EPSON

EasyMP™ Operation Guide

Multimedia Projector

EMP-1815

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Projecting Images from a Computer via a Network

This chapter explains the operation method when EMP NS Connection is started up. The connection procedure is for both "Quick Connection Mode" and "Advanced Connection Mode".

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Advanced Connection Mode 5

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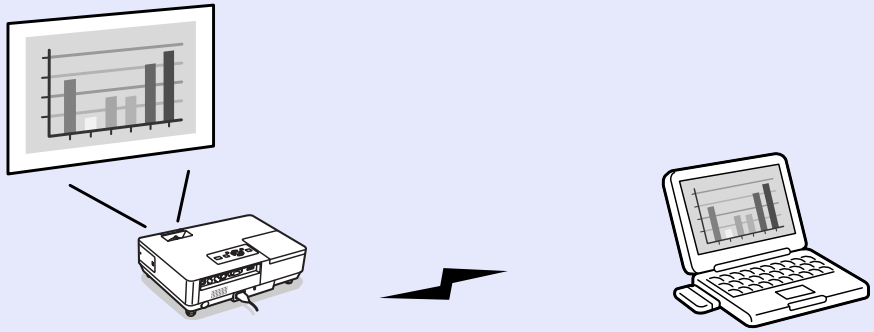
Quick Connection Mode and Advanced Connection Mode

There are two methods of connecting the projector and a computer with a wireless LAN, "Quick Connection Mode" and "Advanced Connection Mode".

Quick Connection Mode

In Quick Connection Mode the projector and a computer can be connected easily without making any complex network settings.*
Use Quick Connection Mode when you want to connect quickly with a wireless LAN.



Quick Connection Mode uses an ad hoc connection (a connection among computers with a common ESSID) to connect. You can connect to a computer equipped with either of the following.

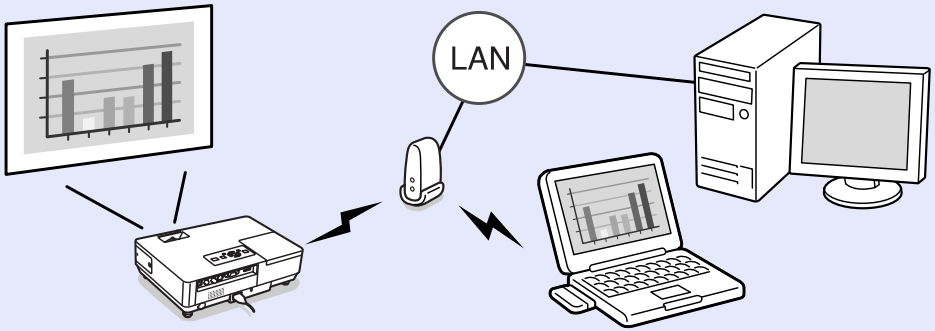
- Wireless LAN card
- Computers with a built-in wireless LAN function

See the *Wireless LAN Quick Connection Guide* for details on connecting using Quick Connection Mode.

* In Quick Connection Mode, because the projector's ESSID is temporarily assigned to the computer, you do not have to make any setup operations from the computer. After it has been cut off, the computer's network settings automatically return to their original condition.

Advanced Connection Mode

In Advanced Connection Mode, you can connect to the network system via a wireless LAN access point.
Use Advanced Connection Mode when you want to connect as part of a network system or take security measures.



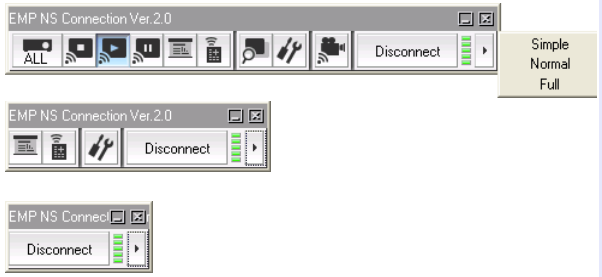
For details on connecting in the Advanced Connection Mode, see "Wireless LAN Connection in the Advanced Mode" ☛ p.19.

Using the Toolbar

The toolbar is displayed when EMP NS Connection is started up and the connection is made with the computer.

Icon Names and Functions

	Select target projector	Displays the "Select target projector" dialog box. Deselect the check box for the projector you do not want to operate.
	Stop	Stops projection of computer images while connecting to the projector. While projection is stopped, a black screen is projected. Also, pause is canceled.
	Show	The projector starts to project the computer image. Also, stop or pause is canceled.
	Pause	Pauses projection of computer images when connected to the projector.
	Presentation Mode	In this mode, only PowerPoint slideshow images are projected by the projector.
	Projector control	Displays the Projector control screen. You can perform "A/V Mute", "Switch PC Source", and "Switch Video Source" from the Projector control screen.
	Preview	Displays the multi-screen preview screen.
	Set options	Transmission performance during the transfer of computer images can be adjusted.
	Movie Sending Mode	Displays the screen for selecting the destination projector for Play Movie. Only one projector can project movies.
Disconnect	Disconnect	Disconnects the connection to the projector.

	Wireless indicator	This is displayed when the connection is made in the "Quick Connection mode". This displays the ESSID signal strength. The stronger the signal strength is, the number of lit indicators increases.
	Switch toolbar display	When a connection is made in the "Quick Connection Mode", the toolbar display can be switched to "Full", "Normal" and "Simple" in order from the top as follows. 

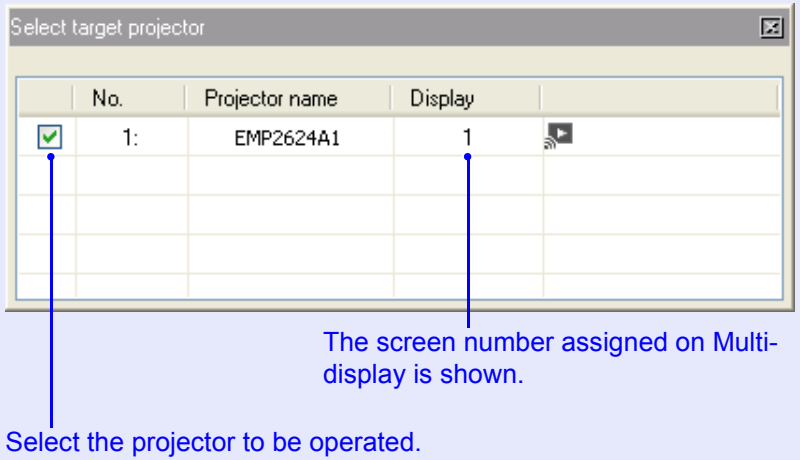
Selecting the Projector to be Operated

You can select which projector to operate when connected to multiple projectors. When the "Select target projector" screen is opened, all currently connected projectors can be selected as a target projector.

Procedure

1. **Click the ("Select target projector") button.**
   The "Select target projector" screen is displayed.

2. **Select the checkbox for the projector to be operated.**



3. **Click the " " in the top right of the screen to close the "Select target projector" screen.**

Stopping, Pausing, and Resuming Projection

You can stop, pause, and resume projection of computer images when connected to the projector.

Procedure

1. **Select the projector to be operated.** ☛ p.7

2. **Click one of the following.**
   "Stop" button: Stops projection of the computer image.
   "Show" button: Starts projection of the computer image.
   "Pause" button: Pauses projection of the computer image. The image at the point it was paused is projected.

Projecting Only a PowerPoint Slide Show (Presentation Mode)

In Presentation Mode, only when performing a PowerPoint slide show on a computer, the images are displayed. This is useful when you only want to display the slideshow. Keynote is compatible with the presentation mode in Macintosh.

Procedure

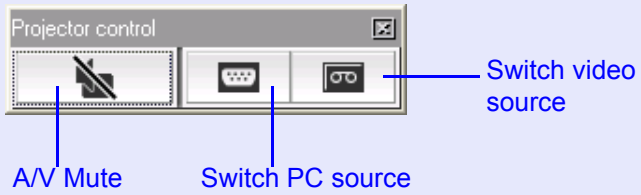
1. **Select the projector to be operated.** ☛ p.7
2. **Click the ("Presentation Mode") button.**
   Presentation Mode begins.
3. **When in Presentation Mode, click the button again to exit Presentation Mode.**

Switching A/V Mute and Sources

When projector control is set, the projector's "A/V Mute" and "Source change" functions can be operated from a computer without using the remote control or the projector's control panel.

Procedure

1. **Select the projector to be operated.** ☛ p.7
2. **Click the ("Projector control") button.**
3. **Click "A/V Mute", "Switch PC source", or "Switch video source".**



A/V Mute	This temporarily turns off video and sound from the projector. Movies are not resumed from the scene where they are turned off.
Switch PC source	This switches to the image input from a computer connected to the projector's computer input port. It also switches EasyMP images.
Switch video source	This switches to the image input from equipment connected to the projector's video input or S-video input port.

Projecting Movies from a Computer (Movie Sending)

You can project movie files on the computer by the projector. You can project MPEG (MPEG2) files (.mpg, .mpeg). Movie Sending (movie transfer) is performed to one projector. You cannot perform Movie Sending to two or more projectors simultaneously. Also, depending on the communication method and the electromagnetic wave situation, the image and sound may skip or come to a stop.

Procedure

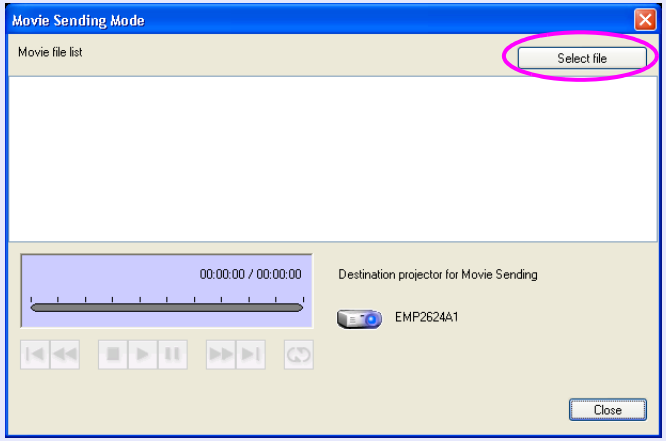
1 Click the ("Movie Sending Mode") button.

The projector selection screen is displayed.

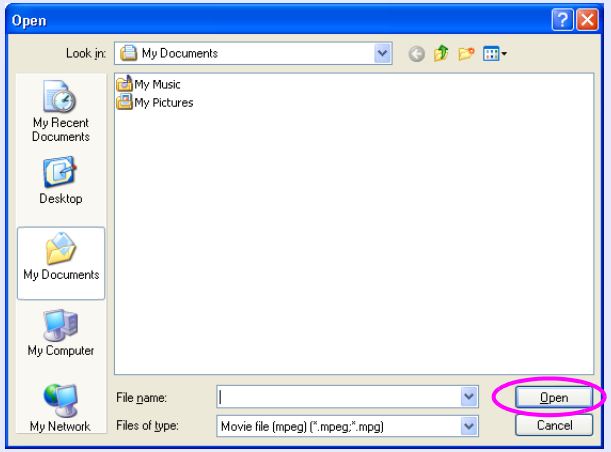
2 Select the destination projector for Movie Sending and click the "OK" button.

Displays the Movie file list screen.

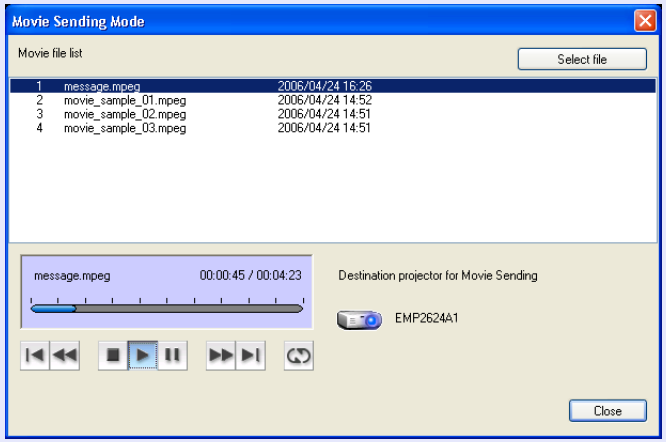
3 Click the "Select file" button.



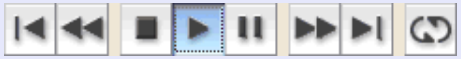
4 Select the movie file you want to play back and click the "Open" button.



It returns to the Movie file list screen. The file you selected is added to the movie file list.



5 Use the operation buttons below to play and stop the movie files.

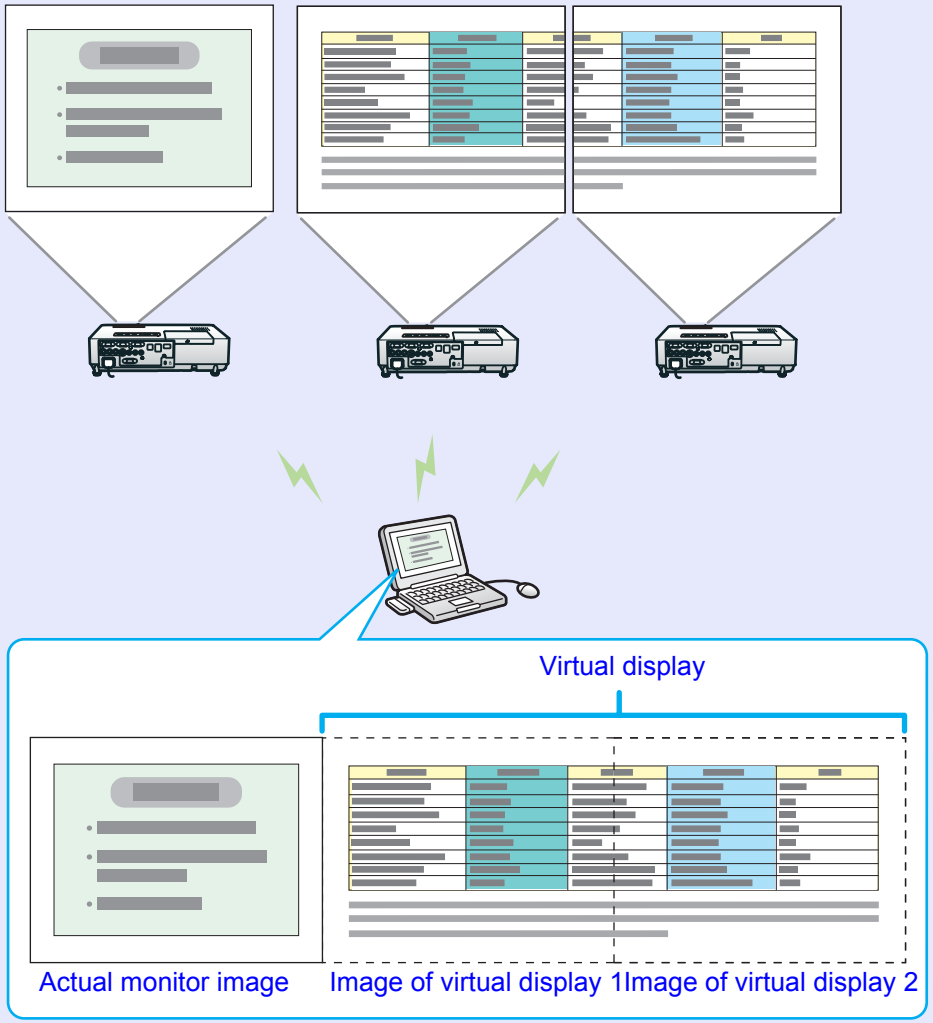


	Plays back from the beginning of the file that is playing.
	Quickly rewinds the file that is playing.
	Stops play back.
	Plays back the file.
	Pauses play back.
	Quickly fast-forwards the file that is playing.
	Plays back from the beginning of the next file.
	Plays back the file list one at a time and repeats.

6 Click the "Close" button to end movie play back.

Using Multi-Screen Display

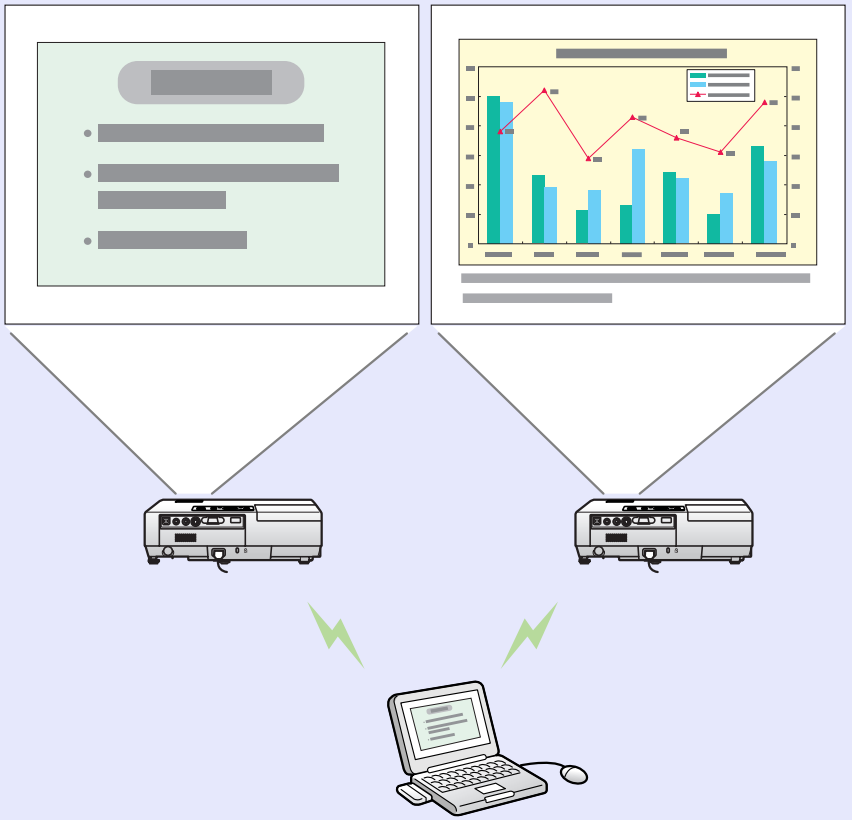
When using Multi-screen display, multiple virtual displays can be set in the computer, and each image can be projected by the projector.



