

# **Wireless Presentation Box**

**Z-1**

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## **User's Manual (Projection Method)**



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WA105990XX

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# *1.* Introduction

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Thank you for purchasing the Wireless Presentation Box "Z-1".  
This manual provides information on how to configure and use Z-1.  
Please read the **1-2. Safety Instructions** carefully before using Z-1.

# 1-1. Introduction

---

## About the notation

This manual uses the following symbols to indicate specific information for operating Z-1. Be sure to carefully review before using Z-1.



**TIP**

: This symbol indicates important information that needs to be observed when operating Z-1. Make sure to read this information for safe and proper use.



**Note**

: This symbol indicates information that is useful when using Z-1. If you experience difficulties operating Z-1, please refer to this information first.

## Disclaimers

- The unauthorized transfer or copying of the content of this manual, in whole or in part, without prior written consent is expressly prohibited by law.
- The content of this manual is subject to change without notice.
- This manual was prepared to accurately match the content of each OS, but the actual information shown on the computer monitor may differ from the content of this manual due to future OS version upgrades, modifications, and other changes.
- Although every effort was made to prepare this manual with the utmost accuracy, Silex Technology will not be held liable for any damages as a result of errors, setting examples, or other content.

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## 1-2. Safety Instructions

This page provides the safety instructions for safe use of Z-1.

To ensure safe and proper use, please read the following information carefully before using Z-1.

### <Indication of the warning>

	<b>Warning</b>	"Warning" indicates the existence of a hazard that could result in death or serious injury if the safety instruction is not observed.
	<b>Caution</b>	"Caution" indicates the existence of a hazard that could result in serious injury or material damage if the safety instruction is not observed.

### <Meaning of the symbols>

	This symbol indicates the warning and caution. ( Example:  "Danger of the electric shock" )
	This symbol indicates the prohibited actions. ( Example:  "Disassembly is prohibited" )
	This symbol indicates the actions users are required to observe. ( Example:  "Remove the AC plug from an outlet" )

**<Installation>**

 <b>Warning</b>	
	<ul style="list-style-type: none"><li>• Do not place anything on top of the product. Also, do not place the product on top of the other product. Failure to do so may cause fire, electrical shock, malfunction or performance degradation.</li><li>• Do not cover up the product with a cloth such as blanket or table cloth. The heat remains inside and it may cause fire or malfunction.</li></ul>

 <b>Caution</b>	
	<ul style="list-style-type: none"><li>• Do not use or store the product under the following conditions. It may cause malfunction.<ul style="list-style-type: none"><li>- Locations subject to vibration or shock</li><li>- Shaky, uneven or tilted surfaces</li><li>- Locations exposed to direct sunlight</li><li>- Humid or dusty places</li><li>- Wet places (kitchen, bathroom, etc.)</li><li>- Near a heater or stove</li><li>- Locations subject to extreme changes in temperature</li><li>- Near strong electromagnetic sources (magnet, radio, wireless device, etc.)</li></ul></li><li>• When installing the product to a high position, make sure that the product is firmly fixed so it does not drop for weight of the cables.</li></ul>

**<Safe handling>**

 <b>Warning</b>	
	<ul style="list-style-type: none"><li>• Do not move the product when the AC adaptor is connected to it. The cable of AC adaptor may be damaged, and which may result in fire or electric shock.</li><li>• For use of the devices connected to the product, please follow all warnings, cautions and notices given by that manufacturer and carefully use them in a proper manner. Failure to follow these instructions may cause fire, electrical shock or malfunction.</li><li>• If a ground wire is supplied with your device to use with, connect it to the ground terminal in order to prevent an electrical shock. Do not connect the ground wire to gas pipe, water pipe, lighting rod or telephone ground wire. It may cause malfunction.</li></ul>

 <b>Caution</b>	
	<ul style="list-style-type: none"><li>• The product may become hot when it is in use. Be careful of the heat when moving or removing the product.</li></ul>

**<Handling of malfunctioned units>**

 <b>Warning</b>	
	<ul style="list-style-type: none"> <li>In the following cases, turn off the connected devices and unplug the AC plug of the product from a power outlet. Failure to follow these instructions may cause fire or an electrical shock.               <ul style="list-style-type: none"> <li>- When the product emits a strange smell, smoke or sound or becomes too hot to touch.</li> <li>- When foreign objects (metal, liquid, etc.) gets into the product.</li> <li>- When the product is dropped or the case is broken or cracked.</li> </ul> </li> </ul>

**<Ventilation>**

 <b>Warning</b>	
	<ul style="list-style-type: none"> <li>Do not cover up the vents on the product. The temperature inside may rise and cause fire or malfunction.</li> </ul>

**<Disassembly / Modification>**

 <b>Warning</b>	
	<ul style="list-style-type: none"> <li>Do not disassemble or modify the product. It may cause fire, electrical shock or malfunction.</li> <li>Do not disassemble or modify the AC adaptor that comes with the product. It may cause fire, electrical shock or malfunction.</li> </ul>

**<Power supply>**

 <b>Warning</b>	
	<ul style="list-style-type: none"> <li>Use the correct power voltage. Improper voltage may cause fire or an electrical shock.</li> </ul>

 <b>Caution</b>	
	<ul style="list-style-type: none"> <li>Always use the AC adaptor supplied with the product. Other AC adaptors may cause malfunction.</li> <li>When the product will not be used for a long period of time, unplug the power cables of the product and other devices.</li> </ul>

**<Use of AC adaptor and AC cord>**

 <b>Warning</b>	
	<ul style="list-style-type: none"><li>• Do not place any objects on top of AC adaptor, and do not cover it up with anything. Also, do not use the AC adaptor on top of the heat/moisture retaining materials (carpet, sponge, cardboard, styrofoam, etc.). The accumulated heat may result in fire or malfunction.</li><li>• Do not roll up or wrap the AC cord. It may cause fire or an electrical shock.</li><li>• Do not plug or unplug the AC adaptor or any other cables with wet hands. It may cause an electrical shock or malfunction.</li><li>• Keep the cords and cables away from children. It may cause an electrical shock or serious injury.</li></ul>

 <b>Caution</b>	
	<ul style="list-style-type: none"><li>• Do not place anything on top of the cables, and do not bend, twist and stretch the cables by force.</li><li>• Do not use the cables or AC cords at a place where someone may trip over them. It may cause serious injury.</li><li>• Do not pull on the cord to disconnect the plug from the power supply. The cord may be broken, which could result in fire or an electrical shock.</li><li>• Verify all codes or cables are plugged correctly before using the product.</li><li>• When removing the product, disconnect the AC plugs of both the product and the other device you are using with.</li></ul>

## 1-3. Product Information and Customer Services

### Product Information

The services below are available from the Silex Technology website. For details, please visit the Silex Technology website.

Silex Technology website  
(URL) <https://www.silextechnology.com/>

- Latest firmware download
- Latest software download
- Latest manual download
- Support information (FAQ)

### Customer Support Center

Customer Support is available by e-mail or telephone for any problems that you may encounter. If you cannot find the relevant problem in this manual or on our website, or if the corrective procedure does not resolve the problem, please contact Silex Technology Customer Support.

Contact Information		
USA	+1-657-218-5199	support@silexamerica.com
Europe	+49-2154-88967-0	support@silexeurope.com



#### Note

- Refer to the Silex Technology website ( <https://www.silextechnology.com/> ) for the latest FAQ and product information.

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# 2. Applications for Z-1

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## 2-1. Available Apps

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- See silex technology's website for the latest OS support.

### Windows Apps

#### AMC Meeting

This is a Windows tool to mirror Windows PC screen on a display connected to Z-1. AMC Meeting can be used without installation.

#### AMC Meeting plus

This is a facilitation tool for Windows with Z-1. AMC Meeting plus enables the user to control AMC Meeting on participants' PC for mirroring the screen. When a participant's PC receives a projection order, the AMC Meeting will show the PC screen on Z-1's display. AMC Meeting plus can be downloaded from the silex technology's website and installed on the facilitator's Windows PC.

[Supported OS] (as of September 2019)

- Windows 8.1 (32-bit/64-bit)
- Windows 10 (32-bit/64-bit)



- The software works as a desktop application on Windows 8 or later versions.
- Windows RT is not supported.
- Windows 10 S mode is not supported.

### Android Apps

#### Google Cast

Android OS standard function enables display mirroring and audio transmission. Google Cast can be used only when Z-1 is operating in the Single presenter projection mode.

[Supported OS] (as of September 2019)

- Android 6 or later



- Some devices require Google Home to be installed.

### iOS/macOS Apps

#### AirPlay

The standard function of iOS and MacOS enables display mirroring and audio transmission. AirPlay can be used only when Z-1 is operating in the Single presenter projection mode.

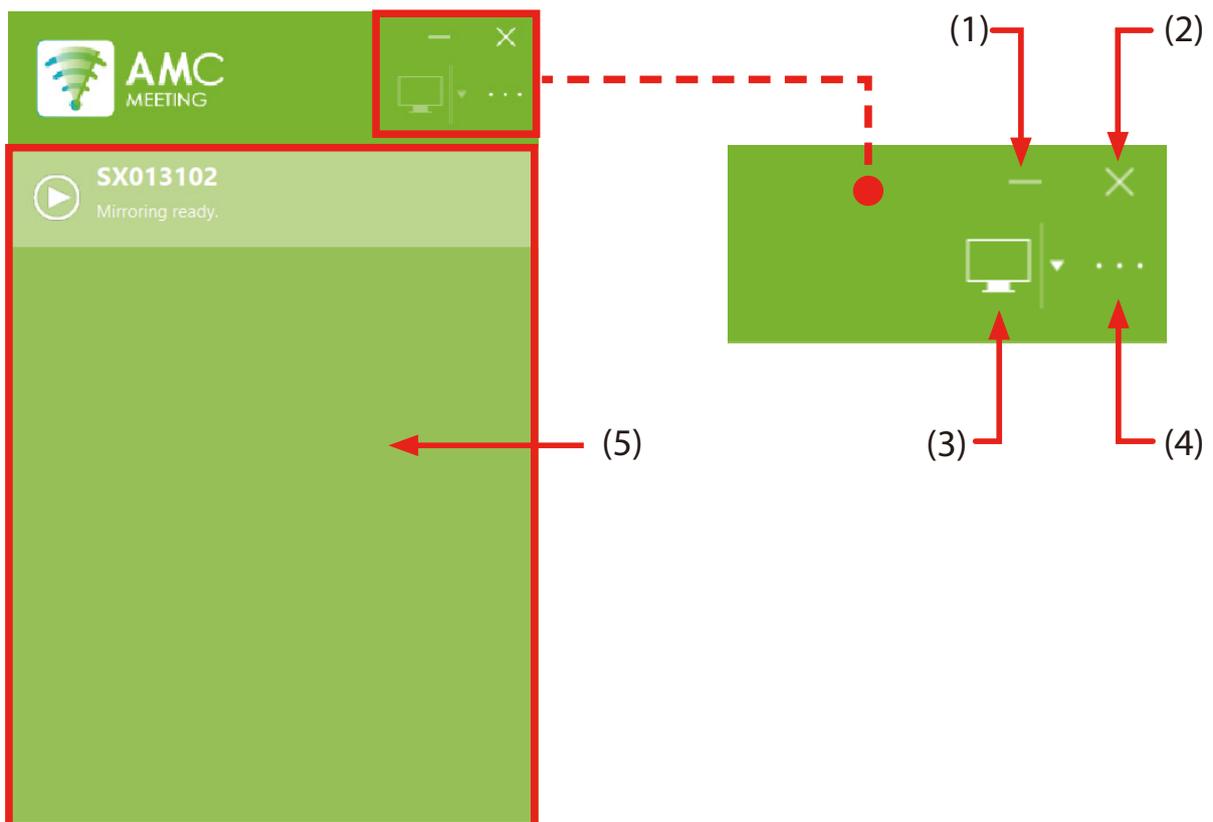
[Supported OS] (as of September 2019)

- iOS 11 or later
- macOS 10.12 or later

## 2-2. AMC Meeting

AMC Meeting is a Windows tool to mirror Windows PC screen on a display connected to Z-1. This chapter explains how to use AMC Meeting to send screens.

### 2-2-1. AMC Meeting Screen Layout



(1) Minimize button

Minimizes the main screen.

(2) Close button

Terminates AMC Meeting.

(3) Select Display button

Switches the Z-1 display when multiple displays are connected to Windows PC.

### (4) Menu

Shows the option menu.

### (5) List of Z-1

Shows Z-1s operating in the network. The list provides the name (display name) of Z-1s and the projection state with the following icons.

Icon	Status	Description
	Status update	Communicating with Z-1.
	Screen not shared	Windows PC screen can be mirrored on Z-1.
	Mirroring	Z-1 is playing the Windows PC screen.
	Other user screen	The other user is sharing the screen.

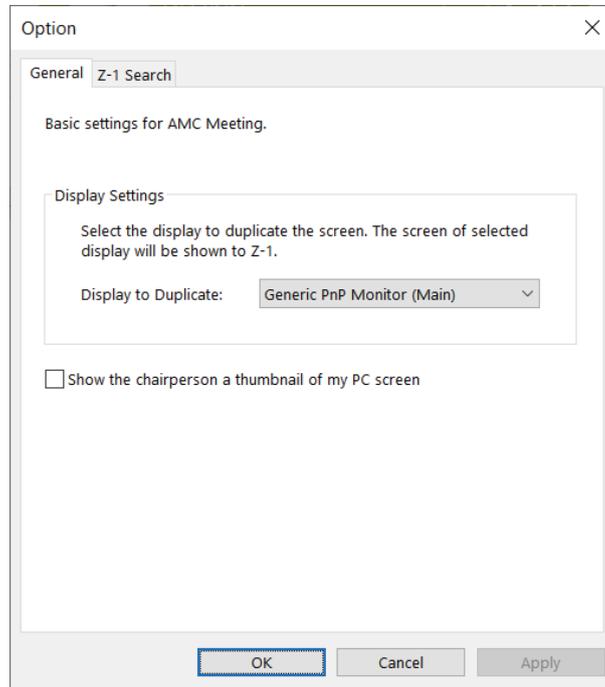


- The name of Z-1 (display name) can be changed from the web page under **Basic Settings** or **Z-1 Settings**. See "Z-1 User's Manual (Configuration Method)" for more details.

