IEEE 802.11ah
Starter Kit
AP-150AH/EX-150AH
Setup Guide

silex
technology

140-20183-200 X1

Package Contents

Following items are bundled with the starter kit.

☐ AP-150AH-US (including antenna)
☐ EX-150AH-US (including antenna)
☐ 2 x AC adapters
☐ Starter kit setup guide (this document)

Factory Default Configuration

1 Press and hold the push switch of the unit and release it after all three LEDs on the top cover start flashing together. When the factory default configuration is finished, the unit will automatically restart.
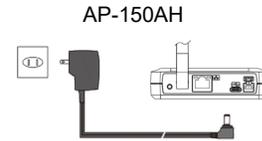

Configuration Method

This document describe the setup process using the products' web page.
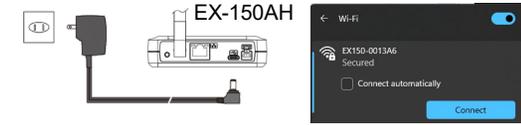
Necessary Items

Following items are required.
☐ Network cables
☐ A computer to use for configuration

Connection for setup

1 Connect the AC adapter to the AP-150AH. Then, plug in the AC adapter to the electrical outlet.

AP-150AH

2 Connect the AC adapter to the EX-150AH. Then, plug in the AC adapter to the electrical outlet. Then, connect your computer to the EX-150AH over Wi-Fi. SSID and Password can be found in the product label on the bottom.

EX-150AH

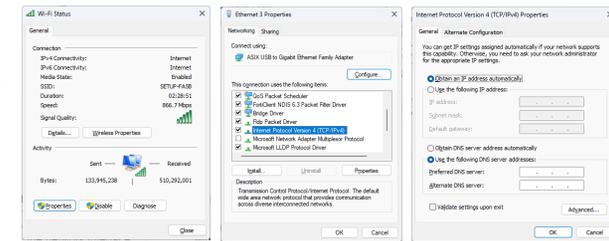## Configuration using a web browser

Network Setting of the computer

1 Change the network settings of the computer to obtain an IP address automatically.
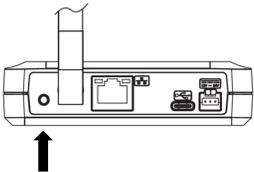
Example for Windows 11:
1. Go to "Control Panel\All Control Panel Items\Network and Sharing Center"
2. Click "Wi-Fi", the network interface connected to the EX-150AH.

3. Click "Properties" in the pop-up window.
4. Select "Internet Protocol Version 4 (TCP/IPv4)" in the pop-up window and click "Properties".
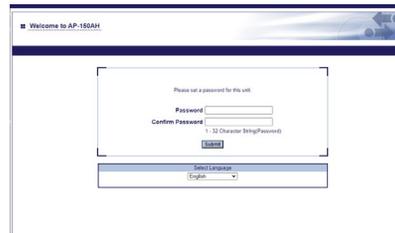5. Select "Obtain an IP address automatically" in the pop-up window and click "OK".

Access to AP-150AH's Web Page

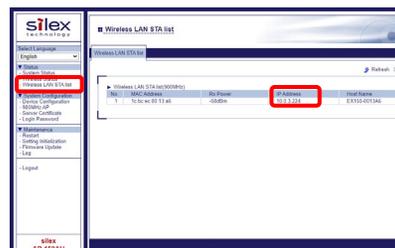**1** Start a Web browser on the computer, enter the IP address, 10.0.0.1 in the address bar, and press the ENTER key.

2 The login password configuration page is displayed. Set the password and click "**Submit**".
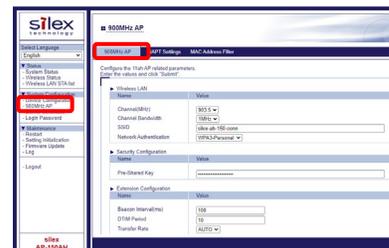

3 The login page of the AP-150AH is displayed. Log into the page.
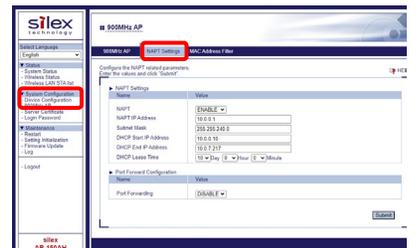

4 Go to "Wireless LAN STA list" to check the IP address assigned to the EX-150AH.

5 Go to "900MHz AP" to configure Wi-Fi HaLow settings. *refer to Q1 for a tip. Click "**Submit**" if any change is made.

6 Go to "NAPT Settings" and "Device Configuration" page to configure IP settings. *refer to Q2/Q3 for a tip. Click "**Submit**" if any change is made.

