

LiveViewer Pro

Presentation Application

User's Manual

For Mac

Ver. 1.1.0

Maxell, Ltd.

Note

- Before using this application, please update the network firmware of the projector to version 1.02.
- The contents of this manual are subject to change without notice, including product specifications. In addition, the manufacturer assumes no responsibility for any errors that may appear in this manual.
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1. Introduction

LiveViewer Pro software can transfer images and audio to the projector via wireless LAN or wired LAN.

<Corresponding Projector>

- MC-WU5506M
- MMX-FW501HM
- MMX-FU501HM

<Corresponding OS>

Mac OS X 10.8 or above

The following operating environment is recommended.

<Network>

- LAN : 100Base-T or greater
- WLAN : 11n(5GHz), 11ac

<Computer>

CPU : Intel core-i3 or higher
Memory: 4GB or higher

* This application does not guarantee the operation in all computers, OS, and network environments.

2. Preparation

(1) Install “LiveViewer Pro” to the computer.

The latest application software can be downloaded from website.

https://proj.maxell.co.jp/en/projector/download/software/liveviewer_pro/

(2) Connect the computer and the projector in same network.

To use this software, you need to connect the computer and the projector via a network. Please connect the network by one of the following.

(a) Wired LAN

Connect the PC to the network which the projector is connected by Wired LAN.

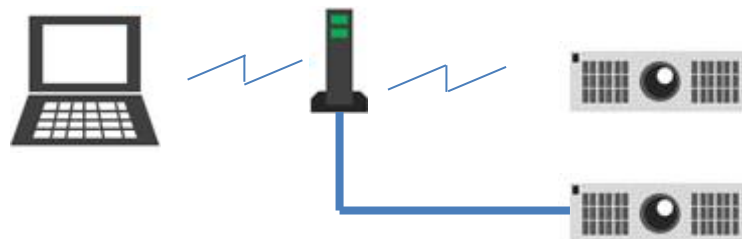
Network : 100Base-T or greater



(b) Wireless LAN (Infrastructure mode)

This is a connection method using access point. Connect the projector and the computer to the same access point. Refer to projector network guide for projector connection method.

WLAN : 11n(5GHz), 11ac



(c) Wireless LAN (simple access mode)

This is a way to connect the projector and the computer directly.

* For details on how to obtain connection information (SSID, Password) of the projector, refer to the projector network guide



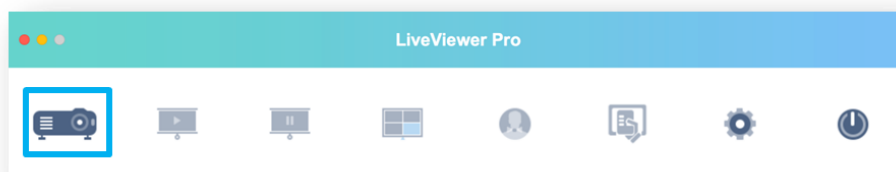
3. Basic Operation

The procedure until projecting the image from the projector is as follows.

Connect the computer and the projector in the same network beforehand.

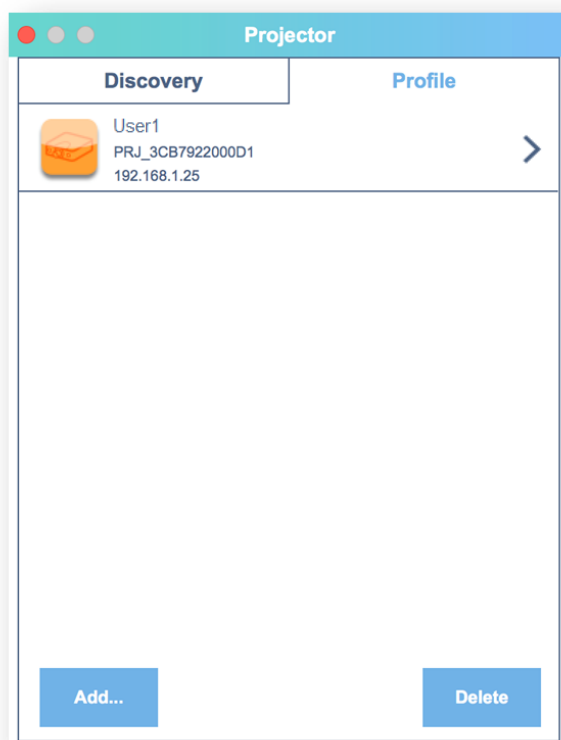
(1) Select projector

Select “Projector Selection” icon from main menu.

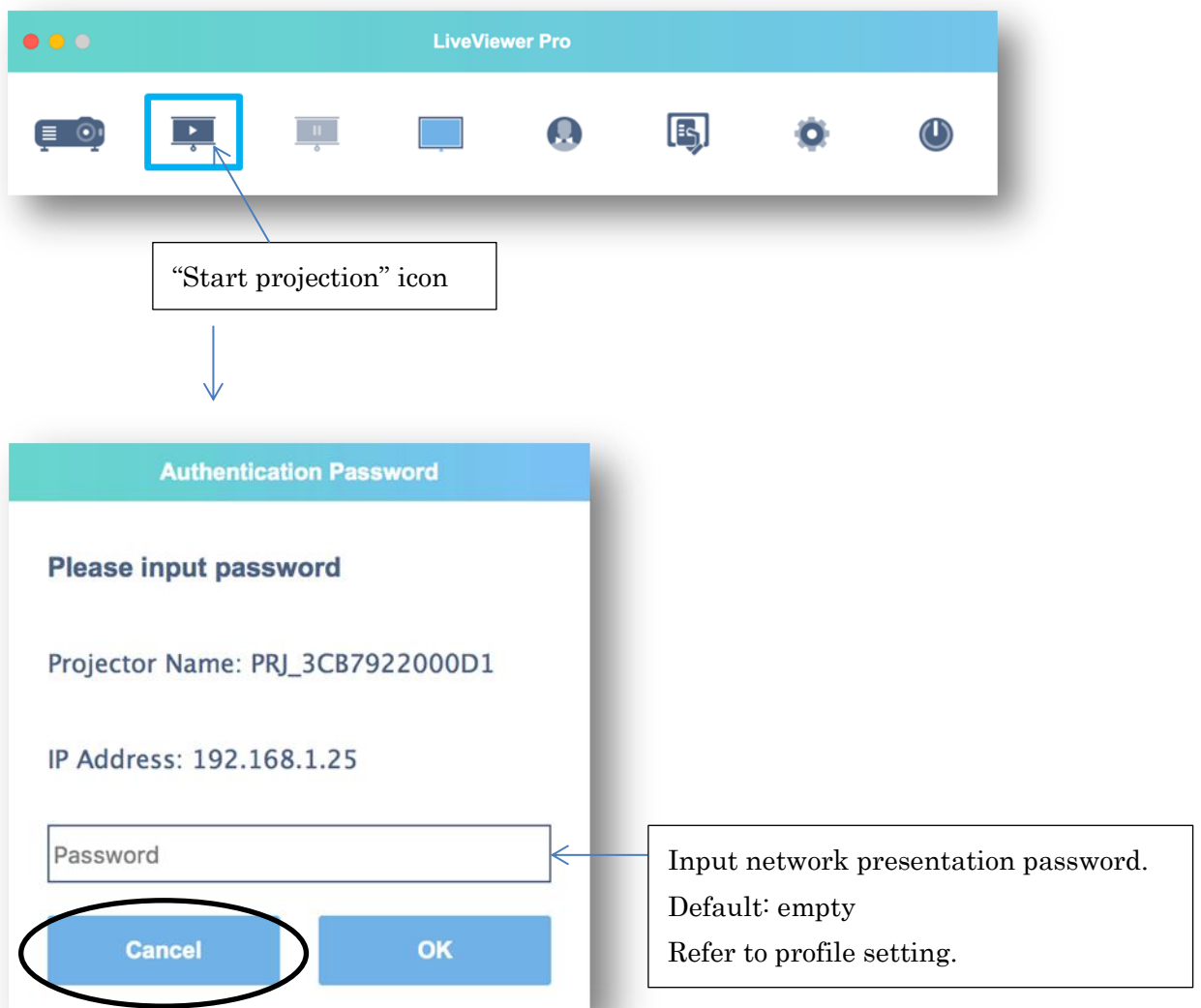


(2) Select the projector you want to transfer the image from the discovery list.