### **Note**

## 2-2-2. AMC Meeting Optional Settings

### General Window



### General Window (General tab)

Updates settings for AMC Meeting's basic operation.

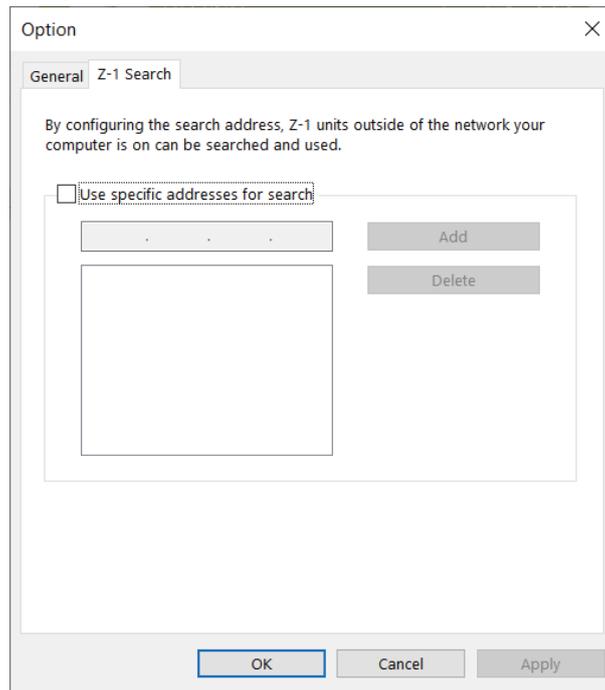
### Display Settings > Display to Duplicate

Select a display to be duplicated. Z-1 will show the selected display.

### Show the chairperson a thumbnail of my PC screen

Tick the box, and AMC Meeting will send a thumbnail of the desktop to AMC Meeting plus when it is in the facilitator mode.

Z-1 Search Window

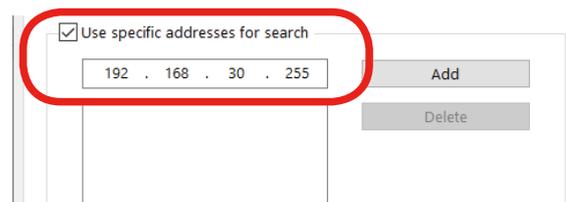


Z-1 Search Window (Z-1 Search tab)

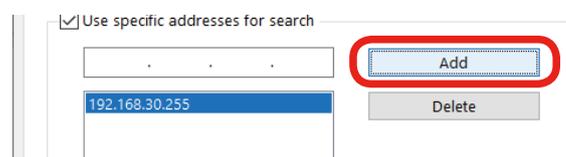
Register addresses to look for Z-1 outside of the network where the Windows PC locates. Up to 32 addresses can be registered.

How to register search addresses

1. Tick **Use specific addresses for search**, and enter a search address in the input box.



2. Click **Add**. The search address will be added to the list.

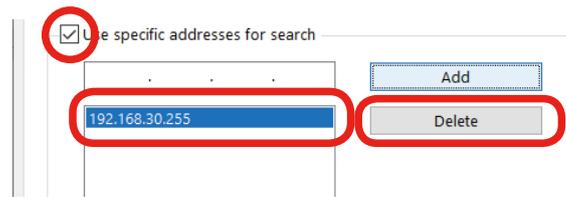


3. Register all addresses for Z-1 search, and Click **OK**.



### How to delete search addresses

1. Tick **Use specific addresses for search**, and highlight an address to delete. Click **Delete**.



2. Click **OK** after addresses are deleted.

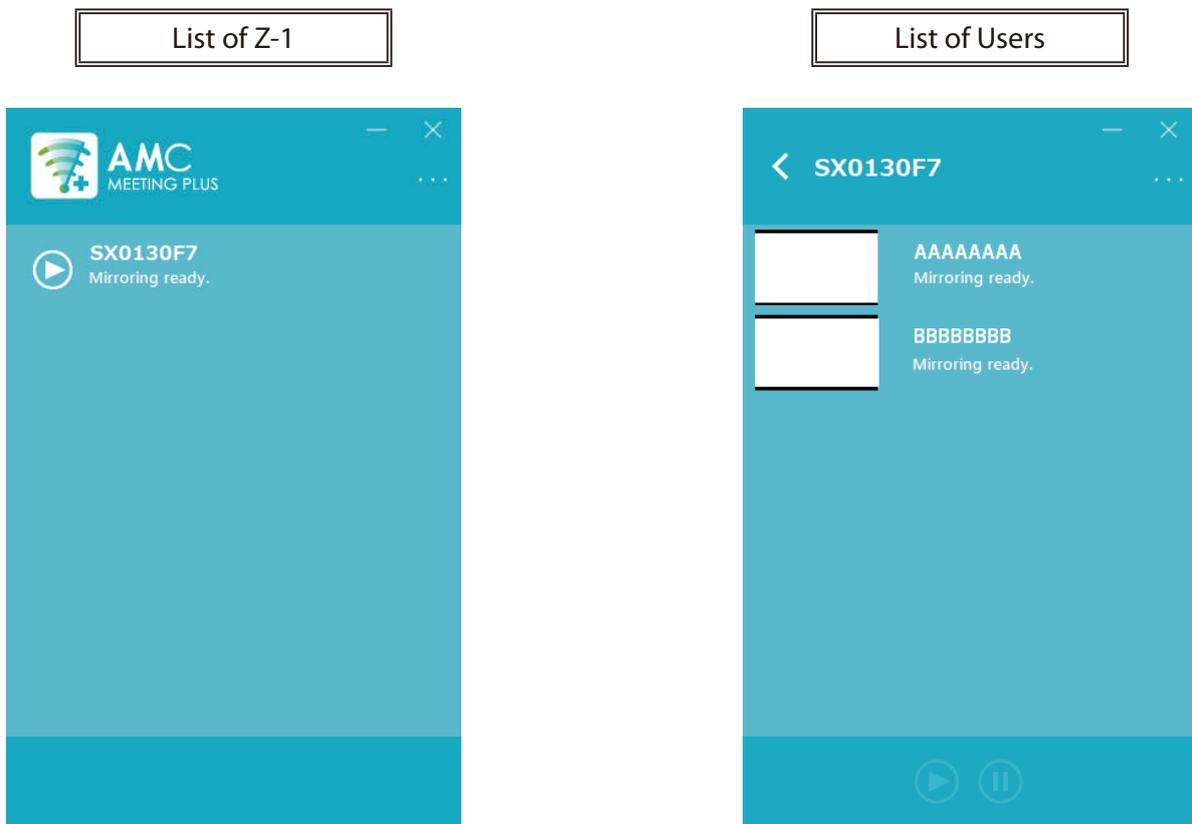


## 2-3. AMC Meeting plus

AMC Meeting plus is a facilitation tool for Windows with Z-1. The facilitator sends mirroring orders to participants' PC, and the PC screen will be shown on Z-1's display.

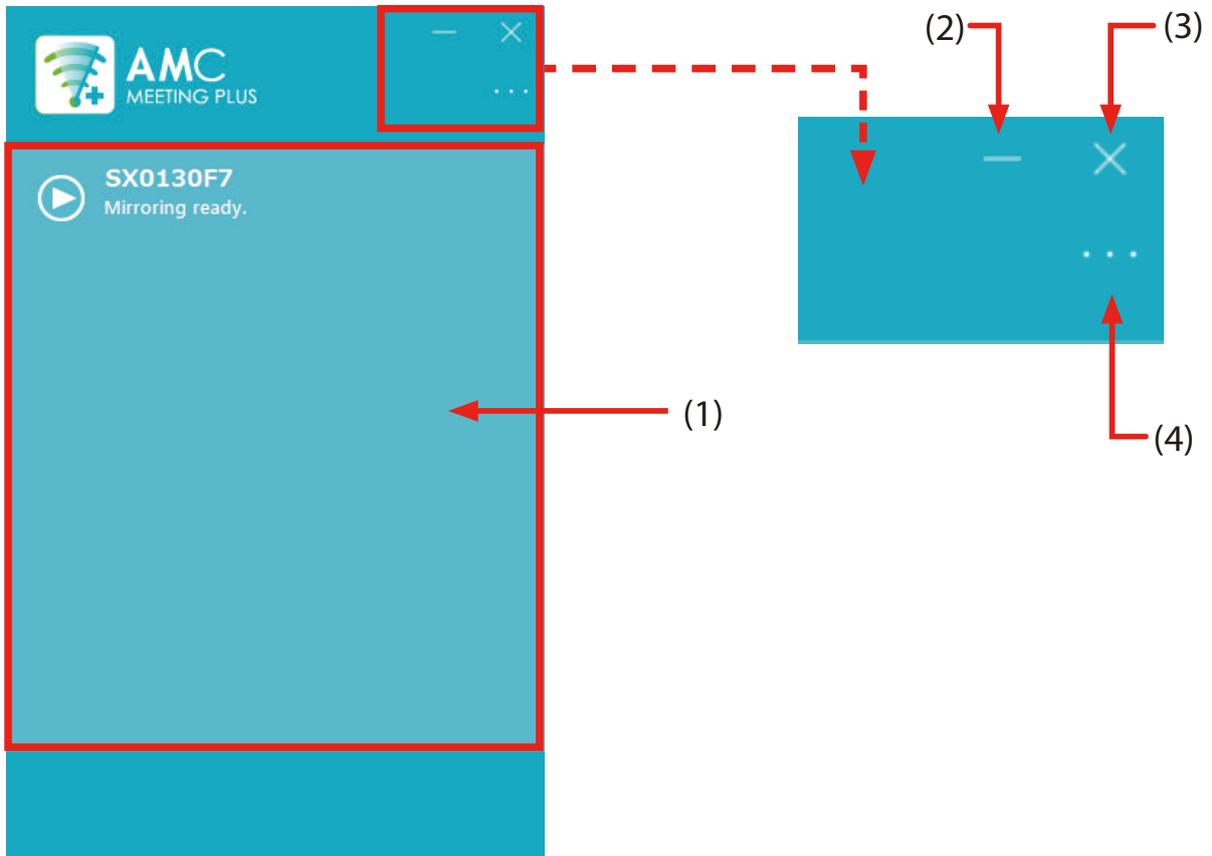
### 2-3-1. AMC Meeting plus Screen Layout

AMC Meeting plus shows the list of Z-1 and the list of users.



## List of Z-1

This screen shows all Z-1s operating in the network.



### (1) List of Z-1

Shows Z-1s operating in the network. The list provides the name (display name) of Z-1s and the projection state with the following icons.

Icon	Status	Description
	Status update	Communicating with Z-1.
	Screen not shared	Windows PC screen can be mirrored on Z-1.
	Mirroring	Windows PC screen is now on Z-1's display.
	Other user screen	The other user is sharing the screen.



### Note

The name of Z-1 (display name) can be changed from the web page under **Basic Settings** or **Z-1 Settings**. See "Z-1 User's Manual (Configuration Method)" for more details.

(2) Minimize button

Minimizes the main screen.

(3) Close button

Terminates AMC Meeting plus.

(4) Menu

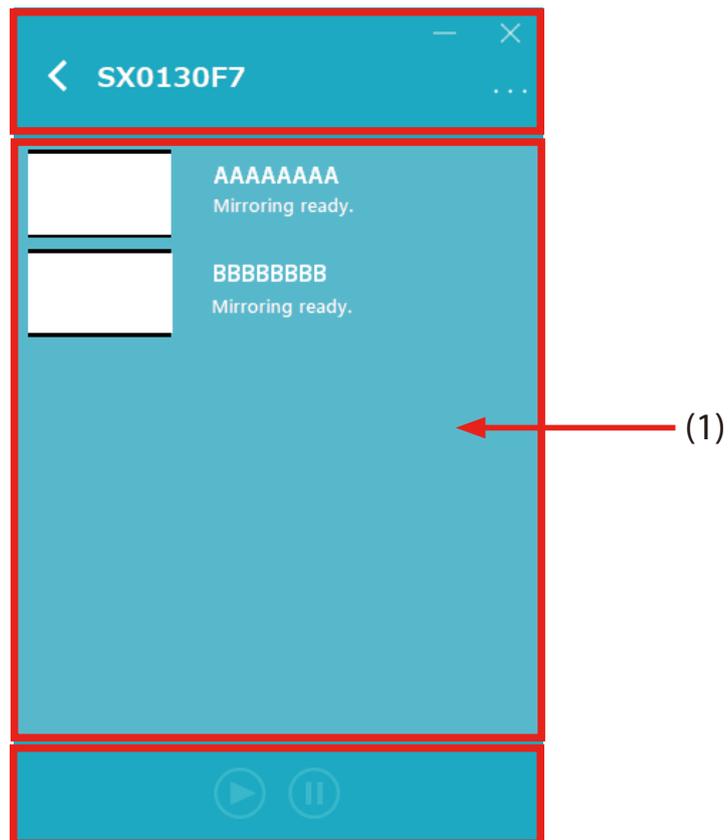
Shows the option menu.

