

# Wireless Presentation BOX Z-1 Setup Guide



WA106000XX

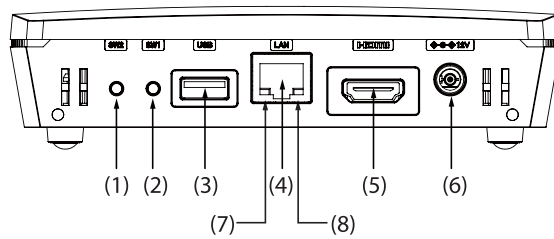
Thank you for purchasing the Wireless Presentation Box "Z-1". Z-1 is a wireless video transfer device that is designed to use in a meeting room. The screen of a computer, tablet or smartphone can be projected wirelessly on the display device connected to Z-1. This document describes how to configure and use Z-1.

## Package Contents

|                    |    |                             |    |
|--------------------|----|-----------------------------|----|
| Z-1                | x1 | AC adaptor                  | x1 |
| Power code         | x1 | Rubber feet                 | x4 |
| Warranty booklet   | x1 | Setup guide (this document) | x1 |
| GPL license notice | x1 |                             |    |

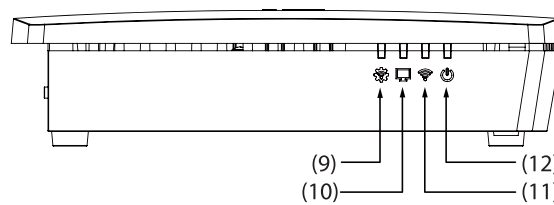
## Parts and Functions

Front



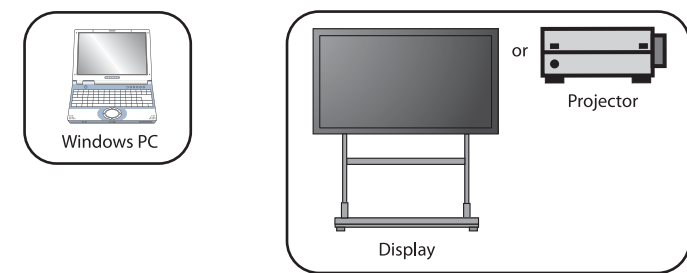
- (1) Function switch (SW2)
- (2) Reset switch (SW1)
- (3) USB port
- (4) LAN port
- (5) HDMI output interface
- (6) DC jack
- (7) LINK LED
- (8) STATUS LED

Side



- (9) STATUS LED (blue/red)
- (10) DISPLAY LED (blue/purple/red)
- (11) WLAN LED (blue/purple/red)
- (12) POWER LED (blue/red)

## Necessary Items

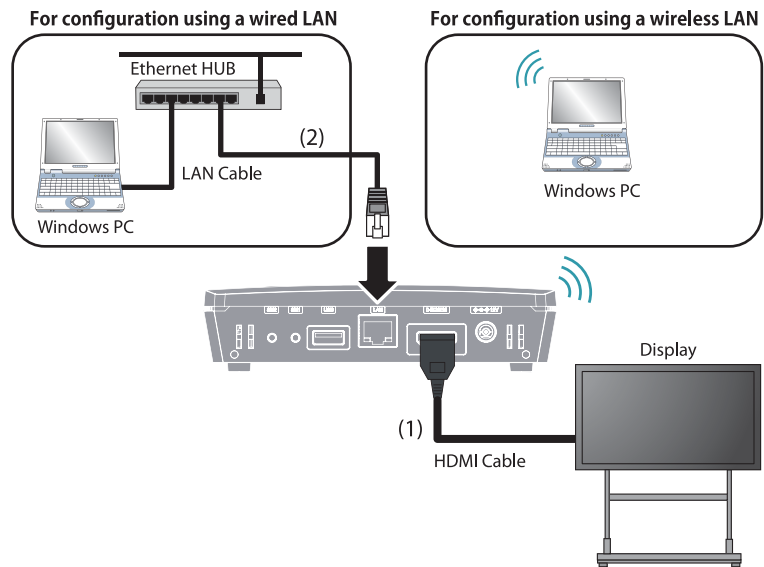


- Windows PC (Wireless PC)
- HDMI compatible display or projector
- HDMI cable
- To use a wired connection or the Access Point feature of Z-1, a LAN cable is required.

