EPSON
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EasyMP™ Operation Guide

Multimedia Projector

EMP-1825

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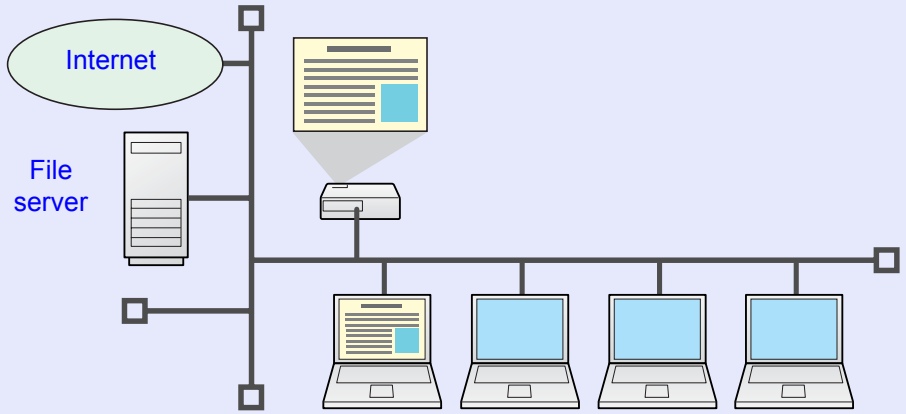
EasyMP Summary

The following functions in EasyMP (Epson Administrative System for Meeting and Presentation) can lend you huge support in creating varied and effective meetings and presentations.

Connect the projector to a computer via a network and project (EMP NS Connection)

You can hold efficient meetings and presentations by connecting the projector to a network.



■ Advance preparation is unnecessary

Because you can project materials stored on a shared file server or on your desktop from the conference room, you do not need to make copies of data in advance.

■ Smooth progress

If the projector is connected to a network, you can share the projector from computers on the network. When projecting data from different computers during a meeting or presentation, you can progress smoothly without changing the signal cable between each computer.
Even a large distance between the projector and the computer does not cause any problems.

■ Various screen transfer functions

- Distribution function ☛ p.9
- Switching function ☛ p.9
- Multi-screen display ☛ p.23
- Movie sending mode ☛ p.21
- Presentation mode ☛ p.20

■ Monitor, configure, and control the projector from a remote location

The following convenient functions collectively manage projectors in various conference rooms.

- Monitor and detect problems from SNMP Manager on the network ☛ p.47
- Receive an e-mail notification if a problem occurs ☛ p.46
- Set and control the projector by using a standard computer Web browser ☛ p.45

Project images from your computer using "Network projector" in Windows Vista

With Windows Vista, you can use the standard feature "Network projector" to connect the projector to a computer via a network and then project. This lets you make presentations via a network by simply using a standard OS function without installing any software. ☛ *User's Guide* "Network Projector (EMP-1825)"

Connect a USB cable to your computer and project images from the computer's screen (USB Display)

By using a commercially available USB cable to connect to a computer running Windows you can project images from the computer. ☛ *User's Guide* "Connecting USB Devices (Digital Camera, Hard Disk Drive or Memory Devices) (EMP-1825 Only)"

Installing the Software

To use the EasyMP functions, install the software from the supplied EPSON Projector Software for Meeting & Presentation CD-ROM onto your computer.

Software Supplied

You can find the following software on the EPSON Projector Software for Meeting & Presentation CD-ROM.

- EMP NS Connection
  Software for sending computer screen images to connected projector via a network connection.
- EMP SlideMaker2
  Software for converting PowerPoint files into scenario files that can be projected directly with PC Free.
  Only the necessary slides are extracted and sorted without changing the original PowerPoint file, and you can insert graphics files and animation files as you progress.
- EMP Monitor
  Software that lists the current status of Epson projectors connected to the network, and monitors and controls those projectors. You can collectively manage multiple projectors by using EMP Monitor.

Installing

Make sure you check the following points before starting installation.

- If the computer you are using is running Windows XP, Vista, or 2000 you must be logged on as the Administrator when installing.
- Make sure that you close all running applications before beginning installation.
- Make sure you are using EMP NS Connection Version 2.4. If you are using an older version, it may not be able to connect to the projector correctly. Make sure you install EMP NS Connection Version 2.4 from the EPSON Projector Software for Meeting & Presentation CD-ROM supplied with your projector.