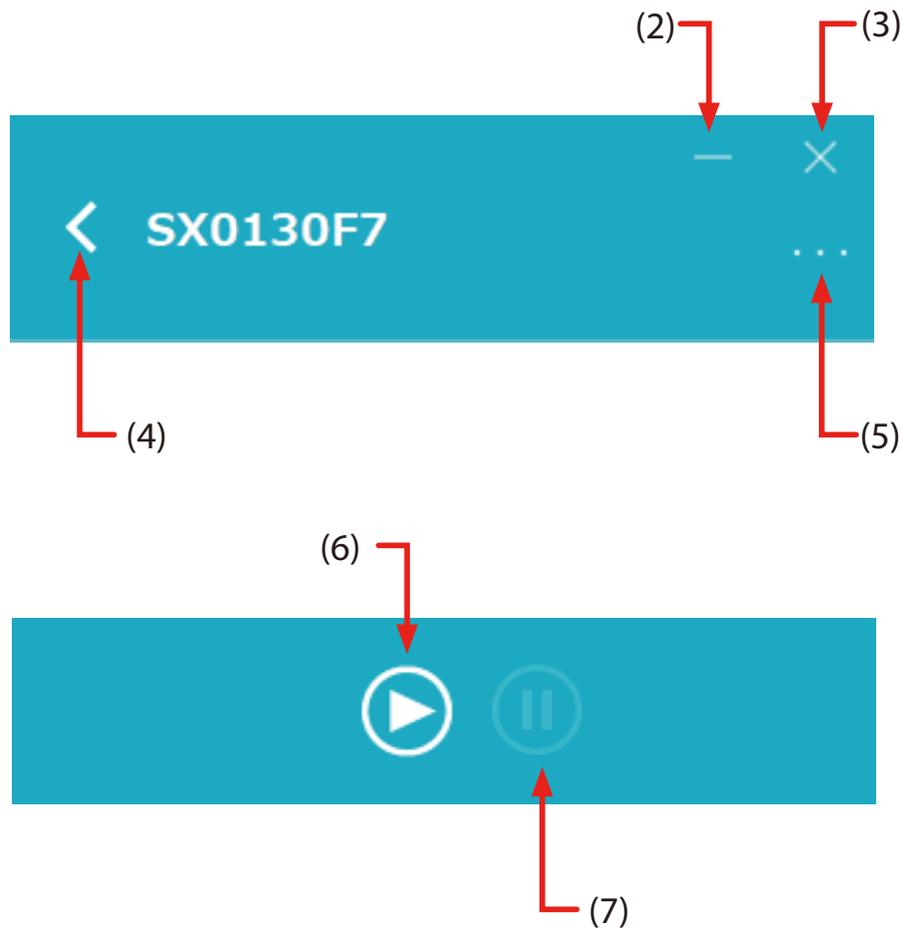
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## List of Users

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This screen shows Windows PCs when their AMC Meeting is operating.



**(1) List of users**

The list provides the name of users and the status. Windows full names are used as the name. When a PC does not have a full name, Windows user name will be used. Users are sorted by name.

When the option setting of AMC Meeting, **Send a thumbnail of PC screen to the facilitator**, is enabled, a thumbnail of the user PC screen will be displayed.

**(2) Minimize button**

Minimizes the main screen.

**(3) Close button**

Terminates AMC Meeting plus.

**(4) Return button**

Switches the screen to the list of Z-1.

**(5) Menu**

Shows the option menu.

(6) Play button

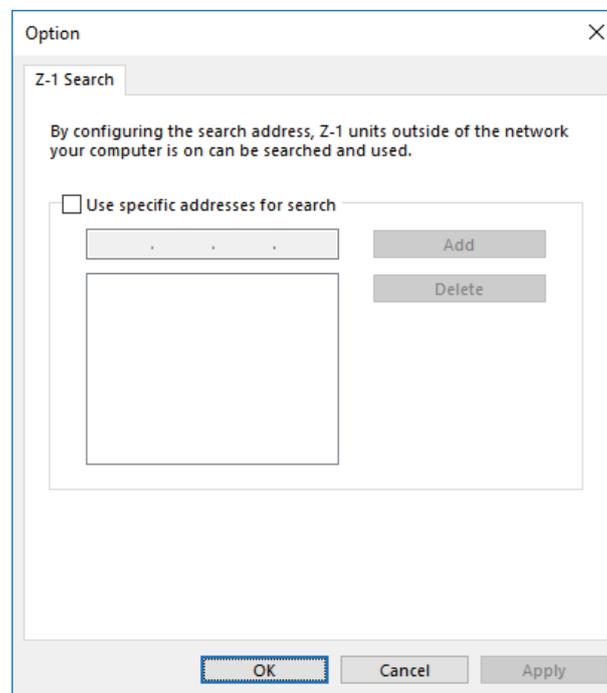
Shows the screen of selected user PC on Z-1's display.

(7) Stop button

Stops the projection of selected screen.

## 2-3-2. AMC Meeting plus Option Settings

Z-1 Search Window



### Z-1 Search Window (Z-1 Search tab)

Register addresses to look for Z-1 outside of the network where the Windows PC locates. This setting is same as that of AMC Meeting. See "2-2-2. AMC Meeting Option Settings" for how to register MAC addresses.

## 2-3-3. Installing AMC Meeting plus

### How to Download AMC Meeting plus

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AMC Meeting plus can be downloaded from silex technology's website.

1. Access our website below.

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

2. Go to the Support page and select the product model.
3. The download page appears. Download AMC Meeting plus in a folder, and unzip the file.

Now, you have AMC Meeting plus on your PC.

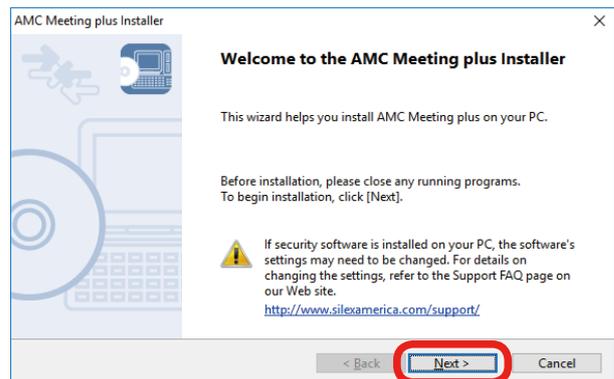
## How to Install AMC Meeting plus

1. Double-click **Setup.exe** in the unzipped folder of AMC Meeting plus to start the installer.

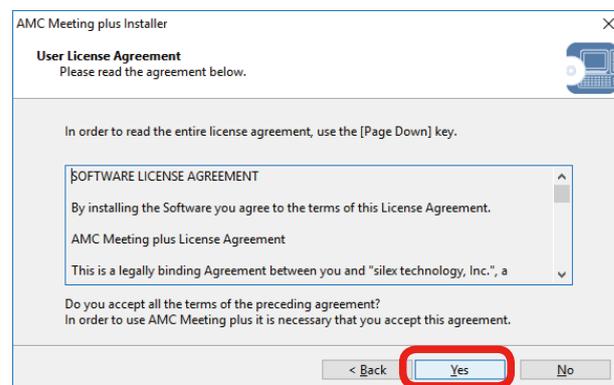


• The consent prompt may appear for user account control. When it appears, click **Yes** or **Continue**.

2. AMC Meeting plus installation wizard starts. Click **Next**.

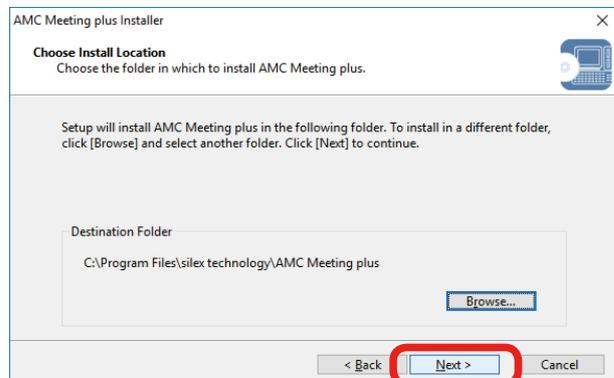


3. Read through the software user license agreement, and click **Yes** if you accept the agreement.



4. Choose a destination folder, and click **Next**.

**Browse...** button shows a folder dialog box. You can choose a destination folder in the file tree view.





- The following characters are forbidden in the path field of the folder dialog box. Entering an invalid character causes error.

**TIP**

[Invalid characters]

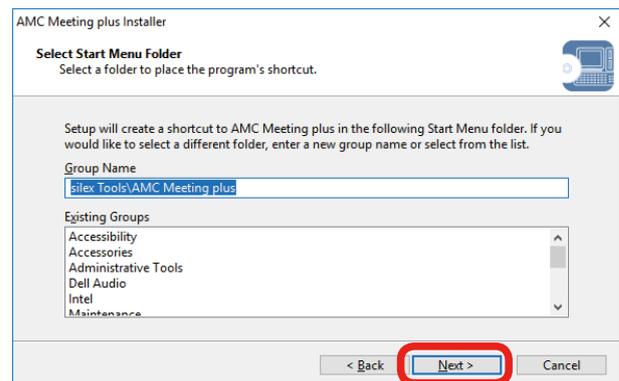
- ./:;\*?"<>|
- \\ (Two yen marks in a row)
- ." (a period) or " " (a space) before or after a folder name.



**Note**

- The default destination folder is (X:\Program Files)\silex technology\AMC Meeting plus.
- For overwrite installation, new AMC Manager plus will be installed in the current installation folder.

## 5. Specify a group name to be shown on Start Menu, and click **Next**.



- See Step 4 for invalid characters.

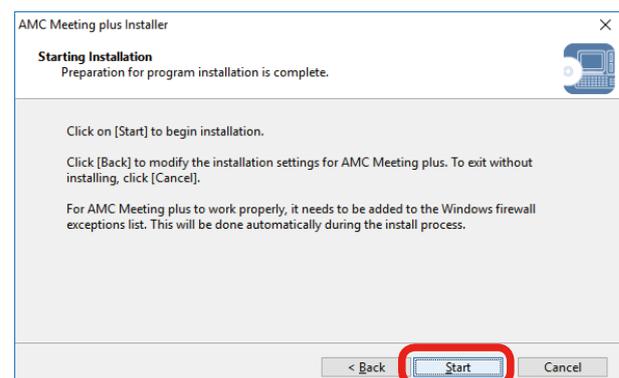
**TIP**



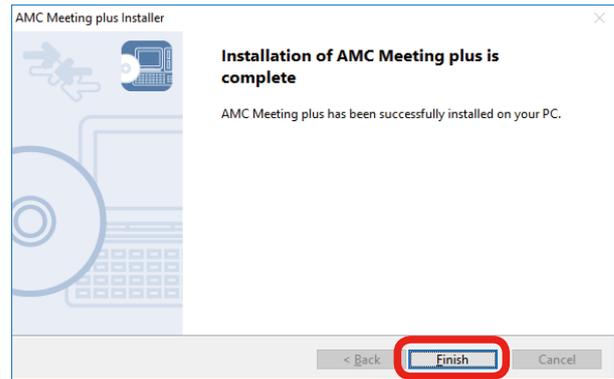
**Note**

- The default group name is **silex Tools\AMC Meeting plus**.
- When AMC Manager plus is overwritten by the new installation, the former group name will be used.

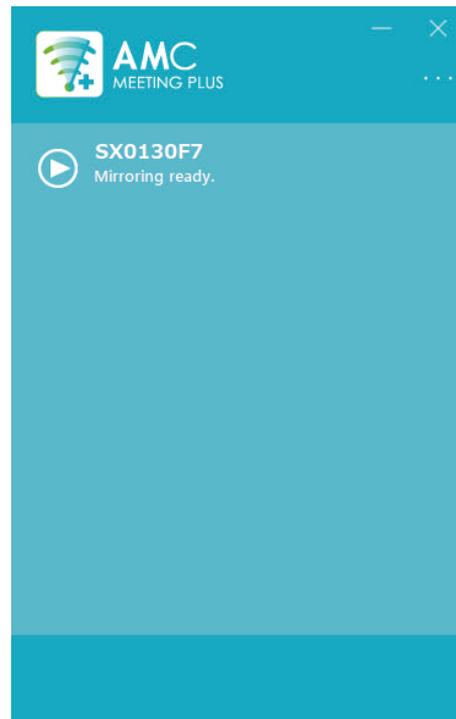
## 6. Click **Start** to initiate the installation.



7. It is the end of AMC Meeting plus installation. Click **Finish**.



8. AMC Meeting plus will start and show the list of Z-1.



## 2-3-4. Uninstalling AMC Meeting plus

Go to **Control Panel** and choose **Uninstall** to uninstall AMC Meeting plus.

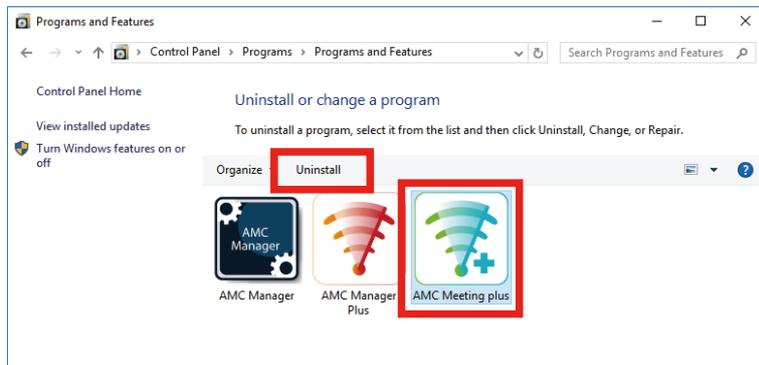


**TIP**

- Uninstall AMC Meeting plus with Administrator account.
- Windows 10 is used in the following steps. For other versions of Windows, screen layouts or menu options may be different.