Example of Adjusting the Virtual Display

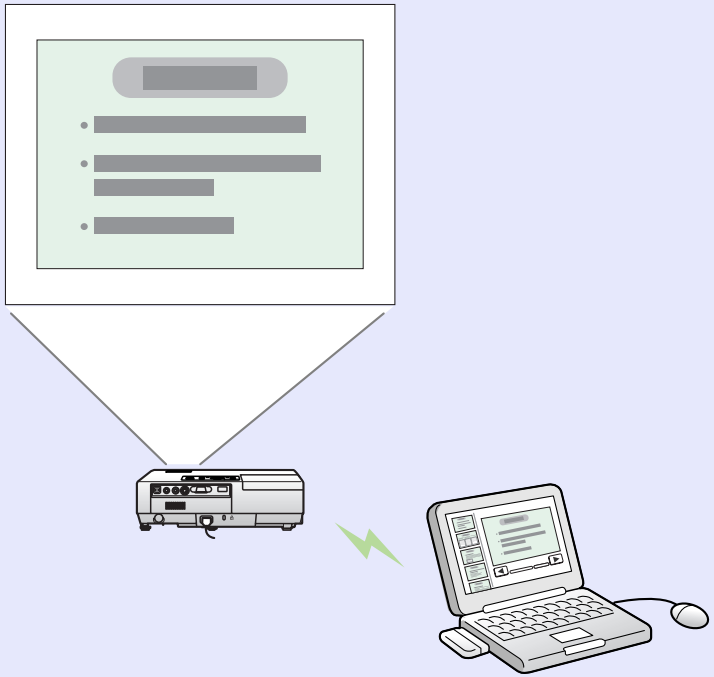
By arranging the virtual display allocation, you can project only the image that you want to show when making a presentation or project different images from left to right.

Arrangement example 1



Actual monitor	PowerPoint file
Virtual display	Excel file

Arrangement example 2



Actual monitor	Scenario
Virtual display	Slide show using a PowerPoint file

Procedure before using the Multi-screen Display Function

1. **Setting a Virtual Display Arrangement (Computer Settings)** ☛ p.13

   Set the virtual display arrangement at the "Display Properties" setting.

2. **Allocating the Computer Image** ☛ p.14

   The computer image can be previewed on the computer's screen after it is allocated. ☛ p.15

3. **Connecting to the Projector** ☛ p.15

- *For Macintosh, a monitor needs to be connected to a computer to use the multi-screen display function. For Windows, even if a monitor is not connected, you can set a virtual display by installing the virtual display driver prepared in EMP NS Connection.*
- *For Windows, when the real monitor is connected as a secondary monitor, the image for that screen cannot be projected.*
- *You can adjust the projectorís colour tone. ☛ User's Guide "Adjusting Colour for Several Projectors (Multi-Screen Colour Adjustment)"*

Setting a Virtual Display Arrangement (Computer Settings)

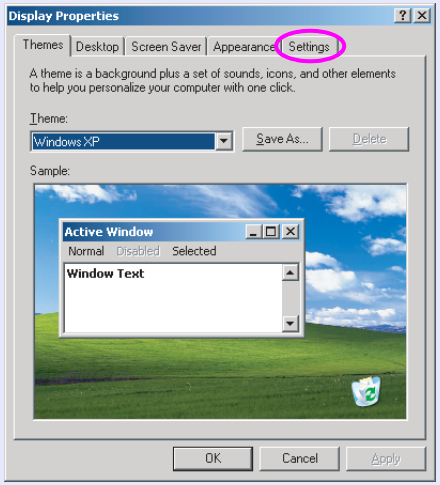
The following explains how to set the virtual display arrangement using the arrangement example 1 on page 11. To set the virtual display arrangement, "EPSON Virtual Display" must be installed. ☛*Wireless LAN Quick Connection Guide*

Procedure

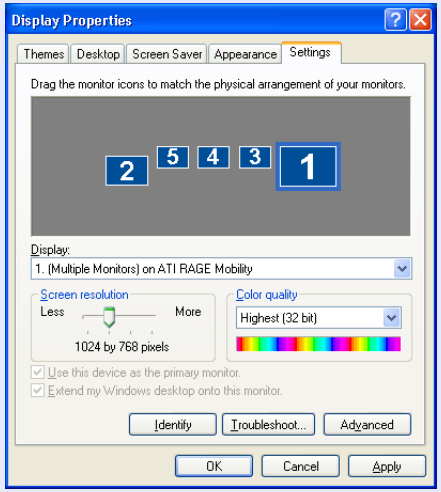
For Windows

1 **Start Windows on the computer, then select "Start" - "Control Panel" - "Display".**

2 **Select the "Settings" tag in the "Display Properties" screen.**

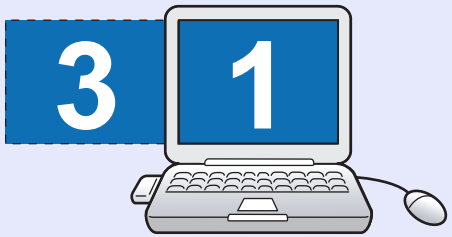


3 **Drag the monitor icon to arrange the position.**



4 **Right-click the monitor icon and select "Attached".**

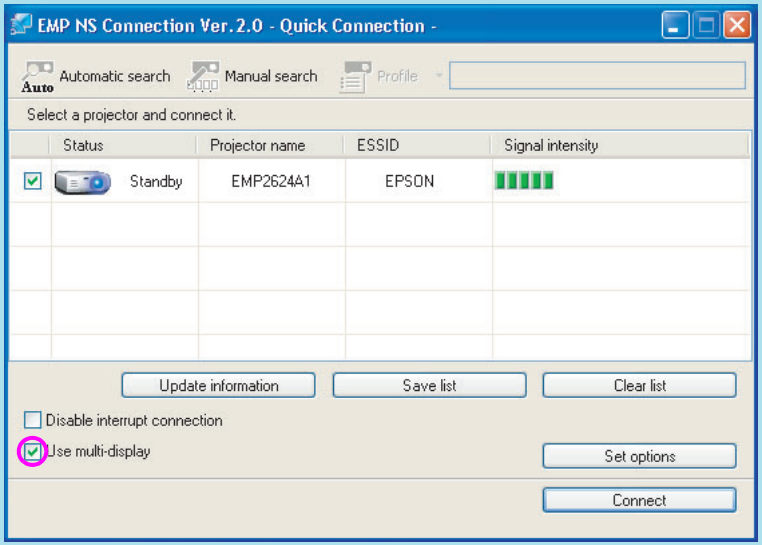
Right-click "Monitor 3" and select "Attached". The virtual display connection shown in the following illustration is possible.



For Macintosh

Select "Displays" from the "System Preferences" screen.

When EMP NS Connection is started, the following screen is displayed.



Select the "Use multi-display" check box, and click "Display properties". The "Screen properties" screen is displayed.

Allocating the Computer Image

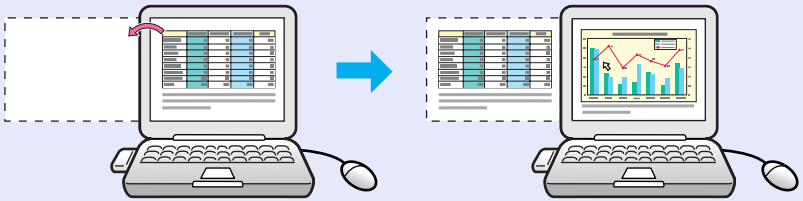
Allocating the Computer Image

The following explains how to allocate the computer image using the arrangement example 1 on page 11.

Procedure

1. **Start up the PowerPoint file and Excel file that you want to project.**

2. **Drag the image to the desired monitor, and allocate it where the image is to be projected.**



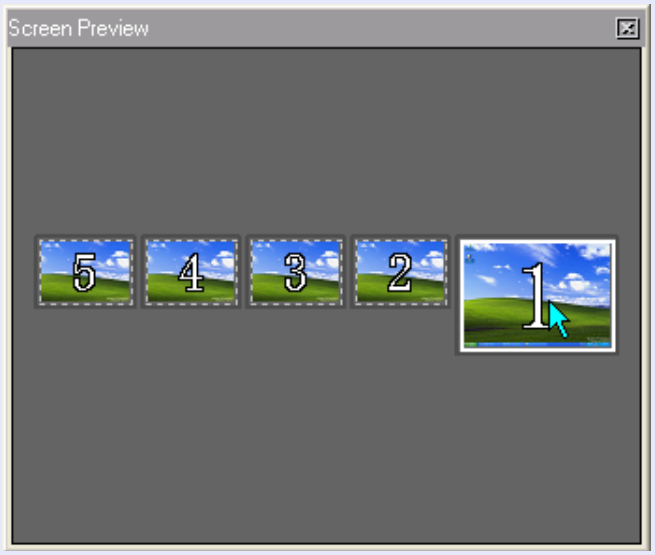
Checking the Allocated Image (Preview Display)

You can preview the arrangement status of the preset virtual displays.

Procedure

1 **Click the ("Preview") button on the EMP NS Connection toolbar.**

The display arrangement is displayed in preview.



2 **When each screen is clicked, it is expanded to fill the Screen Preview window.**

Projecting Images with Preset Allocation

The following explains how to connect the projector using the arrangement example 1 on page 11.

Procedure

For Windows

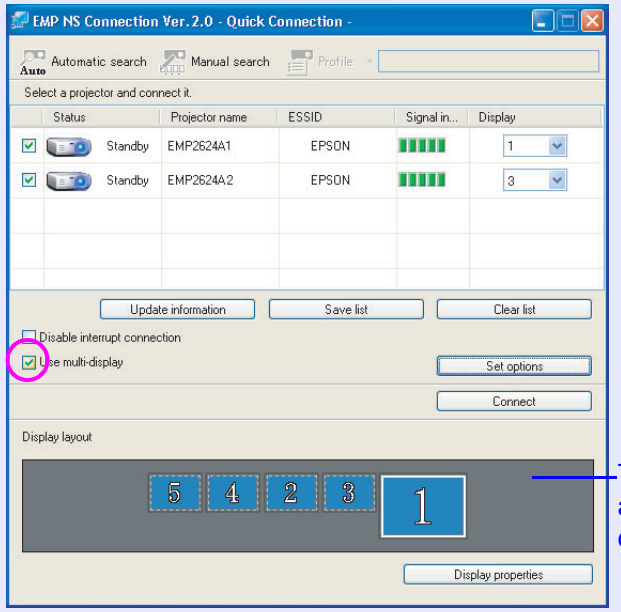
1 **Start Windows on the computer, then select "Start" - "Programs" (or "All Programs") - "EPSON Projector" - "EMP NS Connection".**

For Macintosh

Double-click the "Applications" folder of the hard drive volume in which EMP NS Connection is installed, and then double-click the EMP NS Connection icon.

2 Select the "Use multi-display" check box.

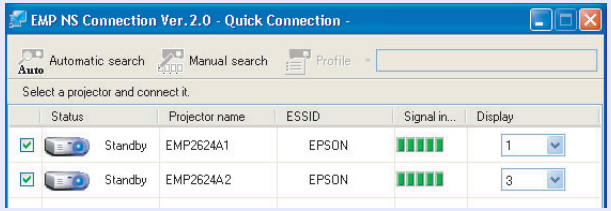
"Display layout" and "Display properties" buttons are added at the bottom of the screen. Click the "Display properties" button to adjust the display.



The display arrangement is displayed here.

Display layout	You can display the arrangement set on the computer's "Display properties" screen. The arrangement cannot be changed here. Click the "Display properties" button to change the arrangement.
Display properties	You can display the "Display properties" screen and change the settings.

3 Select the number of the virtual display to allocate to "Display", and set which image to be projected from which projector.



4 Click the "Connect" button.

The image allocated to each projector is projected.

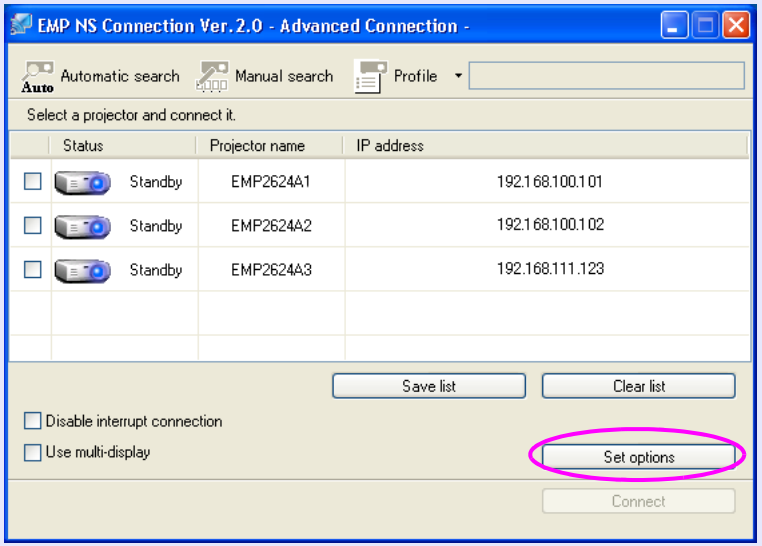
Setting the EMP NS Connection Environment

You can set the environment, such as the processing method, when EMP NS Connection is started.
Call the option settings from the EMP NS Connection's main screen.

Procedure

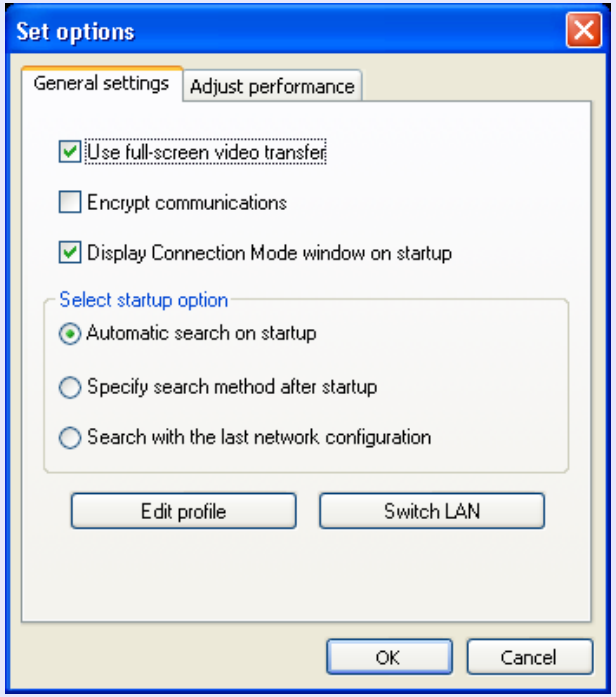
1 Click the "Set options" button on the EMP NS Connection's main screen.

The configuration settings screen is displayed.



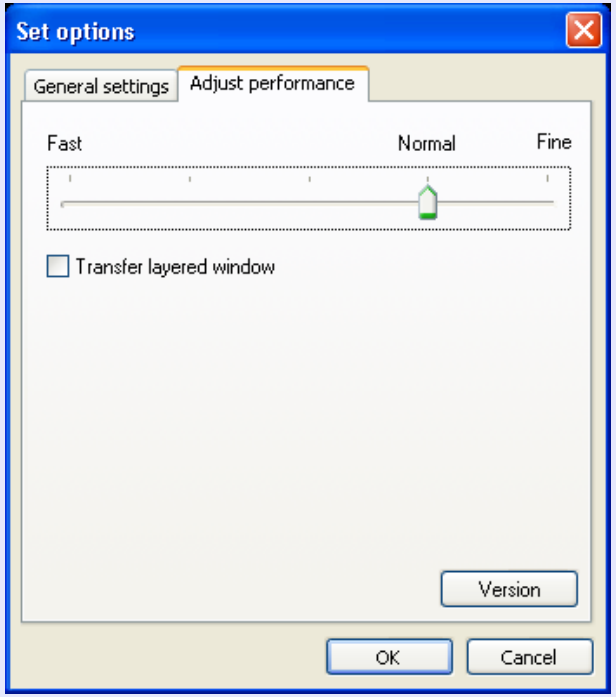
2 Set each of the items.

General settings Tab



Use full-screen video transfer	For Windows only When displaying Windows Media Player in full screen, select the "Use full-screen video transfer" checkbox. Do not select the checkbox if you feel that movements are not smooth.
Encrypt communications	Encode and transmit data. Eve if the data is intercepted, it cannot be deciphered. Be sure to select the "Encrypt communications" checkbox.
Display Connection Mode window on startup	Set whether or not the "Quick Connection Mode"/ "Advanced Connection Mode" screen is displayed when EMP NS Connection is started. When the startup method is already determined, do not select the "Display Connection Mode window on startup" checkbox.
Select startup option	Select one of the following methods to search the projector that is to be performed when EMP NS Connection is started. "Automatic search on startup" "Specify search method after startup" "Search with the last network configuration"
Edit profile	The "Edit profile" dialog box is displayed. ☛ p.30
Switch LAN	For Windows only The "Switch LAN" dialog box is displayed. You can specify a change of the network adapter (NIC) to use.

Performance Adjustment Tab



Adjust performance	The performance can be adjusted from "Fast", "Normal", and "Fine". Set to "Fast" when movie projections are interrupted.
Transfer layered window	For Windows only Set whether or not to transfer a layered window. The layered window is in use when contents such as messages displayed on the computer are not projected by the projector. Select this checkbox to display them on the projector.

When you click on the toolbar, only the performance adjustment tag is displayed.

Wireless LAN Connection in the Advanced Mode

This chapter explains how to connect a computer to the projector via a wireless LAN access point on an existing network system.

