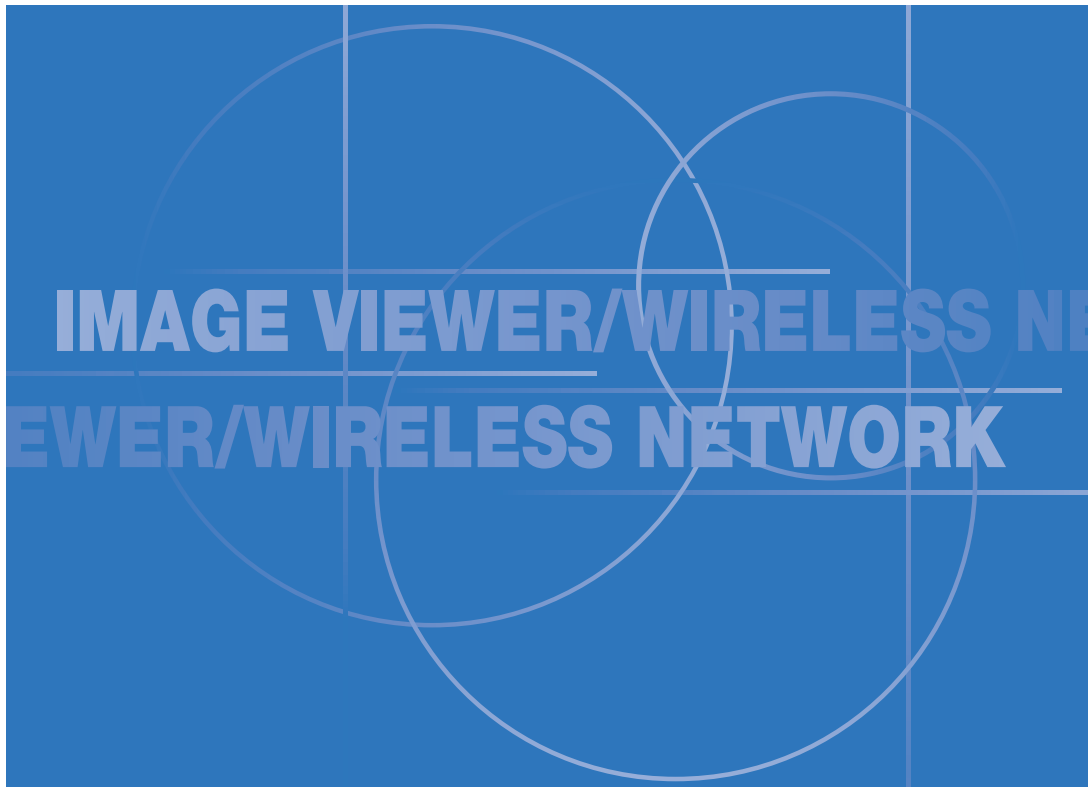


KG-PS125X User's Manual

Image Viewer / Wireless Network



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Introduction

The Image Viewer / Wireless Network section describes the image viewer function and wireless network function of the KG-PS125X projector. Refer to the Projector section of the User's Manual for other information about the projector.

The following functions are included in this section:

Image Viewer Function

This function allows a presentation to be given with the stand-alone projector even when a personal computer (PC) is not available at that time, by storing image data in SD memory cards and in USB flash memory drives.

Wireless Network Presentation Function

Using wireless LAN technology, this function allows the screen of a document that is open on the PC to be transferred to the projector as is without the use of cable, permitting the presentation to be given.

● Remote Control

The description of projector operations will be based on operations using the remote control. A portion of the Image Viewer and Wireless Network functions cannot be controlled with the projector buttons.

Please ensure that the remote control is not misplaced.

● Projector Buttons

- Only the SELECT (▲▼) buttons and the ENTER (⊙) button of the projector can be used when using the Image Viewer and Wireless Network functions.
- The following operations cannot be performed with the projector buttons when using the Image Viewer and Wireless Network functions. Use the remote control to perform these operations.
 - (1) Changes of network settings
 - (2) Keystone adjustment

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Precautions in the Use of Wireless LAN Cards

■ Security Issues when using wireless LAN cards

Wireless LANs use radio waves instead of LAN cable to exchange information between a PC and a wireless access point, thereby providing the benefit of unhindered LAN connections within the range of the (wireless LAN) radio waves.

On the other hand, radio waves propagate everywhere beyond obstacles (such as walls) within a certain range, giving rise to risks such as those described below when security settings have not been made.

• Unauthorized viewing of your data by third parties

It is possible that an ill-willed third party could deliberately intercept the radio waves of the wireless LAN and view personal information such as your ID, password, credit card number, and email message content.

• Intrusion

Ill-willed third parties could gain unauthorized access to your personal network or company intranet and take your personal information or secret information (i.e., an information leak), send false information under the guise of a particular individual (i.e., identity theft), alter the content of intercepted messages (i.e., falsification), introduce computer viruses to destroy your data and/or network system (i.e., data destruction), and commit other malicious acts.

Wireless LAN cards and wireless access points are typically provided with security provisions against these problems which reduces the likeliness of such problems developing, provided that the security settings of the wireless LAN product have been performed.

Keeping in mind the problems that can arise when security settings have not been performed, it is recommended that you use the product having made the security settings with your own discretion and responsibility.

■ Frequency-related Precautions

The frequency band used by this product is the same as that used for microwave ovens and other industrial, scientific, and medical equipment. It also coincides with frequencies used for local radio stations (that require a license) and special low power radio stations (that do not require a license), both of which are used for mobile identification purposes on factory production lines.

1. Before starting to use this equipment, make sure that there are no local radio stations or special low power radio stations for mobile identification operating in the vicinity.
2. In the event of any radio frequency interference between this equipment and a local radio station used for mobile identification, promptly change the operating frequency of the equipment, or stop the radio wave emission and contact us at the telephone number listed below so that we may suggest measures to avoid radio interference (such as the installation of partitions, and other methods).
3. For protections of the equipment from radio interference with a special small power radio station for mobile identification as well as any further information on this matter, please contact our authorized distributor in your location where you have bought it.

■ Precautions in the Use of Wireless LAN Cards

A radio station license is not required for using a wireless LAN card; however, the card should be used in conjunction with a solid understanding of the following matters:

● Do not use in the vicinity of other wireless equipment.

The equipment mentioned below might use the same radio wave band as the wireless LAN card. Using a wireless LAN card in the vicinity of such equipment may result in a loss of data communication due to radio interference, or a decrease in communication speed.

- Microwave ovens
- Industrial, scientific, and medical equipment
- Local radio stations used for mobile identification in factory production lines
- Special low power radio stations

● Try to avoid using cellular phones, TV, and radio in the vicinity of wireless LAN cards.

Cellular phones, TV, radio, and other equipment use a different radio wave band than wireless LAN cards and as such there will not be an adverse effect on wireless LAN card communications, or the sending and receiving operation of such equipment; however, the radio waves from the wireless LAN card may cause noise to appear on the audio or video.

● The radio waves of wireless LAN cards are blocked by reinforced concrete, metal, and concrete block.

Radio waves will pass through walls and floors made of wood, and glass (with the exception of glass having an embedded metal mesh) to permit communication; however, they will not pass through walls and floors made of reinforced concrete, metal, and concrete block.

● Applications

This SD wireless LAN card is designed as a product for general office, home, or hobby applications and should not be used in applications that demand higher reliability than general equipment, or in applications that demand extremely high degrees of safety such as medical equipment.

● Usage precautions

- (1) In the rare event that this SD wireless LAN card produces abnormal heating, smoke or foul odor, be certain to remove it from the PC or other equipment. Do not use it in this condition.
- (2) Never make any electrical or mechanical modifications (e.g., improvements) to the SD wireless LAN card.
- (3) Be careful not to drop this SD wireless LAN card or subject it to strong shock.
- (4) Handle this SD wireless LAN card with care so as not to subject it to excessive stress such as bending, etc.

● Do not leave the SD wireless LAN card within reach of infants.

There is the risk of the infant accidentally swallowing the card.

If you suspect that the card has been swallowed, contact a doctor immediately for advice.

● Permitted channels

The 2.4 GHz band is used and depending on the country or region, the channels (i.e., the subdivided actual frequency range) on which the card can be used will differ. Please check the permitted channels according to the country and region in the table below for the combination of this product and the included SD wireless LAN card (IEEE 802.11b/g). Check with your store of purchase for channels permitted in other countries.

Country or Region	Permitted Channels
Japan	1 to 11
U.S.A.	1 to 11
Canada	1 to 11
Taiwan	1 to 11
UK, Spain, Germany, Italy, Austria, Switzerland, Belgium, Sweden, the Netherlands, Portugal, Denmark, France, Finland, Greece, and Norway	1 to 11

Initial Preparation

The following preparation is required for using the Image Viewer and Wireless Network functions:

To use the Image Viewer function

Using an SD memory card

Recording media	A commercially-available SD memory card that is compliant with the SD memory card standard (See Page 18 for details.)
Personal computer side	An SD card slot or PC card slot (which requires an SD card adapter) is required. (When the PC is not equipped with a card slot, please use a commercially-available USB card writer/reader.)

Using USB flash memory

Recording media	Commercially-available USB flash memory devices compliant with the USB 1.1 standard
Personal computer side	A USB port compliant with the USB 1.1 standard is required.

To use the Network Presentation function

Projector side	SD wireless LAN card supplied with the projector (Used exclusively with this projector)
Personal computer side (Hardware)	An IEEE 802.11b/g compliant wireless LAN card (or a PC with a built-in wireless LAN) is required for independently transferring images with the projector (i.e., ad hoc communications). When a PC connected to a wired LAN is used to send images to the projector (i.e., infrastructure communications), a wireless access point is necessary. (Please ask the LAN administrator.)
Personal computer side (Software)	Install the TAXAN Wireless Presenter which is included with the projector. · See Page 7 for the installation method. A Web browser (Internet Explorer 6.0 or later version) is required for using the network settings change function.

NOTE

The PC-side wireless LAN and access point that can be connected with the SD wireless LAN card of the projector should be products that are compliant with Wi-Fi. (Wi-Fi: The Wi-Fi Alliance which promotes and certifies the interoperability of wireless LANs.)

Software Installation and Setup

Installation of the supplied TAXAN Wireless Presenter is required to transfer images by wireless from a PC to the projector using the wireless LAN function for making presentations. When not using this function (i.e., using only the Image Viewer function), there is no need to install it.

System Requirements

The PC must satisfy the following system requirements to operate the supplied software.

Operating environment of PC application	OS: Windows XP Home Edition / Professional, and Windows 2000 Professional with Service Pack 4 CPU: Pentium III, 600 MHz or higher Memory size: 128 MB or larger (for Windows 2000) 256 MB or larger (for Windows XP) Graphics interface: DirectX 7.0 or higher Video RAM: 8 MB required (16 MB recommended) HDD: 10 MB CD-ROM drive Web browser: Internet Explorer 6.0 or later version
Network environment	Wireless LAN (IEEE 802.11b/g) (Ad-hoc mode and Infrastructure mode)
Supported protocols	TCP/IP, DHCP client, and HTTP server
Control software	Dedicated PC application and Web browser
Security	WEP (64/128 bit), and SSID
File format	JPEG, PNG, and BMP
Wireless network card	C-guys SD-Link 11g
Peripheral devices	CD-ROM drive (required for installation of supplied software)

NOTE

There will be no guarantee of operation when used under conditions other than the aforementioned operating environment, and when used with a home built PC.

Software to be installed on the PC

- TAXAN Wireless Presenter
PC image wireless transfer utility

CAUTION

- TAXAN Wireless Presenter is (free) additional software. Note that you can use only this version for an unlimited time, and that there will not be any warranty.