## 1. Configuration

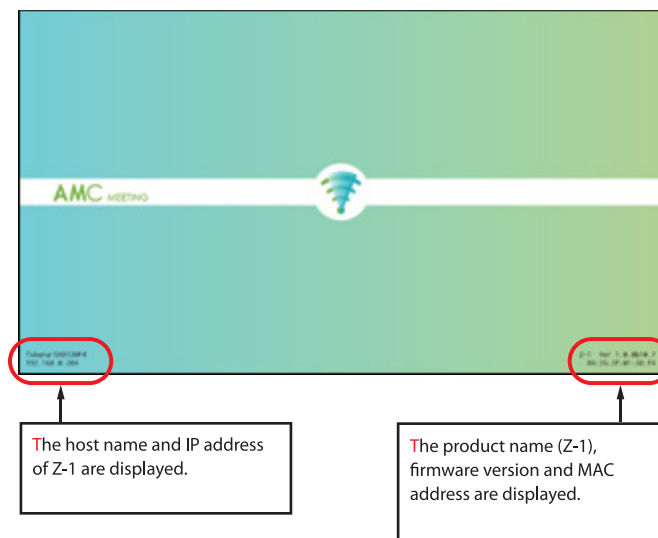
### 1-1. Connect Display to Z-1

- 1 Connect the display to Z-1 using an HDMI cable and turn on the display.
- 2 Connect Z-1 to the PC via a wired LAN or wireless LAN.



### 1-2. Turn on Z-1

- 1 Connect the AC adaptor and power code. Then, connect the AC adaptor to the DC jack of Z-1 and the power plug to the outlet.
  - TIP** - Be sure to always use the AC adaptor that comes with Z-1.
- 2 The standby screen is displayed on the display connected to Z-1. When the animation stops in the middle of the screen, the power-on process is completed.



**Note** - By default, Z-1 obtains an IP address using the DHCP client function. When there is no DHCP server in your environment, Z-1 will automatically use the IP address "169.254.xxx.xxx".

For configuration using a wired LAN  
Go to **1-4. Access Z-1's Web Page**.

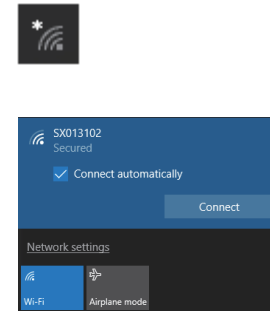
For configuration using a wireless LAN  
Go to **1-3. Connect Windows PC**.

### 1-3. Connect Windows PC

This chapter explains how to connect a Windows PC to Z-1 as a wireless client.

**Note** - In the following explanation, Windows 10 is used as an example. If you are using an operating system other than Windows 10, follow the appropriate procedure for that operating system.

- 1 Click the network icon on the notification area (system tray) to show the wireless connection screen.
- 2 Select the SSID of Z-1(SXxxxxxx) from a list and click **Connect**.

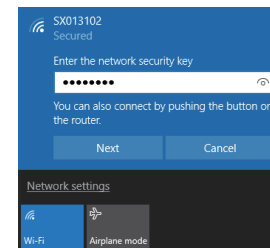


**Note** - "xxxxxx" of the SSID(SXxxxxxx) is the lower 3 bytes of the Z-1's MAC Address.  
- If **Connect automatically** is checked, the PC will automatically connect to Z-1 every time it is restarted.