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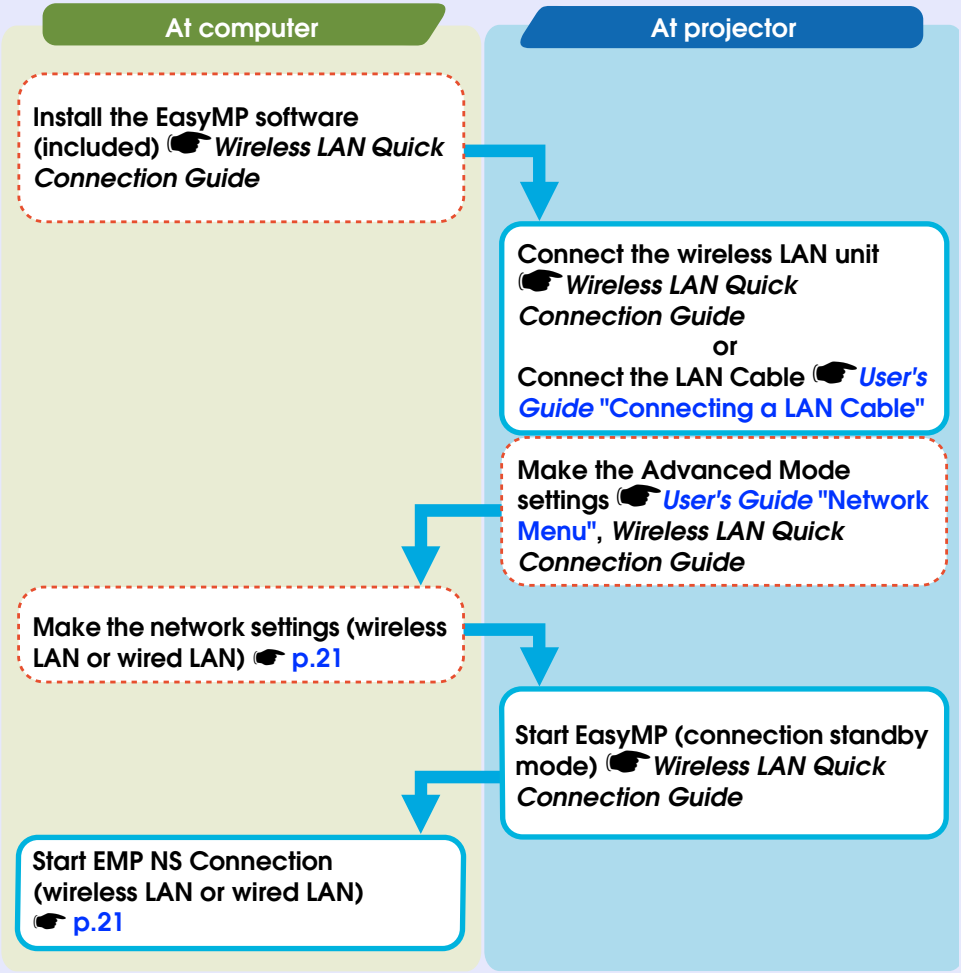
As well as projecting images from a computer via a network, you can also monitor and control the status of the projector from a computer by connecting in the advanced mode.

- Mail Notification Function
  By using the mail notification function, notification messages will be sent to preset e-mail addresses when a problem occurs with a projector. ☛"Using the Mail Notification Function to Report Problems"

- SNMP Function
  By using the SNMP function, notification messages will be sent to preset computers when a problem occurs with a projector.
  ☛ "Management Using SNMP"

- Monitoring and Control Using EMP Monitor
  By using "EMP Monitor" contained in the supplied "EasyMP Software" CD-ROM, the status of multiple EPSON projectors on a network can be displayed for confirmation on a computer monitor or multiple EPSON projectors can be controlled from a computer.
  ☛ *EMP Monitor Operation Guide*

Connection Procedure



Putting the Computer into Network Connection Status

To use a computer on a network LAN you need to make certain settings. If the settings have already been made, the following settings are not necessary.

For Windows

Make connection settings for the computer by using the utility software supplied with the LAN card. For more information on the utility software, see the user's guides supplied with your LAN card.

For Macintosh

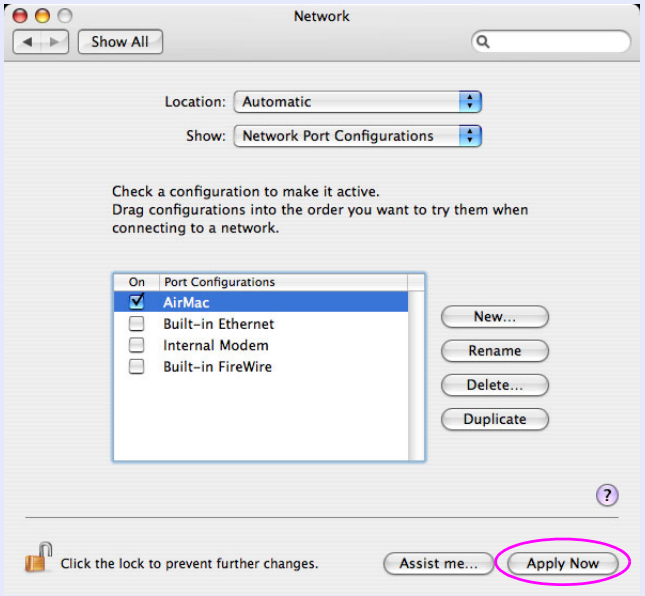
This section explains how to make settings for the connected port.
For more details on setting the network port (setting the network), see the user's guides for your computer and the AirMac card.

Procedure

1 From the Apple menu, select "System Preferences" - "Network".

The network settings screen is displayed.

2 Select the port used in "Port Configurations" and click "Apply Now".



3 Close the screen.

Starting EMP NS Connection from the Computer

In the following explanations, unless otherwise noted, Windows screen shots are used.
You see a similar screen even when using Macintosh.

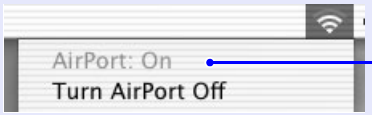
Procedure

For Windows

Select "Start" - "Programs" (or "All Programs") - "EPSON Projector" - "EMP NS Connection".

For Macintosh

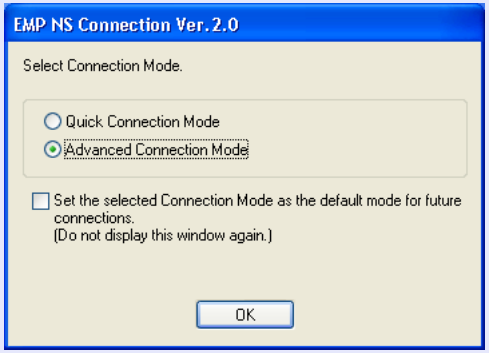
1. **Click the communication icon at the top right of the computer screen, and check that the following is displayed.**



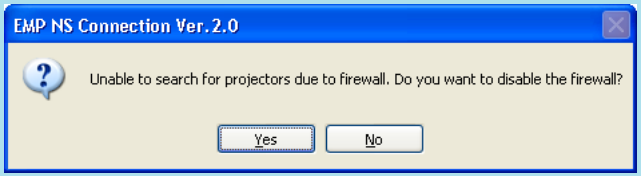
AirPort: On
You can connect with a Wireless LAN.

2. **Double-click the "Applications" folder of the hard drive volume in which EMP NS Connection is installed, and then double-click the EMP NS Connection icon.**

EMP NS Connection starts.



- ***If the following screen is displayed during startup, click the "Yes" button.***

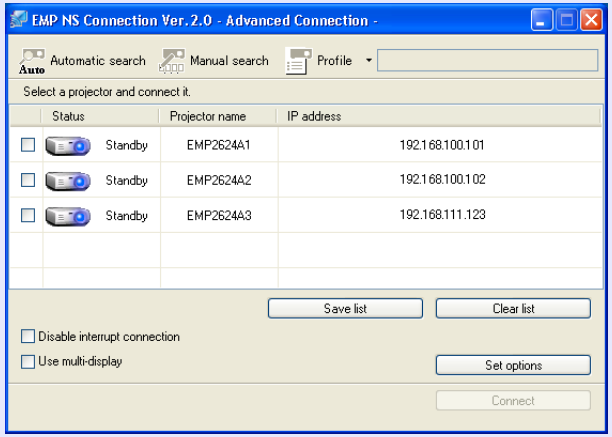


When you click "Yes", a firewall exception is created for EMP NS Connection and it can then be used.

- ***If EMP NS Connection is started while PowerPoint is running, the message "If PowerPoint is not restarted you may not be able to execute a slide show." is displayed. In this case you need to close PowerPoint and reopen it after starting EMP NS Connection.***

EMP NS Connection screen

When EMP NS Connection is started, the following screen is displayed.



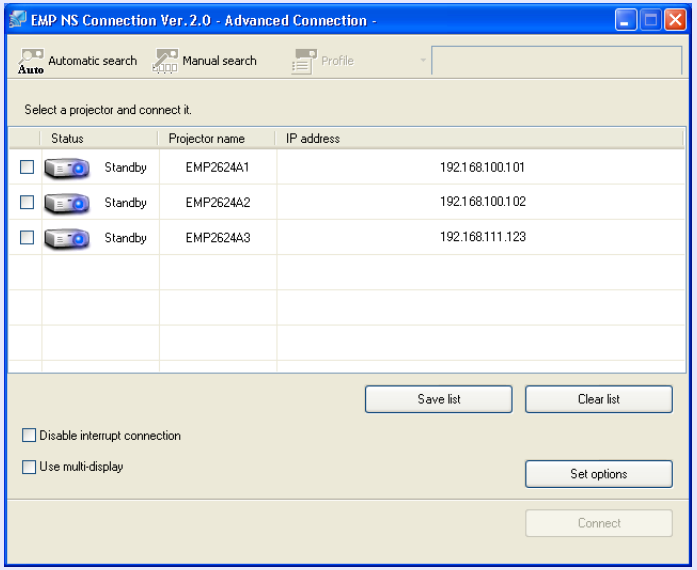
Automatic search	You can search for available projectors on the network system that the computer is connected to.
Manual search	You can search for the specified projector's IP address or the projector's name.
Profile	You can search by using information (Profile) previously saved.
Save list	You can save the projector information displayed as a Profile. Profile☛ p.27
Clear list	You can clear the list displayed.
Disable interrupt connection	Select this to prevent other computers connecting.
Use multi-display	Select this when using Multi-screen display function. When this is selected, "Display layout" and "Display properties" are displayed at the bottom of the screen. Multi-screen display ☛ p.11

Connecting to the Projector

Procedure

1 Click "Automatic search".

The projector's search results are displayed.
When the projector you want to connect to is not displayed
☛ p.25



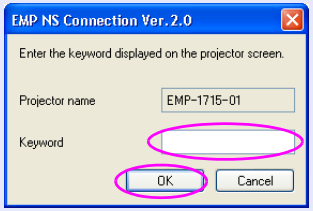
Automatic search: This searches for all projectors currently connected to the network.
Manual search: This searches for a specific projector.
Profile: This searches for a projector using a previously saved profile.

2 **Select the projector you want to connect to. You can connect up to four projectors at the same time.**

3 **Click the "Connect" button.**

- *When you select a projector that is connected to another computer, the computer that it was connected to is cut off, and the image of the computer connecting now is projected.*
- *After connecting, you cannot add another projector to be connected.*

4 **When "Projector Keyword" is set to "ON", enter the projector's keyword when the projector's EasyMP screen is displayed and click the "OK" button.**



A computer and the projector are connected via a network and the computer's screen is displayed.
The EMP NS Connection toolbar is displayed on the computer screen. Use this toolbar to operate the projector, make settings, and disconnect the network connection.
For details on using the toolbar, see "Using the Toolbar" ☛ p.6.

- *When continuously connecting from another computer, for example, with different presenters, start EMP NS Connection on the computer to be used and make a connection. The connection to the computer that is currently connected is cut off, and the connection is made to the computer that is trying to connect now.*
- *When projecting computer images by using Network Presentation, see "Connection Limitations"* ☛ *p.75* *for details on restricted items, such as compatible resolution and display colour.*

When the Projector you want to Connect to is not Displayed

For reasons such as the following, there are times when the projector you want is not displayed in the EMP NS Connection's projector selection screen.

- The electromagnetic waves for the wireless LAN are out of range or weak.
- The network's subnet is different.

In this case you can search by using "Manual Search" or "Profile".

You can search by specifying the projector's IP address or the projector's name when using "Manual search" in Advanced Connection Mode.
Also, information for the projector that is frequently used (such as the IP address) can be saved as a profile and you can search for the projector by specifying the information. ☛ p.29

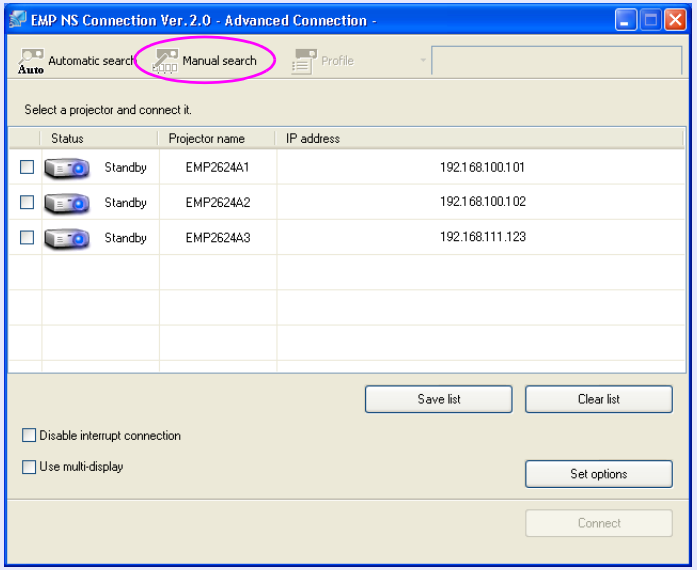
- ***When you use "Manual search" in Quick Connection Mode, you can specify the ESSID. When there are a lot of projectors you can narrow the search field by using ESSID.***
- ***When the target projector is not displayed, it may be set to "AirPort: Not inserted", or an appropriate access point may not have been selected.***

In the following explanations, unless otherwise noted, Windows screen shots are used.
You see a similar screen even when using Macintosh.

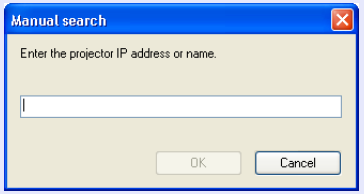
Searching by Specifying the IP Address and Projector Name (For Advanced Connection Mode)

Procedure

1 **Click "Manual search" on the EMP NS Connection's projector selection screen.**



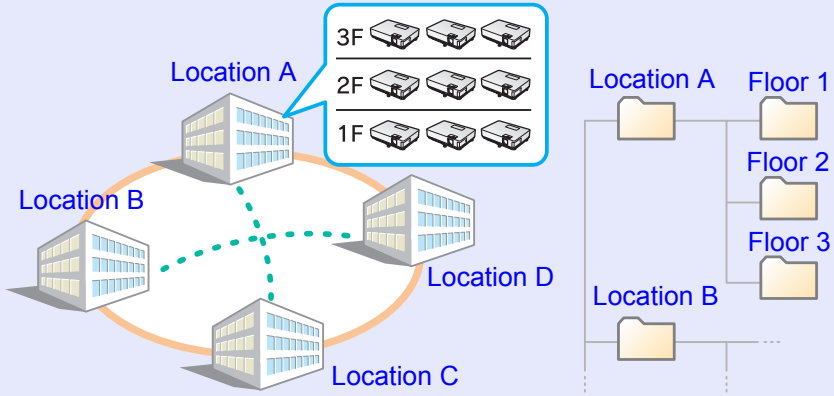
2 **Enter the IP address or the projector name for the projector you want to connect to, and click the "OK" button.**



Projector information is added to the EMP NS Connection's projector selection screen.

Registering a Profile for a Projector that is Used Frequently

You can save projector information (projector name, IP address, and ESSID) as a profile. By creating a group of files for each place where a projector is setup and managing them with folders, the target projector can be found quickly.
This section explains how to create and edit a profile.

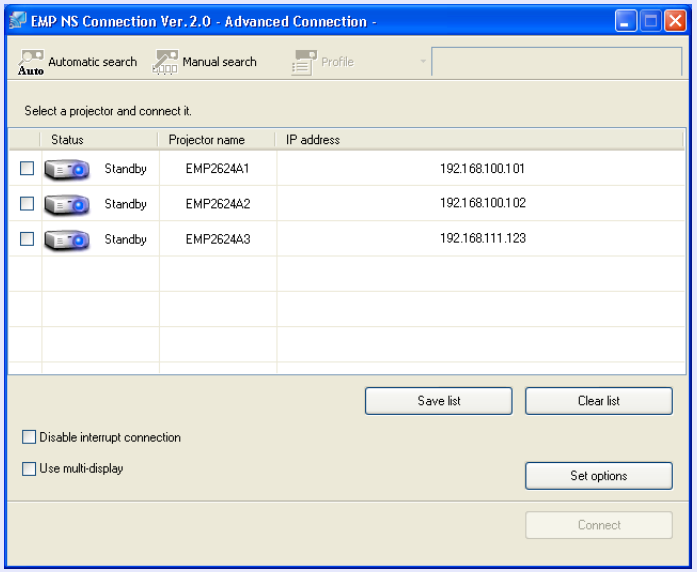


Making a Profile

Profiles are made by saving searched results. You can manage profiles by creating a folder. For more details on editing the hierarchy, see "Managing a Profile" ☛ p.29.

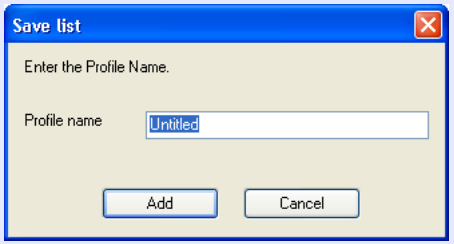
Procedure

1 When the projector is displayed on the EMP NS Connection's projector selection screen, click "Save list".



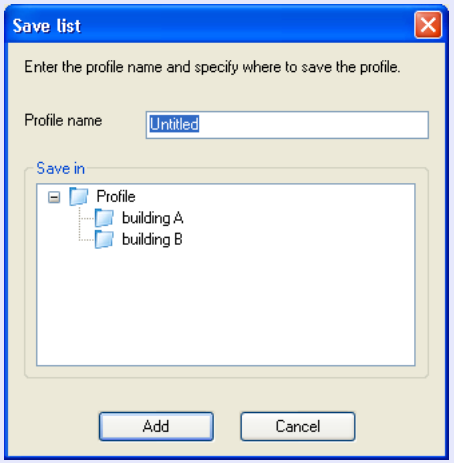
The "Save list" screen is displayed.

2 Enter a profile name and click the "Add" button.

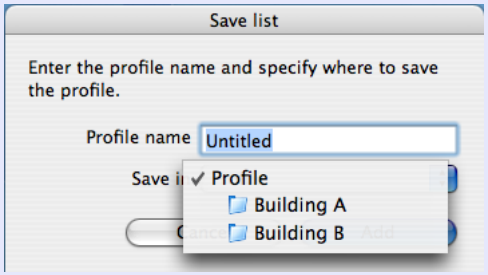


After entering the profile name and selecting the save destination, click the "Add" button because the following screens are displayed when a profile has already been created.

For Windows



For Macintosh



Projector information is registered in the profile

You can make and save folders under "Profile Summary". For instructions on making a folder, see "Managing a Profile" ☛ *p.29*.