Software License Agreement

<<Read this license agreement carefully before you begin to install the associated software.>>

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Installation of TAXAN Wireless Presenter

• Explanations are based on Windows XP operations.

● Before beginning installation:

1. Does your PC satisfy the system requirements? See Page 7.
2. Close all other applications that are running.

NOTE

INDEX Screen-

TAXAN Wireless Presenter is for use exclusively with Windows 2000 and Windows XP. It does not support Macintosh operating systems. When the INDEX screen (PDF) is opened with a Macintosh system, only the Image Viewer and Wireless Network section User's Manual can be viewed. (There will be no "Software Installation" button.)

1. Open the installer.

- Open the installer from the CD-ROM of the User's Manual Image Viewer and Wireless Network section.

- ① Insert the CD-ROM of the KG-PS125X User's Manual Image Viewer and Wireless Network section into the CD-ROM drive. The "index" screen will open automatically.
- ② Click the "Software Installation" button of the Index screen. The Installer screen will open. Leave the Installer screen as it is and click on Exit to close.

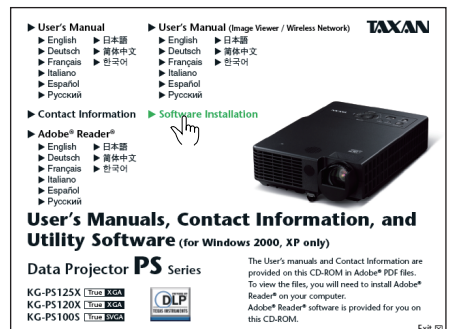
* When the Index screen does not open automatically

- ① Insert the CD-ROM of the KG-PS125X User's Manual Image Viewer and Wireless Network section into the CD-ROM drive.
 - ② Double clicking CD-ROM "START" will open the Index screen. Perform operation ② above.
- * When using Windows Explorer, select the CD-ROM drive, and double click "Setup.exe" in the Software folder to open the Installer screen.

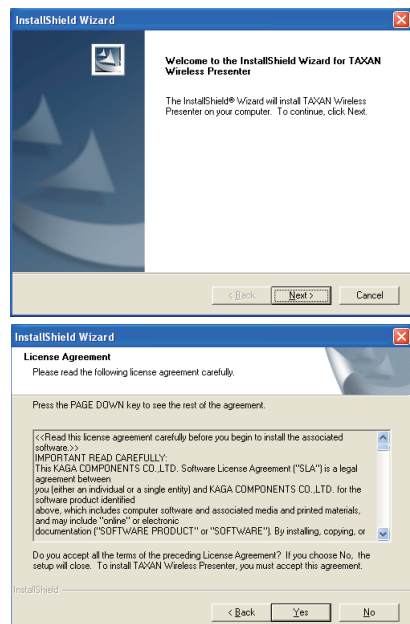
2. Install the program following the InstallShield Wizard instructions.

Clicking [Next] will display the Software License Agreement. Please read the Agreement carefully.

To give your consent, click [Yes].



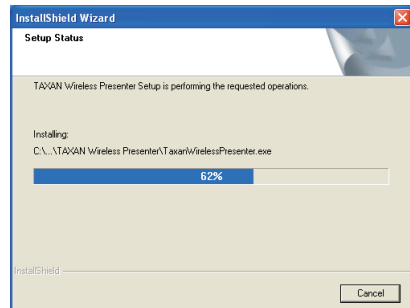
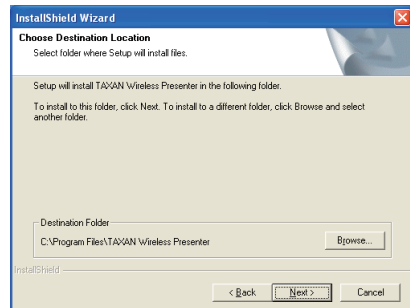
Exit



3. The software will be installed in the specified folder in the Program Files folder.

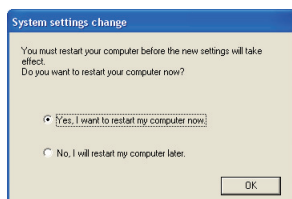
To install to a different directory, click Browse at this screen and specify the installation destination.

* The following message may be displayed, depending on the environment of your PC.
When displayed, click [Continue Anyway].

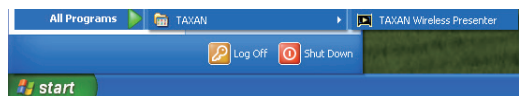


4. Installation of TAXAN Wireless Presenter is completed.

* A restart verification screen may be displayed, depending on the environment of your PC.
When displayed, follow the instructions on the screen and restart the PC.



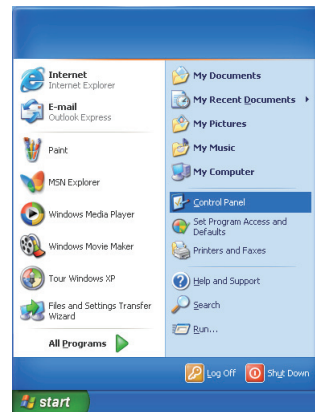
5. From the [Start] menu, check that [TAXAN Wireless Presenter] has been installed under [All Programs] and [TAXAN].



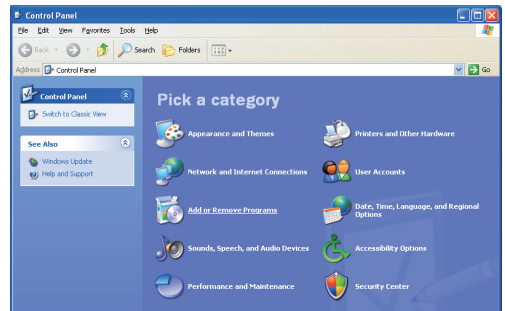
Uninstallation of TAXAN Wireless Presenter

- Explanations are based on Windows XP operations.

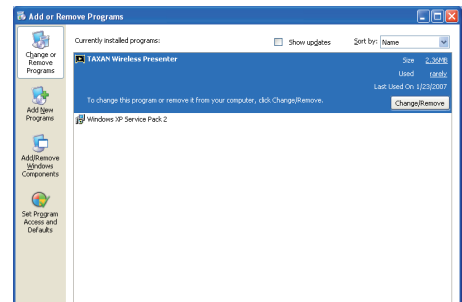
1. Open [Control Panel] from the [Start] menu.



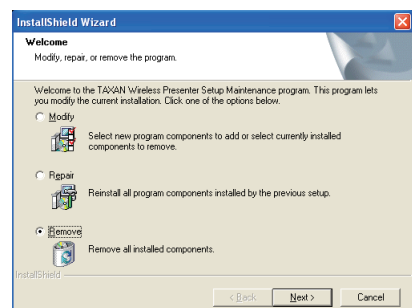
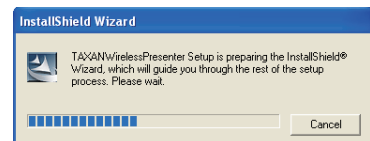
2. Click [Add or Remove Programs] to open.



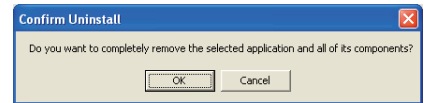
3. Select [TAXAN Wireless Presenter] and click the [Change/Remove] button.



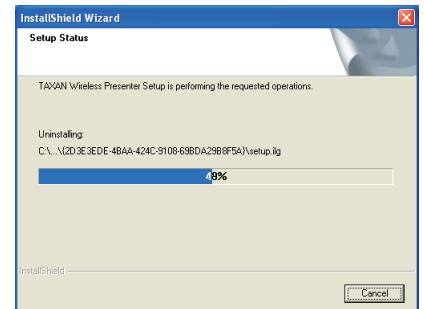
4. The [Change/Remove programs] screen will be displayed. Select [Remove] and click [Next].



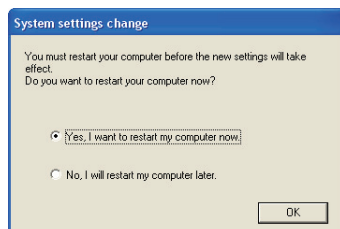
5. [Confirm Uninstall] will be displayed. Click the [OK] button.



6. Uninstallation of TAXAN Wireless Presenter will start and the program will be uninstalled.



* A restart verification screen may be displayed, depending on the environment of your PC. When displayed, follow the instructions on the screen and restart the PC.



This completes the uninstallation of the program.

Insertion of SD Cards and USB Flash Memory Devices Memory

The SD card slot of the projector is used for the insertion of SD wireless LAN cards or SD memory cards and permits the use of one function of either the Image Viewer or wireless network functions.

SD memory card A commercially-available card which is used to record slides (or presentation documents) when using the Image Viewer function.

SD wireless LAN card A wireless device (supplied with the projector and used exclusively with the projector) that is used when the wireless network function is used.

CAUTION

- Be sure to turn off the projector power before inserting or removing an SD wireless LAN card.
- Only use the SD wireless LAN card that was supplied with the projector; do not insert any other wireless LAN card.
- When moving the projector and when storing it in a storage case, be sure to remove the SD wireless LAN card and the USB flash memory device.
- Orientation for insertion of SD cards and USB flash memory devices

There is a determined orientation for the insertion of the cards. The card slots are designed to prevent card insertion when there is an attempt to insert cards in reverse; however, forced insertion of the cards will cause damage to the projector. Card insertion orientation can be checked with the manual for the cards, if available.

Insertion and Removal of SD Cards

● Insertion of SD Cards

SD Wireless LAN Cards

1. Turn off the projector power.
2. Holding the card with its front facing upward, gently insert it as far as it will go.

When fully inserted, there will be a click sound and the card will be locked.

SD Memory Cards

1. Holding the card with its front facing upward, gently insert it as far as it will go.

When inserted fully, there will be a click sound and the card will be locked.

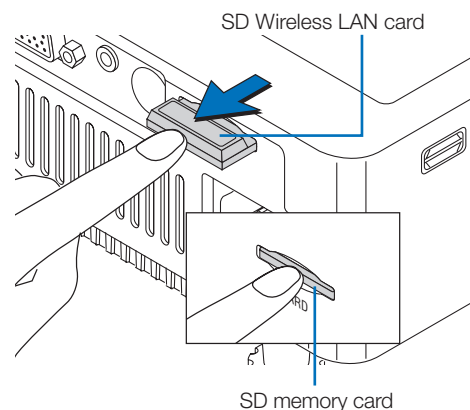
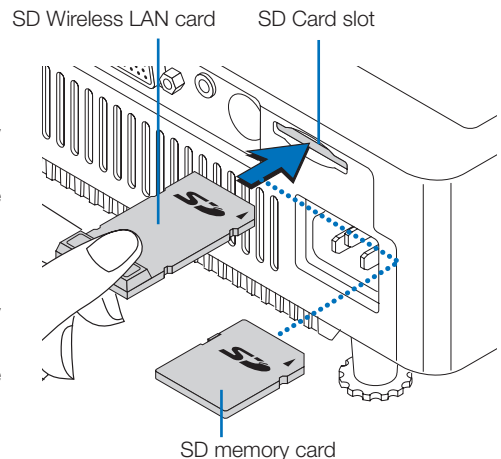
● Removal of SD Cards

SD Wireless LAN Cards

1. Turn off the projector power.
2. Pressing the SD wireless LAN card will result in a click sound, the release of the lock, and the card will pop out a little. Hold both edges of the card and remove it.

