from the Sillex Technology's website and install it to the PC. Click **Start - sillex Tools - AMC Manager**. The AMC Manager® will be started.

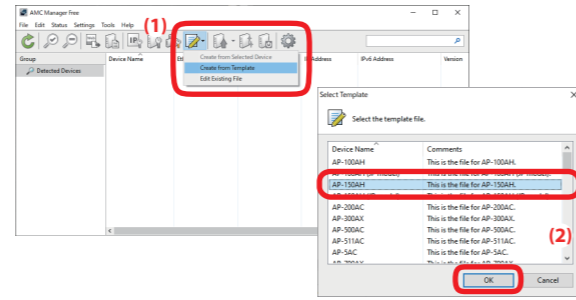


* In the following instructions, AMC Manager® Free will be used as an example.
* Although this document uses AMC Manager® Free for explanation, the configuration methods will basically be the same even if you are using AMC Manager® which requires a separate license key.

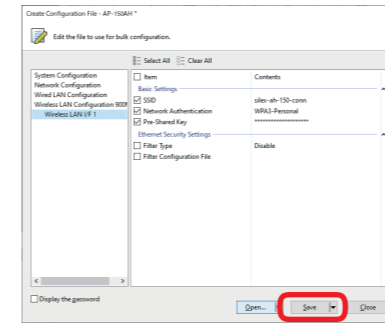
* Configure AP-150AH one by one by connecting it to the PC using a LAN cable

Create Configuration File

- Create a configuration file using the template. Click the icon **Create the configuration file** and click **Create from Template** from the toolbar (1). In the **Select Template** window, select the **AP-150AH** and click **OK** (2).



- In the **Create Configuration File** window, check the check box of the items you want to use for the configuration file, edit the settings and click **Save**. In the dialog to save the configuration file, specify the file name and click **Save**.



* When AP-150AH is used for the first time, the login password needs to be set.

Connecting to PC / Network Setting

- Refer to **Connecting to PC** and **Network Setting of PC** on the back page to connect the device and configure the network setting of the PC.

For the IP address of the PC, set the one that can communicate with the IP address of AP-150AH.

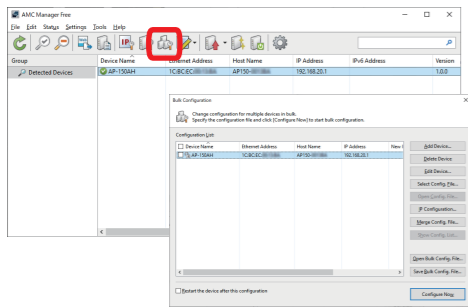
Setting example)

Sample address to set for AP-150AH	Sample address to set for PC
192.168.20.10	192.168.20.100
172.25.50.10	172.25.50.100

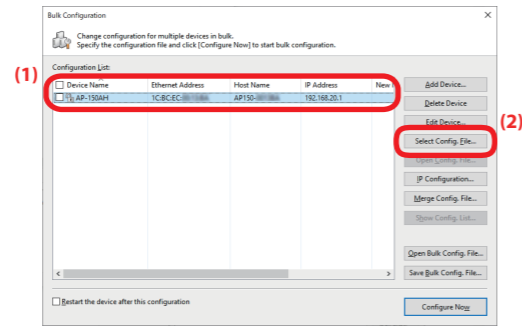
* This procedure is for configuring the IP address on the wired LAN side. The IP address of wireless LAN side is set to "10.0.0.1" by default. If an IP address of the same network segment as the IP address of wireless LAN is set (e.g. "10.0.0.2"), communication will not be established, so please avoid using such an IP address.

Basic Configuration

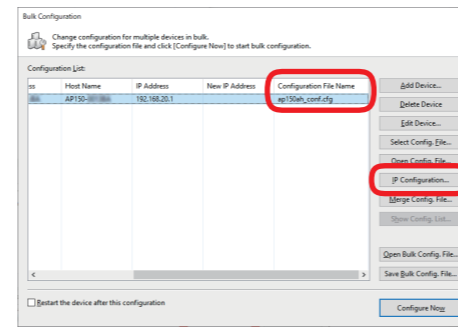
- Select the AP-150AH unit to configure from the device list of AMC Manager®, and click the icon **Configure multiple devices in bulk**. For bulk configuration, the configuration file is used to send the settings to the devices.



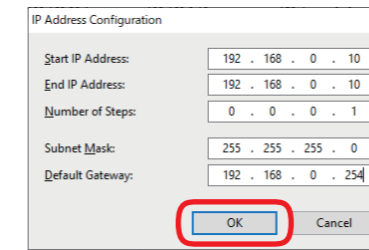
- In the **Bulk Configuration** window, select the AP-150AH unit to configure from the **Configuration List** (1) and click the **Select Config. File** button (2). When a file selection dialog appears, select the configuration file that you have created and click **Open**.