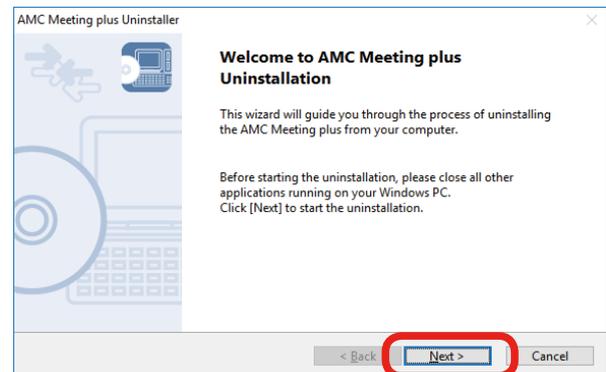
1. Open **Control Panel** and click **Uninstall a Program** or **Programs and Features**.

## 2. Select AMC Meeting plus from the list and click **Uninstall**.

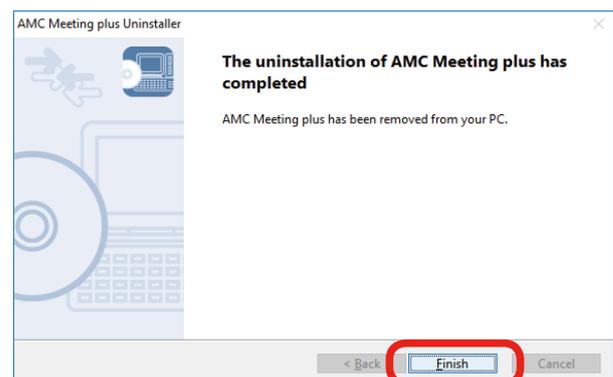


- When the uninstaller appears, the consent prompt may appear for user account control. Click **Yes** or **Continue**.

## 3. The uninstaller runs. Click **Next** to initiate the uninstallation.



## 4. When the following window appears, AMC Manager plus has been uninstalled. Click **Finish**.



Now, AMC Manager plus has been removed from the PC.

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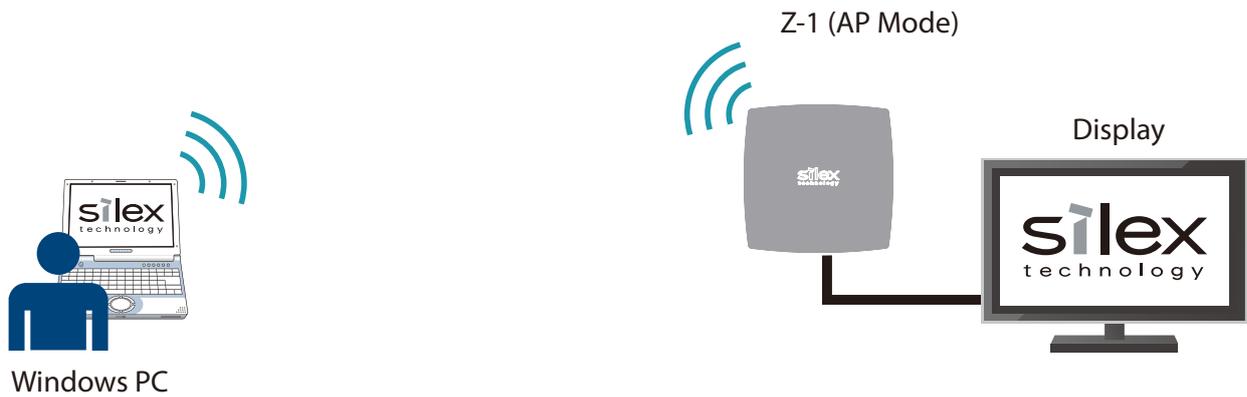
# 3. Mirroring Screen with AMC Meeting

---

## 3-1. Mirroring Windows PC Screen

This chapter describes how to share Windows PC screen with Z-1's display using AMC Meeting.

### Connecting PC to Z-1 in Access Point (AP) mode



### Connecting Z-1 to an access point in the same network



## 3-2. Launching AMC Meeting

AMC Meeting is published in the network shared folder of Z-1. Go through the following steps and run the execution file to start AMC Meeting.

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.

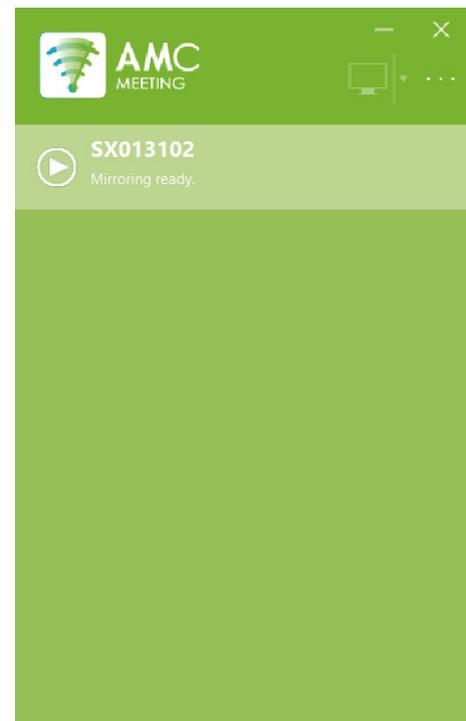
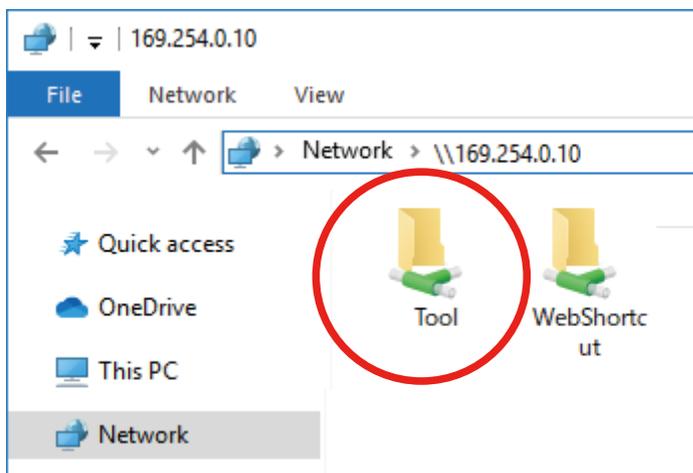
### When using IP address

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 **Tool** folder and run AMC Meeting's execution file (**Projection.exe**). AMC Meeting will start and show the main screen.



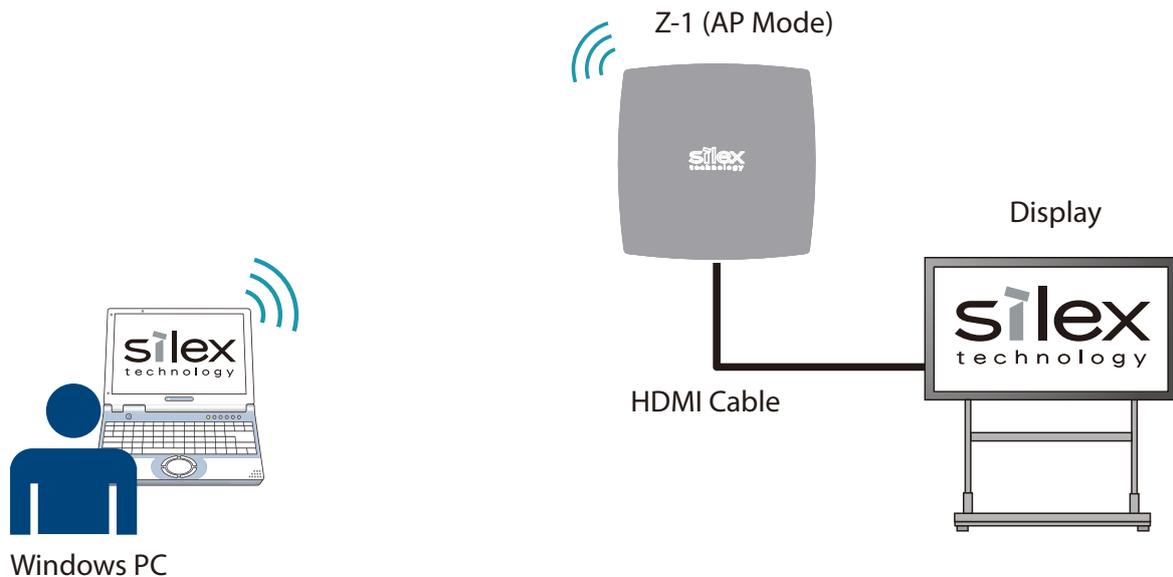
- Create a shortcut of **Projection.exe** on Desktop to run AMC Meeting quickly next time.

### Note

## 3-3. Sharing Screen with Z-1

### 3-3-1. Mirroring Windows PC Screen

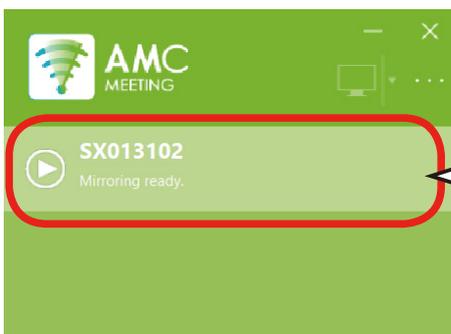
Sharing Windows PC screen with Z-1's display



Click Z-1 on the list to send the screen. A display connected to the Z-1 will start showing the PC screen, and the AMC Meeting status will change to "Mirroring in progress".

Standby

Mirroring



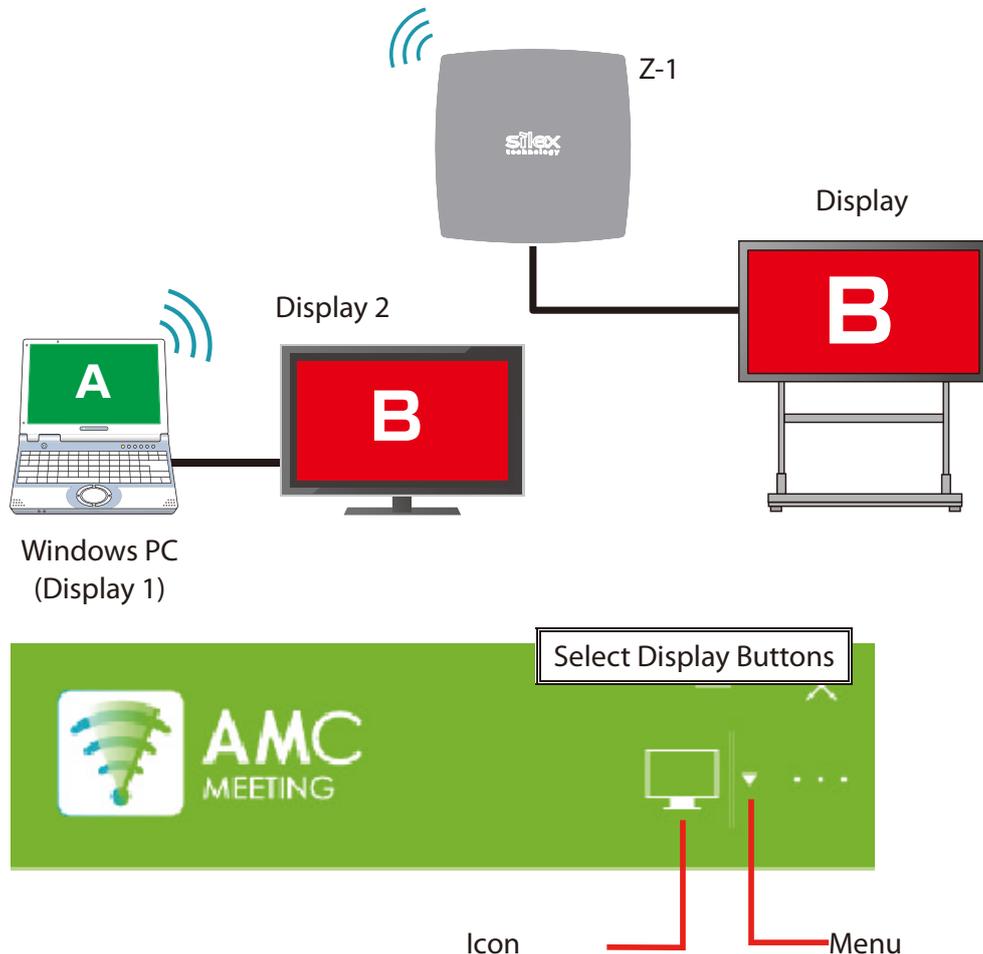
Click Z-1 to send the screen.



- When another Windows PC starts sending its screen, the screen will replace Z-1's current screen.

## 3-3-2. Changing Screen

When multiple displays are connected to Windows PC, the display selection buttons can switch the screen to be shared with Z-1.



**Click the icon to select a screen.**

Every click on the icon changes the display to be shared with Z-1's display.

**Click the menu to select a screen.**

Display menu appears. Choose a display to share with Z-1.