Access to EX-150AH's Web Page

1 Start a Web browser on the computer, enter the IP address, which is checked in the step #4 in the first page. (10.0.3.224 in this document.)
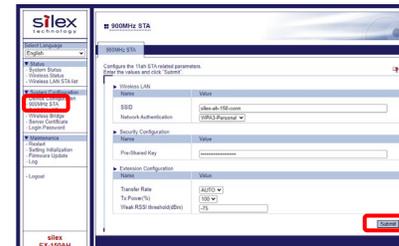
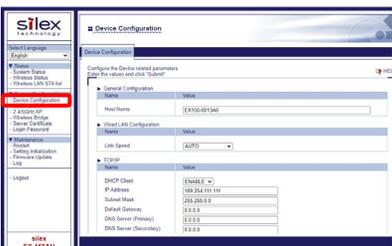**2** The login password configuration page is displayed. Set the password and click "**Submit**".

3 The login page of the EX-150AH is displayed. Log into the page.
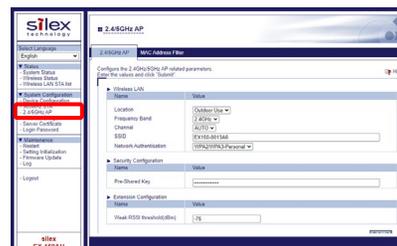
4 Go to "900MHz STA" to configure Wi-Fi HaLow settings. Click "**Submit**" if any change is made.

5 Go to "Device Configuration" for IP settings. Click "**Submit**" if any change is made.

6 Go to "2.4/5GHz AP" for Wi-Fi setting. Click "**Submit**" if any change is made.

Restart the units

1 Restart the AP-150AH first. Click "**Restart**" on the AP-150AH's web page, then "**Yes**".

2 Restart the EX-150AH second. Click "**Restart**" on the EX-150AH's web page, then "**Yes**".

3 Confirm that LED2 on the top of the units are lid up.

Connect your devices with AP-150AH and EX-150AH

1 Configure your Wi-Fi device's network setting to connect with the EX-150AH.

2 Confirm Wi-Fi LED (LED2) turns on and green.

3 Plug the AP-150AH and the EX-150AH with the devices.

Example 1)
- AP-150AH with a computer to run video streaming application.
- EX-150AH with an IP camera.

Example 2)
- AP-150AH with a home router.
- EX-150AH with a computer.

FAQ

Q1. The network is slow through the AP-150AH and the EX-150AH.
A. Default setting of the AP-150AH is 1MHz channel bandwidth. Please change the setting to 2MHz, 4MHz or 8MHz according to your distance and performance needs.

Q2. I cannot access to a device connected with the EX-150AH from my computer connected through the AP-150AH's Ethernet port.
A. NAT feature is enabled in the AP-150AH by default. Please disable the NAT function. When the NAT is disabled and your computer is connected with the AP-150AH, please assign the IP addresses manually to your computer, AP-150AH, EX-150AH and the device connected with the EX-150AH.

Q3. I cannot access to the internet through the AP-150AN and EX-150AH.
A. Please check your router's IP address domain. If it is 10.0.X.X, please change the IP address domain in "NAPT Setting" of the AP-150AH or disable the NAPT function.

Q3. The EX-150AH and my device connected to the EX-150AH do not obtain the IP addresses after NAT is disabled.
A. Please check if the device connected to the AP-150AH can assign the IP address. If not, please assign the IP address manually according to your network configuration.

Q4. I cannot get the IP camera data connected with the EX-150AH from my computer through the wireless link.
A. Please check if your IP camera's IP address is manually assigned. If the IP camera's IP address is statistically assigned, please configure your computer, AP-150AH and BR-150AH's IP addresses with the same IP domain.

Q5. I cannot access the AP-150AH and the EX-150AH after the NAT in the AP-150AH is disabled as I do not know the IP addresses of these units.
A.   Please try to reset the units in factory default and configure them accordingly.

Q6. EX-150AH's LED is blinking with red or orange color. The computer cannot access the EX-150AH through Wi-Fi.
A.   Please try to separate each unit farther. Too strong receiver signal results in poorer wireless communication quality.

Trademarks

- Wi-Fi HaLow™ is a trademark of Wi-Fi Alliance.
- Company names and product names contained in this document are trademarks or registered trademarks of their respective companies.

Customer Support Center

■ **Customer Support Center Information**

	E-mail
USA	support@silexamerica.com

■ **Visit our page for more information**

AP-150AH-US:
https://www.silextechnology.com/connectivity-solutions/wifi-access-point/ap-150ah

EX-150AH-US:
https://www.silextechnology.com/connectivity-solutions/device-connectivity/ex-150ah