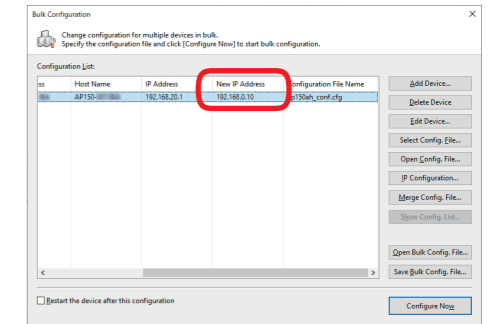
- The selected file is displayed at **Configuration File Name**. Click **IP Configuration** for the IP address configuration. When you are using the DHCP server to automatically configure the IP address, skip this and go on to 10.



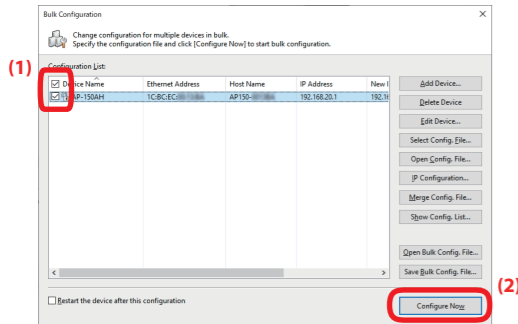
- In the **IP Address Configuration** window, specify the range of IP address to configure for AP-150AH, and click **OK**.



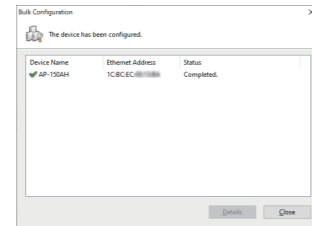
- The IP address is pre-assigned to AP-150AH and is displayed under **New IP Address**.



- Check the check box of the AP-150AH unit to configure (1) and click **Configure Now** (2).



- The configuration performs and the result is displayed. Click **Close**.



- When there are more AP-150AH units to configure, repeat the process of 4 to 11 and configure them one by one.

The configuration has now been completed.

How to Download AMC Manager®

AMC Manager® can be downloaded from the Sillex Technology's website. Access the URL below to download it.

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

- When the website is displayed, click **Support Center** in the bottom of the page.
- Click **Software Download**.
- In the **Software Download** page, click **AMC Manager®**.
- Enter the necessary information to the download form and click **Download**. (If the download form is not displayed, just click **Download**.)
- Download AMC Manager®.

Factory Default Configuration

Follow the instruction below to reset AP-150AH to the factory default setting.

- While AP-150AH is operating, press and hold the push switch for more than 5 seconds. When the LED1/LED2/LED3 start blinking green together, release the push switch. The settings will be reset to the factory defaults and AP-150AH will be restarted.

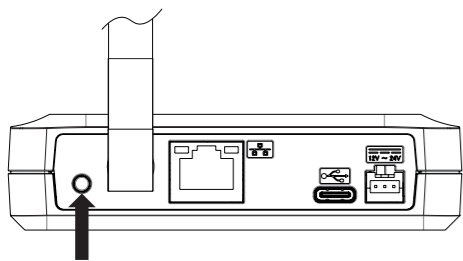
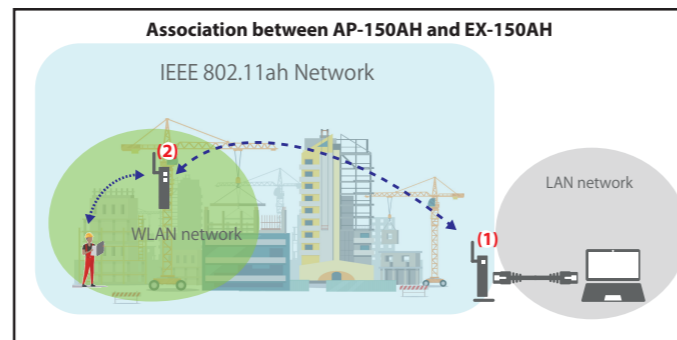


Image of Using AP-150AH/EX-150AH



- AP-150AH (Wi-Fi HaLow™ Access Point)
- EX-150AH (Wi-Fi HaLow™-compatible Wi-Fi Extender)

Trademarks

- AMC Manager® is a registered trademark of Sillex Technology, Inc.
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Customer Support Center

If you have any questions, please contact us at the following.

Customer Support Center information

E-mail: support@sillexamerica.com
URL: <https://www.sillextechnology.com/>

Sillex Technology America, Inc.