Procedure

For Windows

1. **Turn on your computer.**
2. **Insert the EPSON Projector Software for Meeting & Presentation CD-ROM into the computer.**
   The installer starts automatically.
3. **Click "Easy Install".**
   To select software and install it individually, select "Custom Install". To change the language in which the software is displayed, click "Select a language".
4. **Check the applications to be installed, and then click "Install".**

5 **When the License Agreement screen is displayed, click "Yes".**

6 **When the "Add-Remove EPSON Virtual Display" screen is displayed, click "OK".**

To use Multi-screen display you need to setup "EPSON Virtual Display". If you do not want to set it up now, you can do so later.
☛ p.24

7 **Click "Exit" to complete the installation.**

Once selected, software such as "EMP SlideMaker2" and "EMP Monitor" is installed sequentially.

For Macintosh

1 **Turn on your computer.**

2 **Insert the EPSON Projector Software for Meeting & Presentation CD-ROM into the computer.**

3 **Double-click the "Installer for Mac OS X" icon in the "EPSON" window.**

Installation starts.

4 **Click "Finish" to complete the installation.**

- *When installation does not start automatically (Windows only) Select "Start" - "Run", and then in the "Run" dialog box type the letter for your CD-ROM drive followed by ":\\EPsetup.exe" and then click "OK".*
- *Uninstalling*

For Windows

Select "Start" - "Settings" - "Control Panel" - "Add-Remove Programs" or "Add or Remove Programs" and then remove "EMP NS Connection".

For Macintosh

From "Applications" delete the "EMP NS Connection" folder.

Connecting with EMP NS Connection

This section explains how to connect the computer and the projector via a network in Advanced connection mode, and the procedure for projecting images from your computer's screen with the projector.

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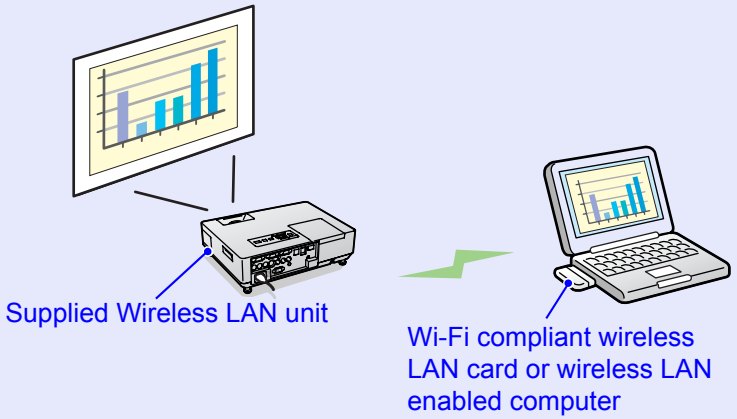
Overview of EMP NS Connection

There are two methods of connecting the projector and a computer via a network by using EMP NS Connection.

Two Connection Modes and their Main Functions

"Quick Connection Mode" (only when the "Wireless LAN unit" is installed)

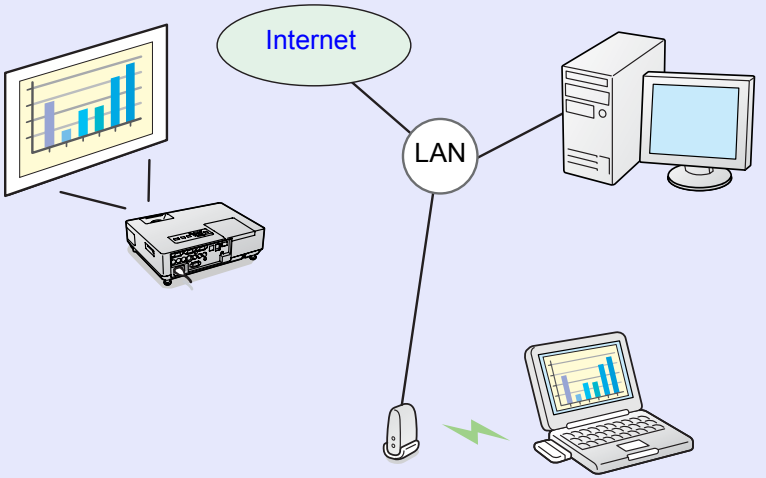
"Quick Connection Mode" only runs when you install the supplied "Wireless LAN unit" in the projector.
"Quick connection mode" temporarily assigns the projector's SSID to a computer creating an ad hoc connection, and after disconnecting restores the computer's network settings. ☛ p.11



- You can easily connect to a computer and project images from the computer without making network settings.
- This lets you connect easily without a connector cable, and you can connect even if the projector and the computer are at remote locations.