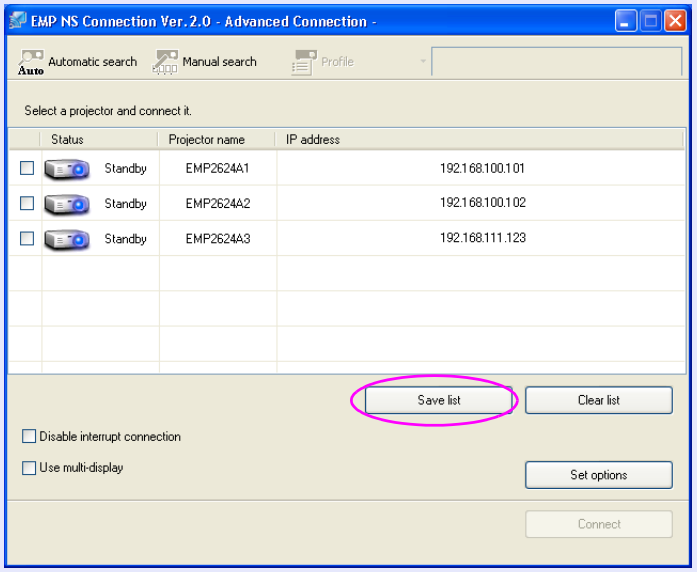
Searching by Specifying a Profile

You can search by specifying the profile you created.

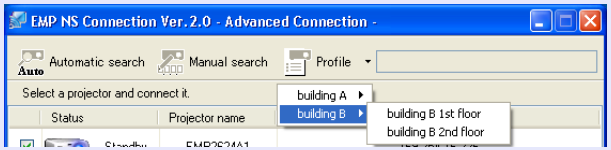
Procedure

1 Click "Profile" on the EMP NS Connection's projector selection screen.

If no profile is registered, you cannot select "Profile".



2 From the menu that is displayed, select the projector you want to connect to.



Projector information is added to the EMP NS Connection's projector selection screen.

Managing a Profile

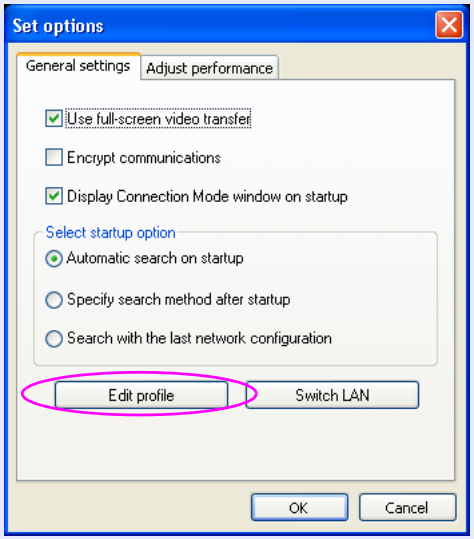
You can change the name and the hierarchical structure of the profile.

Procedure

1 Click the "Set options" button on the EMP NS Connection's main screen.

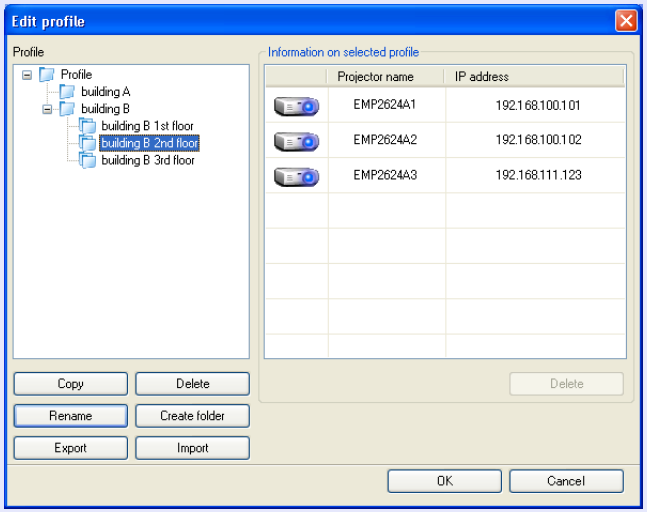
The configuration screen is displayed.

2 Click the "Edit profile" button.



The profile management screen is displayed.

3 Edit the contents registered in the profile.



: Indicates a folder.
: Indicates a profile.

Profile	You can display the registered profile. You can manage it by creating a folder. You can change the order of the profile or the folder by dragging & dropping.
Copy	You can copy the profile. The copied profile is saved in the same folder as the original with the same name.
Delete	You can delete the profile and the folder.
Rename	You can display the rename dialog box and rename the folder or the profile. You can enter up to 32 characters in the rename dialog box.
Create folder	You can create a new folder.

Information for the selected profile

You can display the projector information registered in the selected profile.
When you select the icon for the projector to be operated you can move, copy, register, and delete the icon.

Information on selected profile	You can display the projector information registered in the profile.
Delete	You can delete the projector information. When all projector information is deleted, the profile is also deleted.

4 **Click "OK".**

Save and close the profile management screen.

Wireless LAN Security Countermeasures

One of the advantages of using a wireless LAN is that it is possible to communicate easily if you are within the range of the electromagnetic waves, because with a wireless LAN data is exchanged through electromagnetic waves.
On the other hand, since electromagnetic waves extend through obstacles such as walls, the content of the communication can be intercepted, and the network can be breached without using any special tools if security is not set.
To prevent these problems, the following security functions have been provided.

- Data encryption
  Encode and transmit data. Even if data is intercepted, it cannot be deciphered.
- Connection limitation (Authentication)
  A users name and a password are registered in advance, which means that only the registered wireless port can connect to the network and prevents unauthorized third parties from connecting to the network.
- Firewall
  Prevents unauthorized computer access by closing ports that are not used.
  The security functions that can be used with this projector vary depending on the connection mode of the wireless LAN.
  Use the firewall function provided with your OS.

For Quick Connection Mode	Encrypted communication ☛ p.18
For Advanced Connection Mode*	Encrypted communication ☛ p.18 WEP, WPA-PSK (TKIP), WPA-PSK (AES), EAP TLS, EAP-TTLS/MD5, EAP-TTLS/MS-CHAPv2, PEAP/MS-CHAPv2, PEAP/GTC, LEAP, EAP-Fast/ MS-CHAPv2, EAP-FAST/GTC ☛*User's Guide* "Network Menu (EMP-1815 Only)"

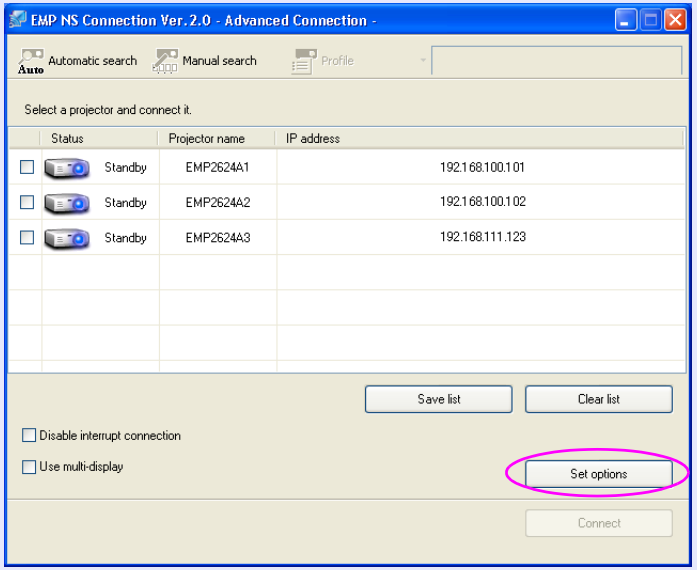
* Only effective when the access point for the connection destination support the same function.

Using Encrypted Communication

You can specify whether or not to encrypt communication.

Procedure

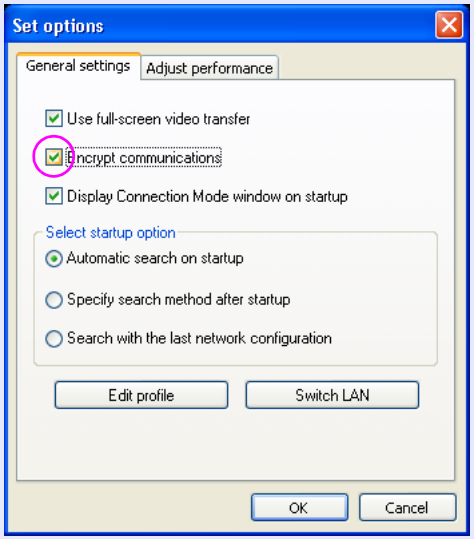
1 **Click the "Set options" button on the EMP NS Connection's main screen.**



The Set options screen is displayed.

2 **Click the "General Settings" tab.**

3 **Select the "Encrypt communications" checkbox.**



4 **Click the "OK" button.**

Using a Computer to Set Up, Monitor and Control Projectors

This chapter describes how to use a computer that is connected to the network to change projector settings and to control the projector.

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Changing Settings Using a Web Browser (Web Control)

You can set up and control the projector from a computer by using the Web browser of a computer that is connected to the projector via a network. Setup and control operations can be performed remotely if this function is used. In addition, since you can use the computers keyboard, entering characters required for the setup is easier.
Use Microsoft Internet Explorer 6.0 or later as the Web browser. If using a Macintosh, you can also use Safari. However,
if using Safari under Macintosh 10.2.8, some of the Web control radio buttons may not display properly.

> ***Setup and control with a Web browser are possible if set to "Network ON" in the "Extended" menu of the projector's configuration menu, even if the projector is in standby mode (when the power is off).***

Displaying Web Control

Display Web control with the following procedure.

> ***If your Web browser is set up to connect via a proxy server, Web control cannot be displayed. To use the Web control, you need to make network connection settings with other than a proxy server.***

Entering the IP address of the projector

Web control can be opened by specifying the IP address of the projector as follows when connecting using the optional Ethernet unit or when using Advanced Connection Mode of a wireless LAN.

Procedure

1. **Start the Web browser on the computer.**
2. **Enter the IP address of the projector in the address bar of the Web browser, and press the [Enter] key on the computer's keyboard.**
   Web Control is displayed.

Projector Setup

You can set items that are usually set in the projector's configuration menu. The contents set are reflected in the configuration menu.

Items in the configuration menu that cannot be set by the web browser

All items in the configuration menu can be set with the exception of the following items.

- "Settings" - "Pointer Shape", "EasyMP Audio Out"
- Registering a user's logo using "Extended" - "User's Logo"
- "Extended" - "Operation" - "High Altitude Mode"
- "Extended" - "Link21L", "Language"
- "Reset" - "Reset All", "Reset Lamp Hours"

The items available on each menu are the same as the configuration menu of the projector.
☛*User's Guide* "List of Functions"
☛*User's Guide* "Network Menu (EMP-1815 Only)"
The "MAC Address" is not displayed.

Transferring or Writing Files to Memory Card from a Network

Files on a computer can be written to or deleted from a CompactFlash card inserted in the projector using an FTR server.
The following explains how to write files to a CompactFlash card.

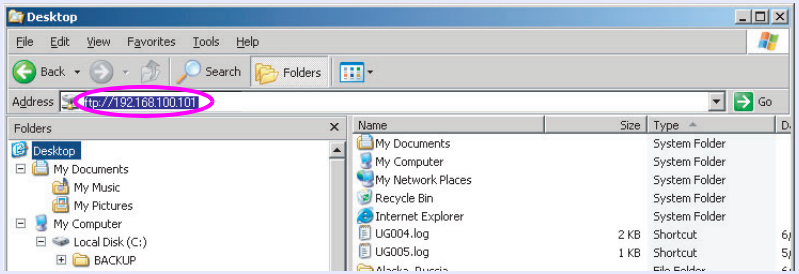
Procedure

Perform file operations to a CompactFlash card when the EasyMP standby screen (☛ p.44) is displayed.

For Windows

1 **Start Explorer on the computer.**

2 **Enter the IP address of the projector in the address bar of the Web browser.**



3 **Copy the target folder(s) or file(s) to the CompactFlash card.**

On Macintosh, you can use a FTP tool to make a connection.

- You can write to a CompactFlash card by connecting to the projector from Internet Explorer as well.
- Enter your user name and your password* in the dialog box which is displayed when the Web control password is set and then connect to the projector.
- Simultaneous connection can be done with one client. Multiple clients cannot make a connection simultaneously.

* Web control password

Using the Mail Notification Function to Report Problems

By setting the mail notification function from network settings in the configuration menu, notification messages will be sent to preset e-mail addresses when a problem or warning occurs with a projector. This will enable the operator to be notified of problems with projectors even at locations away from the projectors.

- ***Up to a maximum of three notification destinations (addresses) can be recorded, and notification messages can be sent to all three destinations at once.***
- ***If a projector develops a critical problem and suddenly stops working, it may not be able to send a message notifying an operator of the problem.***
- ***If set to "Network ON" in the "Extended" menu of the projectors configuration menu, monitoring can be carried out even if the projector is in standby mode (when the power is off).***

Setting Mail Notification Function

Select "Mail Setup" from network settings in the projector's configuration menu and set the mail notification function. ☛*User's Guide* "Network Menu (EMP-1815 Only)" "Mail Menu"

Also, confirm the following points.

- Network settings have been made to allow the projector and computer to connect via a wireless LAN in the Advanced Connection Mode or the optional Ethernet unit.

☛"Wireless LAN Connection in the Advanced Mode" p.19

If a Problem Notification is Sent by Mail

If an e-mail message with "EPSON Projector" in the subject line is sent to the IP addresses that have been set as mail notification destinations, the message is a notification message saying that there is a problem with the projector.

The following information will be contained in the body of the message.
Line 1: The name of the projector where the problem has occurred
Line 2: The IP address set for the projector where the problem has occurred
Line 3: Details of the problem
The details of the problem are listed line by line. The following table shows the details that are given in the message for each item.

Message*	Cause	Remedy
Internal error	Internal Error	☛*User's Guide* "Reading the Indicators"
Fan related error	Fan Error	
Sensor error	Sensor Error	
Lamp timer failure	Lamp Out	
Lamp out	Lamp Error	
Lamp cover is open.	Lamp Cover Open	
Internal temperature error	High Temp Error (Overheating)	
High speed cooling in progress	High Temp Warning	
Lamp replacement notification	Replace Lamp	
No-signal	No signal	No image signal is input to the projector. Check the connection status or check that the power for the signal source is turned on.

* A (+) or (-) will appear at the start of the message.
(+): A projector problem has occurred
(-): A projector problem has been dealt with

Management Using SNMP

By setting SNMP in the EasyMP network setting, notification messages will be sent to preset e-mail addresses when a problem or warning occurs with a projector. This is useful when controlling projectors centrally at a point distant from them.

- ***SNMP should be managed by a network administrator or someone who is familiar with the network.***
- ***The SNMP function to monitor the projector requires SNMP Manager to be installed on the computer.***
- ***The managing function using SNMP cannot be used via a wireless LAN in the Quick Connection Mode.***
- ***Up to two destination IP addresses can be recorded, so that if the notification message cannot be sent to the first IP address specified, it will be sent to the second IP address instead.***

To set SNMP, select "SNMP" from network settings on the projector's configuration menu. ☛ *User's Guide* "Network Menu (EMP-1815 Only)" "SNMP Menu"

Presentations Using PC Free

This chapter explains scenarios made with EMP SlideMaker2 and how to project image and movie files using PC Free.

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Examples and Files that can be Projected Using PC Free

You can use PC Free to project files stored in digital cameras, USB storage devices and CompactFlash cards.
The following files can be projected using PC Free.

Files that can be Projected Using PC Free

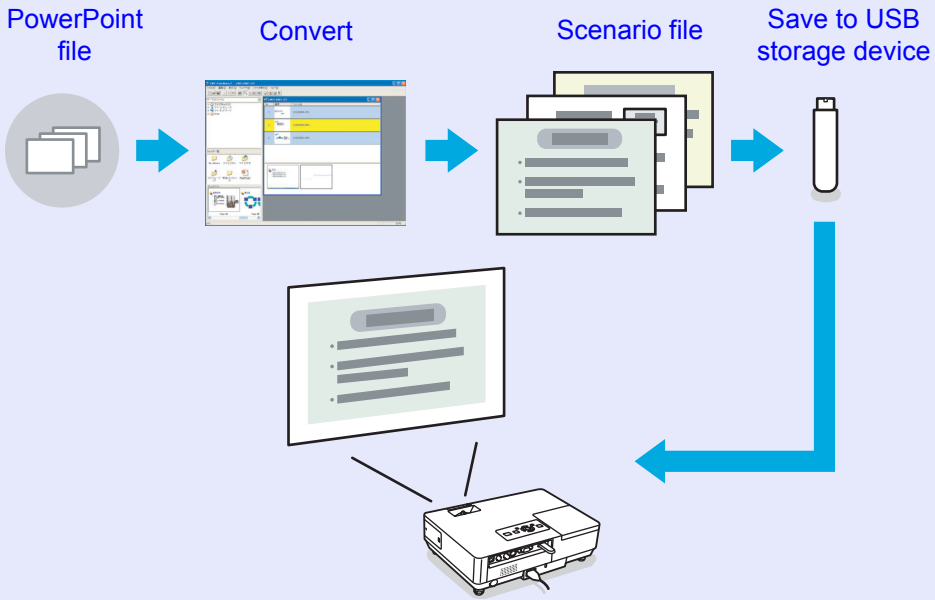
Type	File Type (Extension)	Notes
Scenario	.sit	These are scenario files created using SlideMaker2. You can convert PowerPoint files as they are or create scenarios by combining images and movie files. For instructions on creating a scenario, see ☛"Preparing a Scenario" p.48. You can also play audio (.wav) files set as BGM at the time of scenario creation. You can also project scenarios created using the EMP SlideMaker that is supplied with the EMP-1715/1710/7950/7850/765/755/745/737, ELP-735/715/505.
Image	.bmp	Cannot project images with a resolution greater than 1024 × 768.
	.gif	Cannot project images with a resolution greater than 1024 × 768.
	.jpg	Any version. However, projection is not possible for CMYK colour formats, progressive formats, and images with a resolution in excess of 8192 × 6144.
	.png	Cannot project images with a resolution greater than 1024 × 768.
Movie	.mpg	MPEG2 The reproducible audio format is MPEG1 Layer 2. Linear PCM and AC-3 audio cannot be played back. MPEG contents with no sound can be played back.
DPOF	.mrk	For DPOF version 1.10, only files named AUTPLAYx.mrk (where x is a number between 0 to 9) can be projected.

- *JPEG files with the extension ".jpeg" and MPEG files with the extension ".mpeg" cannot be projected.*
- *When projecting JPEG files, the image will not be projected clearly if compression is set too high.*
- *If you use a USB storage device with a slow access speed when playing back movies and scenarios with BGM (when transmitting at higher bit rates), the movie files may not play back correctly or the sound may skip or not be output. When using a USB hard disk, we recommend using an AC adaptor power supply.*
- *Use the following formats when formatting the media to be used.*

USB memory	*FAT16/32*
USB hard disk	*FAT16/32*

PC Free Examples

PC Free allows you to project presentation data saved to USB memory and so on as follows without using a computer.