- 3 Press and hold the function switch of Z-1. When the STATUS LED blinks blue at 2 sec interval, release the switch.
- 4 Z-1 starts to communicate with the Windows PC, and configures the same setting to the PC. When the SETTING LED of Z-1 turns blue, the configuration is completed.
- 5 When a message "Do you want to allow your PC to be discoverable by other PCs and devices on this network?" appears, click **Yes**.

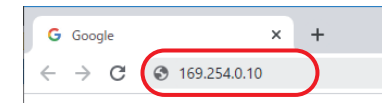
Now, the PC has connected to Z-1.

**Note** - The PC can also be connected wirelessly by entering the pre-shared key.  
Enter the pre-shared key of Z-1 in the **Enter the network security key** box and click **Next**.

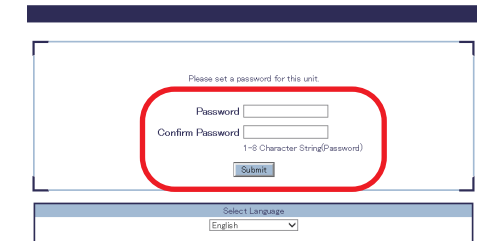


### 1-4. Access Z-1's Web Page

- 1 Start a Web browser on a computer. To the address bar of the Web browser, enter the IP address of Z-1 (the one shown on the bottom left of the standby screen) and press the Enter key. Example) When the IP address of Z-1 is "169.254.0.10", enter it to the address bar as below.



- 2 The login password configuration page is displayed. Enter the login password to configure for Z-1 and click **Submit**.

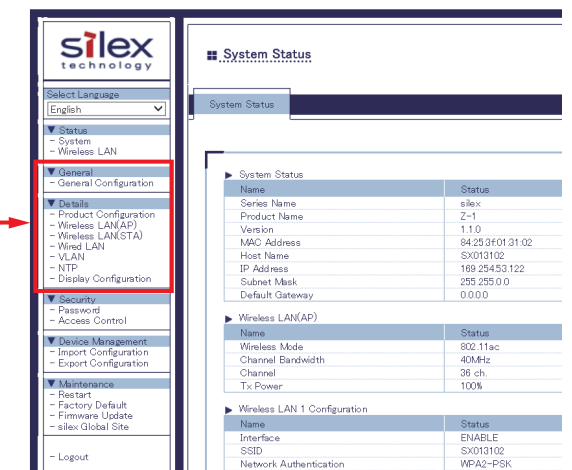


**TIP** - The login password configuration window is displayed only when Z-1 is configured for the first time.

- 3 When the login page is displayed, enter the login password you have configured and click **Login**.



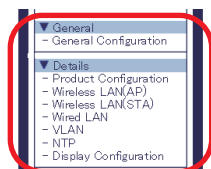
- 4 The Z-1's Web page (**System Status** page) is displayed.



| Category | Menu                  | Item | Description  |
|----------|-----------------------|------|--|
| General  | General Configuration |      | General settings to use Z-1 (TCP/IP setting, Wireless setting, etc.) |
| Details  | Product Configuration |      | TCP/IP setting   |
|          | Wireless LAN (AP)     |      | Wireless setting to use Z-1 as Access Point                          |
|          | Wireless LAN (STA)    |      | Wireless setting to use Z-1 as Station                               |
|          | Wired LAN             |      | Wired LAN interface setting  |
|          | VLAN                  |      | VLAN ID setting for an SSID of wireless LAN                          |
|          | NTP                   |      | Time setting   |
|          | Display Configuration |      | Video functional setting   |

## 1-5. Initialization Using Web Page

1 Select the configuration item from the menu.



2 Configure the necessary setting.

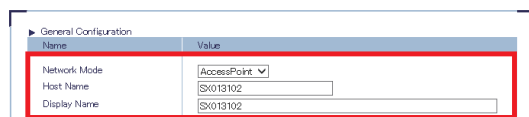


The explanation of each configuration item can be found in the Help window that is displayed by clicking the **Help** icon on top right of the Web page.