"Advanced Connection Mode"

"Advanced Connection Mode" is an infrastructure connection, and connects to an existing network system via a network cable.
If you install the supplied "Wireless LAN unit" in the projector, you can connect to the network via a wireless LAN access point. If you install the optional "Ethernet unit" you can connect to a network without an access point. When connecting to a network via the Ethernet unit, connect the projector to the network hub with a commercially available LAN cable.

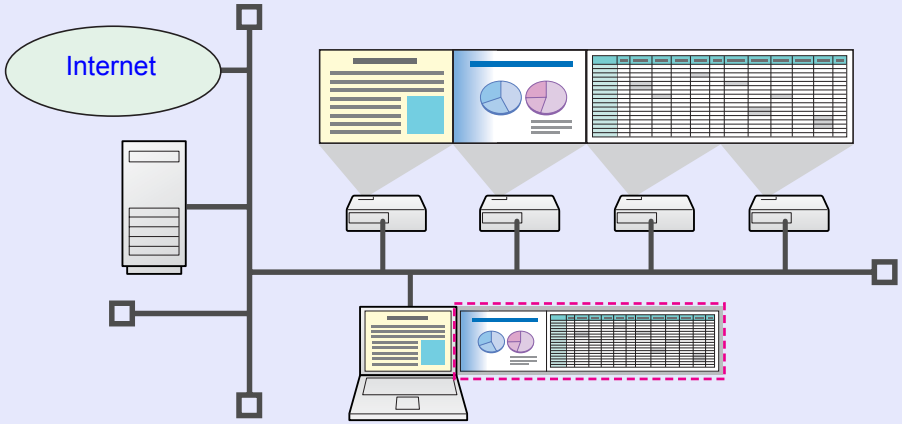


- From a conference room, you can open and project a file stored on a computer or file server in another room.
- You can use the Internet.
- You can monitor and control projector's on a network from the computer.

Main functions

The following convenient functions let you make various meetings and presentations.

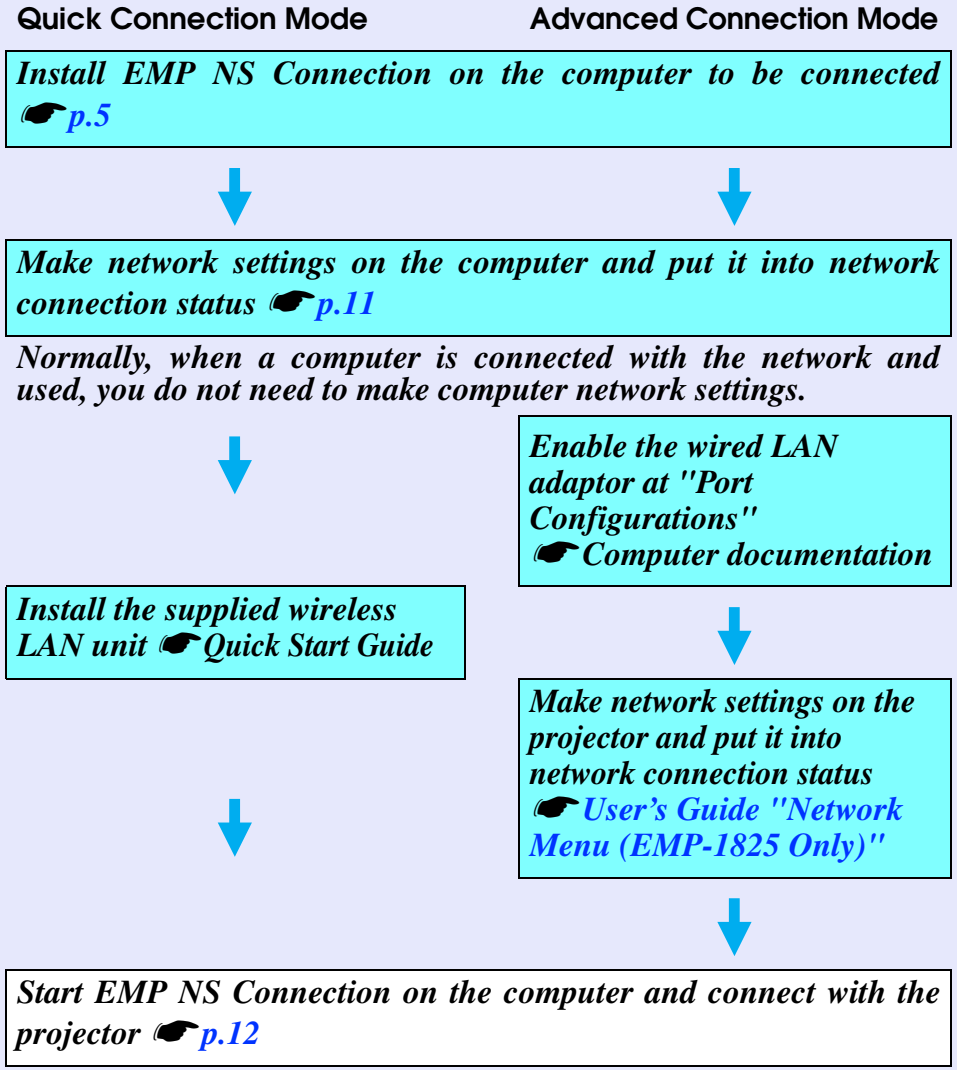
- Multi-Screen Display ☛ p.23
  You can project different images from one computer to a maximum of four projectors, allowing you to project landscape images such as reports.