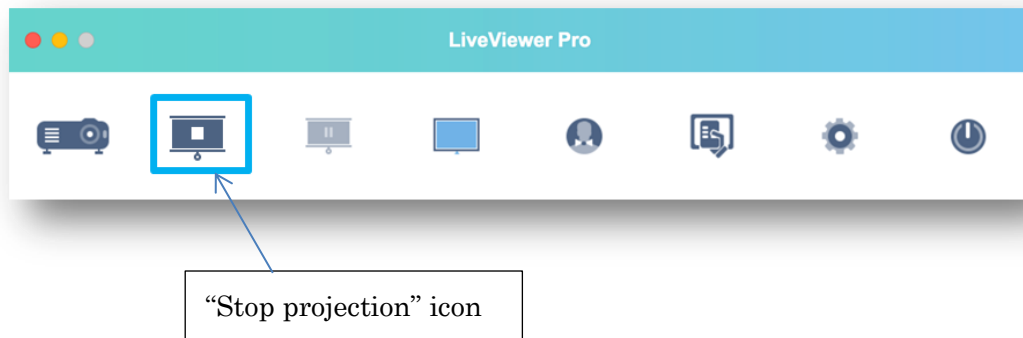
The connection will be completed if the color of the icon changes to blue.



- (3) If you select the "Start projection" button, the computer screen will be displayed from the projector.



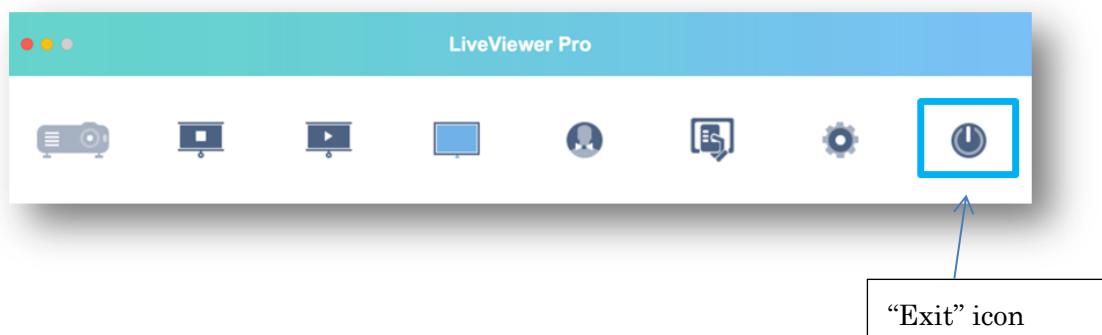
- (4) When you select the "Stop projection" button, the computer screen will not be displayed from the projector.



Note: While displaying the image from the projector, the "Start button" changes to a "Stop projection" icon.

- (5) Close Application

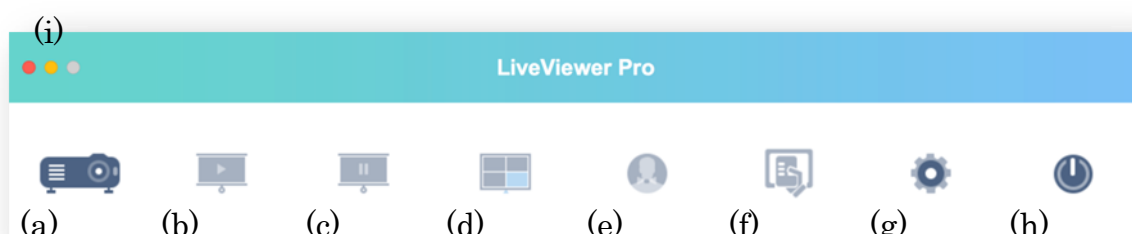
To close the application, press the "Exit" icon.



4. Feature Description

4.1 Main menu

You can operate and set various functions by selecting the icon of the main menu.

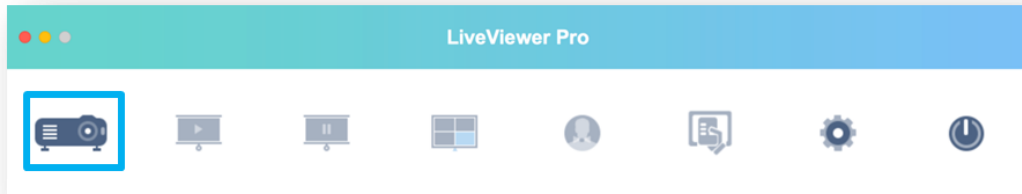


	ICON name	Description
(a)	Select Projector	Select the projector to shoot the image.
(b)	Start/Stop projection	Turn on / off the display of the projector.
(c)	Pause	Pause the display from the projector.
(d)	Display Mode	Switch the display mode (Full screen mode/ four-screen mode) of the projector. In the four-screen mode, you can set the display position on the projected image. (top left/ top right/ bottom left/ bottom right)
(e)	Moderator Mode	Operate moderator function.
(f)	Projector Control	Control the projector.
(g)	Option	Set the option.
(h)	Exit	Close this application.
(i)	Minimize	Minimize the window.

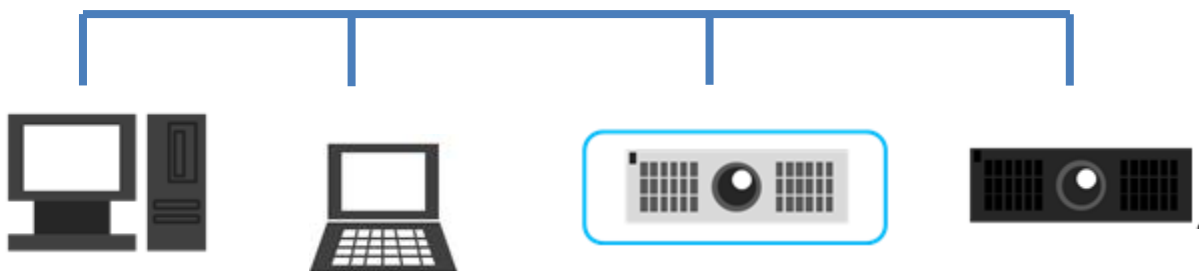
Grayed out icons are inexecutable.

4.2 Projector selection menu

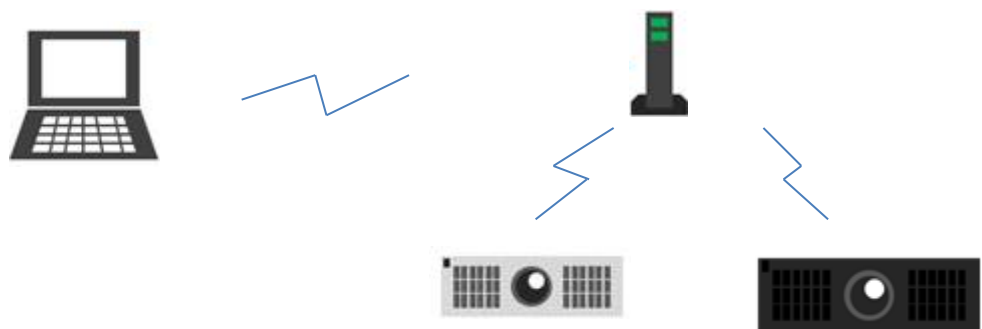
Select the projector by “projector selection” icon in the main menu. Also, you can select a projector from Discovery List or Profile List.



Select projector in the same network with the computer and transfer image/audio to the selected projector.