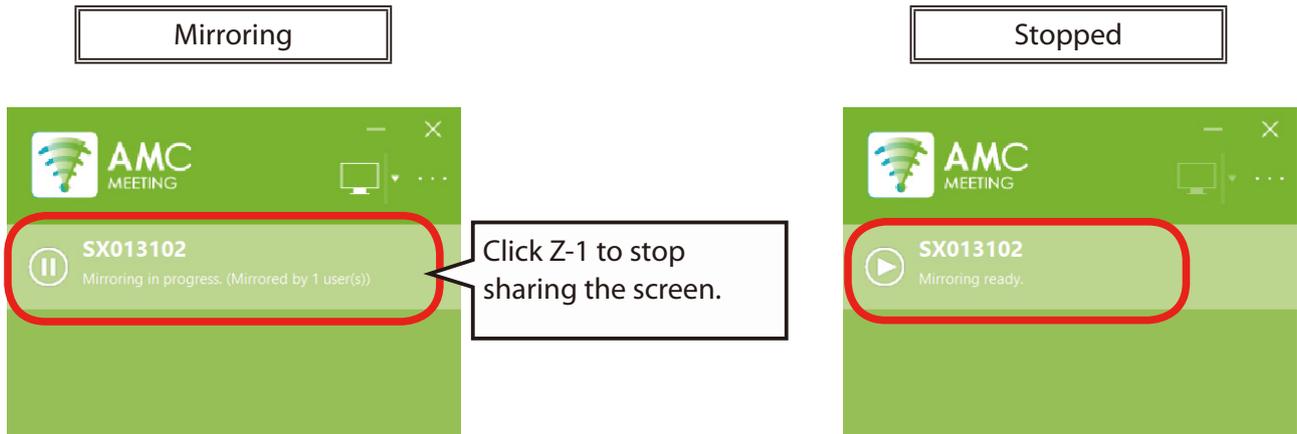
### Note

- AMC Meeting records the last display selected, and shares the display with Z-1 next time.
- If the last display selected is detached from Windows PC, AMC Meeting will share the first display with Z-1. Example) See the above illustration. If Display 2 was the one selected just before AMC Meeting was closed, and then was detached from Windows PC, AMC Meeting will share Display 1 with Z-1 for next use.

### 3-3-3. Stopping Mirroring

This section describes how to stop mirroring the screen.

Click mirroring Z-1 on the list. When it is clicked, AMC Meeting will stop sharing the screen and change the status to "Mirroring ready".



### 3-3-4. Exiting AMC Meeting

Click the close button of AMC Meeting.

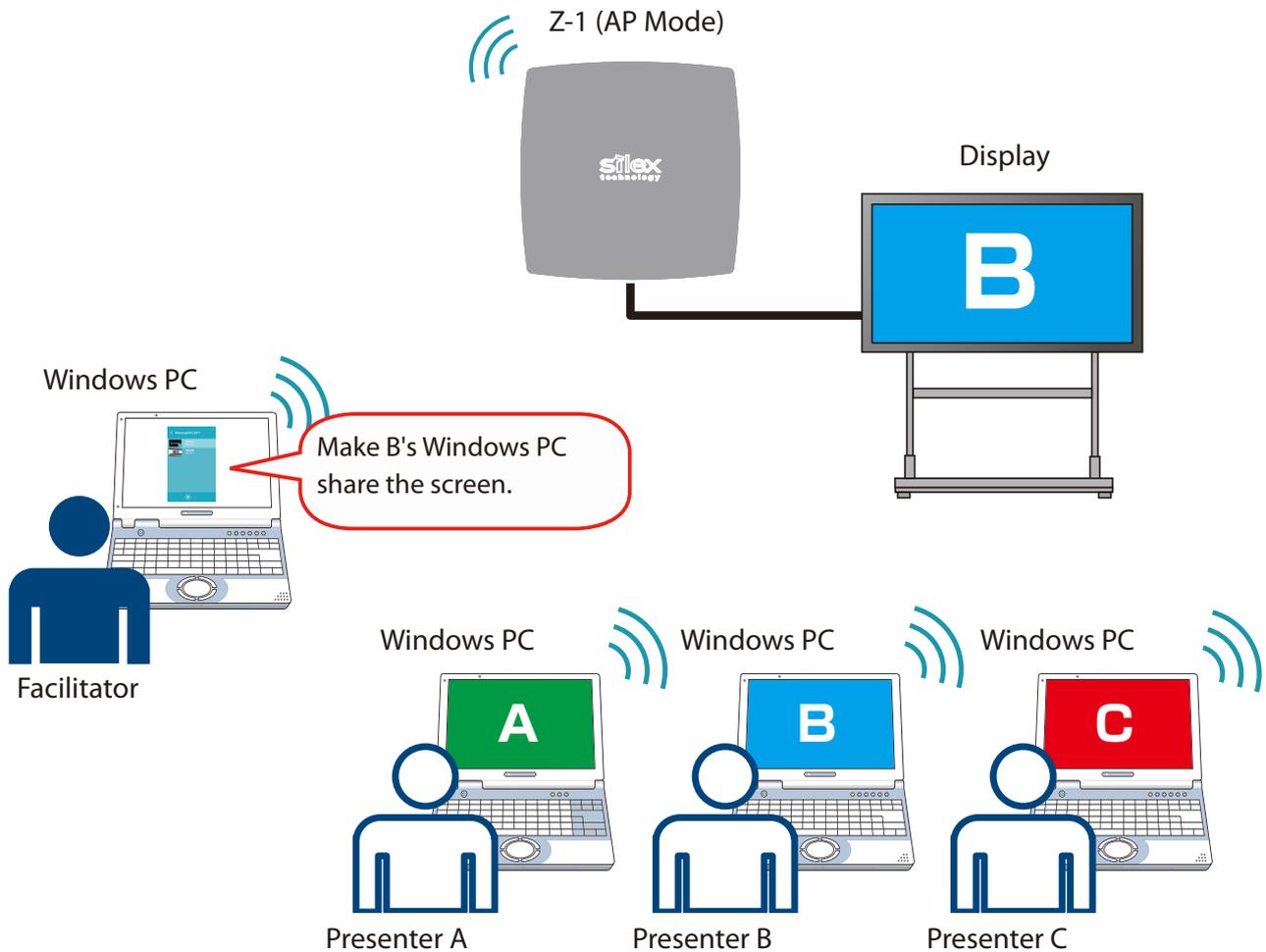


# **4. Mirroring Screen with AMC Meeting plus**

---

## 4-1. Preparation

Prepare Windows PCs for the facilitator and presenters. Z-1's display shows Windows PC screen of presenters chosen by the facilitator.



## 4-1-1. Preparing Facilitator's Windows PC

1. Install AMC Meeting plus on the facilitator's Windows PC.



- Refer to "2-3-3. Installing AMC Meeting plus" for the installation.

### Note

2. Start AMC Meeting plus just installed. Click **Start** button and then click **silex Tools > AMC Meeting plus** under the **Start** menu.

3. Change the projection mode as follows.

#### For full-screen display:

Select "Single Presenter" to turn on the single presenter mode.

#### For split-screen display:

Select "Multi Presenter" to turn on the multi presenter mode.



- See "7-3. Changing Projection Modes".

### Note

## 4-1-2. Preparing Presenters' Windows PC

Start AMC Meeting on the presenters' Windows PC.



- See "3-2. Launching AMC Meeting" for how to run AMC Meeting.

### Note

## 4-2. Sharing Screen with Z-1 (Facilitator Mode)

Z-1's display shows Windows PC screen of presenters chosen by the facilitator.

### 4-2-1. Facilitator to Choose and Show Presenters' Screen

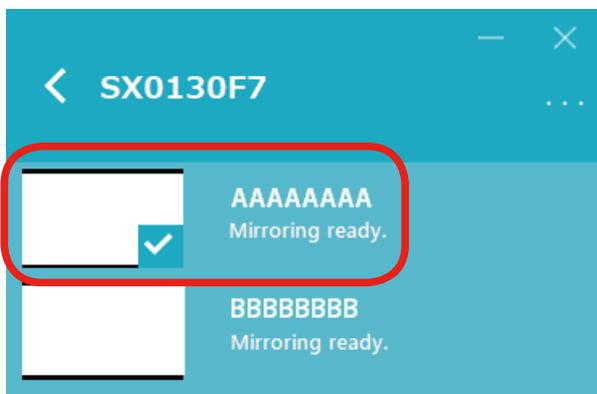
1. See the list of Z-1 in AMC Meeting plus and click Z-1 for the meeting.



2. The list of users appears and shows the selected Z-1's name (Display name) at the top of the window. Click the user(s) (presenters) on the list.

Here are how many users can be selected:

- Single presenter mode: One user
- Multi presenter mode: Up to 4 users



- Clicking the arrow ("<") next to Z-1' name brings back the list of Z-1.

#### Note

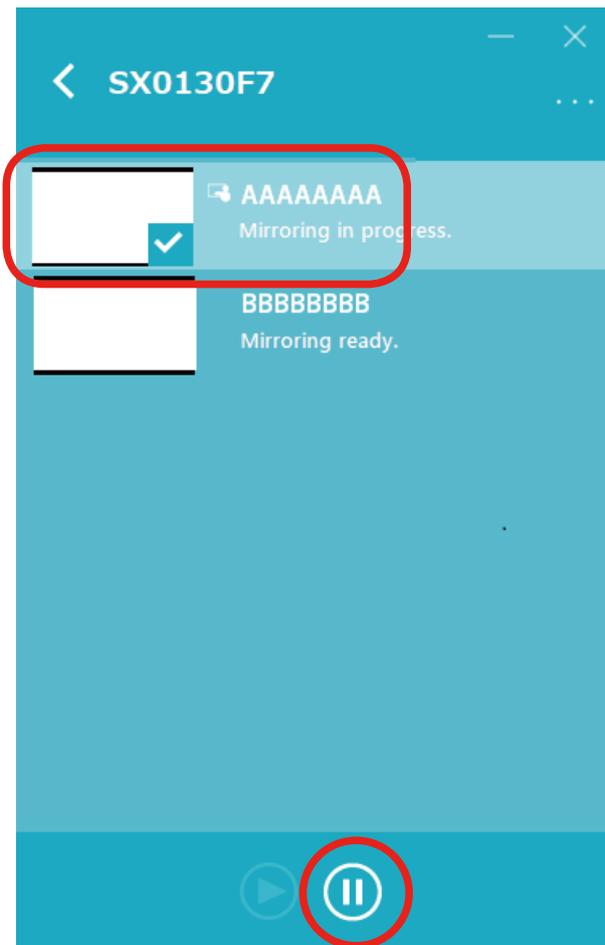
3. The play button shows up at the bottom of the window. Click the button to start sharing the PC screen of the user(s) selected.



## 4-2-2. Stopping the Display

This section shows how to stop sharing the display.

1. Select a user to stop mirroring from the list of users, and then click the stop button at the bottom. The user's AMC Meeting will stop sharing the screen.



2. The status of the user changes to "Mirroring ready" after the user's AMC Meeting stopped mirroring.



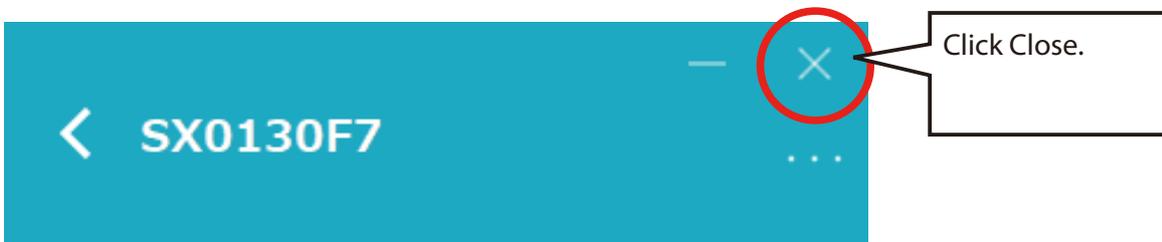
### 4-2-3. Exiting AMC Meeting plus

Click the close button of AMC Meeting plus.

List of Z-1 Window



List of Users Window



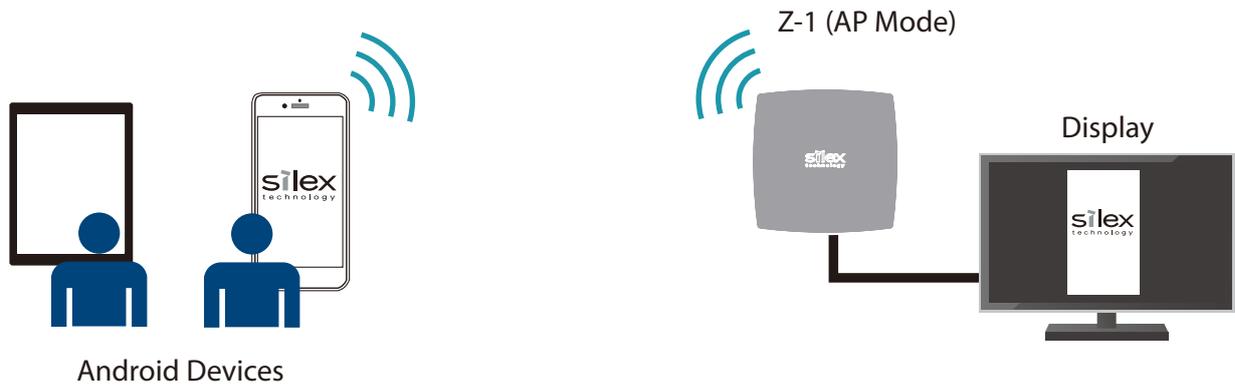
# 5. Mirroring Screen with Google Cast

---

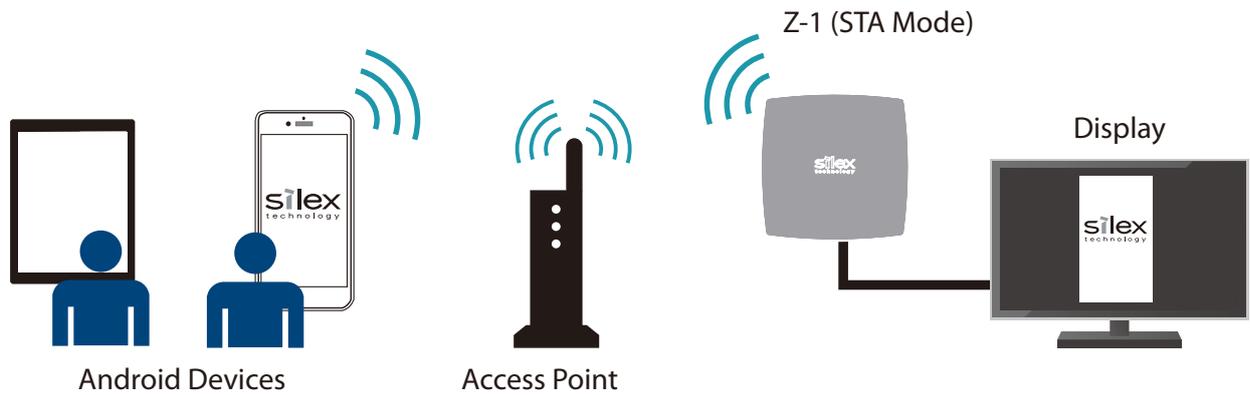
## 5-1. Mirroring Android Device Screen

This chapter describes how to cast the screen of Android device to Z-1's display using Google Cast.