- Movie file transfer (Movie Sending Mode) ☛ p.21
  By using "Movie Sending Mode", a movie can be projected much smoother than when it is being sent from an application running on a PC. Because the audio is sent at the same time as the movie, you do not need to connect the computer and the projector with an audio cable.
- Presentation mode ☛ p.20
  This function can project PowerPoint slide shows running on a computer. You can give stylish presentations by projecting a black screen while making preparations or when not performing a slide show and so on.
- Distribution function
  The screen being displayed by a remote computer can be simultaneously displayed by up to four projectors with corresponding SSID.
- Switching function
  By using the meeting switching function, if EMP NS Connection is installed on all of the computers, the presenters can take turns and project their own images without changing cables.

Steps for connecting

Use the following steps to connect your computer and projector for projection with EMP NS Connection. Although "Quick Connection Mode" and "Advanced Connection Mode" are similar, "Advanced Connection Mode" has some independent settings. For detailed procedures, see examples of connecting with "Quick Connection Mode" starting on the next page. ☛ p.11
In the following illustration, you only need to perform the light blue sections the first time you connect.



Use the following steps to prepare the projector and computer for connection.

Preparing the Computer

For Windows

Make network settings for the computer by using the utility software supplied with the LAN adapter. For more information on the utility software, see the User's Guide supplied with your LAN adapter.

For Macintosh

Set the network port and communication status. For more details on setting the communication status, see the Userís Guides for your computer or the AirPort card.

Procedure

1. **Select "System Preferences" - "Network" from the Apple menu.**

   The network settings screen is displayed.

2. **Check "AirPort" in "Port Configurations" and click "Apply Now".**

3. **Close the screen.**

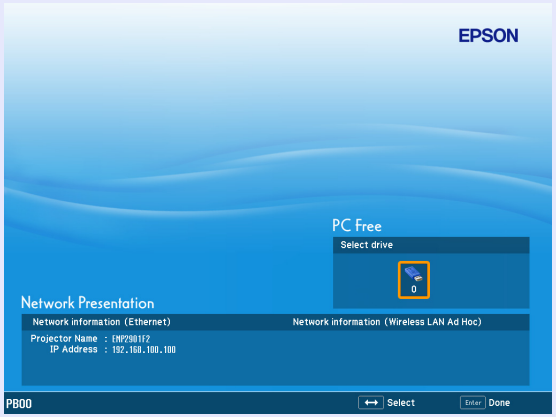
Operating the Projector

Before connecting, put the projector into connection standby status. Make sure the projector network settings are complete, and the projector is connected to network equipment such as a network hub via a commercially available network cable.