Wired LAN

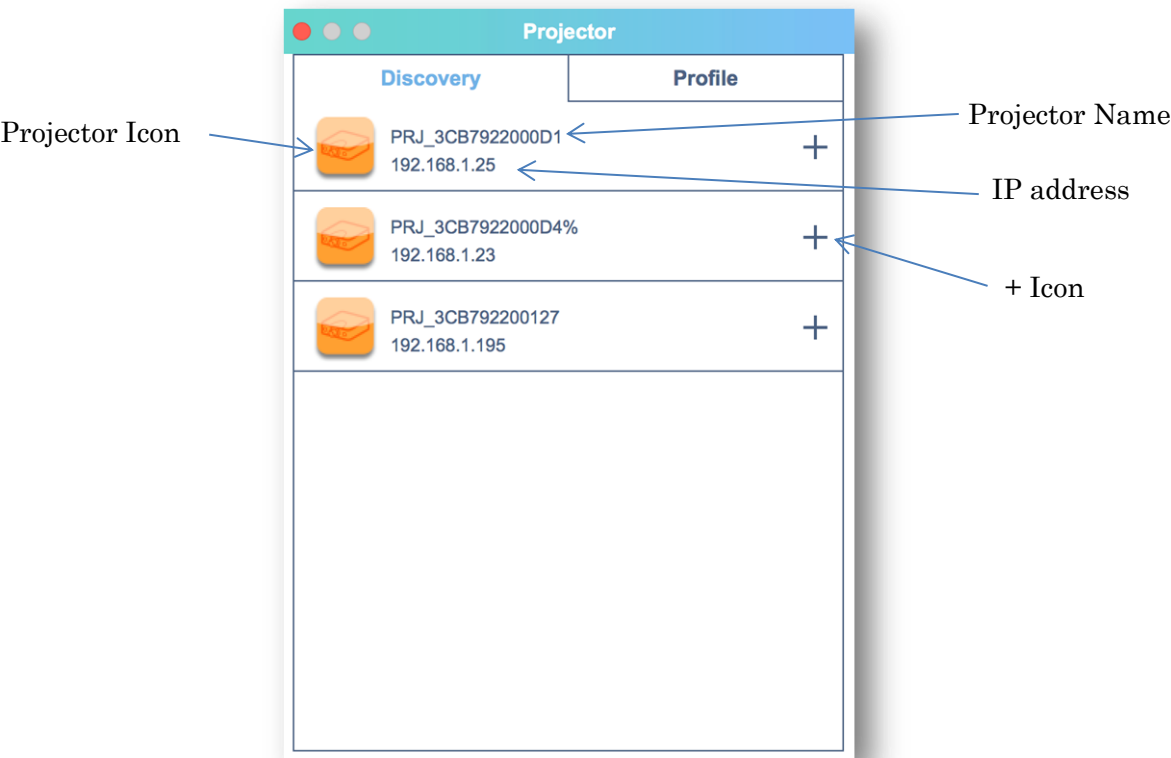


Wireless LAN



4.2.1 Discovery menu

The projectors in the network connected with the computer are listed.

You can select the projector to shoot by clicking the Projector icon. If you do not see the projector you want to connect in the Discovery List, check the network connection of the projector is proper.



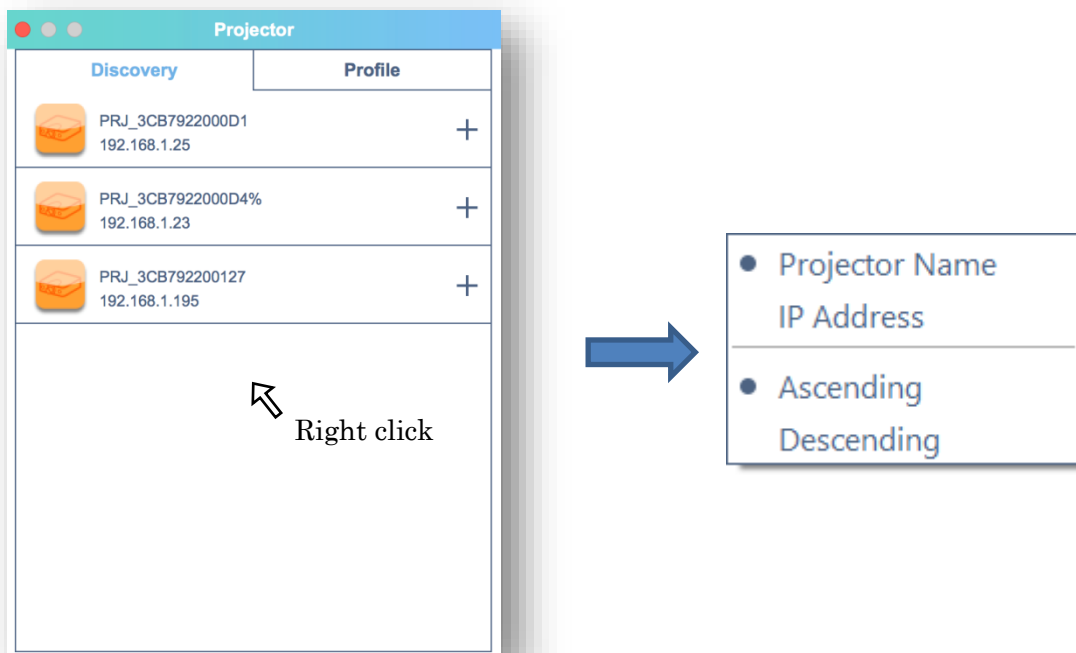
The color of projector icon shows the status.

Icon	Status
	Indicates that the projector is connected.
	Indicates that the projector is online.

(Convenient function)

(1) By clicking "+ icon", you can register the selected projector in the profile.

(2) Right-click on the window, you can sort the list of discovered projectors.

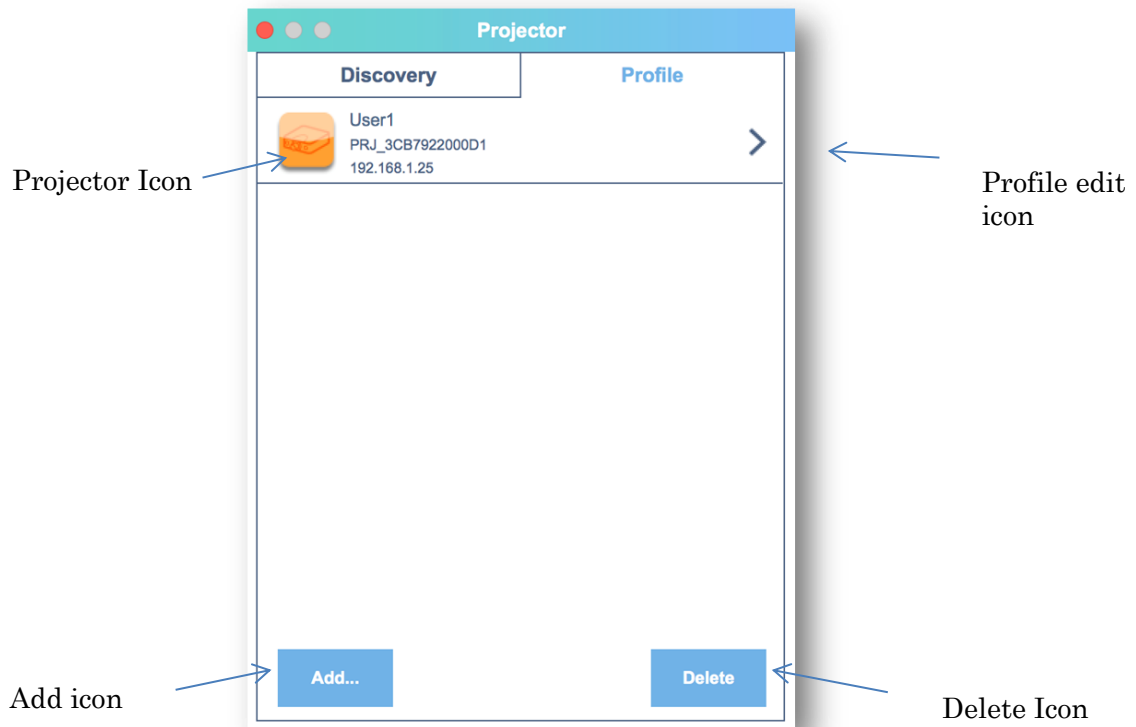


4.2.2 Profile menu




The registered projectors in this application are listed. You can register the projector connection settings in the profile.