The playback method for the file to be projected can be set as follows at conversion.

■Example 1: Convert a PowerPoint file into a scenario and project it
☛"Turning a PowerPoint File into a Scenario" p.57
☛"Projecting Scenarios" p.48

■Example 2: Prepare multiple images and project them continuously (slide show) **☛ p.51**

■Example 3: Set presentation to automatic playback (autorun)
☛"Sending Scenarios" p.68

■Example 4: Project presentation with BGM **☛ p.60**

■Example 5: Select image files and movie files one at a time and project it **☛ p.50**

PC Free lets you play back and project scenarios, image files, and movie files in USB storage devices and CompactFlash cards, and image files in digital cameras.
This section explains the basic operation of PC Free.

Starting and Closing PC Free

Starting PC Free

Procedure

1 Connect one of the following devices to the projector.

- A digital camera or a USB storage device
- USB MultiCard Reader (when a memory card is inserted)
  ☛ *User's Guide* "Connecting USB Devices"
- CompactFlash ☛ *User's Guide* "Inserting and Ejecting CompactFlash Cards"

2 Press the [EasyMP] button on the remote control and confirm that "EasyMP" is displayed on the screen.

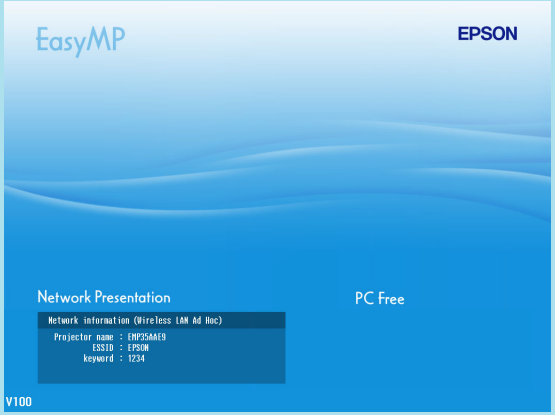
PC Free will start and display the contents of the digital camera, USB storage device or CompactFlash card.
When multiple USB storage devices are connected, multiple icons of USB storage device are displayed on the EasyMP screen. Tilt the [⊕] button on the remote control to move the cursor to the USB storage device, and then press the [Enter] button.

JPEG files and MPEG files are displayed as thumbnails (file contents are displayed as small images). Other files or folders are displayed as icons.

Files that cannot be displayed as thumbnails are displayed as the following icons.

Icon	File Type	Icon	File Type
SIT	Scenario file	JPEG	JPEG file
DPOF	Digital camera format	PNG	PNG file
MOV	Quick Time(Motion-JPEG)	CER, PEM	Electronic certificate file
MPEG	MPEG file	PFX, CRT	
BMP	BMP file	P12, P7B	
GIF	GIF file		

- *If the USB storage device contains a scenario that is set for autorun, this scenario will be played back as the highest priority. If you want to stop it from playing back, press the [Esc] button on the remote control.*
- *If the digital camera or USB storage device is not connected to the projector, the following screen is displayed. If this happens, connect a digital camera or USB storage device to display the screen shown in the previous page.*



- *Some JPEG files may be displayed as icons instead of thumbnails. In this event, a file icon is displayed.*

Closing PC Free

Procedure

1 **Tilt the [◎] button on the remote control up to position the cursor on the "Exit" button.**

2 **Press the [Enter] button on the remote control.**

PC Free shuts down and the EasyMP standby screen is displayed.

3 **After turning off the power supply to the digital camera or the USB storage device, disconnect it from the projector's USB Type A port.**

When a CompactFlash card is in use, check the status of the access indicator at the card slot before removing the card.

> ***If you leave the USB storage device connected when you close PC Free and the EasyMP standby screen is displayed, disconnect the USB storage device and reconnect it before starting PC Free again.***

Guide Mode and Quick Mode

In Guide Mode, when the folder and the file are selected, the sub menu to specify the next operation is displayed.
In Quick Mode, file projection starts immediately without displaying the sub menu. When the folder is selected, the folder opens.

"Guide Mode" is the default setting. In Guide Mode and Quick Mode, the following operations differ.

When a folder is selected and the (Enter) button is pressed

For Guide Mode	For Quick Mode
The following sub menus are displayed. Open Folder Play Slideshow ☛ p.51 Options ☛ p.53	The folder opens.

When a file is selected and the (Enter) button is pressed

For Guide Mode	For Quick Mode
Depending on the file type, one of he following sub menus is displayed. View Image ☛ p.50 Play Movie ☛ p.50 Play Scenario ☛ p.48	The file starts to play back.

To set the operation mode, see "Setting Image and Movie File Display Conditions and Operation Mode". ☛ p.53

PC Free Basic Operations

There are two modes, Guide Mode and Quick Mode, for playing back files by PC Free. In Quick Mode, the file starts to play back immediately. The following describes the procedures for playing scenarios, images, and movies using Guide Mode.

Procedure

1 **Tilt the [◎] button on the remote control to position the cursor on the file or folder you want to access.**

If all files and folders cannot be displayed at the same time in the current window, press the [⇧] button on the remote control or move the cursor to the "Next page" button and press the [Enter] button on the remote control.
To return to the previous screen, press the [⇩] button on the remote control, or position the cursor on the "Previous page" button and press the [Enter] button on the remote control.

2 Press the [Enter] button on the remote control.

The sub menu is displayed.

Sub Menu

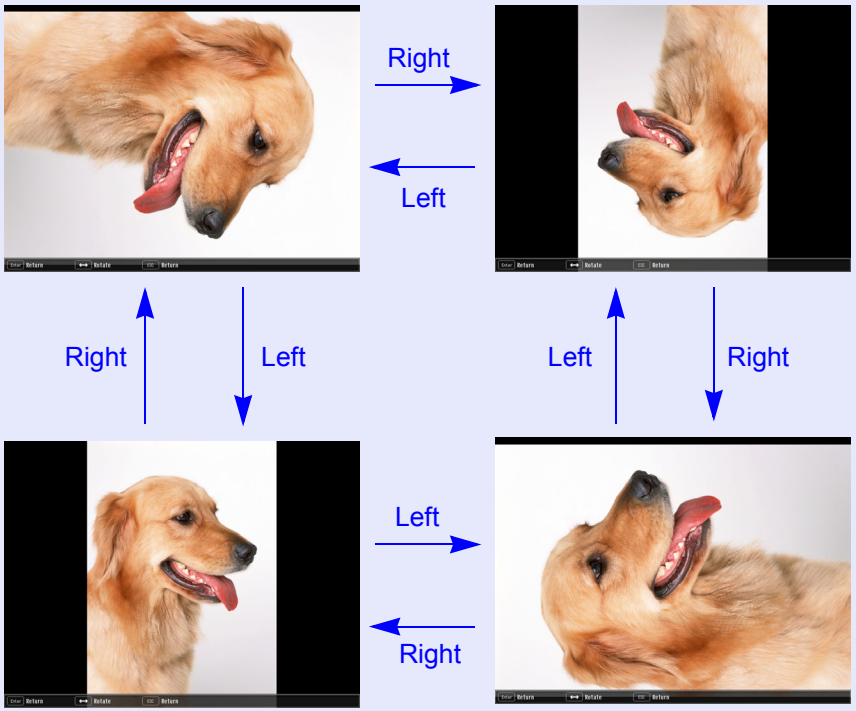
3 Select the target item from the display menu and press the [Enter] button on the remote control.

When a folder is selected

Open Folder	Opens a folder and displays the files within the folder. Select "Return" on the screen that opened and press the [Enter] button to return to the previous screen.
Play Slideshow	Plays the image or movie files in the folder in order. ☛ p.51
Options	Displays the options setting screen. Set whether to start in Guide Mode or Quick Mode when PC Free starts, and set the slide show operation for playing files and movie files in sequence. ☛ p.53

Rotating the Image

You can rotate JPEG images in 90° increments when playing them with PC Free.
The rotating function is also available during the slide show.
Rotate JPEG images in the following way.



Procedure

1 Play images or scenarios in JPEG format, or perform a slide show.

To play JPEG images ☛"Projecting Images and Movies" p.50
To play scenarios ☛"Playing a Scenario" p.48
To play slide shows ☛"Projecting all Image and Movie Files in a Folder in Sequence (Slide show)" p.51

2 While projecting a JPEG image, tilt the [◎] button on the remote control to the left or right.

The image rotates when the [◎] button is tilted in a certain direction as shown below.

Projecting Scenarios

This section describes the method for playing scenarios stored in a USB storage device or CompactFlash card, and the operations during scenario playback.

Preparing a Scenario

Create the scenario beforehand by using EMP SlideMaker2, and then transfer it to a USB storage device by using "Send Scenario" function.
☛ p.68

> *While transferring the scenario you can set autorun and continuous play.* ☛ *p.68*

Playing a Scenario

Procedure

1 Start PC Free. ☛ p.42

The contents of the USB storage device are displayed.

2 Tilt the [◎] button on the remote control up to position the cursor on the target scenario folder.

3 Press the [Enter] button on the remote control.

In Quick Mode, the file starts to play back.
In Guide Mode, the sub menu is displayed and you can tilt the [◎] button on the remote control to move the cursor to "Play Scenario", and then press the [Enter] button. The scenario starts to play back.

4 If "Advance" is set to "Automatically after", once play has reached the end, it returns to the file list screen. If "Repeat" is selected, the scenario is repeated from the beginning.

See "Operating During a Presentation" for how to operate the scenario when "Advance" is set to "On mouse click", and how to stop and cancel.

> - *You can rotate JPEG format images in the scenario while they are being projected.* ☛ *p.47*
> - *The movie files that are included in scenarios can be fast-forwarded, rewound and paused during playback.* ☛ *p.51*
> - *The slide changing time for scenarios can be set using the "Advance" command in EMP SlideMaker2.* ☛ *p.73*

Operating During a Presentation

The following operations using the remote control are possible while playing a scenario.

Screen Switching	Proceed to the next screen by pressing [Enter] or [⬇]. Return to the previous screen by pressing [⬆].
Stopping Playing	The message "Do you want to quit playing the scenario?" is displayed when you press the "Esc" button. Close by selecting the "Exit" button and pressing the "Enter" button. Continue playback by selecting the "Return" button and pressing the "Enter" button.

The following functions of the projector can be used when projecting a scenario or image file with PC Free.

- Freeze
- A/V Mute
- E-Zoom

For details concerning each function ☛ *User's Guide* "Freeze Function" "A/V Mute Function" "E-Zoom Function"

Projecting Image and Movie Files

Image files from a digital camera and image files and movie files stored on a USB storage device or CompactFlash card can be projected using PC Free by either of the following two methods.

- Projecting image and movie files
  This is a function to project single files.
- Sequential projection of image and movie files in a folder (slide show).
  This is a function for projecting the file contents of a folder in order, one file at a time.

Attention

The USB storage device is accessed frequently when playing back movie files. Do not disconnect the USB storage device at this time. PC Free may not operate correctly.

Projecting Images and Movies

Procedure

1 Start PC Free. ☛ p.42

The content of the connected digital camera, USB storage device or compact flash card is displayed.

2 Tilt the [◎] button on the remote control to position the cursor on the image file or movie file to be projected.

3 Press the [Enter] button on the remote control.

In Quick Mode, the image or movie starts to play back.
In Guide Mode, the sub menu is displayed and you can select "View Image" or "Play Movie", and then press the [Enter] button. The image or movie starts to play back.

Image file

4 If the [Enter] button or the [Esc] button on the remote control are pressed while projecting an image or movie, it returns to the file list screen.

- *JPEG format images can be rotated during projection.* ☛ *p.47*
- *You can make the following operations using the remote control while playing movie files. However, you cannot fast-forward and rewind MPEG1 movie images.*
  Fast-forward: Tilt the [◎] button to the right
  Rewind: Tilt the [◎] button to the left
  Freeze (Pause): Tilt the [◎] button down
  Three fast-forward/rewind speeds are available, and the speed changes each time the button is pressed.
  To return to normal playback, press the [Enter] button.
  Audio is not output while fast-forwarding, rewinding, or pausing is in progress.

Projecting all Image and Movie Files in a Folder in Sequence (Slide show)

You can project the image and movie files in a folder in sequence, one at a time. This function is called "Slide show". Perform the slide show by the following procedure.

You can set display conditions, such as projecting repeatedly and adding effects to the display when files are being switched. To change the movie files and image files automatically when you run Slide show, set the screen switching time in the PC Free option menu to anything other than "No". Default setting: "No" ☛ *p.53*

Procedure

1 Start PC Free. ☛ p.42

The content of the connected digital camera, USB storage device or CompactFlash card is displayed.

2 Tilt the [◎] button on the remote control to position the cursor on the folder to perform the slide show.

For Quick Mode

(1) The folder opens.
(2) Select Slide show at the bottom right and press the [Enter] button

For Guide Mode

(1) The sub menu is displayed.
(2) Select "Play Slide Show" and press the [Enter] button.

3 The slideshow will be performed and the image and movie files in the folder will be projected in sequence one at a time.

When the last file is projected, the file list will be displayed again automatically. If you set "Continuous Play" to "ON" in the Options window, projection will start from the beginning again when the end is reached. ☛ p.53

Just as with a scenario, you can proceed to the next screen, return to the previous screen, or stop playback during projection of a slide show.
☛"Operating During a Presentation" p.49

If the screen switching time setting has been set to "No", the files will not change automatically when you run a slide show. Press the [Enter] or [⊡] button on the remote control to continue to the next file.

Setting Image and Movie File Display Conditions and Operation Mode

You can set the display conditions and operation mode for playing back image or movie files as a slideshow in PC Free.

Procedure

1 Tilt the [◎] button on the remote control to position the cursor on the folder where display conditions are to be set.

For Quick Mode

(1) The folder opens.
(2) Select "Option Settings" at the bottom left and press the [Enter] button

For Guide Mode

(1) The sub menu is displayed.
(2) Select "Options" and press the [Enter] button.

2 Set each of the items.

Enable settings by positioning the cursor on the target item and pressing the [Enter] button on the remote control.
Details of the items are given below.

Mode switching	You can change the operation mode for PC Free to "Guide Mode" or "Quick Mode". The initial setting is "Guide Mode". ☛"Guide Mode and Quick Mode" p.45
Display order	You can set the order of the files to be displayed.
Continuous Play	You can determine whether to repeat the slideshow.
Screen switching time	You can set the time for a single file to be displayed when running a slide show. Once the time set here has passed, the next file is displayed automatically. If set to "No", the files do not change automatically when you run a slide show. When set to "No", press the [Enter] or [⏎] button on the remote control to continue to the next file.
Effect	This sets the transition effects between files.

3 Tilt the [◎] button on the remote control up to position the cursor on the "OK" button, and then press the [Enter] button.

The settings are applied.
If you do not want to apply the settings, position the cursor on the "Cancel" button and press the [Enter] button.

Preparing a Scenario (Using EMP SlideMaker2)

This chapter describes how to create and send scenario.

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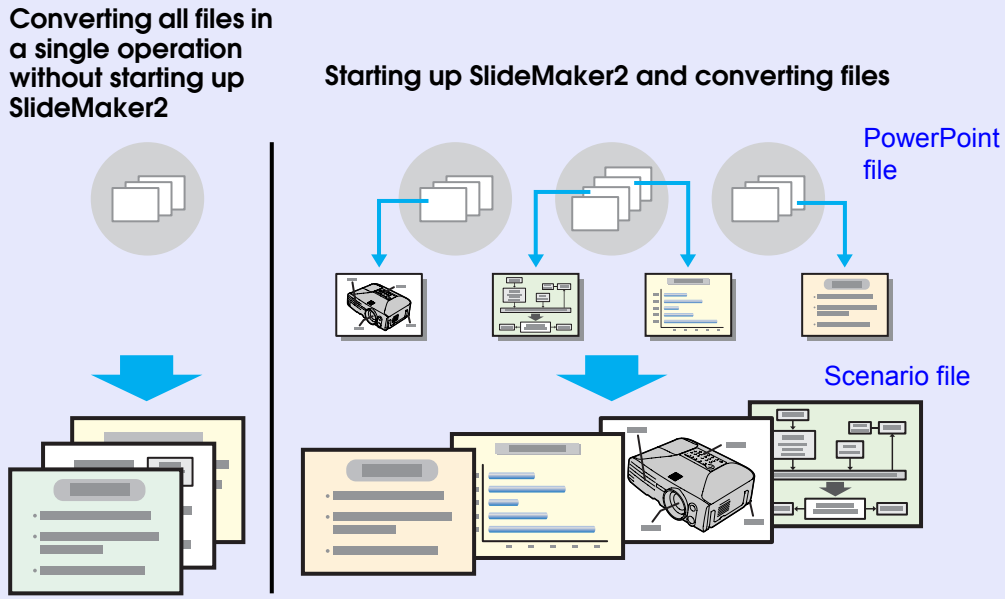
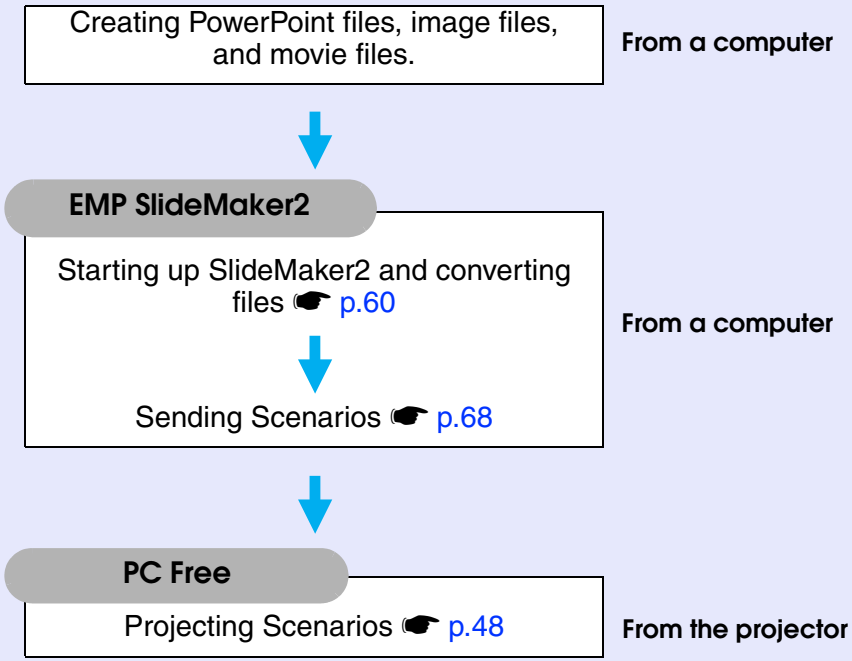
Scenario Summary

A scenario is a combination of PowerPoint, image, and movie files, arranged in a projection order and saved as a single file, created with EMP SlideMaker2.
Making a scenario allows you to easily and efficiently prepare presentation material by extracting the necessary parts of files, and arranging them in order without editing the original files.