Procedure

1. **Press the [⏻] button on the remote control to turn the power on.**

2. **Press the [EasyMP] button on the remote control.**
   The EasyMP standby screen is displayed.



Operating the Computer

In the following explanations, unless otherwise noted, Windows screen images are used. You see the same screens even when using Macintosh.

Procedure

1. **Start EMP NS Connection.**

   For Windows

   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"Quick Connection Mode" and then click "OK".**
   The projector search results are displayed. To always connect using "Quick Connection Mode", select "Set the selected Connection Mode as the default mode for future connections".

3. **Select the projector you want to connect to, and then click "Connect".**
   If the projector you want to connect to is not displayed in the search results, click the "Automatic search" button. The search takes about 30 seconds.
   For details on the connection screen, see "Using the Connection Screen". ☛ p.13

4 When Projector Keyword is set to "On" from the projector, the keyword entry screen is displayed. Enter the keyword displayed on the EasyMP standby screen, and then click "OK".

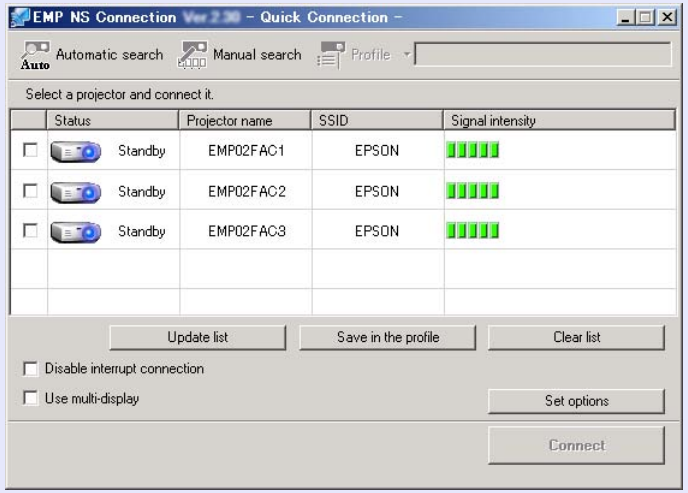
When the connection is complete, the computer's screen is projected. The following EMP NS Connection toolbar is displayed on the computer screen. You can use this toolbar to operate the projector and make settings, and to disconnect the network connection.

For details on using the toolbar, see "Using the Toolbar". ☛ p.15

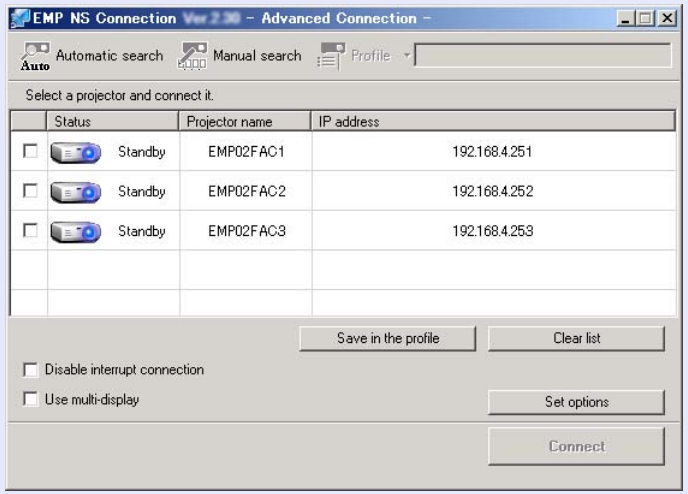
Using the Connection Screen

When EMP NS Connection starts, the following screen is displayed. The operation of each button or menu item is described in the following table.

When the system starts in "Quick Connection Mode".



When the system starts in "Advanced Connection Mode".



Automatic search

In "Advanced Connection Mode", you can search for available projectors on the network system that the computer is connected to.
In "Quick Connection Mode", you can search for the projector based on the SSID.

Manual search

In "Advanced Connection Mode", you can search for a projector based on a specified IP address or projector name.
In "Quick Connection Mode", you can search for the projector based on the SSID selected from a list.

Profile

You can search for a projector on the network using a profile saved with "Save in the profile". ☛ p.36

Status

The following six icons indicate the status of the discovered projectors.