SD Memory Cards

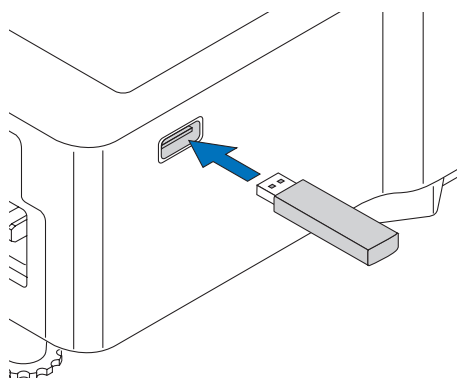
1. Pressing the SD card will result in a click sound, the release of the lock, and the card will pop out a little. Hold both edges of the card and remove it.



Insertion of USB Flash Memory Devices

This commercially-available memory supporting the USB standard records images when using the Image Viewer function.

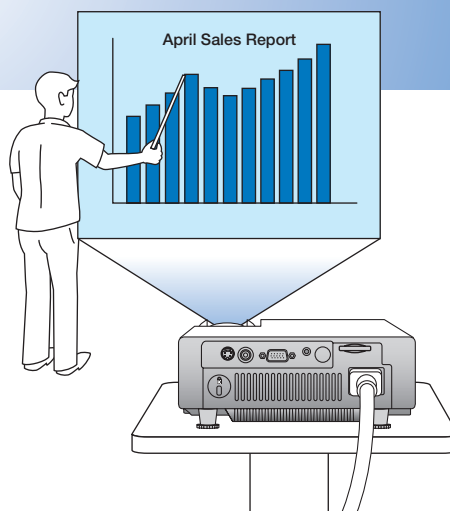
Gently insert the USB flash memory device as far as it will go into the USB port of the projector.



Using the Image Viewer Function

Image Viewer is a function that takes the presentation documents that were created on a PC, stores them on an SD memory card or a USB flash memory device, and projects them with the projector. Even without having a PC with you, Image Viewer allows you to give a presentation with the stand-alone projector.

(The presentation images that have been stored on the SD memory card or the USB flash memory device are termed slides.)



NOTE

- Use the remote control for the operations of the Image Viewer function.

- You can make presentations without carrying a PC by storing slides on an SD memory card or on a USB flash memory device.
- There is an automatic slide play and repeat function that is convenient for use in stores.
- When looking for a certain slide, a thumbnail display mode/directory display mode allows the desired slide to be selected and displayed with a simple operation.
- SD memory cards holding digital camera photographs can also be played.
(JPEG, BMP, and PNG formats only)

■ Terminology used with Image Viewer

Slides A group of image files are called slides.

Folder A case that contains gathered slides is called a folder. A folder that contains gathered folders is called a master folder, and may also be used to distinguish between folders.

Image Viewer screen A screen that has been switched to Viewer input is called an Image Viewer screen.

Removable media..... Refers to SD memory cards or USB flash memory devices.

Presentation Procedure

Follow the steps below to make presentations using the Image Viewer function.

1 Create presentation images on your PC and store them on removable media. (See Page 18.)

- Insert an SD memory card into the SD card slot of the PC. If the PC does not have an SD card slot, a commercially-available SD card adapter is required.
- Use of a commercially-available USB type SD memory card reader/writer will permit presentation images (i.e., slides) to be recorded from the USB port of the PC to the SD memory card.

2 Insert an SD memory card into the projector's SD card slot, or insert a USB flash memory device into the USB port. (See page 14.)

3 If the projector's power is off, turn it on.

Press the POWER/STANDBY button of the projector or the remote control. For details, see the Projector section of the User's Manual.

4 Select the viewer input.

Press the SOURCE button of the projector, or the VIEWER button of the remote control and select Viewer. For details, see the Projector section of the User's Manual.

It may take 10 to 20 seconds until the inserted removable media is recognized.

5 Start the presentation. (See page 19.) "Operating the Image Viewer Operation"

6 Finish the presentation. (See page 25.) "Exiting the Image Viewer"

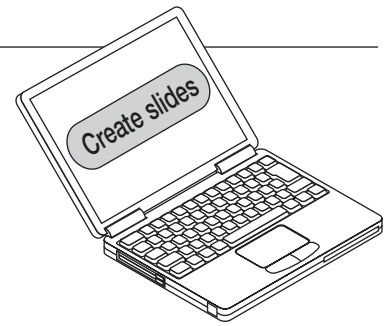
Slide Creation

Slide Creation Guide

1. Create slides on the PC and convert them into image files.

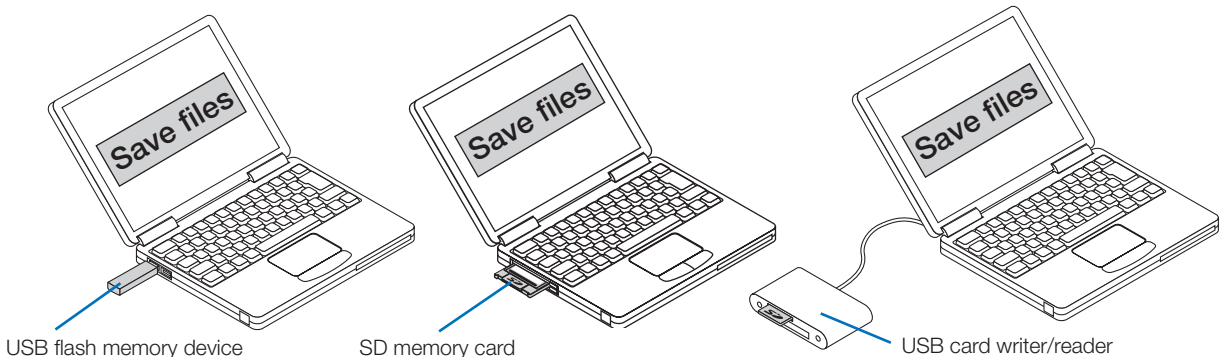
● Slide Creation Restrictions

- Convert the images that will be projected into the JPEG, BMP, or PNG format and place them in one folder.
- When the slides are to be projected in a certain order, arrange them with file names of ascending alphanumeric order. The Image Viewer will display the files in the order of 0 → 9 → A → Z.
- Long file names can also be used, but only alphanumeric characters will be displayed properly.
- High resolution images are converted to a resolution that is below the display resolution of the projector and displayed. Note that high resolution images may also take time before they are displayed.
- When projecting PowerPoint files, first convert them into JPEG, BMP, or PNG format and place them in a folder. (Animation effects cannot be played back.)
- Image files that contain a large volume of data will take time before the presentation display starts.



2. Store the image files on removable media.

When the PC is equipped with a PC Card drive, use a commercially-available SD card adapter. When the PC is not equipped with a PC Card drive, use a commercially-available USB card write/reader or a USB flash memory device.



■ SD Memory Card and Data Formats Supported by this Projector

- SD memory cards that can be used by this projector are standard SD memory cards of up to 2 GB that are "SD memory card standard compliant."
- SDHC (exceeding 2 GB) type SD memory cards are not supported.
- Image data that can be played back with the projector are JPEG, BMP, and PNG files of the MS-DOS format.
 - * JPEG progressive data cannot be played back.
 - * Some types of JPEG format files cannot be played back. Should this be the case, convert the image format.
 - * BMP files that have formats other than 1, 4, 8, or 24 bits will not be played back.
- Some large-sized files cannot be displayed by this projector.

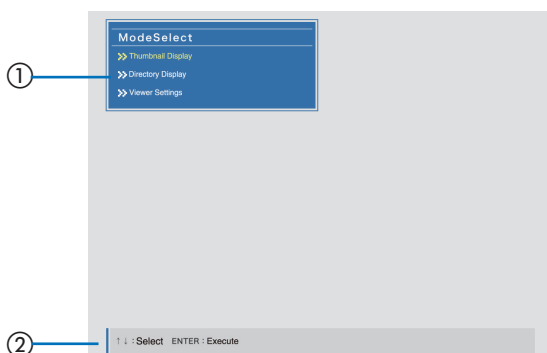
Operating the Image Viewer

Insert the SD memory card into the SD slot of the projector, or insert a USB flash memory device into the USB port. Press the VIEWER button of the remote control and select the Image Viewer. The Mode Select screen will be displayed. (It may take 10 to 20 seconds for the removable media to be recognized by the projector.)

Two modes are available: Thumbnail Display for selecting the desired slides from thumbnail images, and Directory Display for selecting the desired slides from a folder hierarchy.

Names and Functions of the Parts of the Image Viewer Screen

■ Mode Select Screen

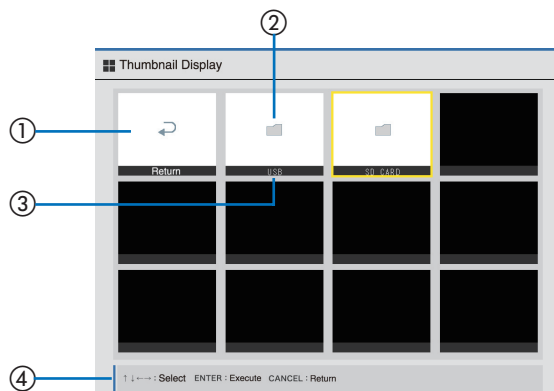


- ① Mode Select menu : Main menu for selection of the Image Viewer screen and the Image Viewer settings.
- ② Menu guide : Displays the method of operation for the various screens.

■ Thumbnail Display Screen

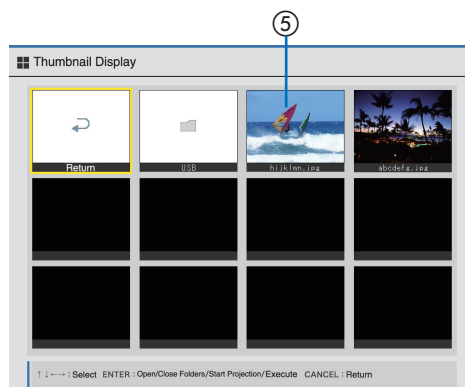
(See Page 21 for information about the method of operation.)

During the Removable Media Display



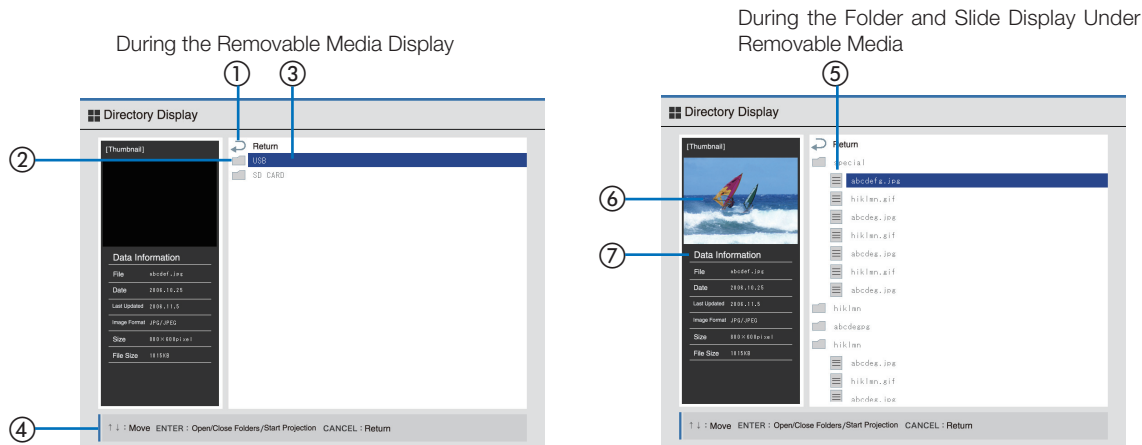
- ① "Return" icon : Returns to the parent folder.
- ② "Folder" icon : An icon display of the removable media and folder.
- ③ Information : Displays the names and file extensions of the removable media, folders, and slides.
- ④ Menu guide : Displays the method of operation for the various screens.
- ⑤ Thumbnail : Displays thumbnails of the slide images.