Transfer the created scenarios to store them on a USB storage device or CompactFlash card connected to the computer. Then, connect the USB storage device or CompactFlash card to the projector so that you can use the projector's PC Free function to project the scenario.
For Connection of USB storage devices ☛ *User's Guide* "Connecting USB Devices"

EMP SlideMaker2 should be installed into the computer. For details on installing EMP SlideMaker2 ☛Wireless LAN Quick Connection Guide "Installing EasyMP Software"



Files that Can be Included in Scenarios

Any of the following file types can be combined into a single file to create a scenario.

Type	File Type (Extension)	Notes
PowerPoint	.ppt	Microsoft PowerPoint 2000/2002/2003
Image	.bmp	
	.jpg	Any version. However, CMYK colour formats and progressive formats cannot be played back.
Movie	.mpg	MPEG2-PS Movies that exceed a maximum size of 720 × 576 or are not in the same format as a DVD (sequence header arranged for each GOP) cannot be played back. The reproducible audio format is MPEG1 Layer 2. Linear PCM and AC-3 audio cannot be played back.
Audio	.wav	PCM, 22.05/44.1/48.0 kHz, 8/16bit

- ***The following slide transition effects and animation settings in the PowerPoint "Slide show" menu are reflected in a scenario.***

  •Fly •Blinds •Box
  •Checkerboard •Crawl •Dissolve
  •Peek •Random Bars •Spiral
  •Split •Stretch •Strips
  •Swivel •Wipe •Zoom

  Effects for screen transitions other than those mentioned above are converted to "Cut", and animation is converted to "Animation Rules (Default: Cut)". ☛ *p.71*
- ***In the event that the image and movie files in the table on the left are to be played back as file units, they need not be made into scenarios. After saving the file to a USB storage device, direct playback and projection with PC Free are possible by connecting the USB storage device to the projector.*** ☛ *p.50*

The following table indicates whether scenarios created by the included software of other projectors can be opened by EMP SlideMaker2 of this projector.

Projector	Software	Can be Opened with this Projector's EMP SlideMaker2
EMP-1715/1710 EMP-7950/7850 EMP-835 EMP-765/755/745/737 ELP-735	EMP SlideMaker2	o
ELP-8150/8150NL	EMP Scenario	×
ELP-715/505	EMP SlideMaker	×

Turning a PowerPoint File into a Scenario

PowerPoint files can be converted to scenarios by the following four methods. To use the PowerPoint files as they are, use methods 1 or 2, and to change the order of the slides or add other image files after creating the scenario, use methods 3 or 4.

1) Drag & drop to the EMP SlideMaker2 icon
   Drag & drop the PowerPoint file to the EMP SlideMaker2 icon on the desktop without starting EMP SlideMaker2.
   ☛"Converting all files in a single operation without starting up SlideMaker2" p.58
2) Drag & drop from the file list
   Start EMP SlideMaker2 and drag & drop the PowerPoint file from the file window to the scenario window.
   ☛"Starting up SlideMaker2 and converting files" p.60
3) Include a PowerPoint file from the file list
   Start EMP SlideMaker2 and double-click the PowerPoint file in the file window. ☛"Starting up SlideMaker2 and converting files" p.60
4) Include only the slides you want from the thumbnails
   Start EMP SlideMaker2 and select the PowerPoint slides
   ☛"Starting up SlideMaker2 and converting files" p.60

- ***When creating scenarios with methods 1 to 3, the following animations set in PowerPoint are also reflected in the scenario.***

•Fly	***•Blinds***	***•Box***
•Checkerboard	***•Crawl***	***•Dissolve***
•Peek	***•Random Bars***	***•Spiral***
•Split	***•Stretch***	***•Strips***
•Swivel	***•Wipe***	***•Zoom***

- ***Animations other than those mentioned above are replaced by the animations in "Animation Rules" (Default: Cut).*** ☛*p.71*
- ***The picture quality for scenarios created with method 1 is "Normal" from a possible, "Highest Quality", "High Quality", and "Normal". When you want to create a scenario with a high image quality, use methods 2 to 4.***

The following table shows the differences among methods 1 to 4.

	Image Quality	Animation Reflection	Send Scenario
1	"Normal" fixed	Reflected	Continuous operation*1
2	Select from "Highest Quality", "High Quality" and "Normal"	Reflected	Continuous operation*1
3	Select from "Highest Quality", "High Quality" and "Normal"	Reflected	Continuous operation*1
4	Select from "Highest Quality", "High Quality" and "Normal"	Not reflected	Operating later*2

*1 When scenario creation is complete, the "Send Scenario" screen is automatically displayed.
*2 After creating the scenario, perform "Send Scenario"☛ p.68.

Converting all files in a single operation without starting up SlideMaker2

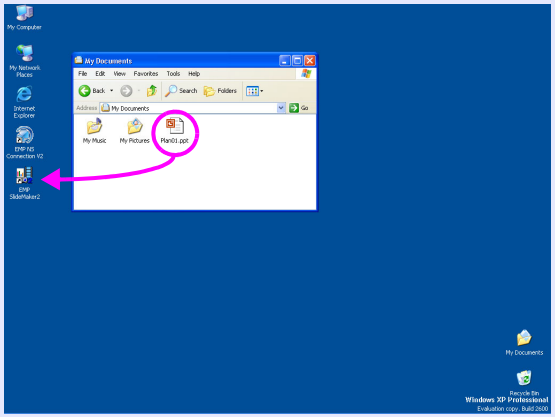
This explains how to make a scenario by dragging & dropping PowerPoint files to the EMP SlideMaker2 icon on the desktop without having to start EMP SlideMaker2.

- *A scenario cannot be created by dragging & dropping if EMP SlideMaker2 is already started. Close EMP SlideMaker2 first.*
- *Scenarios made by dragging & dropping take the name "Scnxxxx" (where xxxx is a number).*
- *If you try to select multiple PowerPoint files and perform drag & drop, only the icon that the mouse's cursor is pointing at becomes a scenario.*

Procedure

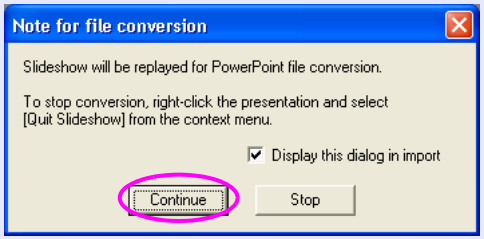
1 Connect the USB storage device that contains the scenario to the computer.

2 Drag & drop the PowerPoint file icon to the program icon of EMP SlideMaker2 on the desktop.

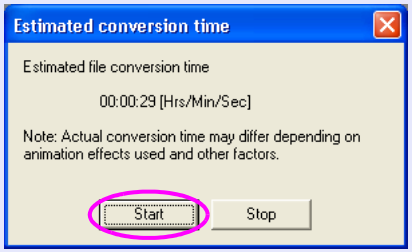


EMP SlideMaker2 starts.

3 Check the message and click the "Continue" button.



4 Check the message and click the "Start" button.

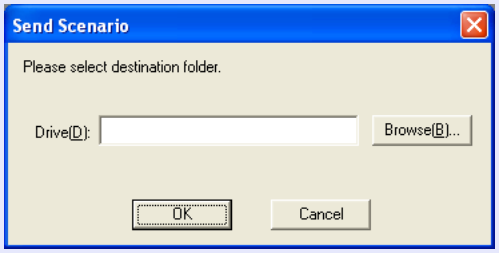


It starts converting the file to a scenario. The slide show is displayed during conversion.
If you stop the slide show midway, the scenario closes without being created.

5 Once the slide show reaches the end, click the screen.

The scenario transfer destination dialog box is displayed.

6 **Select the drive and the folder where the USB storage is connected and click the "OK" button.**



Go to procedure 3 from "Sending Scenarios" ☛ p.68.

Starting up SlideMaker2 and converting files

Verify the following points before creating a scenario.

- The data to be combined to create a scenario, such as PowerPoint, image and movie files, must be created in advance.
- Only file types listed under "Files that Can be Included in Scenarios" can be used. ☛ p.56

Scenario creation procedure

Scenarios are created with the following procedure.

Start EMP SlideMaker2 and set the scenario properties (such as scenario name, background colour, and image quality).
☛ p.60

↓

Include the files to be used in the scenario.
☛"Including PowerPoint Files in Scenarios" p.62
☛"Including Image and Movie Files in Scenarios" p.65

↓

Sort the included files into the desired order to complete the scenario. ☛ p.66

Once the scenario has been created, carry out the steps in "Send Scenario". ☛*p.68*

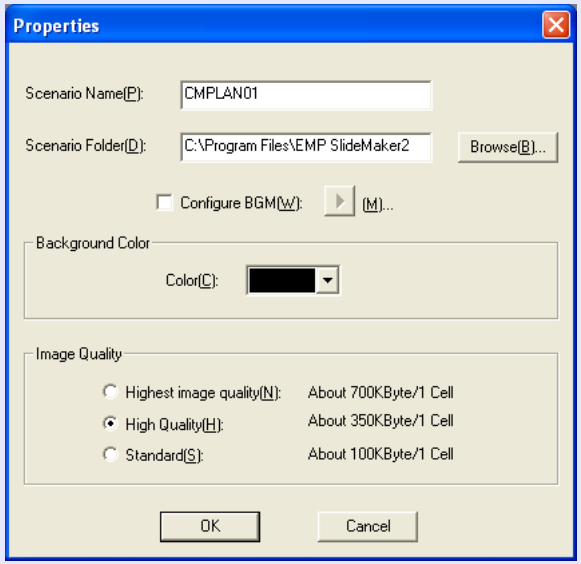
Setting Scenario Properties

Procedure

1. **Start Windows on the computer, then select "Start" - "Programs" (or "All Programs") - "EPSON Projector" - "EMP SlideMaker2".**

   EMP SlideMaker2 starts, and the scenario properties are displayed.

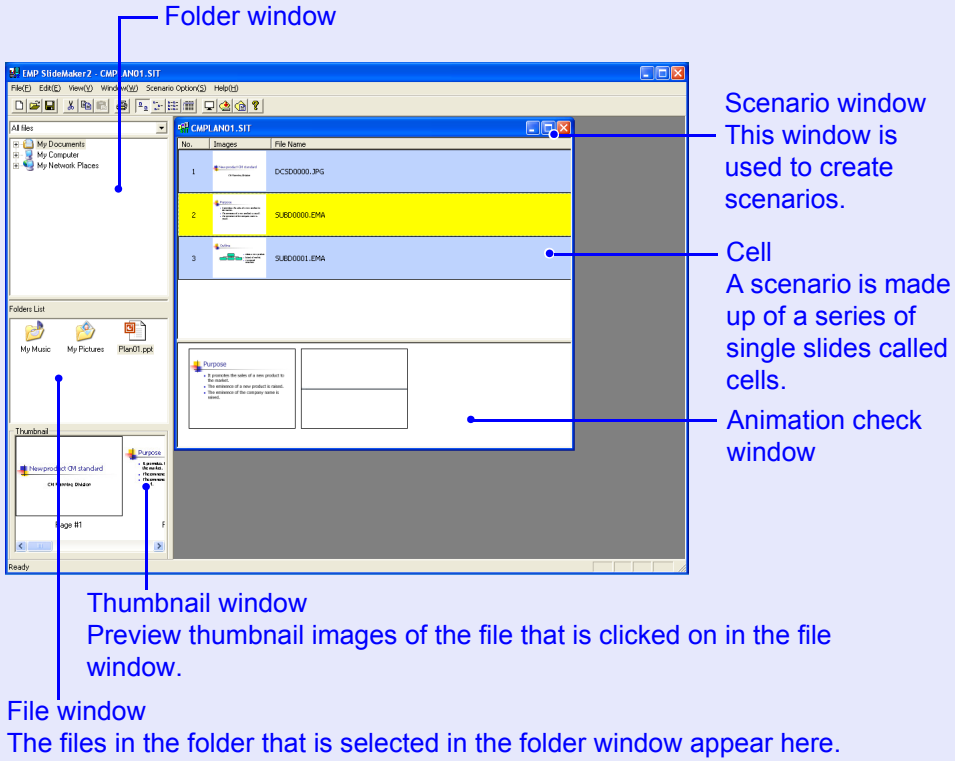
2. **Enter each of the items with reference to the following table, then click the "OK" button.**



Scenario Name	Enter the file name for the created scenario. Be sure to enter the file name. The file name can consist of up to 8 uppercase alphabetic characters and numerals. Limit the total number of characters of the file name and the directory name for the scenario folder to 127 or less.
Scenario Folder	Specify where to create the scenario folder to be used while creating the scenario. The name of the scenario folder will be the same as the name of the scenario.
Configure BGM	If you would like to play BGM during the scenario, check the box. The audio file (WAVE format) selection window is displayed if this is selected. On this window, select the file to be used as BGM. After selecting the audio file, play the file by clicking the "▶" button on the right. Stop playback by clicking the "■" button.
Background Colour	Selects the background colour for image data in the scenario.
Image Quality	With EMP SlideMaker2, each slide in a PowerPoint file will be converted into a JPEG file and saved. This item lets you select the image quality when the slides are converted to JPEG files. You can select the quality from "Highest image quality", "High Quality" and "Standard". If you select "Standard", the quality will be lower compared to other settings. "Highest image quality" and "High Quality" are recommended. If JPEG files have been included directly into a scenario, this setting will be ignored and the JPEG file will be projected with its original image quality.

The setting details can be changed in the "File" - "Properties" menu of EMP SlideMaker2.

The following window will be displayed.



Refer to the EMP SlideMaker2 help for details on the EMP SlideMaker2 menu functions.

Including PowerPoint Files in Scenarios

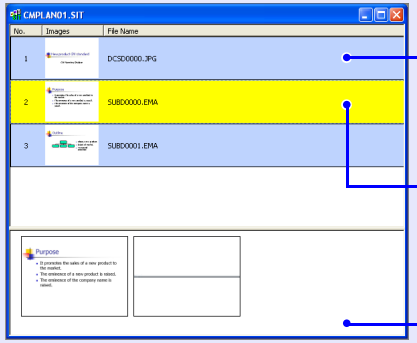
PowerPoint files can be included into scenarios with the following three methods.

- Including all slides by dragging & dropping PowerPoint files
- Including all slides by double-clicking PowerPoint files ☛ p.63
- Including only selected slides when checking thumbnails
  If you include only a selection of slides, the animation settings that have been made using PowerPoint are ignored. ☛ p.65

If all slides in a PowerPoint file are included in the scenario, the animation settings that have been made using PowerPoint are retained and the appear as usual when the scenario is projected using PC Free.

Movie files included in a PowerPoint file cannot be played back on the scenario.

Slides that retain their animation settings are displayed in the cells of the scenario window with an ".EMA" extension. If you click on a cell with an ".EMA" extension, all of the animation operations are displayed in the animation check window.
Slides that have no animation settings are displayed in the cells with a ".JPG" extension.



.JPG: Cells with PowerPoint animation settings that have been ignored

.EMA: Cells with PowerPoint animation settings that have been retained

Animation check window

- ***Thumbnails cannot be displayed if PowerPoint is not installed on your computer.***
- ***Although animations can be set in the properties window of EMP SlideMaker2, animations set in advance in the PowerPoint file operate more smoothly when played in the scenario. To set animations in PowerPoint slides, we recommend you set them in the PowerPoint file itself. If you want to make animation settings for images, or if you want to add animation settings to slides that lost their animation settings when they were included in the scenario, make the settings in the properties window of EMP SlideMaker2.*** ☛ *p.73*

Including all slides in a PowerPoint file

Drag & Drop the PowerPoint file in the file window to the scenario window to create a scenario. When scenario creation is complete, the "Send Scenario" screen is automatically displayed and the scenario can be transferred.
When slides are included with this method, animation set in PowerPoint remains effective.

Procedure

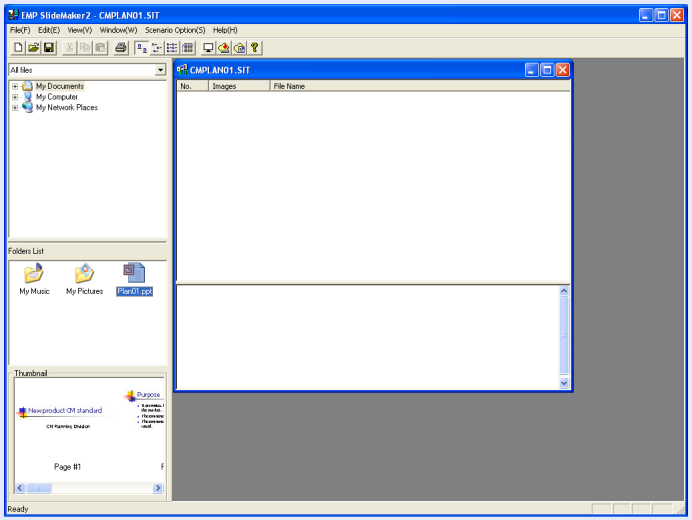
1. **Connect the USB storage device or compact flash card that contains the scenario to the computer.**

2. **Start Windows on the computer, then select "Start" - "Programs" (or "All Programs") - "EPSON Projector" - "EMP SlideMaker2".**
   EMP SlideMaker2 starts, and the scenario properties are displayed.

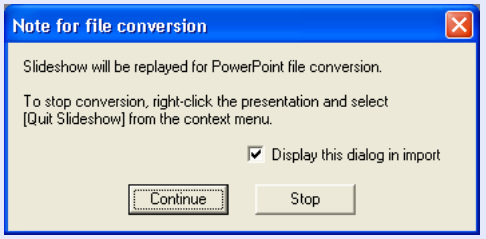
3. **Set the scenario properties.** ☛ p.60

4. **Select the folder containing the target PowerPoint file in the folder window.**

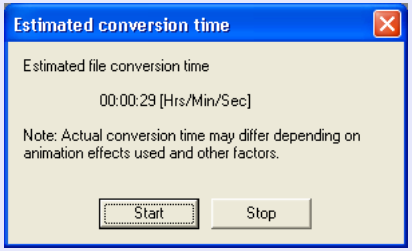
5. **Drag & drop the PowerPoint file from the file window to the scenario window.**
   Or, double-click the target PowerPoint file icon in the file window.



6. **Check the message and click the "Continue" button.**



7 Check the message and click the "Start" button.



The conversion to a scenario starts and the slide show is performed automatically.
If the [Esc] key on the keyboard is pressed during the slide show, the slide show is canceled. In that case, the scenario closes before it can be created.