If you use frequently used projector's "Profile", you can save time when connecting.

Up to 32 profiles can be registered.



(a) Projector Icon

Icon	Status
	Indicates that the projector is connected.
	Indicates that the projector is online.
	Indicates that the projector is offline.

(b) Profile edit icon

Edit the selected profile. Display "Edit Profile " screen.

(c) Add Icon

The "Create Profile" screen is displayed.

The image shows a 'Create Profile' dialog box with five input fields and two buttons. Blue arrows point from descriptive text boxes to each input field:

- Profile Name**: Enter the profile name. (*1)
- Projector Name**: Set the name of the projector to be connected.
- IP Address**: Set the IP address of the projector to be connected
- Network Presentation Password**: Enter the password of the network presentation (*2)
- Projector Control Password**: Set the password of the projector control. (*3)

At the bottom of the dialog are 'Cancel' and 'OK' buttons.

(* 1) If the same profile name has already been registered, it can not be registered.

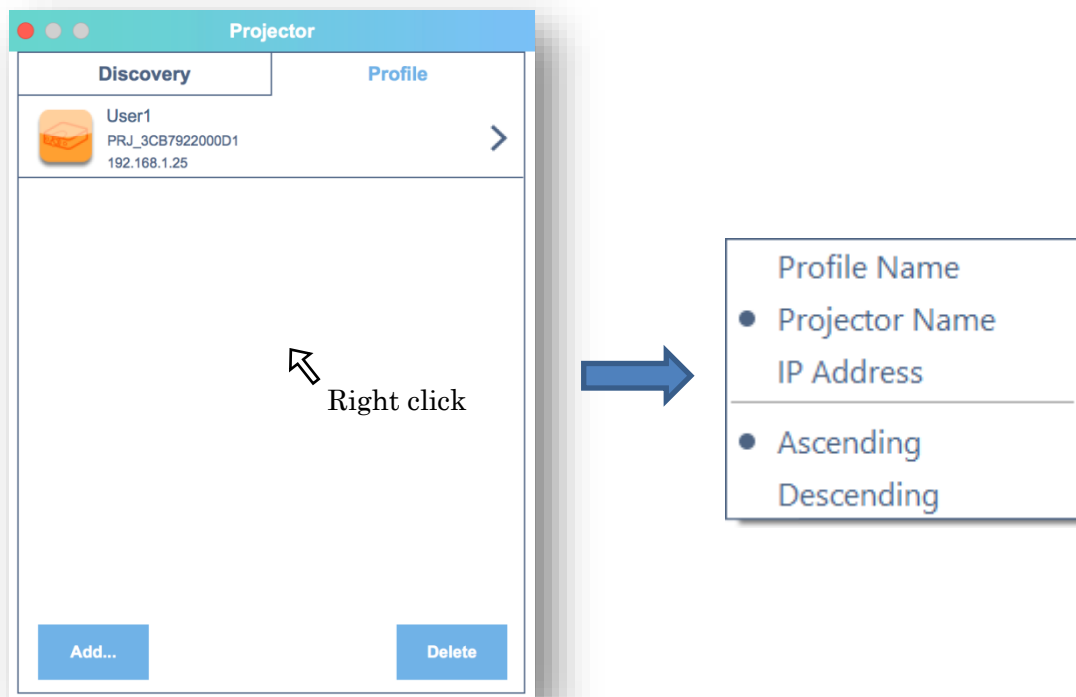
(* 2) By setting the Network Presentation Password, you can prevent connecting to the projector without permission by third party.

(*3) By setting the Projector Control Password, you can prevent controlling the projector without permission by third party.

(Convenient function)

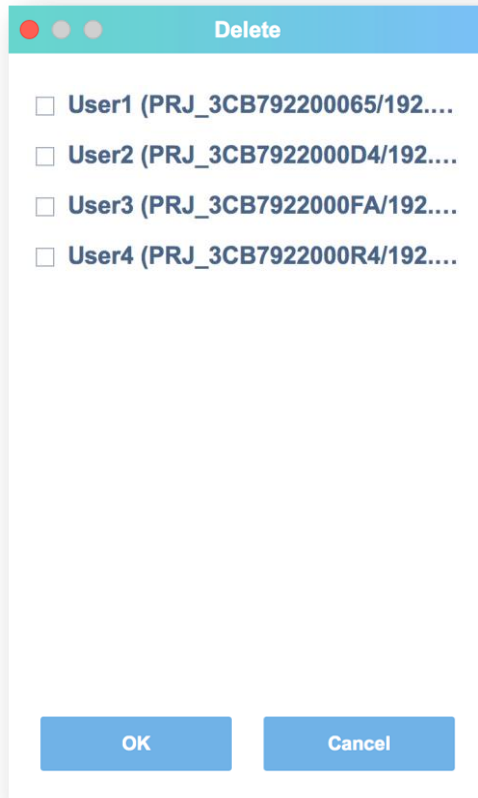
- Sort profile

By right-clicking on the profile list, you can sort the display order of the profile list.



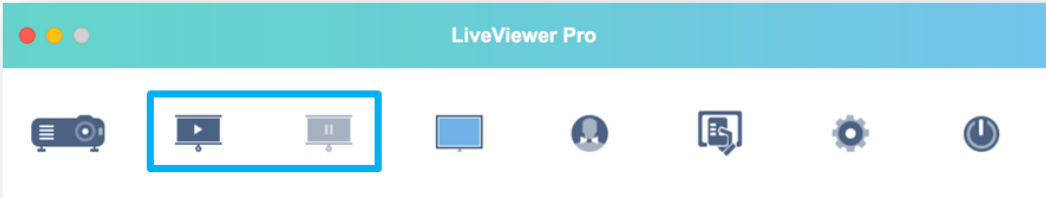
4.2.3 Delete Profile

If you select the delete icon, the registered profiles are listed. You can delete the profile by selecting the check box of it and pressing OK.






4.3 Projection control (play / stop / pause)

You can change the projection status by selecting the "Projection" button in the main menu.

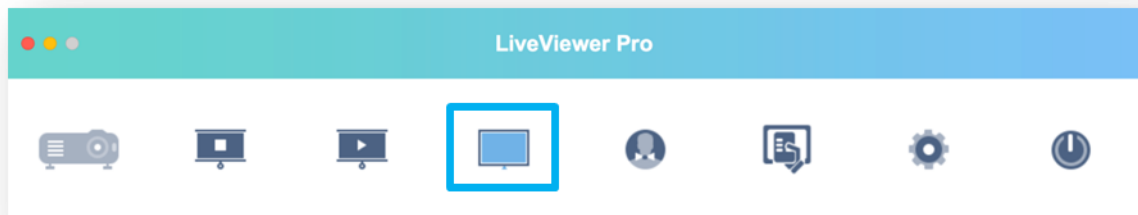


The operations of the "projection" icons are as follows.






Icon	Description
	Start shooting the image.
	Pause the shooting image.
	Stop shooting the image.

4.4 Display mode

By selecting the "Display Mode Selection" button, you can switch the projection between single screen mode and four-screen mode. In the four-screen mode, you can project information of up to 4 terminals using a single projector.



4.4.1 Display mode

Icon	Description
	Shoot the image in full screen.
	Divide the projected screen into four, then project the image to the upper left of the screen.
	Divide the projected screen into four, then project the image to the upper right of the screen.
	Divide the projected screen into four, then project the image to the lower left of the screen.
	Divide the projected screen into four, then project the image to the lower right of the screen.