	Standby	Select for connecting.
	Busy	Select for connecting. When you click "Connect", the computer currently connected is disconnected and your computer is connected.
	Busy (Disable interrupt connection)	Cannot be selected. "Disable interrupt connection" is set on the other computer and it is already connected.
	Currently in use by another application	The projector's configuration menu is open. You can select it after closing the configuration menu and running the search again.
	Searching	Displayed while running "Manual search" or "Profile".
	Not found	Displayed when a projector cannot be found as a result of "Manual search" or "Profile".

In "Quick Connection Mode", you can only select those with the same SSID.

Projector name

The projector's name is displayed.

IP address ("Advanced Connection Mode" only)

The projector's IP address is displayed.

SSID ("Quick Connection Mode" only)

The projector's SSID is displayed.

Display (When "Use multi-display" is selected)

Select the display number. ☛ p.31

Update list ("Quick Connection Mode" only)

Updates "Status" and "Signal intensity".

Save in the profile

Saves the results of a search for projectors on the network as a profile. ☛ p.36

Clear list

Deletes all search result lists.

Disable interrupt connection

Select this to prevent an interrupt connection by other computers while connected to the selected projector.

Use multi-display

Select this when using the Multi-screen display function. When this is selected, "Display layout" and "Display properties" are displayed at the bottom of the screen. ☛ p.23

Set options

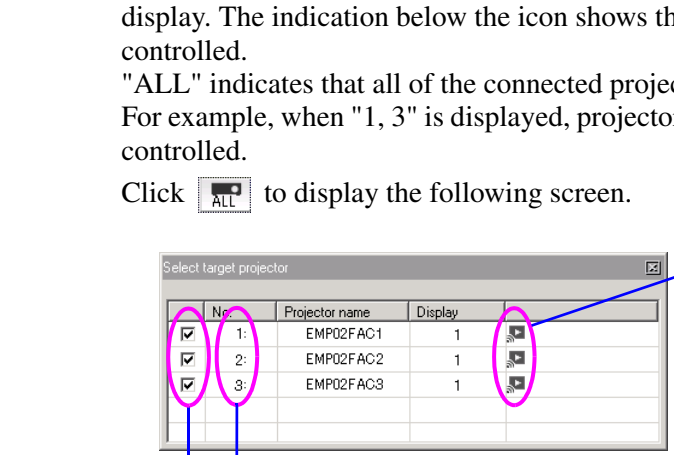
You can make general setting options such as the processing method when EMP NS Connection starts. For optional settings, see ☛ p.42

Connect

Connect to the projector you selected from the search results list. When a connection is made with a projector, a toolbar is displayed.

Using the Toolbar

The toolbar is displayed on the computer screen after EMP NS Connection starts and a connection is made with the projector. You can use this toolbar to operate and make settings for the projector.



Select target projector

Click to limit the projector operated from the toolbar when projecting from multiple projectors using the distribution function or Multi-screen display. The indication below the icon shows that the projector can be controlled.
"ALL" indicates that all of the connected projectors can be controlled. For example, when "1, 3" is displayed, projectors No. 1 and No. 3 can be controlled.

Click to display the following screen.

Stop

Stops projection while connected to the projector. A black screen is projected while stopped. Audio does not stop. To stop the audio, or to display a user-registered logo while projection is stopped, use the A/V mute function.

Show

Releases stop or pause.

Pause

Pauses projected images while connecting to the projector. Audio does not stop.

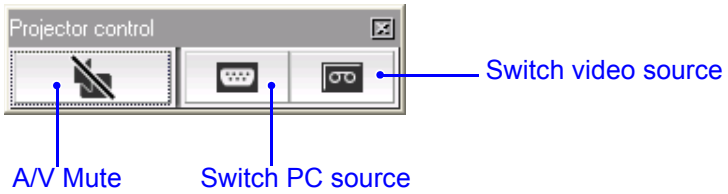
Presentation Mode

Each time this is clicked, Presentation mode switches between enabled/disabled. ☛ p.20

Projector control

While the projector is connected to the network, the projector's "A/V Mute", "Switch PC source" and "Switch video source" functions can be controlled from both the remote control and the projector's operating panel.

Click to display the following toolbar.



A/V Mute

The same function as the [A/V Mute] button on the remote control.