### Connecting Android to Z-1 in Access Point (AP) mode



### Connecting Z-1 to an access point in the same network



## 5-1-1. Mirroring Android Device Screen

---

This chapter describes how to cast the screen of Android devices to Z-1's display.



- Make sure that Z-1's date and time information is correct. To do so, enable the NTP client setting of Z-1 and provide the address of NTP server to connect. When Z-1 connects to a network which can connect to the Internet, Z-1's clock will automatically get the correct time.
- Some Android devices have different icons or user interfaces from this manual. For more information, see the device's instruction manual.

1. Connect the Android device to Z-1 in the same network.
2. Tap **Settings** and see the setting screen.
3. Scroll down the screen and tap **Display**.
4. Scroll down the screen and tap **Cast**. The device list will show Z-1 found in the network.
5. Tap Z-1 to cast the Android device's screen to Z-1's display.

## 5-1-2. Stopping Cast

Open **Cast** and tap **Stop Casting** or **Disconnect** to stop mirroring.

(Blank page)

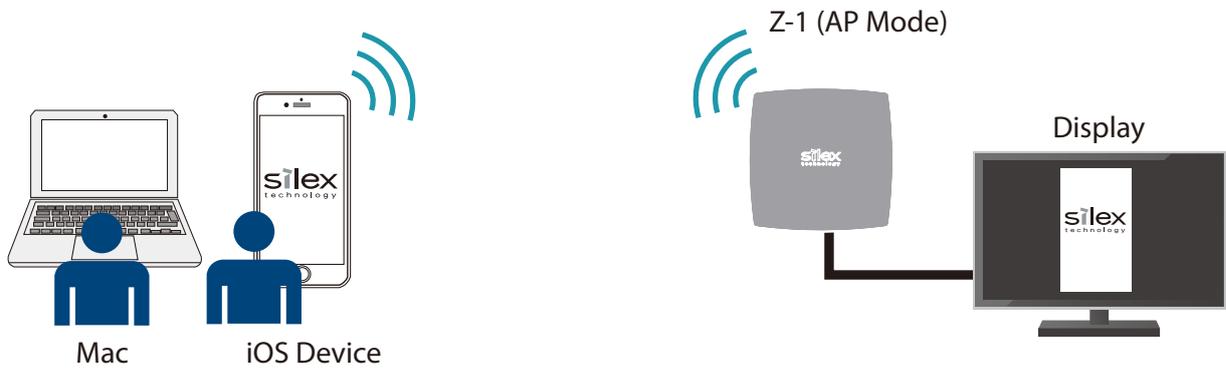
# **6.** Mirroring Screen with AirPlay

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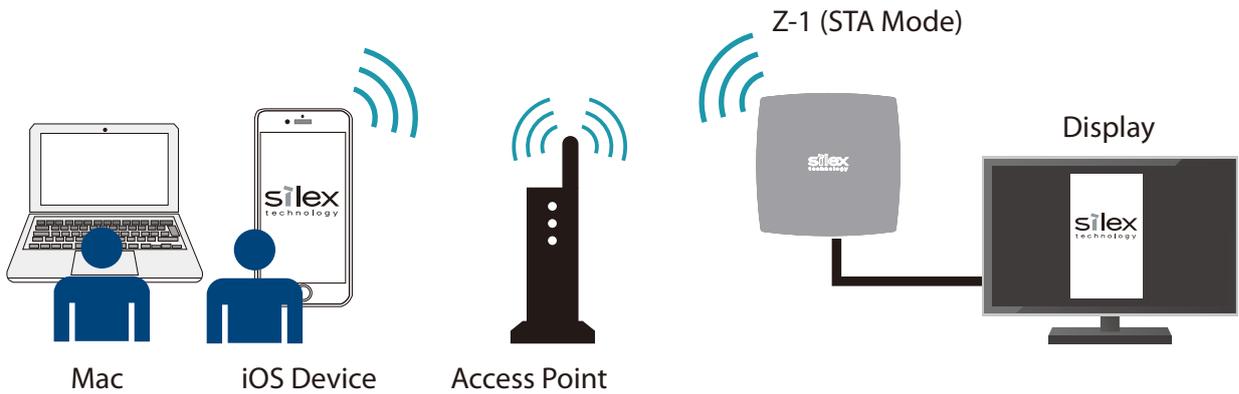
## 6-1. Mirroring Mac/iOS Device Screen

This chapter describes how to play the screen of iOS device on Z-1's display using "Screen Mirroring".

### Connecting iOS to Z-1 in Access Point (AP) mode



### Connecting Z-1 to an access point in the same network



## 6-1-1. Mirroring iOS Device Screen

### How to Mirror iOS Device Screen

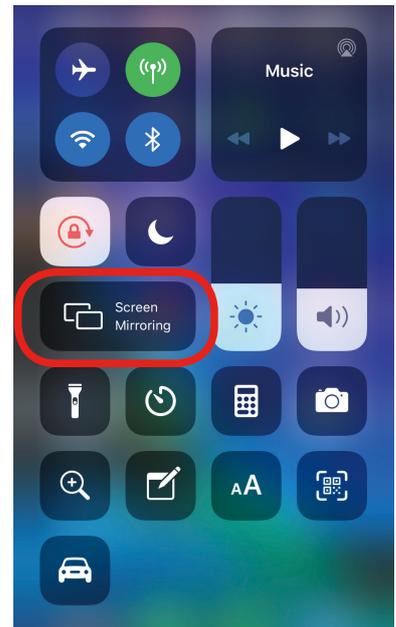
This section explains how to mirror the screen of iOS device on Z-1's display.

1. Connect the iOS device to Z-1 in the same network.
2. Open **Control Center** and tap **Screen Mirroring**. The setting window will appear for screen mirroring and show Z-1 found in the network.



#### Note

- If Z-1 is not shown on the list, check the iOS device and Z-1 are connected to the same network.



3. Tap Z-1 on the list, and Z-1's display will play the iOS device screen.

### Stopping Mirroring

Open **Control Center**, tap **Screen Mirroring**, and then tap **Stop Mirroring**.

## 6-1-2. Mirroring Mac Screen

### Using AirPlay

---

This section describes how to mirror Mac's screen on Z-1's display.

1. Connect Mac to Z-1 in the same network.
2. Click  in the menu bar at the top of the screen, and select Z-1.



Tip

- If you don't see  go through the following steps.
  1. Go to Apple menu > **System Preferences**, and open **Displays**.
  2. Select **Show mirroring options in the menu bar when available**.

3. Z-1's display plays the Mac screen.

### Stopping AirPlay

---

1. Click  in the menu bar at the top of the screen, and select Z-1.
2. Choose **Turn AirPlay Off**.

# 7. Using Tool Bar

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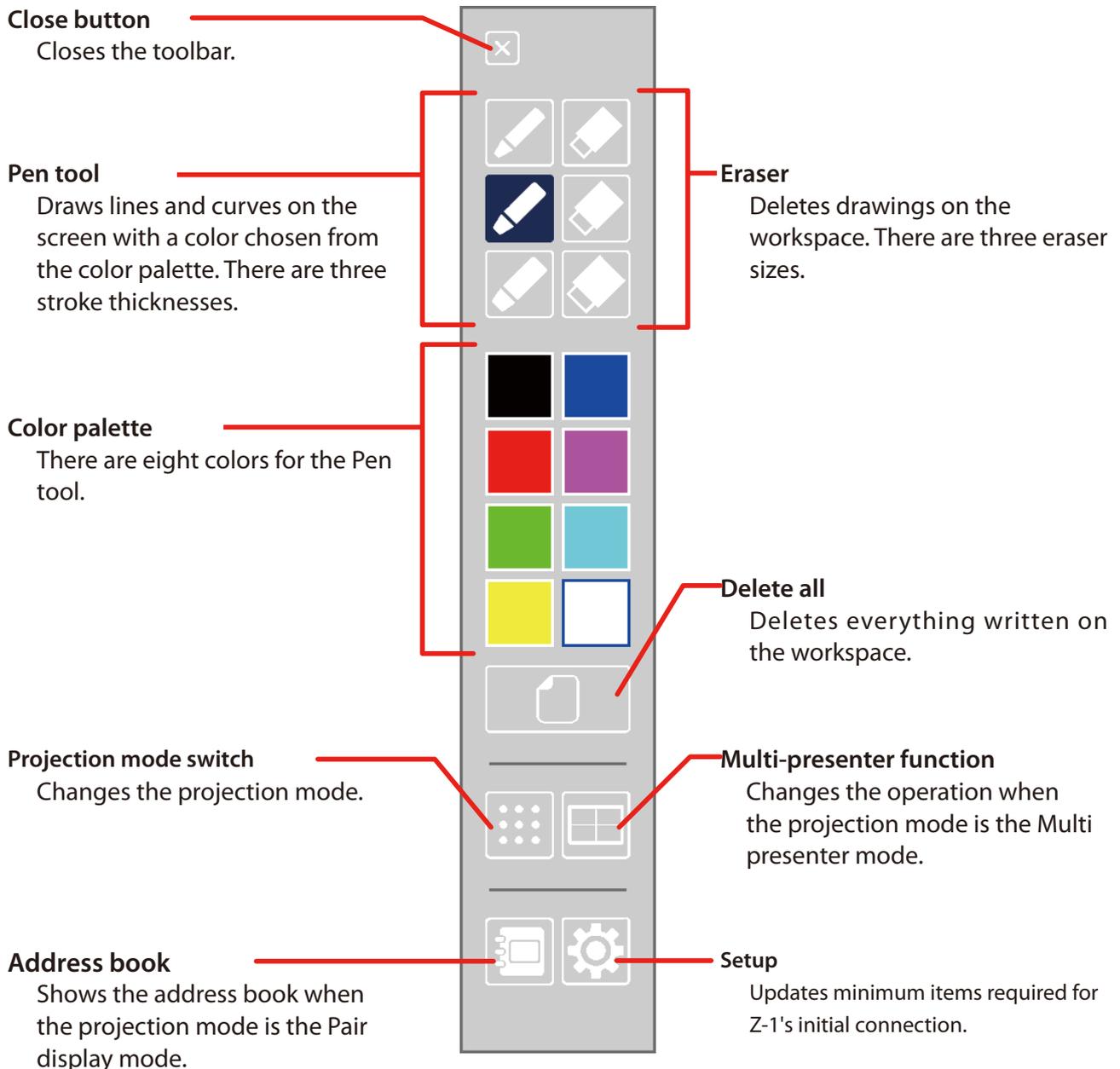
## 7-1. Overview

Connect a USB mouse to Z-1, and right-click on the screen. The toolbar appears to provide the user with quick access to functions.