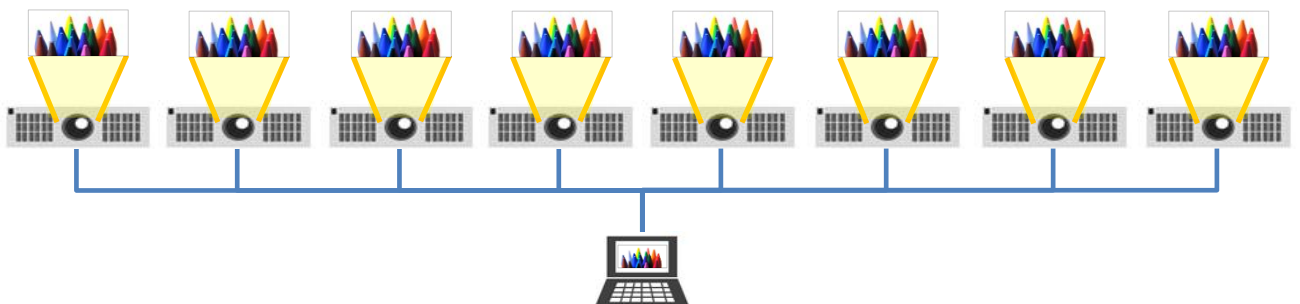
* Audio is not output at four-screen mode.

4.5 Multicast mode

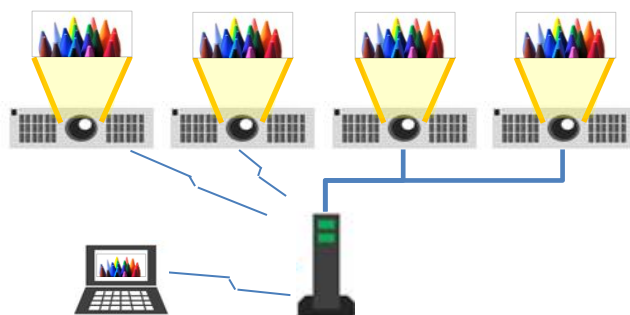
4.5.1 Multicast

You can transfer the contents of one computer to up to 8 projectors simultaneously connected in the same network.

Example 1



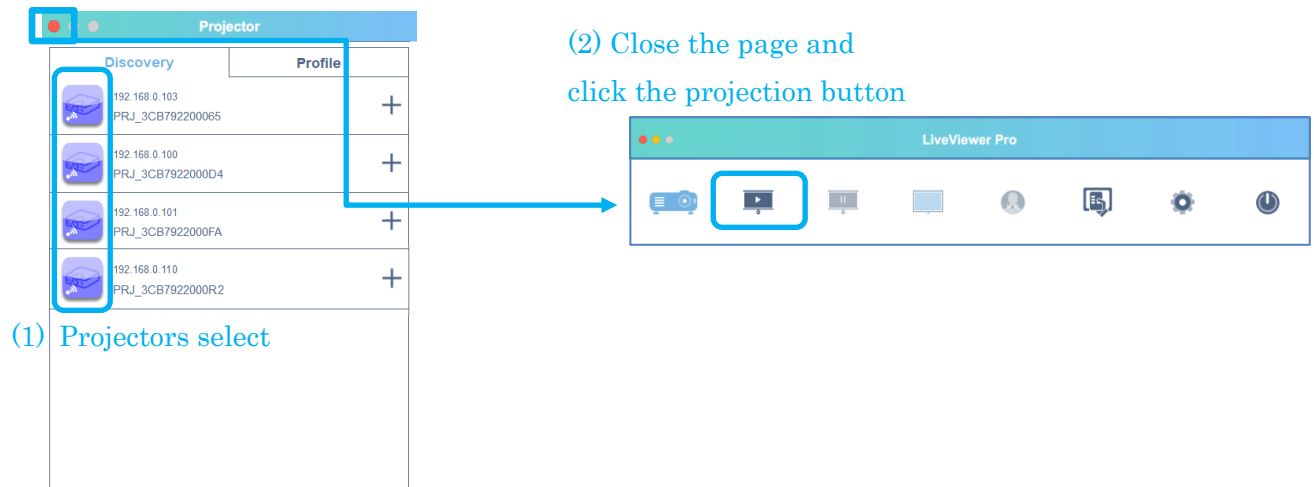
Example 2



NOTE

- Please connect via wired LAN when projecting to more than 5 projectors.

Refer to “2. Preparation” about connection method.



(1) Select multiple projectors from "DISCOVERY LIST" or "PROFILE LIST". Multicast mode is set when more than 2 projectors are selected.

(2) Press the projection button.

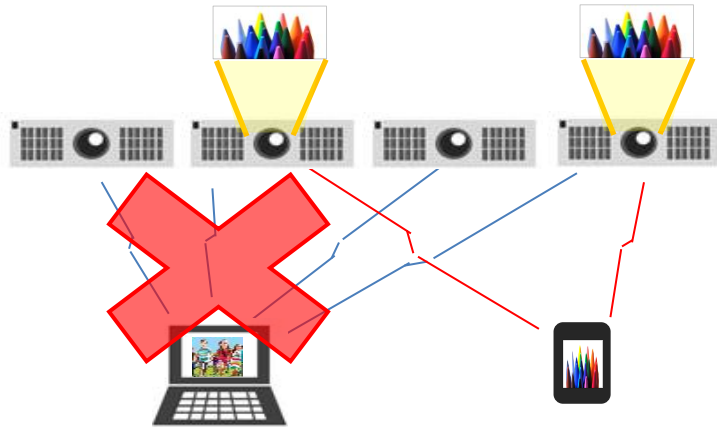
“Input Password” dialog is displayed when “Network Presentation Password” is set to the selected projectors.

If all the selected projectors are successfully authenticated, projection will be executed.

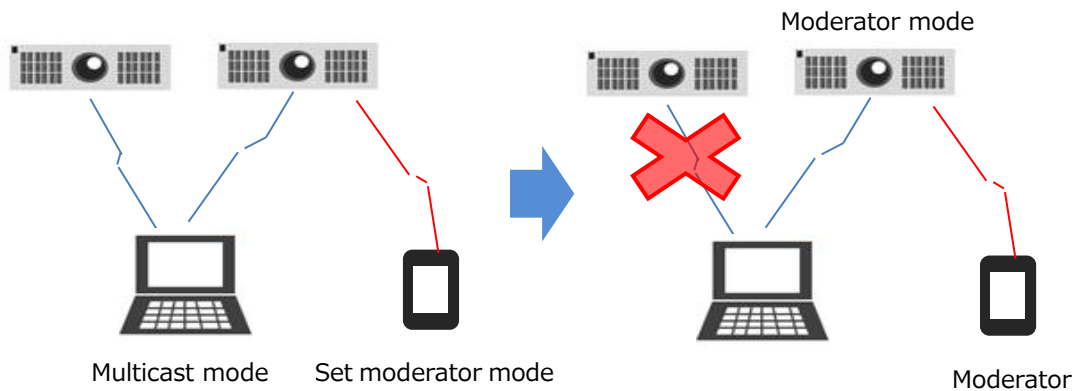
Refer to chapter “3. Basic Operation” about password.

4.5.2 Notes on Multicast mode

- This function cannot be used when the projector is already projecting multicast from another terminal. You can only connect to the projector.



- Multicast mode cannot be used during moderator mode.
- Multicast mode is canceled when projector at multicast mode is set to moderator mode.