During the Folder and Slide Display Under Removable Media



■ Directory Display Screen

(See Page 23 for information about the method of operation.)



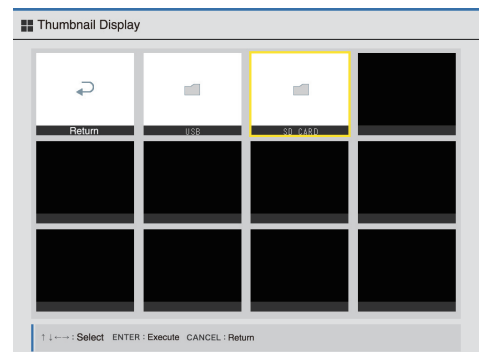
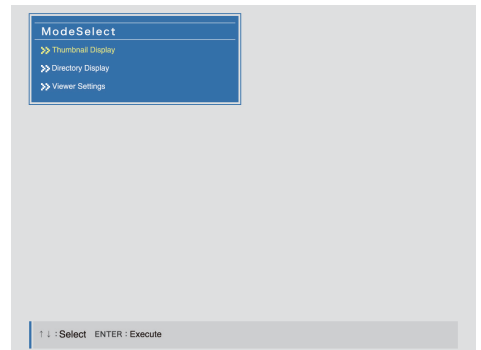
- ① “Return” icon : Returns to the parent folder.
- ② “Folder” icon : An icon display of the removable media and folder.
- ③ Information : Displays the names and file extensions of the removable media, folders, and slides.
- ④ Menu guide : Displays the method of operation for the various screens.
- ⑤ “Slide” icon : Icon display of the slide.
- ⑥ Thumbnail : Displays thumbnails of the selected slides.
- ⑦ Slide information : Displays the information of the selected slides.

Operating the Thumbnail Display

1. Press the VIEWER button of the remote control and switch to the Image Viewer screen.

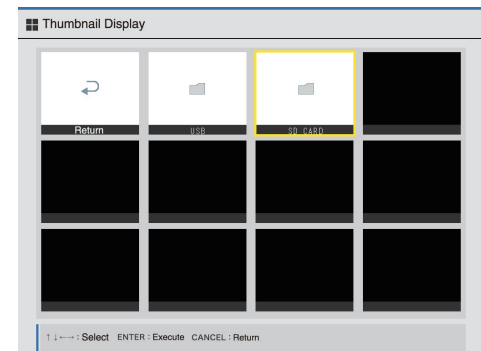
2. Press the SELECT (▲▼) buttons, align the cursor with Thumbnail Display Mode, and press the ENTER button.

The screen will change to the Thumbnail Display screen.



3. Press the SELECT (▲▼◀▶) buttons and align the (yellow framed) cursor with the desired removable media.

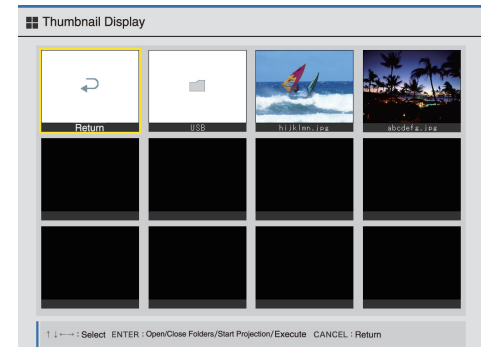
When both SD memory card and USB flash memory device types of removable media are inserted in the projector, both folder icons are displayed.



4. Press the ENTER button.

This will display the content of the removable media.

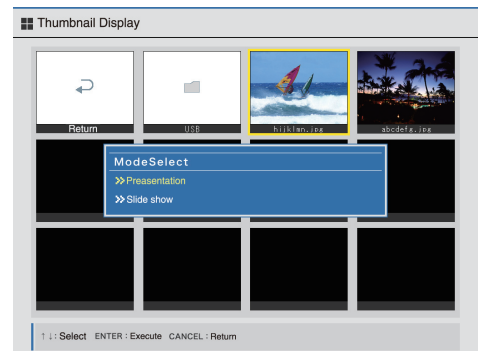
5. Press the SELECT (▲▼◀▶) buttons, align the cursor with the desired slide, and press the ENTER button.



6. The Mode Select (projection mode selection) screen will be displayed.

Select the mode with the SELECT (▲▼) buttons, press the ENTER button, and the slide will be projected on the screen.

- Selecting "Presentation" will enable control of projection with the SELECT (▲▼◀▶) buttons.
See Page 25 for operating information.
- Selecting "Slide show" will perform the projection automatically.
- Presentation and Slide show will operate according to the Image Viewer settings.
See Page 26 for information about making the settings.



● When a folder contains subfolders

- The folders or slides within the folder will be displayed in a list.
Perform Steps 5 and 6 again.
- Press the CANCEL button, or select the "Return" icon located at the upper left of the screen, and press the ENTER button to return to the list screen of the master folder.

1. Press the **VIEWER** button of the remote control to switch to the Image Viewer screen.
2. Press the **SELECT (▲▼)** buttons, align the cursor with **Directory Display Mode**, and press the **ENTER** button.

The screen will change to the Directory Display screen.

3. Press the **SELECT (▲▼)** buttons and align the (blue) cursor with the desired removable media.

When both SD memory card and USB flash memory device types of removable media are inserted in the projector, both folder icons are displayed.

- 4. Press the ENTER button.**

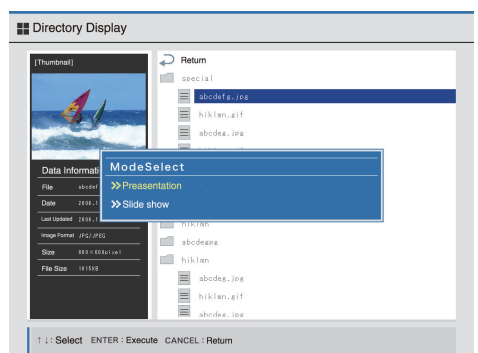
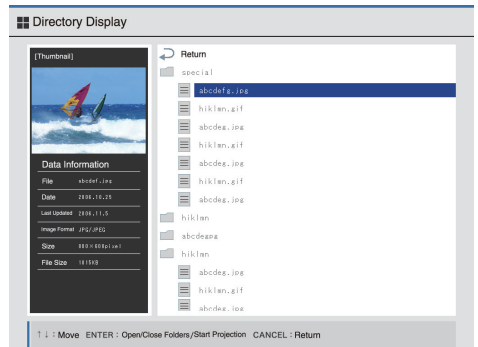
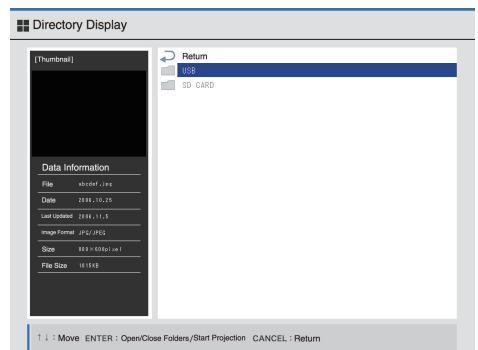
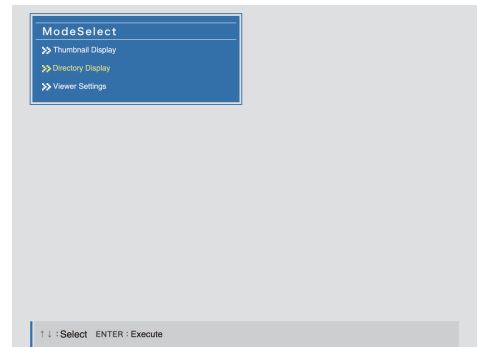
This will display the content of the removable media.

5. Press the SELECT (▲▼) buttons, align the cursor with the desired slide, and press the ENTER button.

6. The Mode Select (projection mode selection) screen will be displayed.

Select the mode with the SELECT (▲▼) buttons, press the ENTER button, and the slide will be projected on the screen.

- Selecting “Presentation” will enable control of projection with the SELECT (▲▼◀▶) buttons.
See Page 25 for operating information.
- Selecting “Slide show” will perform the projection automatically.
- Presentation and Slide show will operate according to the Image Viewer settings.
See Page 26 for information about making the settings.



- **When a folder contains subfolders**

- The folders or slides within the folder will be displayed in a list. Perform Steps 5 and 6 again.
- Press the CANCEL button, or select the “Return” icon located at the uppermost level of the screen, and press the ENTER button to return to the list screen of the master folder.

Slide Operations

Look at “Operating the Thumbnail Display” and “Operating the Directory Display” and switch to the slide screen.

■ Displaying the Slides

- **Slide projection methods** (See Page 26 for information about setting of options.)

There are two methods of projection: “Presentation (manual switching)” and “Slide show (automatic switching).” (See Pages 21 and 23 for information about the projection methods.)

- **Display resolution**

The standard image resolution of the projector is XGA (1024 x 768). Changing the display size of the image can be performed with the Image Viewer settings.

- **Slide size**

When the slide is corrupted or when the slide is of a format that cannot be displayed,  will be displayed.

When the slide is of a large size, it may take some time until the slide is displayed, or display may not be possible.

■ Moving the Slides (Possible Only in Presentation Mode)

Use the **SELECT (▲▼◀▶)** buttons to send and return slides.

SELECT (▼) or (▶) button : Advance to next slide.

SELECT (▲) or (◀) button : Return to previous slide.

NOTE

When Using the Projector Buttons

SELECT (▼) button : Advance to next slide.

SELECT (▲) button : Return to previous slide.

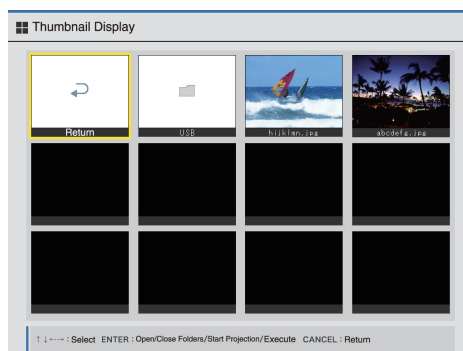


Example of Returning to the Image Viewer Thumbnail Screen

■ Exiting the Slides

Press the **CANCEL** button or **ENTER** button to return to the Image Viewer screen.

- To project another folder or image, operate the Thumbnail Display or the Directory Display.
- To return to the Mode Select screen, press the CANCEL button, or align the cursor with the “Return” icon, and press ENTER.



Exiting the Image Viewer

Press the **SOURCE** button on the projector, or press the **COMPUTER** button, **VIDEO** button, or **NETWORK** button on the remote control and select another input.

The projector will switch to the selected input signal.

- While using the Image Viewer, projecting another input and then switching back to the Image Viewer input again will result in projection under the original conditions.
- During Slide show projection, automatic playback is performed even when another input is projected.

Making Viewer Settings

This sets the operating mode when slides are being projected.

1. Select Viewer Settings at the Mode Select screen.

2. Press the ENTER and open the Viewer Settings screen.

3. Select the item with the SELECT (▲▼◀▶) buttons and press the ENTER button.

Editing of the selected item can be performed.

4. Perform editing with the SELECT (▲▼◀▶) buttons.

Loop Play Function

This setting selects whether or not the slides are played back repetitively.

Loop On : Plays the slides in the folder repetitively.

Loop Off : Stops at the last slide.

Interval Setting

This sets the playback interval when there is Slide show projection.

The SELECT (▲▼◀▶) buttons set the playback interval.

- ▲ : Increments the number of seconds one second at a time.
- ▼ : Decrements the number of seconds one second at a time.
- ◀ : Decrements the number of seconds 10 seconds at a time.
- ▶ : Increments the number of seconds 10 seconds at a time.