### \*General Configuration

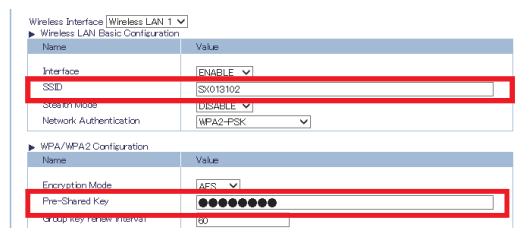
Change the **Host Name** and **Display Name** to unique and easy-to-remember credentials.

If an Access Point is already installed and you do not want to add another one, change **Network Mode** to **Wired** or **Station**.



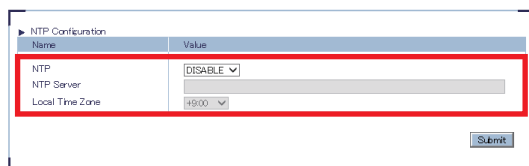
### \*General Configuration - Wireless Interface / WPA/WPA2 Configuration

Be sure to change the **SSID** and pre-shared key and take a note of these changes for future use.



### \*NTP Configuration

The exact time is required when projecting from Android or when authenticating EAP-TLS certificates. This is recommended if you have a local NTP server.



- When your network is connected to the Internet, a public NTP server can be used.

### \*VLAN

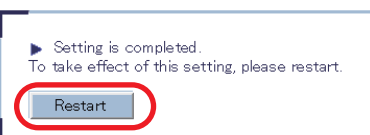
Configure the VLAN, IEEE802.1x settings, etc. according to your network policy.

3 Click **Submit** when finished entering the setting.



- If the other configuration item is clicked on the menu before **Submit** is clicked, the entered values are cleared. Be sure to click **Submit** to save the settings before you click other configuration item.

4 When the confirmation message is displayed, click **Restart** to restart Z-1. The new settings will take effect after Z-1 is restarted. When you want to continue to configure the settings on other pages, go back to 1. Restart Z-1 when you have finished configuring all settings.

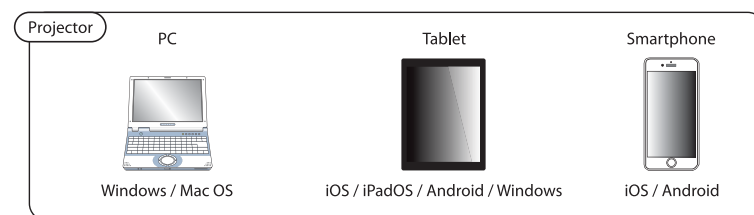


5 The Z-1 setting has been configured. Close the Web page.

## 2. Start Projection to Connected Display

### 2-1. Devices to Project from

Prepare the device, screen of which is projected to the display connected to Z-1.



### 2-2. Applications Used for Projection

#### For Windows

#### AMC Meeting

This is a utility to project the Windows PC's screen onto the display connected to Z-1. This utility can be used without installation.

#### AMC Meeting plus

This is a Windows utility to facilitate the meeting. From this utility, a request of projection can be sent to AMC Meeting that is running on the PCs of the attendees. Once the request is sent, AMC Meeting starts projection by showing the PC screen of the attendee on the display connected to Z-1. This utility can be downloaded from the Silex Technology's homepage. Install it to the Windows PC of the facilitator of the meeting. For details on how to download it, see **How to Download User's Manual and Windows Utility**.

#### For Android

#### Google Cast

Screen mirroring and audio transmission features of Android OS can be used. This function can be used only when the projection mode of Z-1 is set to Single Presenter Mode.



- The exact time needs to be set to Z-1. Enable the NTP client and synchronize the time setting.

#### For iOS/iPadOS/Mac OS

#### AirPlay

Screen mirroring and audio transmission features of iOS/iPadOS/Mac OS can be used. This function can be used only when the projection mode of Z-1 is set to Single Presenter Mode.