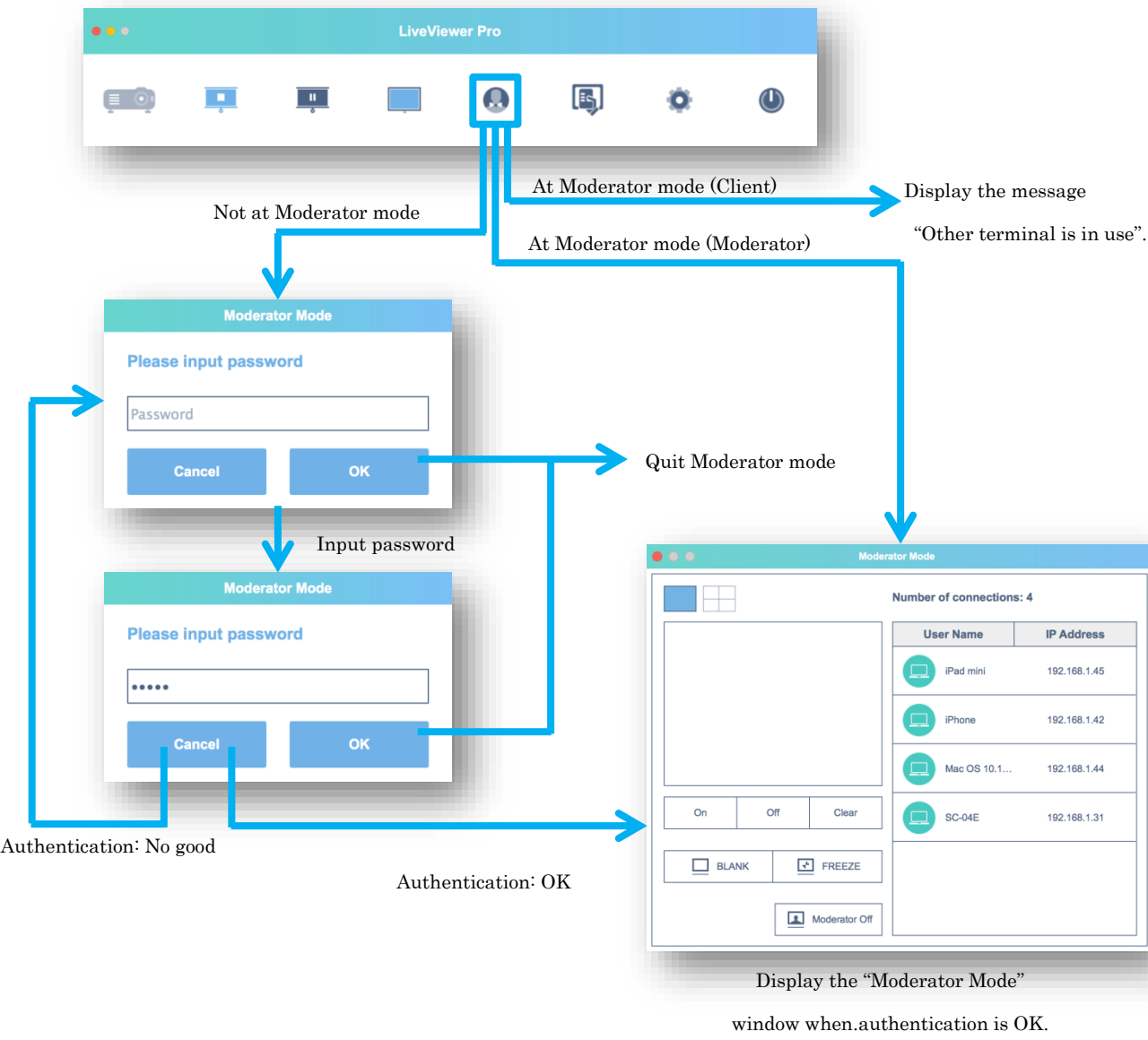


- You cannot set moderator mode during projecting multicast.

Refer to “4.6 Moderator mode” about moderator mode.

4.6 Moderator mode

4.6.1 Structure of moderator menu



4.6.2 Operation menu of moderator mode



(a) Display mode switching

Switch the display mode (full screen \Leftrightarrow 4 screens) of the projector.

(b) Display window

Specify the terminal to display by dragging and dropping from the user list (h).
Displays the user name and IP address of the specified terminal.

(c) Display control

Controls the display of the terminal selected in the display window.

ON: Displays the terminal selected in the display window on the projector

OFF: Hide the terminal selected in the display window on the projector

Clear: Delete all the terminals in the display window.

(d) Blank

Turn on / off control (toggle) on the projector blank.

(e) Still button

Turn on / off control (toggle) "on the screen projected by the projector.

(f) Moderator mode off button

Turn off moderator mode and return to the main screen.

(g) Number of connections display

Displays the number of terminals connected to the projector.

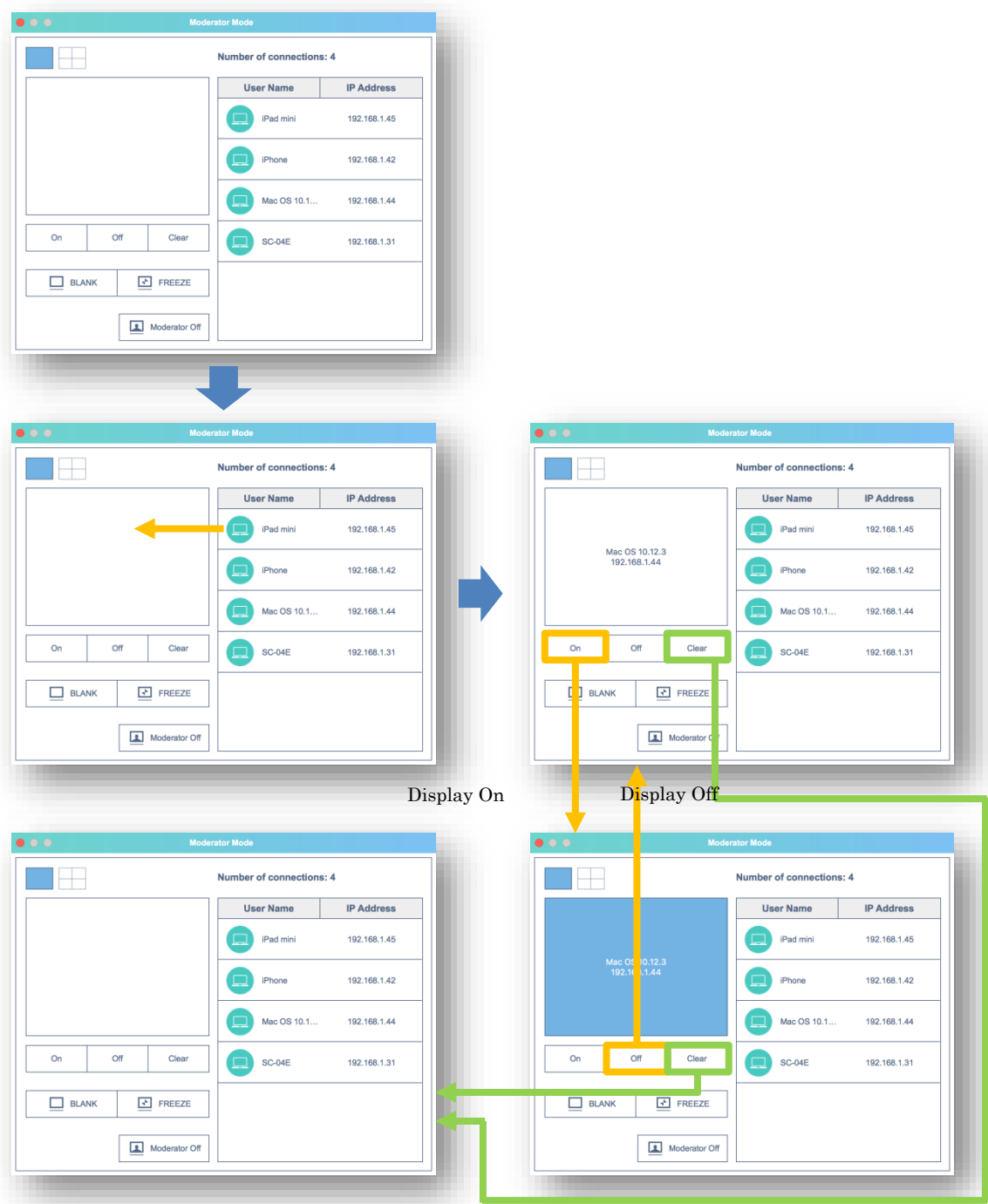
(h) User list

Lists the user name and IP address of the terminal connected to the projector.