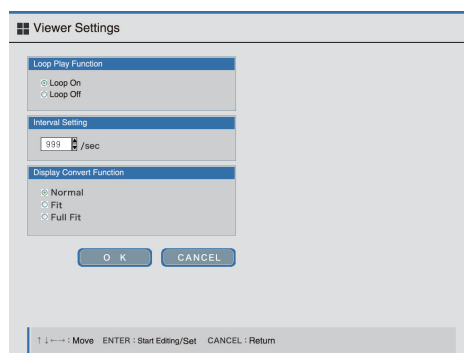
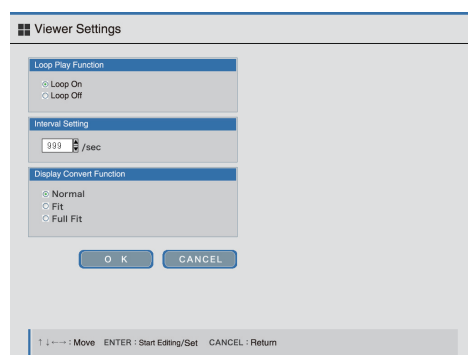
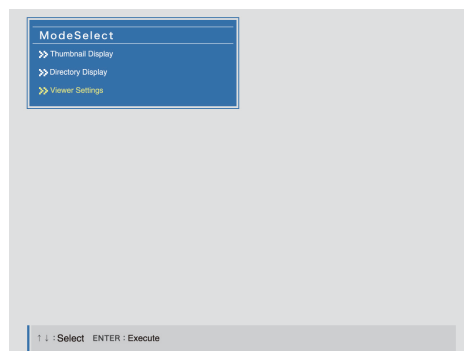
Display Convert Function

This sets the enlargement and reduction format of the image in the screen display.

Normal: Displays at the original image size. When the image is smaller than the screen size, the display appears at screen center. When the image is larger than XGA, the center portion of the original image is cut out and displayed.

Fit: Maintains the aspect ratio of the original image and displays an enlargement or reduction adjusted to the screen size both vertically and horizontally.

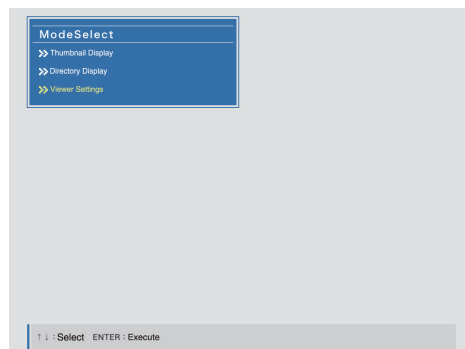
Full fit: Does not maintain the aspect ratio of the original image and displays an enlargement or reduction adjusted to the screen size both vertically and horizontally.



5. Select the OK button with the SELECT (▲▼◀▶) buttons, then press the ENTER button.

To return to the pre-setting condition, select CANCEL, and press the ENTER button.

The Viewer setting screen will close and there will be a return to the Mode Select screen.

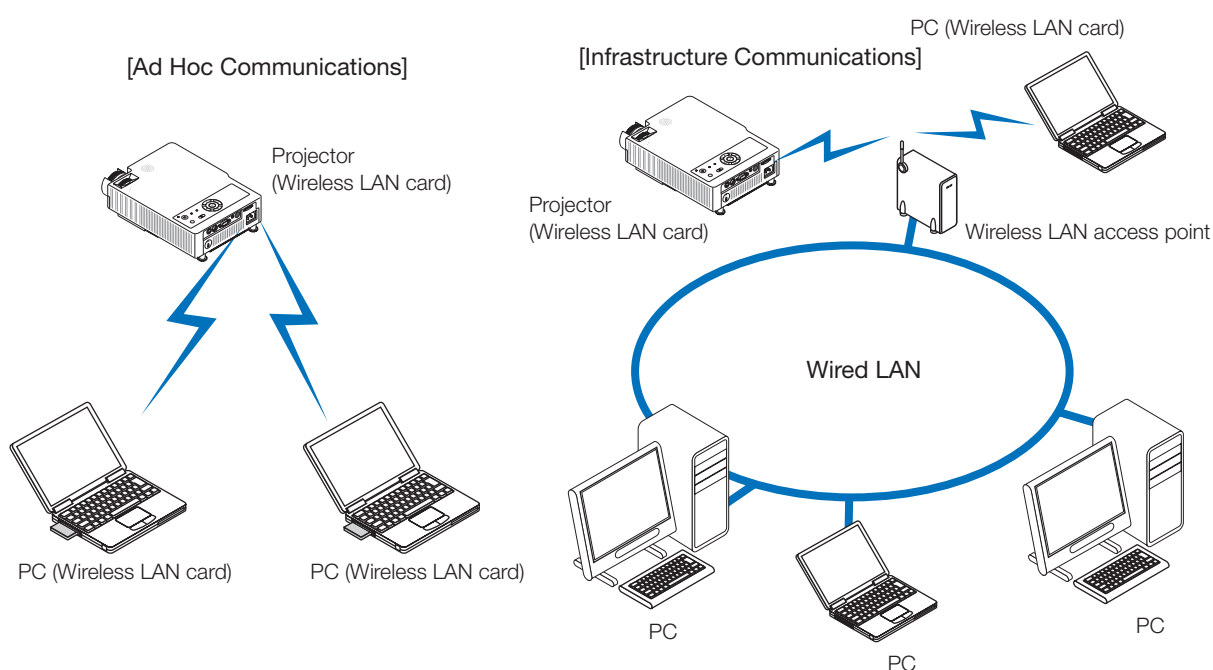


Using the Network Function

● Network Presentation Function

The Network Presentation function uses wireless LAN technology to send the screen image of a document that is open on the PC to the projector over a wireless LAN. This allows presentations to be made by sending images from the PC to the projector without the use of cables.

Provided that a wireless LAN access point is connected to a wired LAN, presentations can also be made via the network from a PC connected to the wired LAN.



● Network Settings Change Function

The network settings change function allows the user to use a Web server from a PC connected to a wireless LAN or other TCP/IP based network to edit the network settings of the projector.

A Web browser such as Internet Explorer is used on the PC to provide remote control of the projector.

Network Presentation Procedure

■ Settings Procedure When Using the Network Function for the First Time

1 Preparation at the PC side

Step 1: When the projector and the PC have direct communications (ad hoc communications) over a wireless LAN, the PC must have a commercially-available wireless LAN card, or it must be a PC with a built-in wireless LAN.

Step 2: Follow the installation procedure of the commercially-available wireless LAN card and complete the installation of the driver and utility software, and the network settings.

See the user's manual of the wireless LAN card for information about how to make the settings.

Step 3: Install on the PC the "TAXAN Wireless Presenter" which is located on the CD-ROM supplied with the projector. This software is used for sending the images of the PC screen to the projector. (See Page 10.)

Step 4: When the aforementioned preparations have been completed, mount the PC's wireless LAN card in the PC.

2 Insert the SD wireless LAN card that was supplied with the projector into the SD card slot of the projector. (See Page 14.)

3 Select the network input with the projector.

Press the SOURCE button on the projector, press the WIRELESS button on the remote control, and select the network input.

See the Projector section of the User's Manual for details about input selection.

The "Wireless LAN/Network Settings" verification screen of the projector will be displayed.

4 Perform the projector-side network settings. (See Page 30.)

5 Perform the network settings for establishing a connection with the projector at the PC side. (See Page 34.)

■ Procedure for Performing a Network Presentation

The procedure described below is a method for making a presentation using a projector and PC for which settings have been completed.

1 Start TAXAN Wireless Presenter on the PC and connect with the projector. (See Page 39.)

2 Display on the screen of the PC the document the you would like to project with the projector. (See Page 39.)

The screen of the PC will be projected from the projector retaining its original appearance (for a network presentation).

3 Finish the presentation. (See Page 39.)

■ Using a Web Browser to change the Wireless LAN/Network Settings of the Projector (See Page 42.)

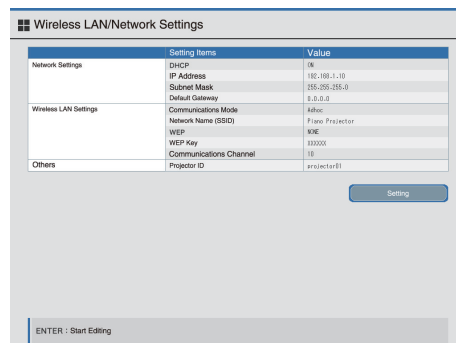
Network Settings for the Projector

Preparation:

Project the Wireless LAN/Network Settings verification screen from the projector.

Projection

Turn on the projector power, press the SOURCE button (or the WIRELESS button on the remote control), and select the network input.



The screenshot shows the 'Wireless LAN/Network Settings' verification screen. It features a table with three columns: 'Setting Items', 'Value', and an empty column. The table is divided into three sections: 'Network Settings', 'Wireless LAN Settings', and 'Others'. The 'Network Settings' section includes DHCP (ON), IP Address (192.168.1.10), Subnet Mask (255.255.255.0), and Default Gateway (0.0.0.0). The 'Wireless LAN Settings' section includes Communications Mode (Ad-hoc), Network Name (SSID) (Fano Projector), WEP (OFF), WEP Key (000000), and Communications Channel (10). The 'Others' section includes Projector ID (projector01). A 'Setting' button is located at the bottom right. At the bottom of the screen, it says 'ENTER : Start Editing'.

Setting Items	Value	
Network Settings		
DHCP	ON	
IP Address	192.168.1.10	
Subnet Mask	255.255.255.0	
Default Gateway	0.0.0.0	
Wireless LAN Settings		
Communications Mode	Ad-hoc	
Network Name (SSID)	Fano Projector	
WEP	OFF	
WEP Key	000000	
Communications Channel	10	
Others		
Projector ID	projector01	

Wireless LAN/Network Settings Verification Screen

NOTE

The following settings are not usually required when using direct wireless LAN communications between the projector and the PC (i.e., ad hoc communications) with the default configuration that was set at the factory before shipping.

* The setting are required when the transmitted images undergo encryption.

Selecting the Settings Screen Items and Entering Characters

For further information about the settings, see “Network Setting and Selection.”

Use the SELECT (▲▼◀▶) buttons and the ENTER button of the projector or remote control to make the settings.

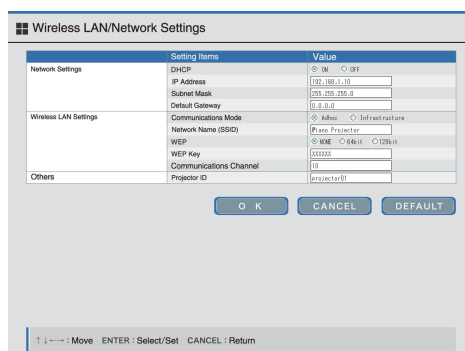
1. Press the ENTER button.

The screen changes to the Wireless LAN/Network Settings screen.

NOTE

If a network password has been set, you will not be able to open the Wireless LAN/Network Settings screen. Cancel the password, then make the settings. See “Registering and Cancelling Network Passwords” on Page 32.

Note also that once a network password has been cancelled, the settings cannot be protected by password unless a network password is registered again.