8 When the slide show ends, click the screen.

The dialog box to specify the transfer destination of the scenario is displayed.

9 Select the drive and the folder where the USB storage or CompactFlash card is connected and click the "OK" button.

Go to procedure 3 of "Sending Scenarios" ☛ p.68.

When creating a scenario with only one PowerPoint file, you can do that easily by a drag and drop operation.
☛ p.58

Including only selected slides while checking thumbnails

Use the following procedure to include only selected slides from a PowerPoint file into a scenario. Note that when this method is used to include the slides, any animations that have been set using PowerPoint will be lost.

Procedure

1 Click the target PowerPoint file icon in the file window.

2 Double-click the thumbnails that you want to include into the scenario.

The selected slides will be displayed in the scenario window.

To select more than one slide and include them all at once,

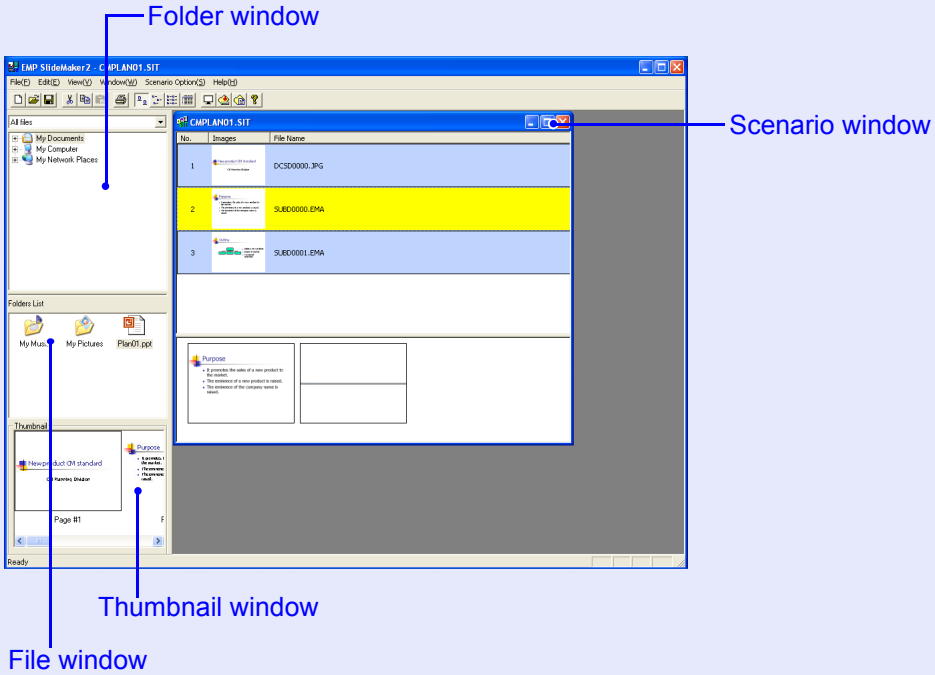
(1) Click the additional slides one at a time in the thumbnail window.
All slides that you click will be selected.
If you click a slide that is already selected, it becomes unselected.

(2) Once all the target slides have been selected, drag one of the selected slides into the scenario window and drop it at the place where it is to be added.
All of the selected slides will then be added to the scenario.

Go to procedure 3 of "Sending Scenarios"☛ p.68.

Including Image and Movie Files in Scenarios

Image files and movie files can be included into a scenario.



Procedure

1 Click the target folder in the folder window.

The files that are contained in the folder will be displayed as a list in the file window.

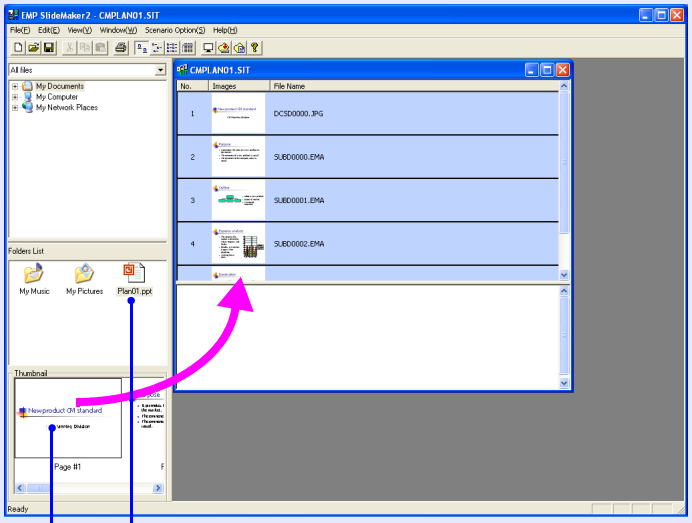
2 Click the icon of the image file in the file window.

The contents of the image file are displayed in the thumbnail window.
In the case of a movie file, an icon will be displayed in the thumbnail window.

3 Double-click the icon of the target image file in the file window.

The selected file is displayed in the scenario window and it is included into the scenario.

4 To add a file (or slide), drag and drop the target file (or slide) into the scenario window.



You can drag and drop the target files or slides to add them to the scenario window.

5 To add more than one file, hold down the [Ctrl] key on the keyboard while clicking the files icons to be added. Once all the files to be added have been selected, drag one of the selected files into the scenario window and drop it at the place where it is to be added.

All of the selected files will then be added to the scenario.

> *To unselect all of the selected files, click the white area outside the icon.*

Editing a Scenario

When projecting using the projector's PC Free, the contents that are displayed in the scenario window are projected in order from the top. You can add and delete slides and files from a scenario or change their order to edit the scenario.

Adding files and slides

Procedure

Drag files that are displayed in the file window or PowerPoint slides that are displayed in the thumbnail window into the scenario window and drop them in the place where they are to be added.

The newly changed scenario will be transferred.
Go to procedure 3 ☛ p.68.

Deleting a slide

Procedure

Right-click in the cell to be deleted and then select "Clear" or "Cut" from the shortcut menu.

Changing the order of slides

Procedure

Drag & drop a cell in the scenario window to change the order of cells.
You can also display the shortcut menu, select "Cut" and then select "Paste".

The newly changed scenario will be transferred.
Go to procedure 3 ☛ p.68.

Sending Scenarios

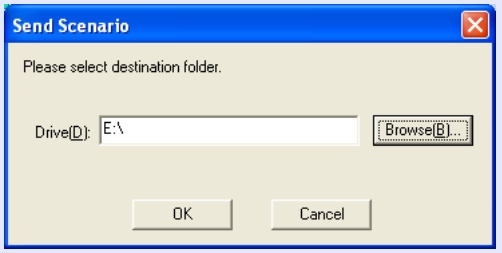
To project a created scenario by the projector, send the scenario to a USB storage device using "Send Scenario" in EMP SlideMaker2. Specify a USB hard disk drive or a USB storage device that is connected to the computer's USB port as the destination.
It is also possible to set automatic projection and continuous projection of a scenario at projector startup. The automatic projection function is called "autorun".

- *When "Send Scenario" is performed, the scenario file is saved in the destination under the name "Scenario name.sit". Also, a folder with the same name as the scenario is created and each screen is converted to image files and saved according to image quality. However, in PC Free a folder with the same name as the scenario is not displayed.*
- *If you perform "Send Scenario" without saving, a folder with the same name as the scenario name and a "scenario name.sit" file are created in the scenario folder. Each screen is converted to image files and saved in the created folder according to the image quality.*

Procedure

1. **Once the scenario is complete, connect a USB storage device to the computer, and then select "Scenario Options" - "Send Scenario".**

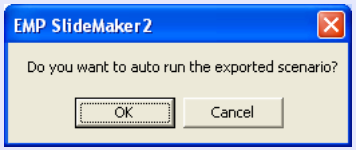
2. **A dialog box to specify the destination drive is displayed. Select the drive and the folder where the USB storage is connected and click the "OK" button.**



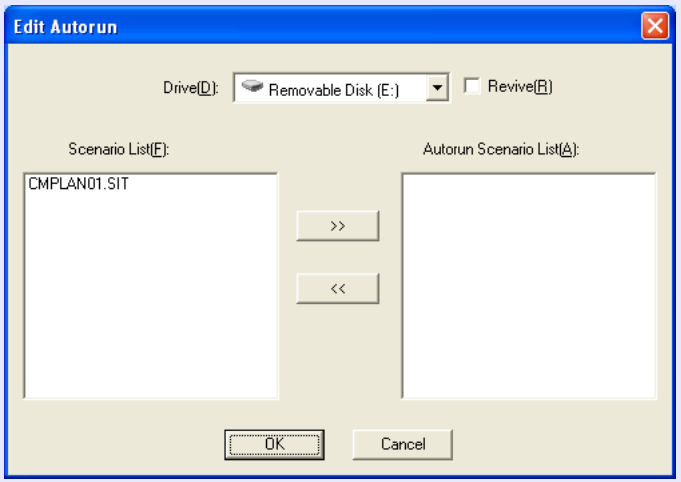
3. **When a confirmation message is displayed, click the "OK" button.**

It is sent to the scenario destination selected.

4 **When transfer is complete, a message is displayed confirming whether to perform autorun setup. If you want to set autorun, click the "OK" button and continue to the next procedure. Otherwise, click the "Cancel" button to close.**



All scenario files within the destination drive are displayed in the scenario list on the left in the format "Folder name/File name".



5 **When using autorun**

To set a scenario to run automatically when the projector power is turned on, click the target scenario name in the scenario list, and click the "≫" button.
The scenario is displayed in the autorun scenario list on the right and set as an autorun file.
A scenario file in a folder with deep hierarchy or with a long folder name cannot be selected.

When projecting a scenario repeatedly

To start projecting from the first scenario again once projection of all scenarios in the "Autorun Scenario List" is complete, select "Revive".

- *Autorun can also be set by selecting "Scenario Option" - "Edit Autorun".*
- *Autorun setting cannot be specified in the EasyMP's PC Free.*
- *If there are two or more files set for autorun, they are played back in order from the top on the "Autorun Scenario List".*

6 **When the scenario for autorun is set, click the "OK" button.**

7 **Remove the USB storage device from the computer.**

See the computer's user's guide for the removal method.

8 **After finishing transferring your scenario, connect the USB storage device to the projector and start projection using PC Free.** ☛ p.48

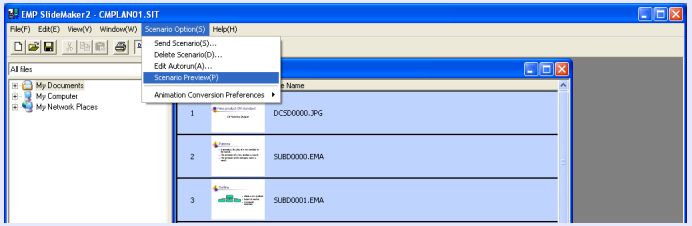
Checking the Projection Scenario Status from a Computer

You can check on a computer how a created scenario is played back on a projector by using PC Free. All of the structural elements of the scenario such as images, animation, BGM, can be played.

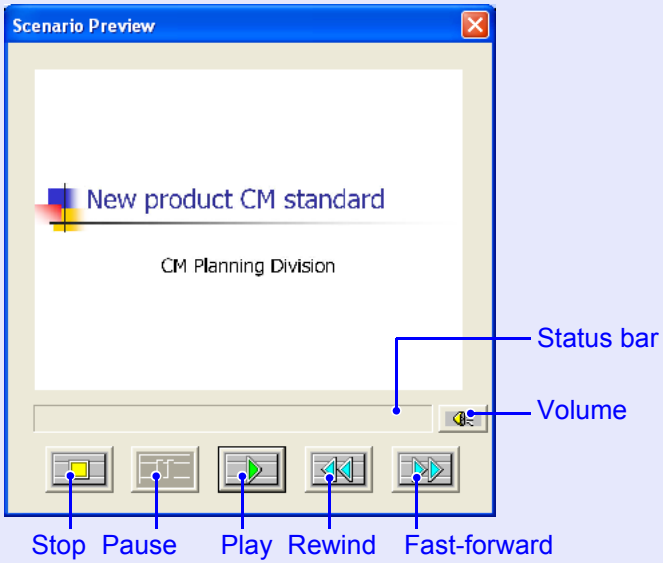
Procedure

1 **Open the scenario you want to check in EMP SlideMaker2.**

2 **Select "Scenario Options" - "Scenario Preview".**



The "Scenario Preview" screen is displayed.



The following table shows the functions of each button.

Stop	Stops playback and returns to the first slide.
Pause	Pauses the slides when "Automatically after" is selected for "Advance". ☛ p.73
Play	Starts the scenario preview. Also, this restarts stopped or paused scenarios. The following slide is displayed when "On mouse click" is set for "Advance". ☛ p.73
Rewind	Returns to the previous slide or returns to the screen previous to the animation performance. The animation effects are not performed upon return.
Fast-forward	Proceeds to the next slide or shows the screen after animation performance. At this time the animation effects are not performed.
Volume	Performs volume control. Adjusts the volume of BGM.
Status bar	Displays the progress of the scenario on a bar. At first there is no bar display, and then the bar extends from left to right as the scenario progresses. The scenario ends at the right hand side of the bar.

3 After you finish checking, click the "☒" button at the top right of the window to close the scenario preview screen.

Setting Animations

The following PowerPoint animations are reflected in a scenario as well.

Fly	Blinds	Box	Checkerboard
Crawl	Dissolve	Peek	Random Bars
Spiral	Split	Stretch	Strips
Swivel	Wipe	Zoom	

You can set which animations replace those not mentioned above (Default: Cut).

Procedure

1 Start EMP SlideMaker2.

Click the "Cancel" button if screen properties is displayed.

2 Select "Scenario Option" - "Animation Conversion Preferences".

3 Select the set animation.

Setting the Slide Animation

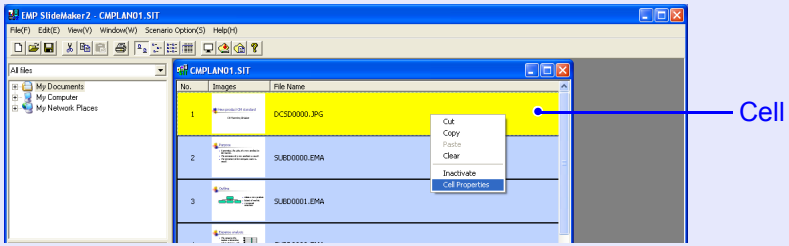
With EMP SlideMaker2, you can set effects similar to the animation effects of PowerPoint for each cell in the scenario. You can project the slides that retain the animation set in PowerPoint by setting projection time or animation for each divided scene.
In this case, right-click the target animation in the animation check window and click "Cell Properties".

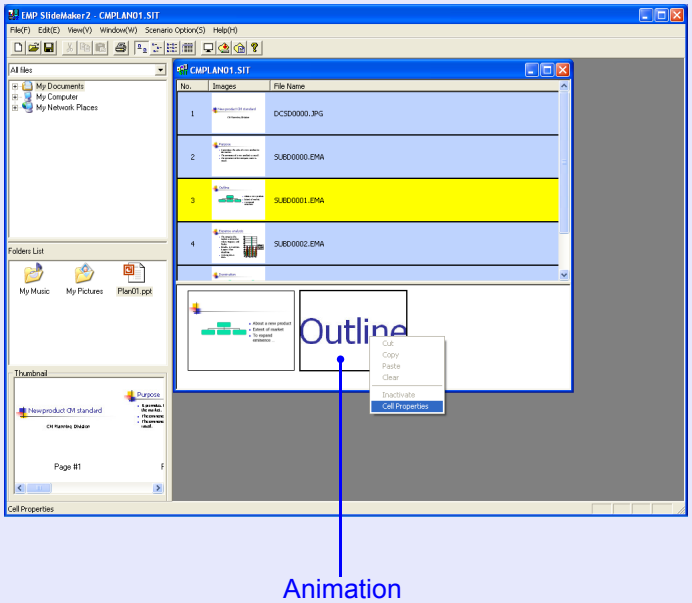
> ***If animations set in PowerPoint in advance are included in a scenario, the animations operate smoothly during scenario playback. To set animations in PowerPoint slides, we recommend you set them in the PowerPoint file itself. If you want to make animation settings for image files, or if you want to add animation settings to slides that lost their animation settings when they were included in the scenario, add the settings using the following method.***

Procedure

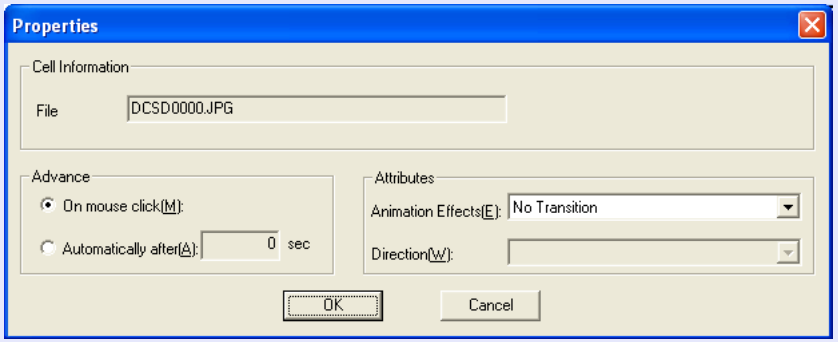
1 Right-click in the target cell or the animation, and select "Cell Properties".

When making the same settings for multiple cells or animations, select multiple cells by holding down the [Shift] key or the [Ctrl] key on the keyboard, right-click and then select "Cell Properties".





2 The "Properties" screen is displayed. Set each of the items with reference to the following table, and then click the "OK" button.



Advance	When "Automatically after" is selected, you can set the switching time from 0 to 1800 seconds. When "On mouse click" is selected, switch slides by pressing the [⬇] or [⬆] buttons on the remote control during projection.
Animation Effects	You can specify the effects to use during screen transition. Select the "Direction" depending on the animation selected. The following are examples of the effects. Fly: The image changes from the direction specified. Box In: The image changes from the inside.

Appendix

Connection Limitations 75

- Supported Resolutions 75
- Display Colour 75
- Connection Number 75
- Others 75

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Connection Limitations

When projecting computer images during execution of EMP NS Connection, the following restrictions apply. Confirm these points.

Supported Resolutions

The following computer screen resolutions can be projected. For the following resolutions, the image can be projected as it is on the computer screen. You cannot connect to a computer with a resolution higher than UXGA.

True monitor

- VGA (640 × 480)
- SVGA (800 × 600)*
- XGA (1024 × 768)*
- SXGA (1280 × 960)
- SXGA (1280 × 1024)*
- SXGA+ (1400 × 1050)*
- UXGA (1600 × 1200)

* Supported resolutions when multi-screen display function is on.