### 2-3. Start Projection Using AMC Meeting on Windows PC

1 Start the Explorer on your Windows PC.

2 Enter the IP address or host name of Z-1 to the address bar of the Explorer as follows.

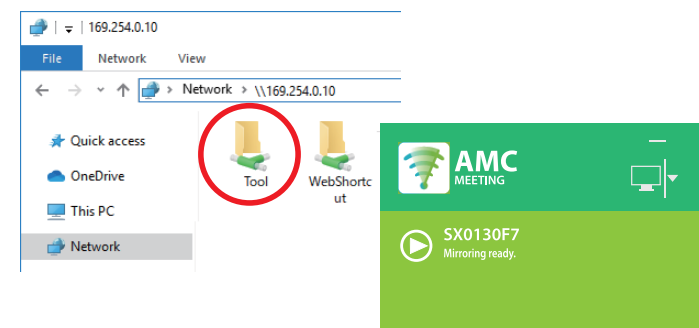
#### When using IP address

When the IP address of Z-1 is "169.254.0.10", enter it as **\\169.254.0.10**.

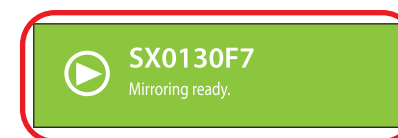
#### When using host name

When the host name of Z-1 is "SX0130F7", enter it as **\\SX0130F7**.

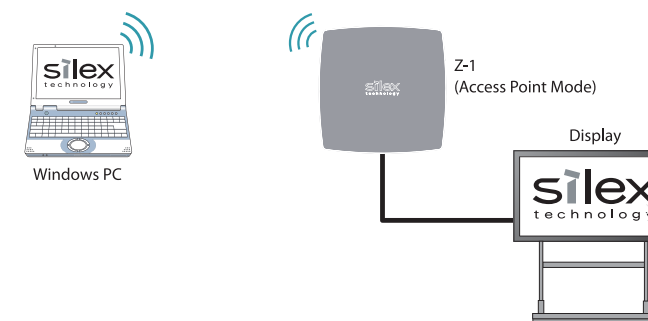
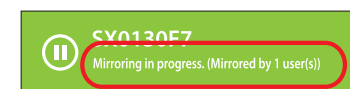
3 Open the **Tool** folder of Z-1 that contains the AMC Meeting utility. Double-click **Projection.exe** to start AMC Meeting.



4 From a list in the main window, click Z-1 to start projection to.



5 The status changes to **"Mirroring in progress"** and projection starts on the display connected to Z-1.



### 2-4. Types of Projection Mode

Z-1 applies one projection mode from the compatible five projection modes to output video and audio. When Z-1 is started for the first time, it will run in a single presenter mode. For details, refer to the User's Manual.

#### Single Presenter Mode

Displays a video sent from one presenter in a full screen.

#### Multi Presenter Mode (Windows PC only)

Video of 2-4 presenters will be displayed on a split screen. When there is only one presenter, it will be displayed in a full screen as in the single presenter mode. When there are 2 presenters, it will be displayed in 2-split screen. When there are 3 or more presenters, it will be displayed in 4-split screen.



- A video can be displayed to only one screen of the split screen. It is possible to switch the screen to play the video.

#### Distribution Master Mode / Distribution Slave Mode (Windows PC only)

Distribution Master Mode has the same function as Single Presenter Mode.

It shows the PC screen to the main display as well as re-transmits the received video to devices of Slave Mode (up to 16 devices) in multicast. Distribution Slave Mode is used in combination with devices of Master Mode. It receives video from a device of Master Mode and shows it on the connected displays.

#### Pair Display Mode (Windows PC only)

By using two Z-1 units of this mode in the network, the presenter's PC screens can be displayed to the connected displays in 2-split screen.

## How to Download User's Manual and Windows Utility

For more information, go to: <https://www.silextechnology.com/> and select **Resources** from the **Resources** drop-down under the main navigation menu on the Silex homepage. Select Z-1 from the list of product choices in the drop-down field and download the associated documents and utilities.

### Customer Support

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