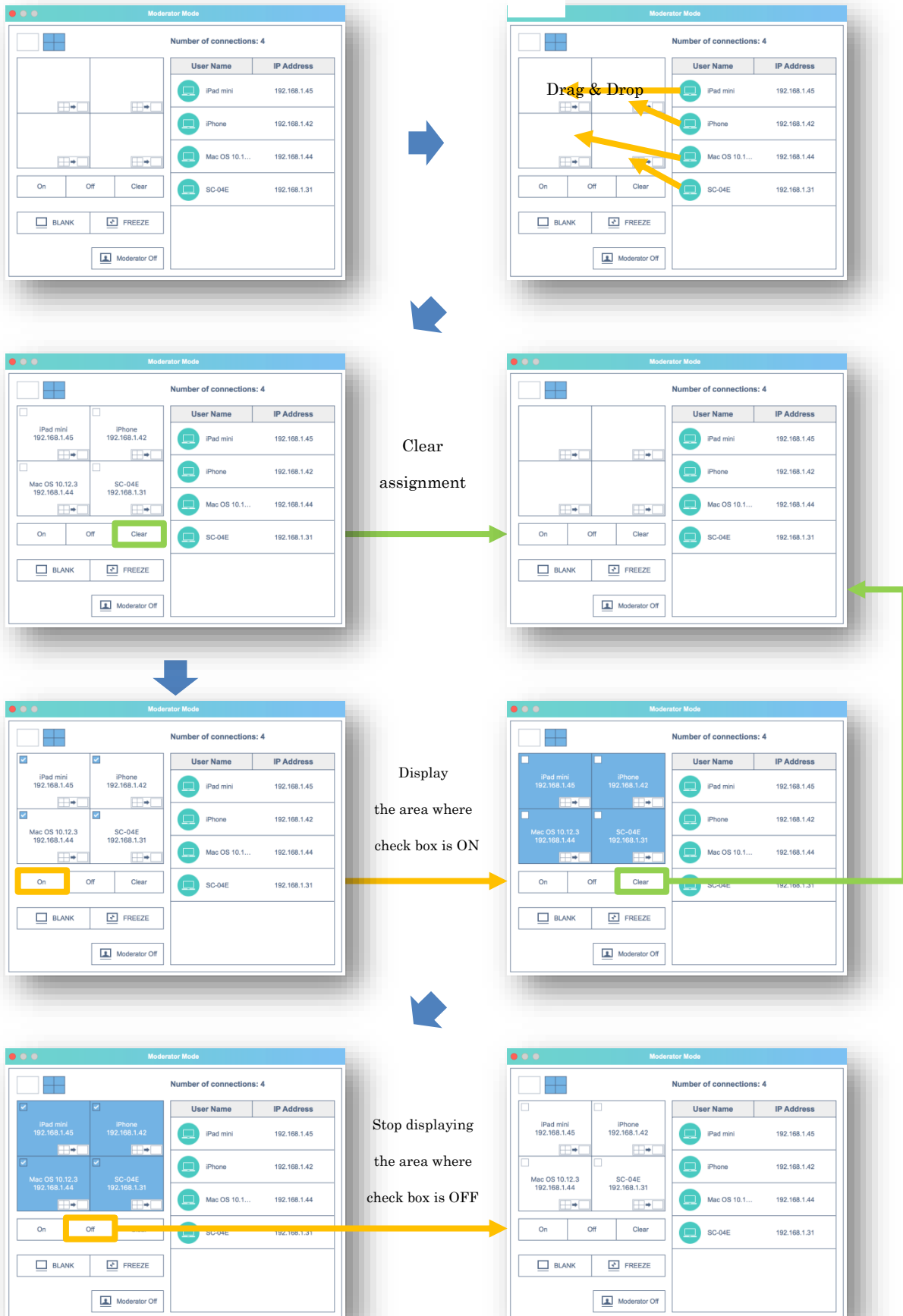
The list will sort the list (including switching between ascending / descending order)
by column click of user name and IP address.

4.6.3 Operation of moderator mode

<Full screen mode>



<Four - screen mode>



<Switch screen mode (Full ⇔ Four - screen)>

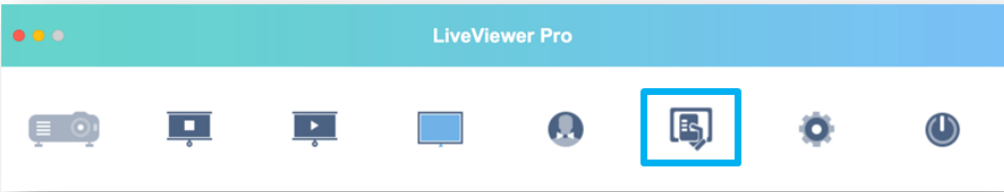


<Notes>

- If another terminal is a moderator, moderator setting is not possible.
- When the connected projector is set to moderator mode by another terminal, your device becomes the client terminal. When your device becomes a client terminal, the display is controlled by moderator device.
- If the moderator mode is set while the connected projector is shooting the image, turn off the picture.
- In moderator mode, Presenter mode setting is invalid.
- Even during moderator mode, projection from the client side is possible only when the moderator assigns the projection authorization to the client.
- When moderator mode is canceled, the message of cancellation is not displayed.
- Screen mirroring (Miracast) does not support the moderator mode of this application.

4.7 Projector control

You can use as a remote control of the projector.



4.7.1 Operation menu of projector control



(a) Projector selection menu

Select the projector to be controlled.

Multiple projectors can not be connected at the same time.

(b) POWER

It turns on and off the power of the projector.

(c) BLANK

It performs blank on and off control.

(d) FREEZE

It performs freeze on and off control.

(e) MUTE

Mute control on and off.

(f) VOLUME

Control the volume of the projector.

You can adjust the volume by operating the slider.

(g) Input channel (INPUT SOURCE)

Control the input switching of the projector.

(h) Label edit button (Edit Label)

Edit the label name of the input terminal.

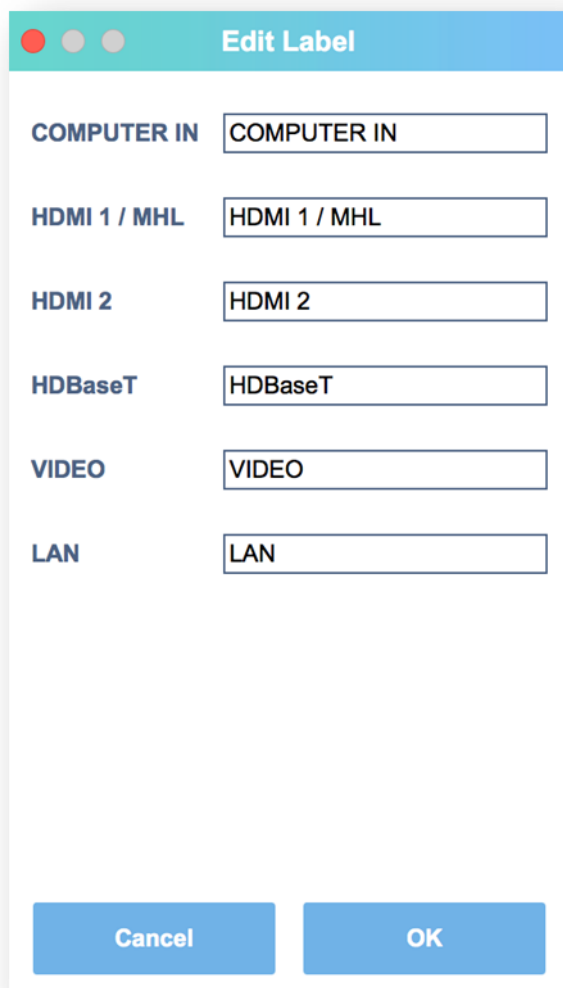
(i) Remote control key

Perform the same operation as projector remote control keys "↑, ↓, →, ←, ENTER, RESET, MENU".