When the following messages are displayed, connect after setting the computer's resolution to SXGA or less.

One or more connected projectors do not support resolutions greater than SXGA. Reduce the screen resolution and reconnect.

If a computer with a special screen size is used where the ratio of height and width is not represented, a screen resolution closest to the width is selected from the list of seven above.
In this case, in wide screen the horizontal margins are projected, in narrow screen the empty vertical margins are black.

Display Colour

The number of colours for computer screens can be projected.

Windows	Macintosh
16-bit colour	About 32,000 colours (16-bit)
24-bit colour	-
32-bit colour	About 16.7 million colours (32-bit)

The operational guarantee for virtual displays is 16-bit and 32-bit colour.

Connection Number

You can connect up to four projectors to one computer and project simultaneously.
You cannot connect multiple computers to one projector simultaneously.

Others

- If the transmission speed of the wireless LAN is low, the network might be cut off easily even if you connect and shut down at surprising times.
- Audio is not transmitted.
- When videos are played back, they do not play back as smoothly as when displayed on the computer.
- Applications that use part of DirectX functions may not be displayed correctly. (Windows only)
- Cannot project full screen MS-DOS prompts. (Windows only)
- There are times when the image on the computer screen and the image projected by the projector may not match exactly.

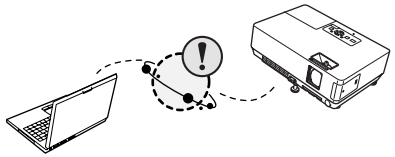
If any of the following problems occur, refer to the pages given for each problem.

Problems concerning EasyMP

- Suddenly changes to the EasyMP screen ☛ p.77
- Cannot connect to other computers when projecting in Network Presentation ☛ p.77
- The projector is not found when EMP NS Connection is started ☛ p.78
- Cannot connect in Advanced Connection Mode or wired LAN connection ☛ p.79
- The image and sound for movies in Network Presentation are not displayed, or the image is slow to appear ☛ p.80
- PowerPoint slide show does not work in Network Presentation ☛ p.80
- The screen is not updated when Office applications are used with Network Presentation ☛ p.80
- Cannot specify files with EMP SlideMaker2 ☛ p.80
- Error message when starting up EMP NS Connection ☛ p.81
- Error message when starting up EMP SlideMaker2 ☛ p.82

Problems concerning watch and control by EMP Monitor

- Mail is not sent even if an abnormality occurs in the projector ☛ p.83
- Cannot control or monitor the projector with EMP Monitor ☛ p.83



■ Suddenly changes to the EasyMP screen

ERR at the bottom left of the screen: Check the numbers and make the following remedies.

ERR Number	Error Meaning	Remedy
2,50,53,245,-103	Failed to startup EasyMP.	Turn the power for the projector off and then back on again.
51,52,100	Failed to process EasyMP.	When using EMP NS Connection, reconnect EMP NS Connection. When using a USB display, reconnect the USB cable.
-101	Communication was cut off from the access point.	Check the access point operation.
-102,-105	Wireless communication is unstable.	Check the situation of network traffic, and reconnect EMP NS Connection after waiting for a while.

■ Cannot connect to other computers when projecting in Network Presentation

Check	Remedy
Did the presenter leave the conference room without cutting off the network connection?	In Network Presentation, the connection with the computer that was previously connected can be cut off when another computer tries to connect with the projector, and it connects with the computer that is trying to connect. Therefore, when a projector keyword is not set for the projector, or if you know the projector keyword, you can cut off the current connection and, if you perform a connection operation, you can connect to the projector. When a projector keyword is set for the projector, if you do not know the projector keyword, cut off projection from the projector and reconnect. To cut off connection from the projector, press the [Esc] button on the remote control, select "Close" from the close menu and press the [Enter] button on the remote control When it cuts off, you can connect from the target computer. ☛*Wireless LAN Quick Connection Guide*

■ The projector is not found when EMP NS Connection is started

Check	Remedy
Is the wireless LAN unit connected? **For Wireless LAN**	Check that the wireless LAN unit is securely connected.
Is the projector's configuration menu open?	While the configuration menu is displayed, network connection becomes invalid. Close the configuration menu and return to the EasyMP screen.
Are the computer's LAN card and the built-in LAN function available?	Check that LAN is valid by checking "Control Panel" - "System" in the device manager and so on.
Is the DHCP function for wired LAN turned ON? **For Wireless LAN Quick Connection Mode**	Turn OFF the DHCP function for wired LAN from the EasyMP's configuration menu. ☛*User's Guide* "Network Menu (EMP-1815 Only)"
Was the network adapter used selected correctly with EMP NS Connection?	If the computer has multiple LAN environments, it cannot connect unless the network adapter used with EMP NS Connection is selected correctly. Start EMP NS Connection and go to "Configuration" - "Switch LAN" (Windows), or "Configuration" - "Network Configuration" (Macintosh) and select the network adapter used.
For wireless LAN connection, is the wireless LAN setting enabled when the computer is in power save mode?	Enable the wireless LAN.
Are there any obstacles between the access point and the computer or projector? **For Wireless LAN**	Sometimes the electromagnetic wave situation prevents the projector from being found in a search. Check for any obstacles between the access point and the computer or projector, and change their position to improve the electromagnetic wave situation.
Is the computer's wireless LAN electromagnetic wave set to low?	Set the electromagnetic wave strength to maximum.
Does the wireless LAN conform to 802.11g, 802.11b, or 802.11a?	It is only compatible with standards g, 802.11b, and 802.11a, and not with other standards such as 802.11.
Is the network cable connected correctly? **For Wired LAN**	Check that the network cable is connected correctly. Reconnect it if it is not connected or not connected properly.

■ Cannot connect in Advanced Connection Mode or wired LAN connection

Check	Remedy
Is the ESSID setting different.	Set the computer, the access point, and the projector to the same ESSID. ☛"Wireless LAN Connection in the Advanced Mode"
Is the same WEP key set?	When selecting WEP from "Security", set the access point, the computer, and the projector to the same WEP key. ☛"Wireless LAN Connection in the Advanced Mode"
Are the connection denial functions, such as MAC address restrictions and port restrictions, set correctly at the access point?	Set the projector to allow connections from the access point.
Are the IP address, the subnet mask, and the gateway address for the access point and the projector set correctly?	When not using a DHCP, adjust each setting. ☛*User's Guide* "Network Menu (EMP-1815 Only)"
Are the access point and the projector's subnet different?	Select "Manual search" from EMP NS Connection, specify the IP address, and connect. ☛"When the Projector you want to Connect to is not Displayed" "Searching by Specifying the IP Address and Projector Name (For Advanced Connection Mode)"

■ The slide show cannot be displayed on the desired display when the multi-screen display function is being executed.

Check	Remedy
Are you using PowerPoint 2002 or an earlier version? **For Windows**	To set and use two or more virtual displays, use PowerPoint 2003, or limit the number of virtual displays to one before displaying the slideshow.

■ Applications are no longer displayed from the computer's screen when the multi-screen display function is executed.

Check	Remedy
Is another application running on the virtual display? **For Windows**	When EPSON Virtual Display is installed, another application sometimes runs on the virtual display. In this case, set "EPSON VirtualDisplay" to "Off" at "Screen properties".

■ The mouse cursor is not displayed on the computer's screen.

Check	Remedy
Is EPSON Virtual Display installed? **For Windows**	The mouse cursor was moved onto the virtual display. Move the mouse until the mouse cursor is displayed.

■ The image and sound for movies in Network Presentation are not displayed, or the image is slow to appear

Check	Remedy
Did you try to play back movies with Media Player or try to operate the screen saver preview?	Depending on the computer, the movie play back screen in Media Player may not be displayed, and the screen saver preview may not be displayed normally.
Is WEP encryption effective, or are multiple projectors connected?	The display speed decreases when WEP encryption is effective or multiple projectors are connected.
Is DHCP effective for wireless LAN access point mode or wired LAN?	When DHCP is set in Advanced Connection Mode or wired LAN connection, if a DHCP server that can be connected to is not found, it takes time to enter EasyMP standby status.
Was EMP NS Connection started while a movie was playing, or were the resolution and colour number changed? **For Macintosh**	When playing back movies, start EMP NS Connection first before starting play back. If EMP NS Connection is started during movie play back and the display screen resolution and colour number are changed, in this case move the movie playback window, minimize it, or resize it and so on.
Is wireless LAN 802.11g/b being used in "Quick Connection Mode"?	Depending on the electromagnetic wave environment, there are times when the image and sound for movies may stop. When using the movie sending function, use "Advanced Connection Mode" or wireless LAN 802.11a in "Quick Connection Mode".

■ PowerPoint slide show does not work in Network Presentation

Check	Remedy
Was EMP NS Connection started while PowerPoint was starting? **For Windows**	When connecting with Network Presentation, makes sure you close PowerPoint first. Slide show might not run if connecting while it is started.

■ The screen is not updated when Office applications are used with Network Presentation

Check	Remedy
Is the mouse moved continuously?	When you stop moving the mouse cursor, the screen is updated. If the screen does not update quickly, stop moving the mouse cursor.

■ Cannot specify files with EMP SlideMaker2

Check	Remedy
Is a PowerPoint file (.ppt) with a PowerPoint 95/97 format being used?	Files created with PowerPoint 95/97 and files saved in PowerPoint 95/97 format cannot be edited with EMP SlideMaker2. You can use after saving with PowerPoint 2000/2002/2003. ☛ p.56
If a PowerPoint file (.ppt) cannot be included in a scenario, or it cannot be displayed as a thumbnail, is the Microsoft Office JPEG converter installed?	Install the JPEG converter. See the Microsoft Office User's Guide for details on installing the JPEG converter.

■ Error message when starting up EMP NS Connection

Check	Remedy
Failed to connect to the projector.	Try to connect again. If it still does not connect, check the network settings on the computer and the network settings for the projector's EasyMP. For EasyMP network settings, see ☛"Wireless LAN Connection in the Advanced Mode"
The keyword does not match. Check how it is displayed by the projector, and enter the correct keyword.	Check the projector's keyword displayed on the EasyMP screen, and enter the projector's keyword.
The selected projector is busy. Do you want to continue the connection process?	You tried to connect to a projector that is connected to another computer. When the "Yes" button is clicked, it connects to the projector. The connection between the projector and the other computer is cut off. When the "No" button is clicked, it does not connect to the projector. The connection between the projector and the other computer is maintained.
Failed to reset EMP NS Connection.	Restart EMP NS Connection. If the message still appears, uninstall and then reinstall EMP NS Connection. ☛*Wireless LAN Quick Connection Guide* - "Installing EasyMP Software"
Cannot connect because the keyword was wrong.	When connecting to a projector for which a projector keyword has been set, the wrong keyword is entered. Check the keyword that is displayed on the projector's connection standby screen. After the connection is cut off and then reconnected, enter the projector keyword on the keyword entry screen that is displayed. ☛"Wireless LAN Connection in the Advanced Mode"
Failed to acquire network adaptor information.	Check the following point. • Is a network adaptor installed on the computer? • Is the driver for the network adaptor used installed on the computer? After checking, restart the computer and connect again. If you still cannot connect, check the following. Check the network settings on the computer and the network settings on the projector. For network settings, see ☛ p.22
One or more connected projectors do not support resolutions greater than SXGA. Reduce the screen resolution and reconnect.	There is an ELP-735 projector in the connection destination. Change the computer's screen resolution to SXGA (1280 × 1024) or less.
There are projectors that do not respond.	You cannot connect to multiple projectors simultaneously. Check the network settings on the computer and the network settings for the projector's EasyMP. For network settings, see ☛ p.22
Enter the keyword displayed in the projector.	Check the projector's keyword displayed on the EasyMP screen, and enter the projector's keyword.

■ Error message when starting up EMP SlideMaker2

Check	Remedy
** .SIT is already registered. (** Scenario file name)	Scenario files that have already been added to "Autorun Scenario List" cannot be added again. ☛ p.68
Because the folder hierarchy is deep, the scenario file cannot be selected.	Because the hierarchy of the folder with the scenario file added to "Autorun Scenario List" is deep, it cannot be selected. Change the destination for sending the target scenario file. ☛ p.68
Insufficient storage capacity on the disk.	Insufficient storage capacity in the drive to transfer scenario, cannot transfer the scenario. Make space in the drive so that the scenario can be sent by deleting any unnecessary files.
** An invalid path is included. (** the path name that includes the scenario file name)	The path for the file to be opened was not found. Because of the following. The scenario file was moved to another folder since it was last saved with EMP SlideMaker2. The folder name containing the scenario file was changed since it was last saved with EMP SlideMaker2. The scenario file you are trying to open was deleted. Select File - Open and open the target scenario file, or search for it by using the Windows search function and so on.
** The disk became full during accessing. (** the path name that includes the scenario file name)	Insufficient storage capacity in the drive containing the work folder, cannot save the scenario file. Make space in the drive containing the work folder so that the scenario file can be saved by deleting any unnecessary files.
The specified document cannot be opened.	The PowerPoint file you are trying to add to the scenario is corrupted or cannot be used because it is incorrect. Use another PowerPoint file.
Specify a different name or a different directory	A file with this name already exists. Change the scenario name and then save.

■ Mail is not sent even if an abnormality occurs in the projector

Check	Remedy
Is the wireless LAN unit connected?	Check that the wireless LAN unit is securely connected.
Is the network connect setting correct?	Check the projector's network settings. ☛*User's Guide* "Network Menu (EMP-1815 Only)"
Is "Standby Mode" set to "Network On"?	To use the mail notification function when the projector is in standby, set "Network On" in "Standby Mode" from the configuration menu. ☛*User's Guide* "Extended"
Did a fatal abnormality occur and the projector come to a sudden stop?	When the projector comes to a sudden stop, mail cannot be sent. If, after checking the projector, the abnormal state continues, contact your local dealer or the nearest address provided in the World-Wide Warranty Terms.
Is power being supplied to the projector?	Check that your electrical outlet or power source is functioning correctly.
Is the network cable connected correctly? **For Wired LAN**	Check that the network cable is connected correctly. Reconnect it if it is not connected or not connected properly.

■ Cannot control or monitor the projector with EMP Monitor

Check	Remedy
Is the wireless LAN unit connected? **For Wireless LAN**	Check that the wireless LAN unit is securely connected.
Is the network connect setting correct?	Check the projector's network settings. ☛*User's Guide* "Network Menu (EMP-1815 Only)"
Is EMP Monitor correctly installed in the computer?	Uninstall and then reinstall EMP Monitor.
Are all of the projectors that you want to monitor and control registered to the projector list?	Register them to the projector list. ☛*EMP Monitor Operation Guide*
Is "Standby Mode" set to "Network On"?	To use the EMP Monitor when the projector is in standby, set "Network On" in "Standby Mode" from the configuration menu. ☛*User's Guide* "Extended"
Is power being supplied to the projector?	Check that your electrical outlet or power source is functioning correctly.
Is the network cable connected correctly? **For Wired LAN**	Check that the network cable is connected correctly. Reconnect it if it is not connected or not connected properly.

■ Error message when starting up EMP Monitor

Check	Remedy
The password is incorrect.	The wrong password was entered. Enter the correct password. If you forget the password, start "Network Settings" in "Network" from the configuration menu, and check "WEB Control Password" in "Basic Settings".
Cannot connect to the projector for the IP address that was entered.	Check whether the network settings for the projector you want to connect to, the wired LAN or Advanced Connection Mode (wireless LAN) are the settings that are used. When "Quick Connection Mode" is selected from "Wireless LAN", the setting is changed to "Advanced Connection Mode". Next, check the "IP Address" for the "Wired LAN" or the "Wireless LAN" and register the "IP Address" manually. ☛ *EMP Monitor Operation Guide* If it still does not connect, check the network settings on the computer and the network settings for the projector. For network settings, see ☛ p.22

Glossary

This section explains easily terms that are used with the projector and difficult terms that are not explained in the text of this guide. For details, refer to other commercially available publications.

Ad hoc	A method of wireless LAN connection that communicates with wireless LAN clients without using an access point. It is not possible to communicate with two or more devices simultaneously.
Authentication server	A server to perform user authentication. When an authentication server is used, user information management and user authentication operations are unified. Also, because the authentication server often provides an advanced authentication method, it is also effective as a security countermeasure.
Channel	Communication speeds drop if there are too many devices performing wireless communication by using the same frequency. In this case, interference from other wireless LANs can be avoided by setting a different wireless channel for each wireless LAN network.
DPOF	An abbreviation of Digital Print Order Format, this is a format for recording information (photos that you want to print, number of copies, and so on) to print photos taken with a digital camera in recording media such as memory cards.
DVI	An abbreviation of Digital Visual Interface, this is the standard by which video signals are transmitted digitally. DVI is the standard not only for computers, but also for digital home appliances to be able to transfer images with a resolution greater than DFP, and there is also an encryption function in the digital signal.
MAC address	An abbreviation of Media Access Control.The MAC address is an ID number unique to each network adaptor. A unique number is assigned to each network adaptor, and data is transmitted between network adaptors based on this identification.
NDIS	An abbreviation of Network Driver Interface Specification, this is the standard specification of network drivers to use network cards such as wireless LAN cards set by the Microsoft Company and so on. It provides communication protocols for OS, software, and drivers to communicate, as well as communication protocol regulations for drivers and network cards.
RADIUS Server	"RADIUS" is an abbreviation of Remote Authentication Dial-In User Service, this is a protocol that starts wireless LAN and is used for authentication by a variety of network services. A RADIUS server with an authentication server that uses RADIUS performs authentication for access to a wireless LAN access point with information such as user name and password. When a RADIUS server is used, user information does not need to be individually registered for each access point even when there are multiple wireless LAN access points, and the access point and the users can be controlled.
SVGA	A type of video signal with a resolution of 800 (horizontal) × 600 (vertical) dots that is used by IBM PC/AT-compatible computers.
SXGA	A type of video signal with a resolution of 1,280 (horizontal) × 1,024 (vertical) dots that is used by IBM PC/AT-compatible computers.
USB	An abbreviation of Universal Serial Bus, this is an interface to connect relatively low-speed peripherals between computers.
UXGA	A type of video signal with a resolution of 1,600 (horizontal) × 1,200 (vertical) dots that is used by IBM PC/AT-compatible computers.
VGA	A type of video signal with a resolution of 640 (horizontal) × 480 (vertical) dots that is used by IBM PC/AT-compatible computers.
Virtual display	The screen for one computer is output to multiple displays. A large virtual screen can be created by using multiple displays.
XGA	A type of video signal with a resolution of 1,024 (horizontal) × 768 (vertical) dots that is used by IBM PC/AT-compatible computers.

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