☛ *User's Guide* "Remote Control"

Switch PC source

Click to change the input source in the order of Computer1 input port - Computer2 input port - BNC input port - EasyMP.

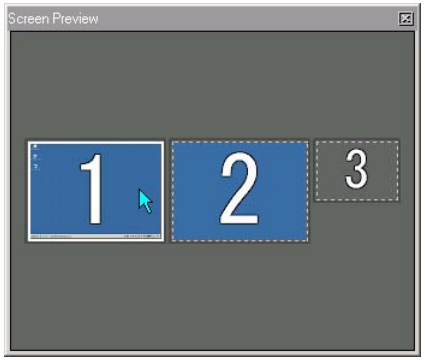
Switch video source

Click to change the input source in the order of S-video input port - Video1 input port - Video2 input port - HDMI input port. The S-video input port does not switch if the cable is not connected.

Screen Preview

Displays the multi-screen preview screen.

Clicking causes a preview of the display with the settings you have made to appear. Clicking each display causes each preview window to be enlarged to full-screen.



Set options

Transmission performance during the transfer of computer images can be adjusted. ☛ p.42

Movie Sending Mode

Used to immediately play back a movie file. ☛ p.21

Disconnect

Disconnect

Disconnects the connection to the projector.

Signal intensity

This is displayed when the connection is made in the "Quick Connection Mode". As the signal strength increases, so does the number of lit indicators.

Switch toolbar display

The toolbar display is switched as follows. The toolbar display remains as is until next switched.

Full

Normal

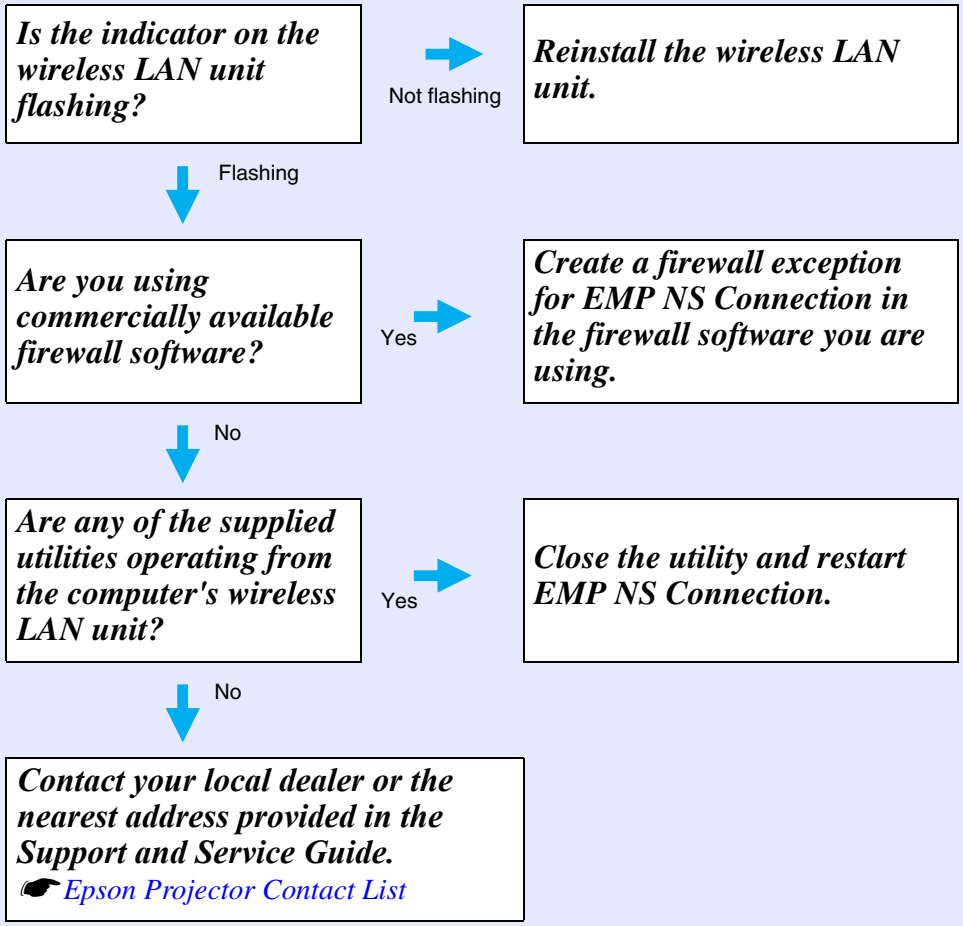
Simple

When The Target Projector is Not Found

Action 1. Restart the computer.