The screenshot shows the 'Wireless LAN/Network Settings' screen. It features a table with three columns: 'Setting Items', 'Value', and an empty column. The table is divided into three sections: 'Network Settings', 'Wireless LAN Settings', and 'Others'. The 'Network Settings' section includes DHCP (ON), IP Address (192.168.1.10), Subnet Mask (255.255.255.0), and Default Gateway (0.0.0.0). The 'Wireless LAN Settings' section includes Communications Mode (Ad-hoc), Network Name (SSID) (Fano Projector), WEP (OFF), WEP Key (000000), and Communications Channel (10). The 'Others' section includes Projector ID (projector01). At the bottom right, there are three buttons: 'OK', 'CANCEL', and 'DEFAULT'. At the bottom of the screen, it says '1 | Move ENTER : Select/Set CANCEL : Return'.

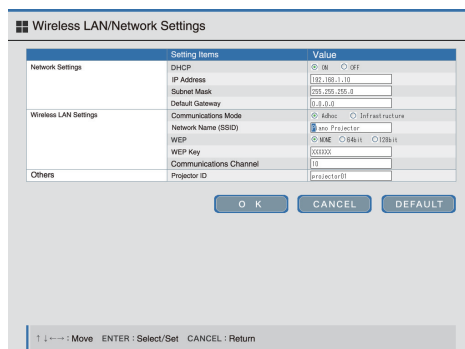
Setting Items	Value	
Network Settings		
DHCP	ON	
IP Address	192.168.1.10	
Subnet Mask	255.255.255.0	
Default Gateway	0.0.0.0	
Wireless LAN Settings		
Communications Mode	Ad-hoc	
Network Name (SSID)	Fano Projector	
WEP	OFF	
WEP Key	000000	
Communications Channel	10	
Others		
Projector ID	projector01	

2. Press the SELECT (▲▼) buttons and align the cursor with the desired item.

The frame of the input column or the radio button will be highlighted for the selected item.

3. Entering alphanumeric characters

- Press the ENTER button to display the cursor at the left side of the character input column.
- Use the SELECT (◀▶) buttons to select the characters, and use the SELECT (▲▼) buttons to change the characters. Each press of the SELECT (▲) button changes the display one step in the order of Numbers → Upper case letters → Lower case letters → Symbols (32 characters). Press the button as required until the desired character is displayed. The SELECT (▼) button displays the characters in the opposite order.
- Press the ENTER button to display the cursor at the right side of the character input column.



The screenshot shows the 'Wireless LAN/Network Settings' screen. It features a table with three columns: 'Setting Items', 'Value', and an empty column. The table is divided into three sections: 'Network Settings', 'Wireless LAN Settings', and 'Others'. The 'Network Settings' section includes DHCP (ON), IP Address (192.168.1.10), Subnet Mask (255.255.255.0), and Default Gateway (0.0.0.0). The 'Wireless LAN Settings' section includes Communications Mode (Ad-hoc), Network Name (SSID) (Fano Projector), WEP (OFF), WEP Key (000000), and Communications Channel (10). The 'Others' section includes Projector ID (projector01). At the bottom right, there are three buttons: 'OK', 'CANCEL', and 'DEFAULT'. At the bottom of the screen, it says '1 | Move ENTER : Select/Set CANCEL : Return'.

Setting Items	Value	
Network Settings		
DHCP	ON	
IP Address	192.168.1.10	
Subnet Mask	255.255.255.0	
Default Gateway	0.0.0.0	
Wireless LAN Settings		
Communications Mode	Ad-hoc	
Network Name (SSID)	Fano Projector	
WEP	OFF	
WEP Key	000000	
Communications Channel	10	
Others		
Projector ID	projector01	

4. Setting the content of an item

Use the SELECT (◀▶) buttons to align the cursor (dotted line frame) with the item content, then press the ENTER button.

A “●” will move to the radio button and will be set.

5. Complete the settings

To transfer to the altered content, use the SELECT (▲▼) buttons to align the cursor with [OK] and press the ENTER button.

There will be a return to the Wireless LAN/Network Settings verification screen.

Function of the buttons

- OK: Transfers the altered content.
- DEFAULT: Returns the settings to the initial setting values (which were set at the factory before shipping).
- CANCEL: Returns the settings to the way they were before being changed.

Network Settings and Selection

Network Settings	DHCP	Selects whether to acquire the IP address automatically from the DHCP server, or use the specified IP address.
	IP Address	Specified by half-width numbers from 0 to 255 delimited with a period.
	Subnet Mask	Specified by half-width numbers from 0 to 255 delimited with a period.
	Default Gateway	Specified by half-width numbers from 0 to 255 delimited with a period.
Wireless LAN Settings	Communications Mode	Selects whether to perform direct communications between devices (ad hoc), or use an access point for communications (Infrastructure).
	Network Name (SSID)	Specifies the identification data of the network. Up to 32 characters can be entered comprised of half-width alphanumeric characters and the following symbols: ! " # \$ % & ' () * + , - . / [\] ^ _ ' ¥ ` { } ~ : ; < = > ? @
	WEP	Selects the length of the key when encrypting data and providing communications.
	WEP Key	Specifies 10 hexadecimal characters for 64 bit, and 26 hexadecimal characters for 128 bit. Half-width numbers and the letters “A” to “F” can be used.
	Communications Channel	Selects the communications channel
Others	Projector ID	The projector name can be specified with up to 255 characters using half-width alphanumeric characters and the following symbols: ! " # \$ % & ' () * + , - . / [\] ^ _ ' ¥ ` { } ~ : ; < = > ? @

CAUTION

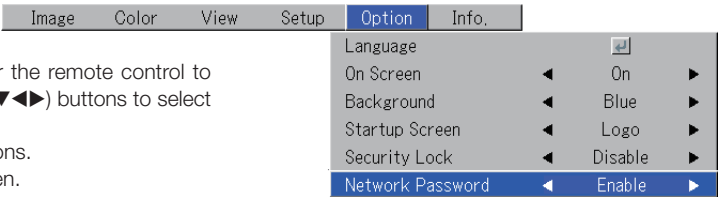
Settings cannot be made with the projector when the network password is valid.

Registering and Cancelling Network Passwords

A password can be used to protect the network settings of the projector from being changed by another party. Once the network password has been registered, entry of the password will be required when opening the Wireless LAN/Network Settings screen. The password will also be required for password cancellation, so make a note of the password.

■ Registering the Network Password

1. Using the onscreen menu, set the [Network Password] of the projector to “Enable.”



- ① Press the MENU button of the projector or the remote control to display the menu, then use the SELECT (▲▼◀▶) buttons to select the [Option] → [Network Password] items.
- ② Select “Enable” with the SELECT (◀▶) buttons.
- ③ Display the Network Setting Password screen.

3. Register the password using 4 buttons of the remote control.

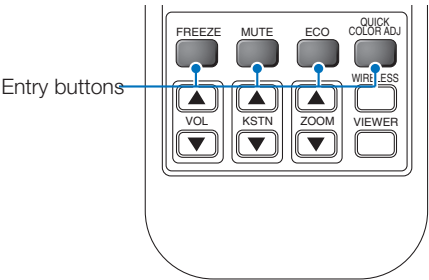
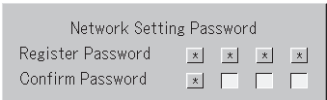
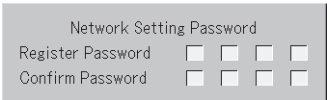
Be sure to enter 4 digits using a combination of buttons.

Buttons used for password entry (registration):
FREEZE, MUTE, ECO, and QUICK COLOR ADJ

Substituting with numbers starting from the leftmost button as indicated below will make it easy to remember. (These buttons will be called numbers in the description that follows.)

- FREEZE button “1”
- MUTE button “2”
- ECO button “3”
- QUICK COLOR ADJ button “4”

- An asterisk “*” will appear each time a button is pressed.
- A verification entry will be made after the 4 digits have been entered. The same numbers are entered once again. If the numbers are the same as the registered numbers, an asterisk “*” will appear at the password verification entry. If there is an error, “*” will disappear.
- If correct, the network settings password display will close.



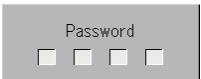
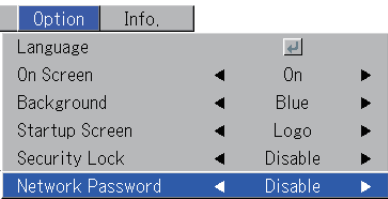
NOTE

- To cancel an entry, press the CANCEL button. The asterisks “*” will disappear and the system will stand by awaiting an entry for the first digit.
- To cancel the network password registration, press the CANCEL button again. The [Network Setting Password] display will close.

Registration of the network password is now complete.

■ Cancelling the Network Password

- ① Using the onscreen menu, set the [Network Password] of the projector to "Disable."
- ② The onscreen menu will close and the password entry screen will be displayed.
Enter the registered password. The method of entry is the same as that described on the previous page.



NOTE
To change the password, first cancel the password, and then register a new one. See "Registering the Network Password" on Page 32.

Wireless LAN Settings on the PC for the Connection with the Projector

The setting method differs between Windows XP and Windows 2000.

Use "Computer Administrator" rights with Windows XP.

Use "Administrators" rights for Windows 2000.

Network Settings for PCs Running Windows XP

Preparation:

Project the Wireless LAN/Network Settings screen from the projector.

For information about projection, see Page 30.

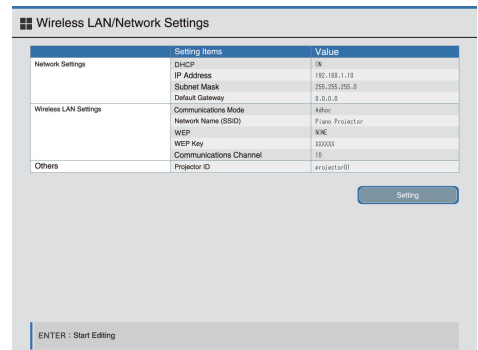
■ Using the Windows XP Wireless LAN Setting Properties

This description is based on the method of wireless LAN settings for a standard Windows XP environment.

The Wireless LAN/Network Settings for the projector will be set as described below. (This is the default condition.)

Communications Mode : Ad hoc
Network Name (SSID) : projector
Communications Channel : 10
IP Address : 192.168.1.10

- The settings can be changed using the settings from the Web browser or the projector menu (on the projector). For information about changing the settings, see Pages 30 and 42.



	Setting Items	Value
Network Settings	DHCP	Off
	IP Address	192.168.1.10
	Subnet Mask	255.255.255.0
	Default Gateway	0.0.0.0
Wireless LAN Settings	Communications Mode	Ad hoc
	Network Name (SSID)	Flame Projector
	WEP	None
	WEP Key	12345678
Others	Communications Channel	10
	Projector ID	projector01

Setting

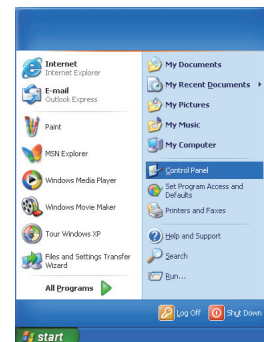
ENTER : Start Editing

Wireless LAN/Network Settings Verification Screen

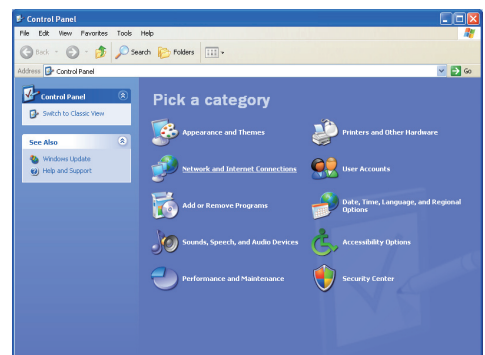
1. Log on to Windows XP by a user having Administrator rights*.

From the [Start] menu → [All Programs] → open [Control panel].