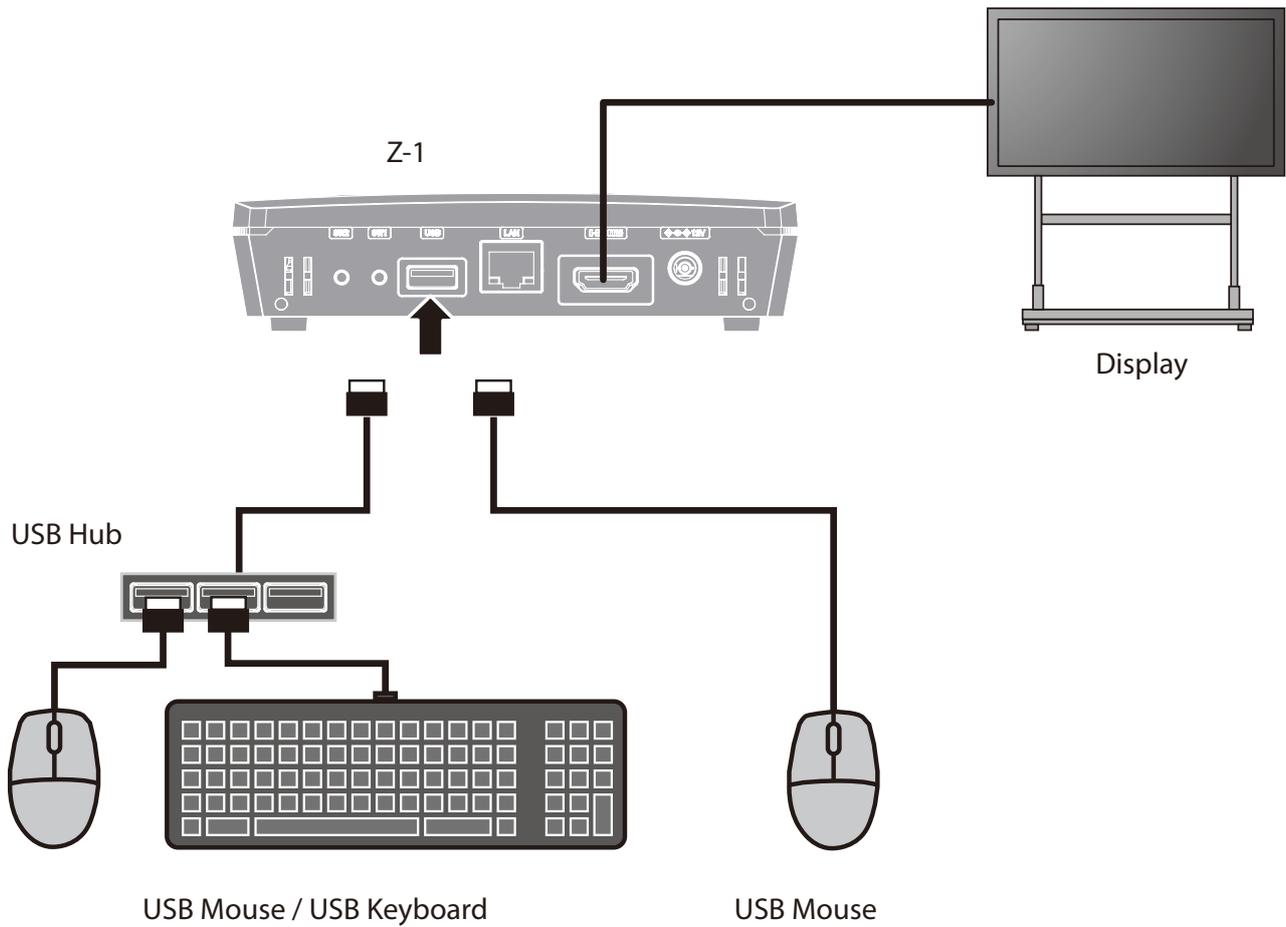
- When the device server setting is enabled at **Access control** of web page, the toolbar cannot be used.

### 7-1-1. Tool Bar Layout



## 7-1-2. Before Using Toolbar

Connect a USB mouse to Z-1's USB port to access the toolbar functions. In order to use the setup function or to enter the IP address/host name manually in the address book function, connect a USB hub to Z-1 and connect a USB mouse and a USB keyboard to the hub.



## 7-1-3. Showing/Closing Toolbar

### Showing Toolbar

---

Right-click on the screen with the USB mouse, and the toolbar appears.

### How to Close Toolbar

---

There are two ways to close the toolbar.

- Right-click on the screen.
- Click the close button on the toolbar.



**Note**

- To close the toolbar, the following functions need to be terminated:
  - Projection mode switch
  - Address book
  - Multi presenter mode
  - Setup

---

## 7-2. Using Drawing Functions

---

### 7-2-1. Using Pen tool

1. Choose a stroke thickness from the pen tool and a color from the color palette.
2. Drag the mouse by holding the left mouse button, and a line will appear along with the mouse pointer.

**Note**

- Start Z-1 after a USB mouse is connected, and the pen tool function will be activated.
- The pen tool function is enabled while the USB mouse is being connected to Z-1. To disable the pen tool, detach the USB mouse from Z-1.

### 7-2-2. Deleting Drawings

Pen drawings can be deleted.

**Delete Partly**

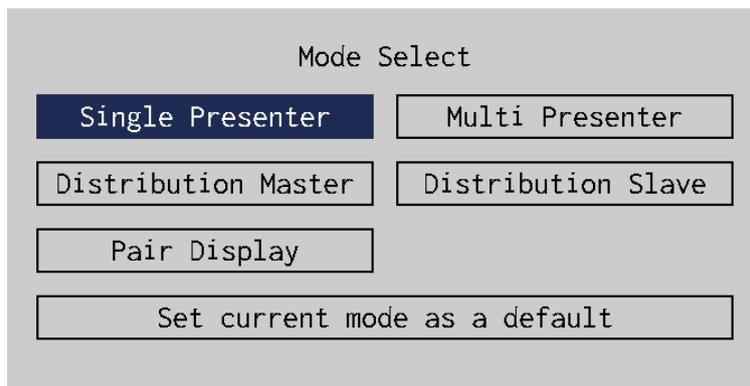
1. Select the Eraser icon from the toolbar.
2. Move the USB mouse pointer to drawings that you want to delete. Move the pointer by holding the left mouse button, and the drawings will be deleted along with the mouse pointer.

**Delete All**

Click the Delete All icon on the toolbar. All drawings on the screen will be deleted.

## 7-3. Changing Projection Modes

1. Click the Projection mode switch icon on the toolbar.
2. The projection-mode change menu appears. Click the projection mode with the USB mouse, and the change menu will close and a message will appear to change the projection mode.



### Single Presenter

Turns on the single presenter mode.

### Multi Presenter

Turns on the multi-presenter mode.

### Distribution Master

Turns on the distribution master mode.

### Distribution Slave

Turns on the distribution slave mode.

### Pair Display

Turns on the pair display mode.

### Set current mode as a default

The mode currently in use will be set to the default mode after restart. After the setting is changed, the projection-mode change menu will close.



**TIP**

- When the mode is changed, the connecting sessions will be disconnected.
- Z-1 shows an OSD message and does not accept the control during the mode change.



**Note**

- The current projection mode is shown in bold.

## 7-4. Multi-Presenter Mode Operation Function

The multi-presenter mode operation function can be used only when the projection mode is the Multi-presenter mode, and allows the following operations:

- Change positions of sessions
- Disconnect sessions
- Show the full screen display
- Switch the primary session

### 7-4-1. Starting Multi-Presenter Mode Operation Function

#### Starting Multi-Presenter Mode Operation Function

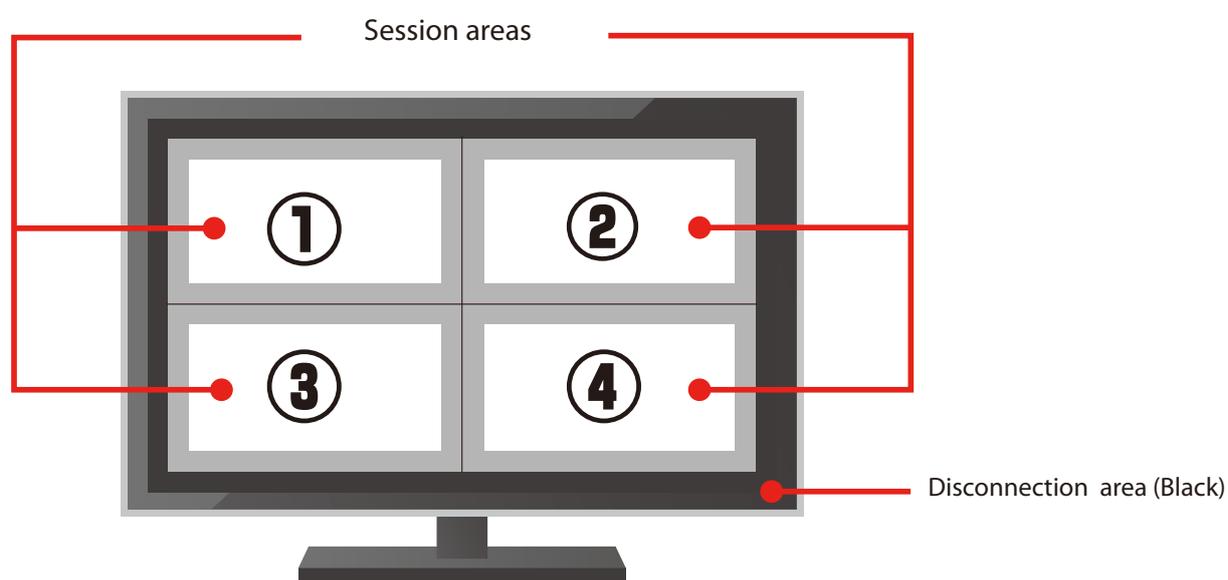
When the multi-presenter mode operation icon is clicked, the mouse pointer appears on the screen.



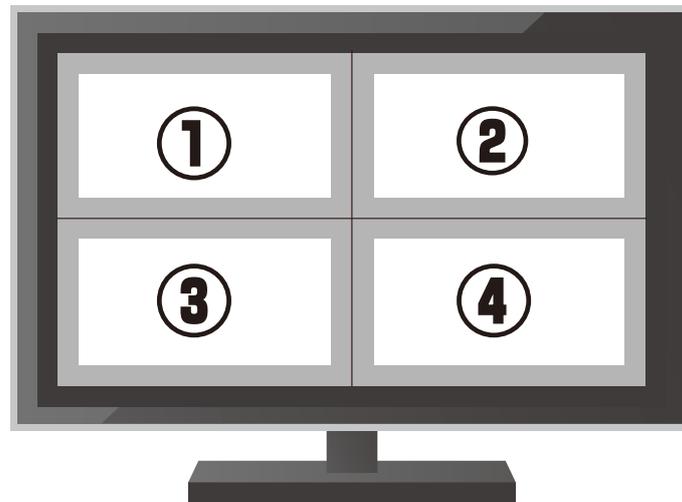
#### Note

- To terminate the function, right-click on the screen.

#### Pointer Operation on Split-Screen

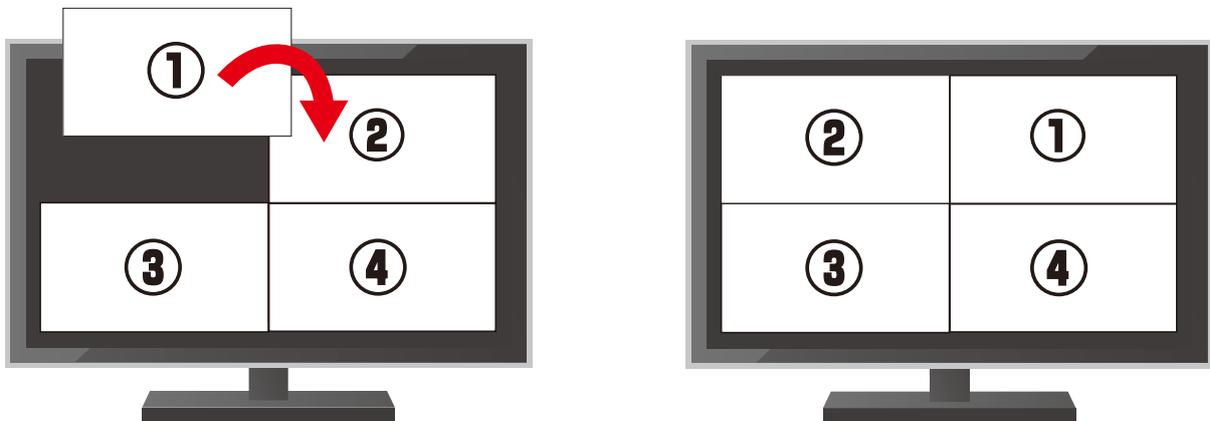


## 7-4-2. Changing/Switching Display Location



**Drag and drop the screen image to change the location.**

Example) Drag the screen image (1) and drop it to (2), the locations of (1) and (2) will change.



- When the screen image is dragged and dropped onto the black area, the session will be disconnected.
- When the screen image is dragged and dropped on to the gray area, the screen location will not be changed.

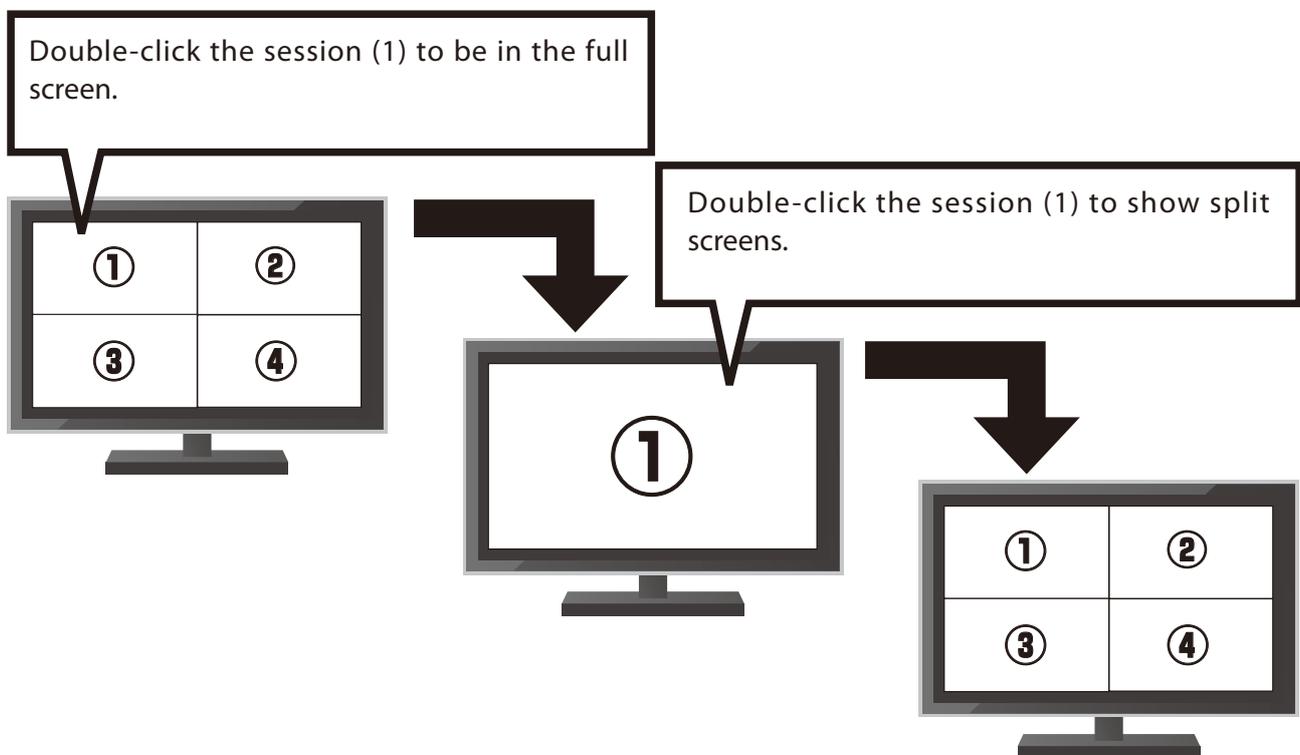
## 7-4-3. Showing Full Screen Display

### Split Screen => Full Screen Display

Double-click one of the session screens in the split screen. The clicked screen will be shown alone (full-screen display).