4.7.2 Edit input terminal label

You can edit the name for the input terminal of the projector.

Up to 32 characters can be entered.



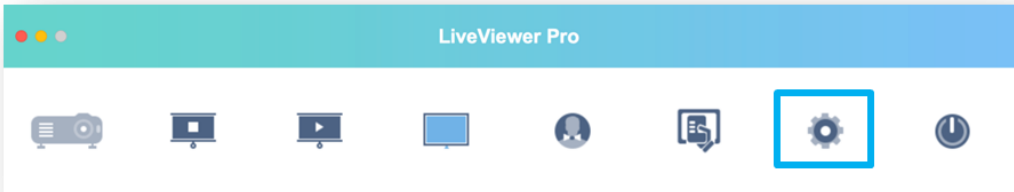
The image shows a software dialog box titled "Edit Label". It contains a list of input terminals on the left and corresponding text input fields on the right. The terminals listed are COMPUTER IN, HDMI 1 / MHL, HDMI 2, HDBaseT, VIDEO, and LAN. Each terminal has a text box next to it, all of which currently contain the same text as the terminal name. At the bottom of the dialog are two buttons: "Cancel" and "OK".

Input Terminal	Label
COMPUTER IN	COMPUTER IN
HDMI 1 / MHL	HDMI 1 / MHL
HDMI 2	HDMI 2
HDBaseT	HDBaseT
VIDEO	VIDEO
LAN	LAN

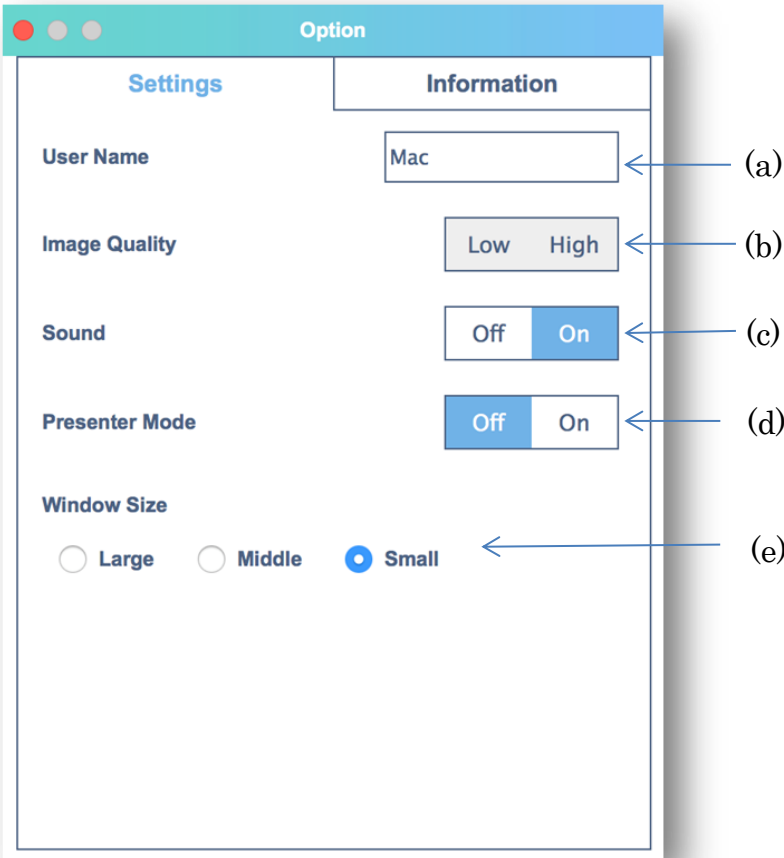
Buttons: Cancel, OK

4.8 Option

From the option menu, you can select the image quality of the projected image, set the presence or absence of audio output, and check the version information of LiveViewer Pro.



4.8.1 Settings menu



(a) User Name

You can set the user name.

The user name you set will be displayed on the moderator mode operation screen.

(b) Image Quality setting

You can select the image quality of the image projected from the projector.

Use it according to the network environment.

(c) Sound

You can select "On" or "Off" for audio transfer.

Note audio cannot be transferred in four-screen mode even if audio transfer is turned on.

(d) Presenter Mode

This function prevents transferring the picture to the projector from interrupted other device during the presentation. By setting presenter mode on, you can do presentation with confidence.

(e) Window Size

You can set the size of the main menu in three levels. (Large, Middle, and Small)

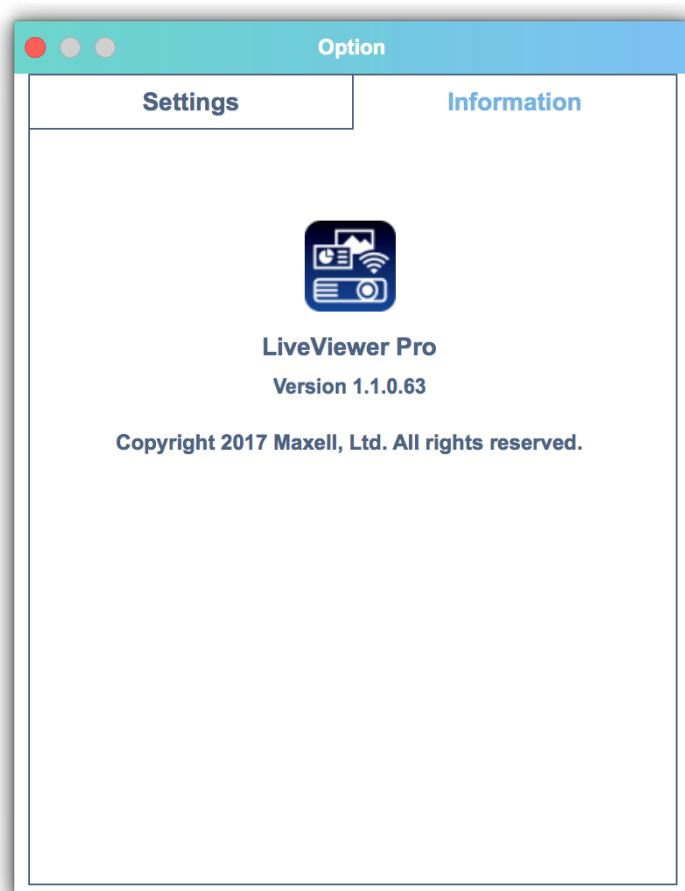
4.8.2 Information

You can find the version of LiveViewer Pro.

The latest application software can be downloaded from website. Depending on the OS and application version, it may not be able to project properly. Use the latest version.

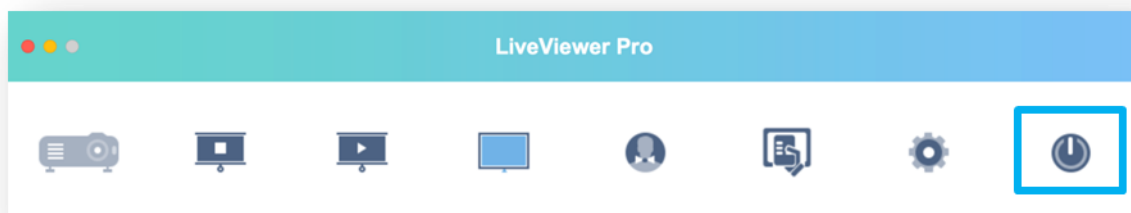
<Website>

https://proj.maxell.co.jp/en/projector/download/software/liveviewer_pro/



4.9 Close application

To close this application, select the "Finish" icon.



When clicked, the following message will be displayed.
Select "Yes" to quit the application.