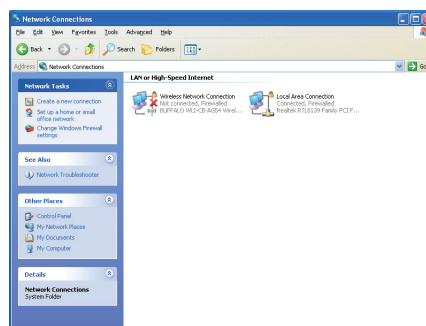
* A user having Administrator rights means having user rights permitting access to all PC functions.



2. From [Control Panel] → open [Network and Internet Connections].

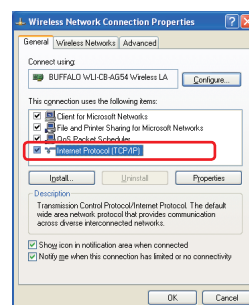


3. Open the [Network Connections] window.

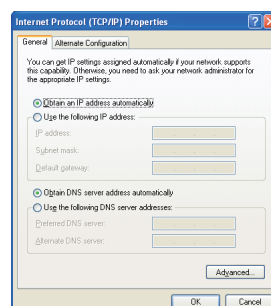


4. Set “Wireless Network Connection” to “Enabled,” and set all other network devices to “Disabled.”

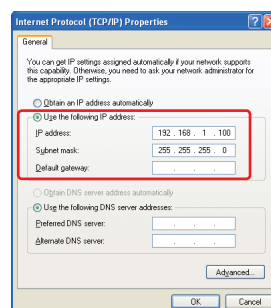
5. Open the “Wireless Network Connection” Properties window, and from “This connection uses the following items:” select “Internet Protocol (TCP/IP).”



6. Open the “Internet Protocol (TCP/IP)” Properties window.



7. Under “Use the following IP address:” set “IP Address,” “Subnet mask,” and “Default Gateway.”



A Note on IP Addresses

- Do not set the IP address for the PC to the same IP address as the projector.
(Note, however, that within the IP address, the portion that indicates the network address should be set the same as that of the projector.)

As an example, the default settings of the projector are as follows:

IP address: 192.168.1.10
Subnet mask: 255.255.255.0

In this case, the IP address of the PC is set as follows:

IP address: 192.168.1.xxx (Enter a decimal number in the xxx portion.)
Subnet mask: 255.255.255.0

Wireless LAN Settings on the PC for the Connection with the Projector

Specify a numerical value between 1 and 254 for the “xxx” portion that does not duplicate that of another network device. In the present instance, since the IP address of the projector is “192.168.1.10”, a numerical value between 1 and 254 can be specified for the “xxx” portion of the IP address of the PC, but “10” cannot be used because it is being used by the projector.

- The IP address of the projector can be changed using the “Wireless LAN/Network Settings” screen of the projector, or a Web browser. For information about the settings method, see “Network Settings for the Projector” (on Page 30), and “Wireless LAN Settings Using a Browser” (on Page 42).
- When there is a DHCP server on the network, the IP address of the projector can be allocated automatically.
- When the projector and the PC are on the same network (i.e., when the network address is the same), there are instances where there is no setting for the Default Gateway.
- * DHCP (Dynamic Host Configuration Protocol) performs required network settings such as the IP address for the device from the DHCP server.
- * When the projector and the PC are on different networks, the Default Gateway must be set. Please inquire with your network administrator for details.

Operating the TAXAN Wireless Presenter

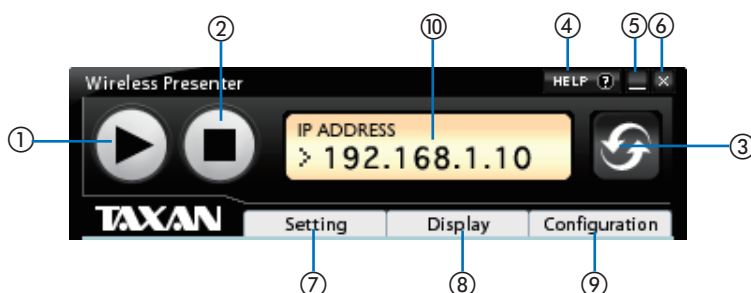
Starting the TAXAN Wireless Presenter from the Start menu of the PC will display the TAXAN Wireless Presenter screen. This screen is used to perform the transfer operation with the wireless LAN, and settings.

Names and Functions of the Parts of the TAXAN Wireless Presenter Screen

TAXAN Wireless Presenter screens include a variety of screens for making a wide variety of settings.

■ Primary Screen

(For information about the method of operation, see Page 39.)



- | | |
|----------------------|---|
| ① Play button: | Image projection start button |
| ② Stop button: | Image projection stop button |
| ③ Refresh button: | Refresh button for the list of projection-able projectors |
| ④ HELP button: | Help display button for the TAXAN Wireless Presenter |
| ⑤ Minimize button: | Minimize button of the TAXAN Wireless Presenter |
| ⑥ Close button: | Close button of the TAXAN Wireless Presenter |
| ⑦ Setting tab: | Open/close button of the Setting tab |
| ⑧ Display tab: | Open/close button of the Display tab |
| ⑨ Configuration tab: | Open/close button of the configuration tab |
| ⑩ IP ADDRESS window: | IP address display window of the active projector |

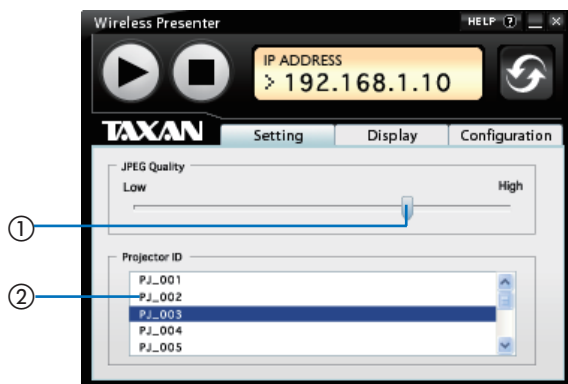
● Task tray icon

Pressing the Minimize button of the TAXAN Wireless Presenter will display an icon on the task tray of the PC screen.

The [] icon is displayed when a connection is made, and the [] icon is displayed upon disconnection.

■ Setting Screen

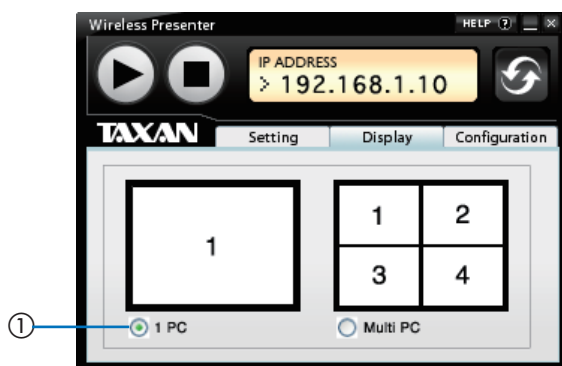
(For information about the method of operation, see Pages 39 and 40.)



- | | |
|---------------------------------------|---|
| ① Projection quality setting slider: | Slider for setting the quality of the projection image. |
| ② List of projection-able projectors: | List of projectors that are currently able to provide projection. |

■ Display Screen

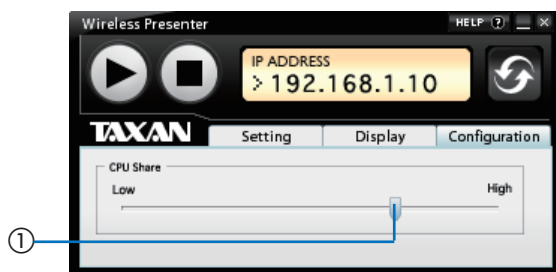
(For information about the method of operation, see Page 40.)



① Projection mode selection button: Button used to select the projection mode.

■ Configuration Screen

(For information about the method of operation, see Page 41.)



① CPU share adjustment slider: CPU share adjustment slider for the TAXAN Wireless Presenter on the PC.

Starting and Controlling the Network Presentation

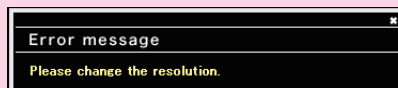
Preparation:

1. Before performing the presentation, check that the network settings have been made on both the projector side and the PC side, and that TAXAN Wireless Presenter has been installed on the PC.
2. Check that the display resolution of the PC screen is set to XGA (1024 x 768) or less. PC resolutions of VGA, SVGA, and XGA can be used.

NOTE

When the resolution of the PC screen exceeds XGA (1024 x 768), the following error message will be displayed.

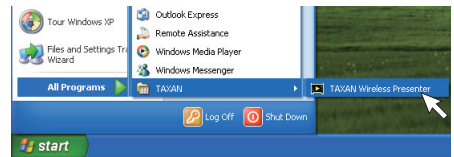
Press the [x] button and close the error message, then change the screen resolution to XGA.



■ Starting the Presentation

1. Starting the TAXAN Wireless Presenter.

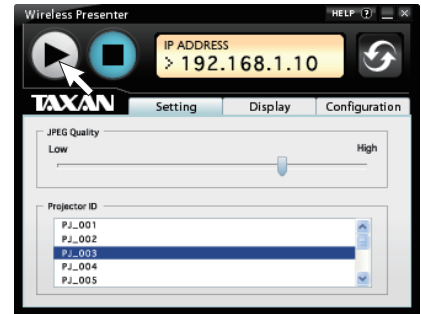
From the Start menu of the PC, select [All Programs] → [TAXAN] → [TAXAN Wireless Presenter].



2. Select the projector that you want to use from the Setting screen and click the Play button (▶).

The Projector ID list will display the projectors that can be accessed.

- When the desired projector ID is not displayed, click the Refresh button to update the information.



3. Close the Setting screen and start the projection of the PC screen.

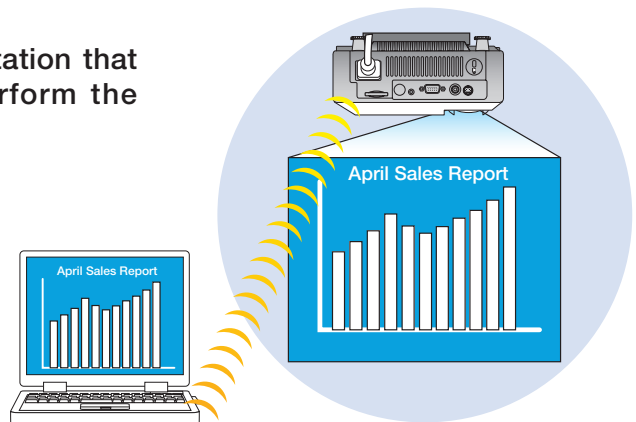
- If the primary screen is in the way, click the Minimize button. To open, click the [▶] icon in the PC task tray.



4. Open the documents of the presentation that you would like to project and perform the presentation.

Using the name function of the TAXAN Wireless Presenter, presentations of groups can be made to the projector.

To pause the transfer to the projector, click the Stop button (◻). To restart, press the Play button (▶).



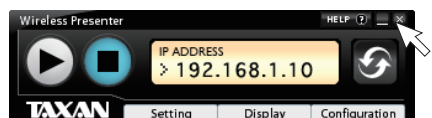
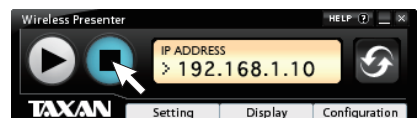
■ Exiting the Presentation

1. Click the Stop button (◻).

Access with the projector will be interrupted, and there will be a return to the pre-connection condition.

2. Click [x].

This will close the TAXAN Wireless Presenter software.



Setting the TAXAN Wireless Presenter

The TAXAN Wireless Presenter includes functions that control the projection. The various settings of “Setting,” “Display,” and “Configuration” permit adjustment of the projection.