### Full Screen Display => Split Screen

Double-click anywhere on the full-screen display. The screen will be split into the number of sessions. The primary session will be the session that was in the full screen display.



## 7-4-4. Changing Primary Session

Select (click) one of the split screens to decide the primary session (for video playing at max. 30fps). In the full screen display, the displayed session is always the primary session. Non-primary sessions can send still images about every one second.

## 7-4-5. Disconnecting Session

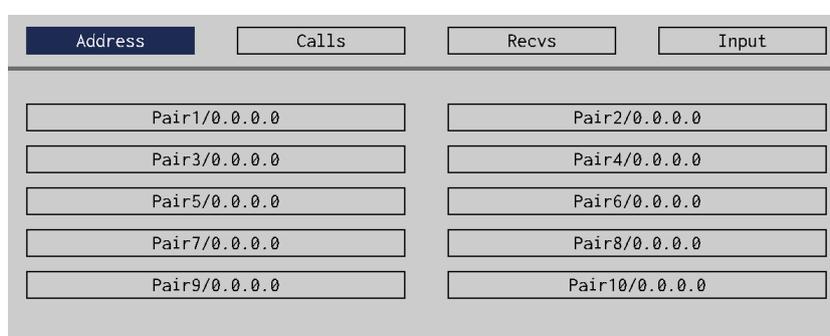
Drag the screen image to the edge (top/bottom/left/right) of the display. When the pointer changes to (X), drop the image and the session will be disconnected.

## 7-5. Address Book

The address book function enables the user in the pair display mode to select a communicating device from the address select screen or the call history screens (in/out calls). The user can also manually enter an IP address or a host name of connecting device in the input screen. This chapter explains functions that are only available in the pair display mode.

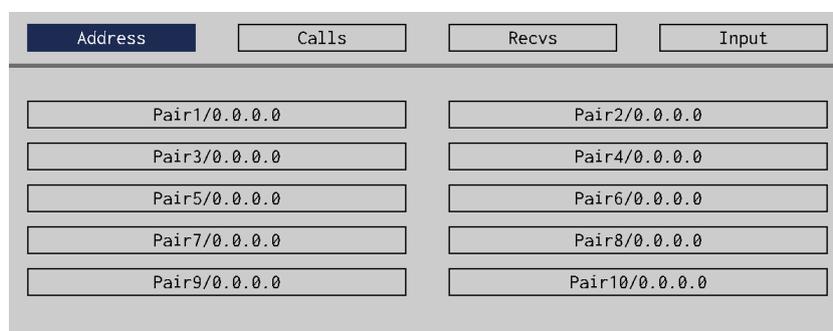
### 7-5-1. Address Book Layout

Click the Address Book icon on the toolbar, and the address select window appears.



### Address Select Screen

The address book shows a maximum of ten IP addresses or host names, which were registered at **Display setting** of the web page. This window does not allow the user to change (add/correct/delete) those addresses.



## Outgoing Call History Screen

Z-1 saves outgoing calls (IP addresses only) when the communication is established. If the most recent IP address has already been in history, the IP address will move to the top of the IP address list. The list can keep up to ten IP addresses. The oldest IP address will be deleted after the list contains ten addresses.

Address	Calls	Recvs	Input
192.168.10.10			
192.168.10.20			
192.168.10.40			

## Incoming Call History Screen

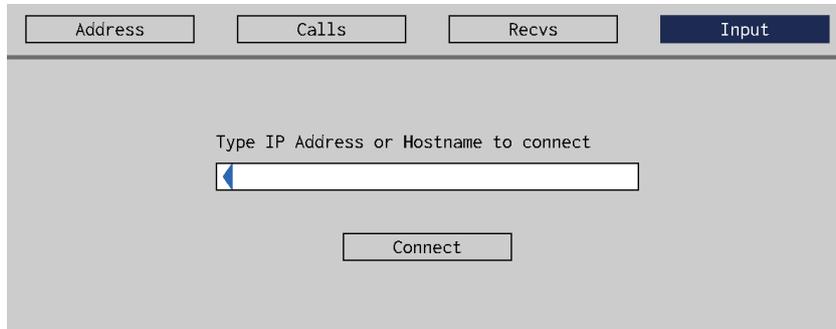
Z-1 saves incoming calls (IP addresses only) when the communication is established. If the most recent IP address has already been in history, the IP address will move to the top of the IP address list. The list can keep up to ten IP addresses. The oldest IP address will be deleted after the list contains ten addresses.

Address	Calls	Recvs	Input
192.168.10.10			
192.168.10.20			
192.168.10.40			

---

## Manual Input Screen

The user can manually enter an IP address or a host name of Z-1 to connect. To do so, a USB keyboard needs to be connected to Z-1.



The screenshot shows a software interface with a top navigation bar containing four buttons: "Address", "Calls", "Recvs", and "Input". The "Input" button is highlighted in dark blue. Below the navigation bar, the main area has a light gray background. It contains the text "Type IP Address or Hostname to connect" above a white text input field with a blue cursor. Below the input field is a "Connect" button.

## 7-6. Setup

In the setup screen, the user can update minimum items required for Z-1's initial connection. To do so, a USB keyboard needs to be connected to Z-1.

### 7-6-1. Setting Mode Screen

The screenshot shows a configuration window with the following sections and options:

- [Basic Configuration]**
  - Network Mode:  Access Point,  Station,  Wired
- [TCP/IP Configuration]**
  - DHCP Client:  Enable,  Disable
  - IP Address: 192.168.0.10
  - Netmask: 255.255.255.0
  - Default Gateway: 0.0.0.0
  - DNS Server: 0.0.0.0
- [Wireless Configuration]**
  - SSID: SX01310A
  - Network Auth.:  Open,  WPA2-PSK
  - Pre-Shared Key: \*\*\*\*\*
- [NTP Configuration]**
  - NTP Client:  Enable,  Disable
  - Server: [Empty field]

Buttons at the bottom: Save and Restart, Cancel

Basic Configuration		
Item	Description	Value/Range
Network Mode	It changes the network operation mode.	Access Point Station Wired
TCP/IP		
Item	Description	Value/Range
DHCP Client	It enables/disables DHCP protocol.	Enable Disable
IP Address	It specifies the IP address.	
Netmask	It specifies the subnet mask.	
Default Gateway	It specifies the gateway address.	
DNS Server	It specifies the DNS server address.	
Wireless Configuration (When Network Mode is set to <b>Access Point</b> .)		
Item	Description	Value/Range
SSID	It specifies the SSID of the connecting wireless LAN.	

Network Auth.	It sets the authentication method for communication with wireless devices.	Open WPA2-PSK
Pre-Shared Key	It specifies the pre-shared key when the authentication method is WPA2-PSK.	
Wireless Configuration (When Network Mode is set to <b>Station</b> .)		
Item	Description	Value/Range
SSID	It specifies the SSID of the connecting wireless LAN.	
Network Auth.	It sets the authentication method for communication with wireless devices.	Open WPA2-PSK
Pre-Shared Key	It specifies the pre-shared key when the authentication method is WPA2-PSK.	
NTP Configuration		
Item	Description	Value/Range
NTP Client	It enables/disables NTP protocol.	Enable Disable
Server	It sets the host name or IP address of NTP server.	

**Save and Restart** button

Saves the updated items and restarts Z-1.

**Cancel** button

Discard the updated items and terminates the setting mode screen.

## 7-6-2. Setting Update in Setting Mode Screen

### 1. Click the Setup icon on the toolbar.



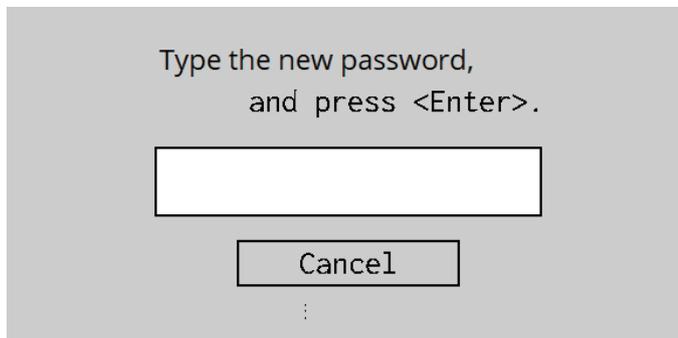
**TIP**

- When Z-1 meets one of the following conditions, the user authentication window will not appear since the initial setting has been accepted, and the setting items cannot be changed.
  - The wireless LAN 1 setting is disabled.
  - VLAN ID is not "1".
  - The network authentication method for "Access Point" or "Station" is set except for Open or WPA2-PSK.

**2.** The user authentication window appears.

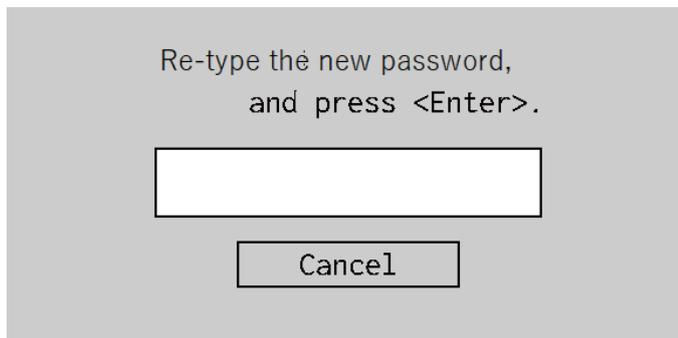
**When the administrator password is NOT set to Z-1**

(1) Enter the administrator password to configure for Z-1 and hit the Enter key.



If the Enter key is pressed without entering the password, the error message "**Should not empty**" is displayed.

(2) Enter the password that has been entered at (1) again.



When the passwords entered at (1) and (2) match, go on to the step 3.

When the passwords entered at (1) and (2) do NOT match, the error message "**Password not match**" is displayed. Go back to (1) and start the password registration again.

### When the administrator password is set to Z-1

Enter Z-1's administrator password in the input box, and hit the Enter key.

Type the password,  
and press <Enter>.

Cancel

IP: 192.168.0.10  
HOSTNAME: SX01310A  
SSID: SX01310A



#### Note

- When the display setting item "Connection information display" is enabled through the web page, the user authentication window shows the version, IP address, host name, and SSID of Z-1 at the bottom. SSID is displayed only when the network mode is Access Point mode.

### 3. The setting mode screen appears.

[Basic Configuration]  
Network Mode  Access Point  Station  Wired

[TCP/IP Configuration]  
DHCP Client  Enable  Disable  
IP Address   
Netmask   
Default Gateway   
DNS Server

[Wireless Configuration]  
SSID   
Network Auth.  Open  WPA2-PSK  
Pre-Shared Key

[NTP Configuration]  
NTP Client  Enable  Disable  
Server

Save and Restart Cancel

### 4. Use cursor control keys on the keyboard. Move the cursor to updating items, and enter values.

### 5. After updating items, move the cursor to [Save and Restart], and hit the Enter key.

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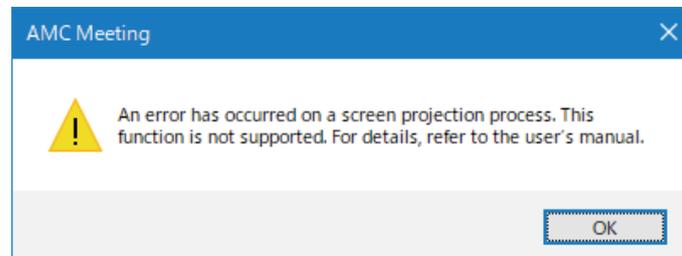
# 8. Error Message

---

## 8-1. Error Message

---

If Z-1 fails in mirroring of the screen sent by AMC Meeting, the following message will pop up.



### **Error:**

An error occurred in the Windows internal process. When AMC Meeting uses the external GPU (Graphics Processing Unit) to mirror the screen while it is operating on Windows 10 PC that includes embedded and external GPUs, an error occurs.

### **Solution:**

Windows 10 allows the user to select GPU per application under the graphic settings. Instead of the external GPU, using the embedded GPU can avoid the error. To access the graphic setting options, take these steps.

1. Click the Settings icon (Gear icon) on the **Start** menu.
2. The Windows settings screen appears. Click **System**.
3. The Display setting screen under System appears. Scroll down the screen and click **Graphic settings**.