■ Setting the Projection Quality

The TAXAN Wireless Presenter captures images of the PC screen, and sends to the projector images that have been compressed with JPEG.

Click the Setting tab and switch to the Setting screen.
Drag the JPEG Quality slider and set the JPEG compression ratio.

Low (image quality): Increases the JPEG compression ratio. When the compression ratio is set high, there is a decrease in the volume of data that is sent. This results in an increase of the image transfer speed, but the image quality drops.

High (image quality): Decreases the JPEG compression ratio. When the compression ratio is set low, there is an increase in the volume of data that is sent. This results in a decrease of the image transfer speed, but the image quality increases.

NOTE

- Depending on the PC that you are using, stable operation might not be possible. If this is the case, readjust this setting toward the Low (image quality) side.

■ Setting the Number of PCs for Projecting

A projector can project a maximum of 4 PC screens at once.

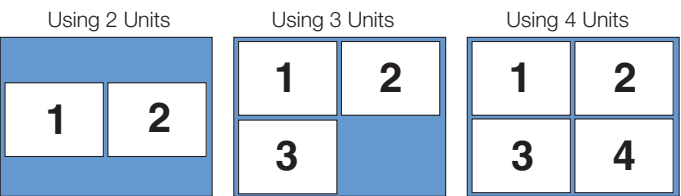
Click the Display tab to switch to the Display screen, then click the “1 PC” or the “Multi PC” radio button.

- 1 PC: Projection mode using only one PC.
Multi PC: Projection mode using 2 to 4 PCs.

• Screen order with multiple units projecting

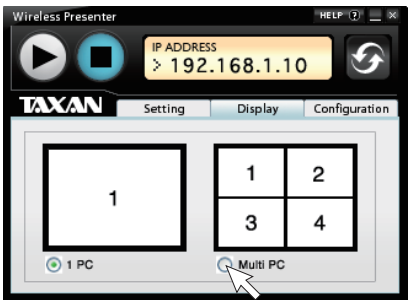
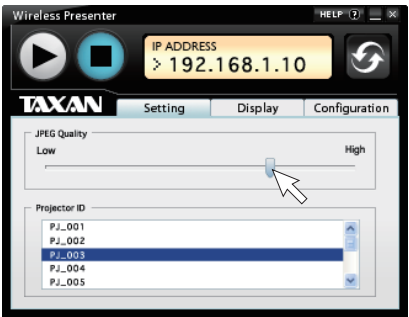
When the projection uses multiple units, projection will be performed according to the number of units with the order and positions indicated below.

* Screen numbers indicate connection order.



NOTE

The settings of the PC that was last switched will have priority when switching between 1 PC and Multi PC. In a projection with multiple PCs, switching between a single screen and multiple screens can be done at any time.



■ Setting the CPU Share of the TAXAN Wireless Presenter

Click the Configuration tab and switch to the Configuration screen.

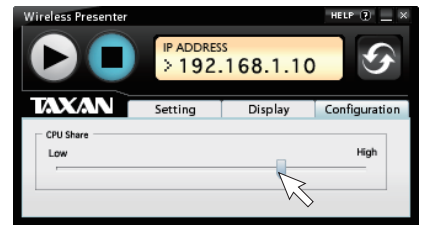
Drag the slider and set the CPU duty ratio of the TAXAN Wireless Presenter.

Low (CPU share is low):

When applications other than the TAXAN Wireless Presenter use CPU resources to the maximum, set the CPU share to a low level. When CPU share is set to a low level, the capture frequency drops and as a result, the operating speed drops. (This is not suitable when the display screen is changed frequently.)

High (CPU share is high):

When the TAXAN Wireless Presenter uses CPU resources to the maximum, set the CPU share to a high level. When CPU share is set to a high level, the capture frequency increases and as a result, the operating speed of other applications drops.



Wireless LAN Settings Using a Browser

Using Web server functions from a PC connected to a wireless LAN, this function edits the wireless LAN/network settings of a projector that is connected to the same network. The PC uses a Web browser such as Internet Explorer to perform Wireless LAN/Network Settings of the projector.

CAUTION

In the settings of the Web browser, set the browser so that it does not use a Proxy*. (See your browser's Help function for the setting method.)

* Proxy has the meaning of acting on behalf of another and refers to a mediating server that is connected to the Internet in lieu of the PC that is being used.

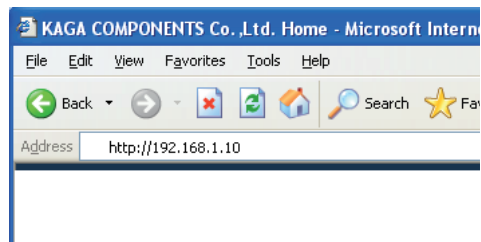
Making Projector and Web Connections

1. Start up the PC's Web browser (Internet Explorer, etc.).

2. Enter the IP address of the projector in the address column.

Entered the IP address that is displayed on the Wireless LAN/Network Settings screen of the projector.

The default address that was set at the factory before shipping is "192.168.1.10"; therefore, enter the IP address after http://. (The "www." portion is not required.)



3. Display the TAXAN Wireless Presenter Configuration Utility.

Change by entering or from the pull-down list.

Clicking the [Refresh] button will display the changed contents.

Clicking the [Reset] button will cancel the change and result in a return to the pre-change setting.

TAXAN Wireless Presenter Configuration Utility

Category	Value	Explanation
Network	DHCP <input type="radio"/> Obtain an IP Address automatically <input checked="" type="radio"/> Use a set IP Address	Select obtaining an IP Address automatically or using a set IP Address.
	IP Address 192.168.1.10	Input the four numbers 0-255 separated by a dot.
	Sub net mask 255.255.255.0	Input the four numbers 0-255 separated by a dot.
	Default gateway 0.0.0.0	Input the four numbers 0-255 separated by a dot.
Wireless LAN Settings	Network architecture <input checked="" type="radio"/> Ad-Hoc <input type="radio"/> Infrastructure	Select the network architecture is Ad-Hoc or Infrastructure.
	SSID projector	Set SSID. Use less than 32 ASCII characters.
	WEP <input checked="" type="radio"/> Disable <input type="radio"/> 64bit-WEPKEY <input type="radio"/> 128bit-WEPKEY	Select the length of key for encrypting the communication message. (WEP)
	WEP key []	Set secret key with 10 hexadecimal numbers by 64bit-WEP and 26 hexadecimal numbers by 128bit-WEP. Use numbers and "a"-f characters.
	Channel 10	Select communication channel.
Others	Projector ID projector01	Set projector device name to less than 35 ASCII characters.

[RESET] [APPLY]

Names and Roles of the Various Settings

Setting Item		Description
Network Settings	DHCP	Selects whether to acquire the IP address automatically from the DHCP server, or use the specified IP address.
	IP Address	Specified by half-width numbers from 0 to 255 delimited with a period.
	Subnet Mask	Specified by half-width numbers from 0 to 255 delimited with a period.
	Default Gateway	Specified by half-width numbers from 0 to 255 delimited with a period.
Wireless LAN Settings	Communications Mode	Selects whether to perform direct communications between devices (ad hoc), or use an access point for communications (Infrastructure).
	Network Name (SSID)	Specifies the identification data of the network. Up to 32 characters can be entered comprised of half-width alphanumeric characters and the following symbols: !"#\$%&'()*+,-./[¥]^_`{ }~:;<=>?@
	WEP	Selects the length of the key when encrypting data and providing communications.
	WEP Key	Specifies 10 hexadecimal characters for 64 bit, and 26 hexadecimal characters for 128 bit. Half-width numbers and the letters "A" to "F" can be used.
	Communications Channel	Selects the communications channel
Others	Projector ID	The projector name can be specified with up to 255 characters using half-width alphanumeric characters and the following symbols: !"#\$%&'()*+,-./[¥]^_`{ }~:;<=>?@

CAUTION

Settings cannot be made with the projector when the network password is valid.

Specifications

■ Wireless LAN Card Specifications

Model	SD-Link 11g
Interface	SD10 Standard Ver. 1.0
Number of channels	Ch. 1 to 11
Transfer speed	IEEE 802.11g / IEEE 802.11b
Frequency band	2.4 GHz ISM Band

■ USB Interface Standard

USB interface	USB 1.1 Standard compliant When a device that supports USB 2.0 is connected, performance will be less than the transfer speed of USB 1.1 (12 Mbps). CAUTION: USB hubs are not supported.
---------------	--

Troubleshooting

Problem	Corrective Action
Image is not projected	The input selection of the projector must be set to Viewer in order to display images from the SD memory card. To display the PC images using the network function (TAXAN Wireless Presenter): <ul style="list-style-type: none">• The input selection of the projector must be set to WIRELESS.• The network settings of the projector and the PC must be set appropriately.• The TAXAN Wireless Presenter utility must be started, and the IP address must be connected to the projector on the allocated network.

Glossary

DHCP (Dynamic Host Configuration Protocol)

This is a function that assigns dynamic IP addresses automatically to devices connected to a network.

IEEE 802.11

This is the specification of a wireless LAN standard established by the IEEE 802.11 Commission of the Institute of Electrical & Electronics Engineers, Inc. (IEEE), U.S.A. which promoted the standardization of wireless LANs and received approval for it as an international standard specification.

IP address

This is a numeric address assigned to a computer (network part) of the Internet Protocol (IP). In the exchange of data, data is sent to the address of the sender, and data is received by the originator from the sender. It is for this reason that an individual IP address is necessary to identify each PC that is connected by a network.

TCP/IP (Transmission Control Protocol/Internet Protocol)

This is a communication protocol and control system that is used to reliably send communications data over a network. A TCP header is added to the data, IP packets are added, and a MAC frame is further added, and data is sent out over the network. The receiving side verifies the other party and fetches the data using the process in reverse.

USB (Universal Serial Bus)

This is one serial interface standard that is used to connect a computer with peripheral devices such as a keyboard, mouse, memory, printer, etc. If a device is plugged into a USB connector with power being supplied to the PC, the device can be used right away because of USB support for plug-and-play.

WEP (Wired Equivalent Privacy)

WEP is an encryption method specified in the IEEE 802.11 wireless LAN standard.

The setting of WEP protects data from being deciphered even when the radio waves are intercepted by a third party as long as the code is not decoded, and it also prevents against intrusion into a wireless LAN.

Encryption

Encryption is the conversion of data (into a secret code) based on an established rule. The process of creating this data is termed encryption, and the process of returning the encrypted data to the original condition is called decryption.

If a cryptographic rule is made public, everybody who knows the rule can decipher the content of the data. To avoid this, the rule must be changed with each encryption. A cryptographic key is used for this purpose. You cannot encrypt data or decode it without a cryptographic key.

There are two encryption systems that use cryptographic keys: shared key encryption and public key encryption.

Ad Hoc Mode

An ad-hoc network mode is an isolated, special network mode in which data are exchanged directly among two or three wireless LAN devices. When communication is on a one-to-one basis, the mode is called peer-to-peer.

Infrastructure Mode

This is a network mode in which data is exchanged between devices connected to a LAN (Local Area Network) via wireless LAN access points.

Channel

Channels are single portions of a radio frequency band which can be used with a wireless LAN. The band is subdivided into 14 divisions or 11 divisions (called channels).

Wireless LAN

In the LAN connections of a wireless LAN, the wireless LAN comprises wireless LAN cards that are installed in each of the PCs, and wireless LAN access points which are the other party for exchanged radio waves.

Wireless LAN access point

This is the connection destination of a wireless LAN device for making connection to the LAN using the infrastructure mode. It corresponds to the hub of a wired LAN. Each individual access point is identified by an identifier (name) called an SSID. Wireless LAN devices use the SSID to specify a particular access point to which they will connect.

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