Action 2. Check if the projector network settings are set to "Quick Connection Mode". ☛ *User's Guide* "Network Menu (EMP-1825 Only)"

Action 3. Check the following if actions 1 and 2 do not help. (If it is disconnected, check the following.)



Disconnecting

There are two methods of disconnecting the projector and the computer.

Disconnecting from the Computer

Click Disconnect **on the toolbar.**

Disconnecting from the Projector

Procedure

1. **Press the [Esc] button on the remote control.**
2. **Select "Exit", and then press the [Enter] button on the remote control.**

Convenient EMP NS Connection Functions

This section explains those functions that may be useful during meetings or when making a presentation, such as the ability to send a movie file directly to a projector for playback ("Movie Sending Mode") or that which allows you to send images to multiple projectors from a single computer ("Multi-Screen Display").

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Projecting Only a PowerPoint Slide show (Presentation Mode)

In Presentation Mode, the images are only displayed when performing a PowerPoint Slide show on a computer. When you stop Slide show, the projector displays a black screen. This is useful when you only want to display the Slide show.
In addition to PowerPoint, Keynote is compatible with Presentation Mode with the Macintosh.

Procedure

1. **If necessary, select another projector to be controlled.** ☛ p.15

2. **Click the button on the toolbar.**
   Presentation Mode begins.

3. **When in Presentation Mode, click the button again to exit Presentation Mode.**

Projecting Movies from a Computer (Movie Sending Mode)

In Movie Sending Mode, movie files can be sent directly to a projector. As a result, a movie can be projected much more smoother than when it is being sent from an application running on a PC.
Also, because the audio is sent at the same time as the movie, there is no need for an audio cable between the computer and the projector.
You can set to play back selected multiple files repeatedly and in sequence.

- ***Movie Sending Mode is valid for one projector only. It is not possible to apply Movie Sending Mode to more than one projector.***
- ***Depending on the communication method and the available reception, the image and sound may skip or stall.***

Supported File Types

The file types supported by Movie Sending Mode are listed in the following table.

File Type (Extension)	Movie Codec	Audio Codec	Recording Quality
.mpg*	MPEG2	MPEG1 Layer1/2 Linear PCM and AC-3 audio cannot be played back. MPEG contents with no sound can be played back.	Highest frame rate: 30 fps Maximum resolution: 720 × 576
.wmv .asf	WMV8 WMV9	WMA	

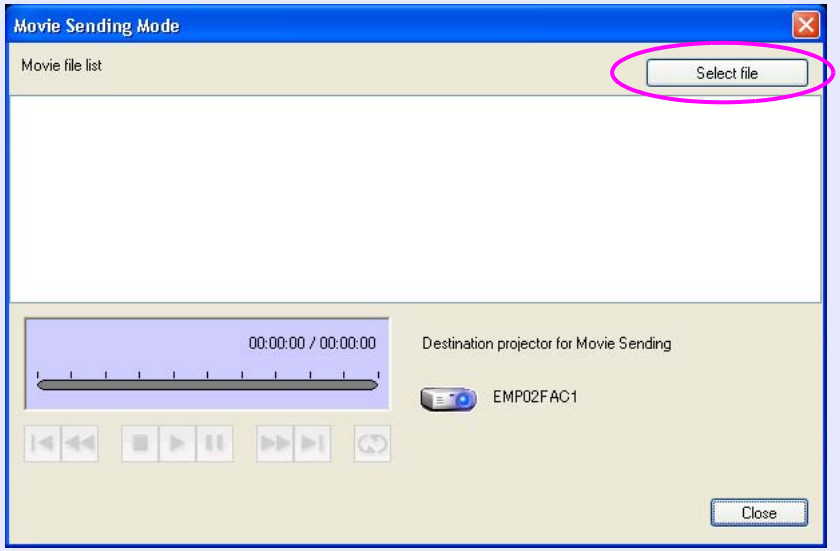
* Files with the extension ".mpeg" cannot be projected.

Files to which DRM (Digital Rights Management) is applied cannot be projected.

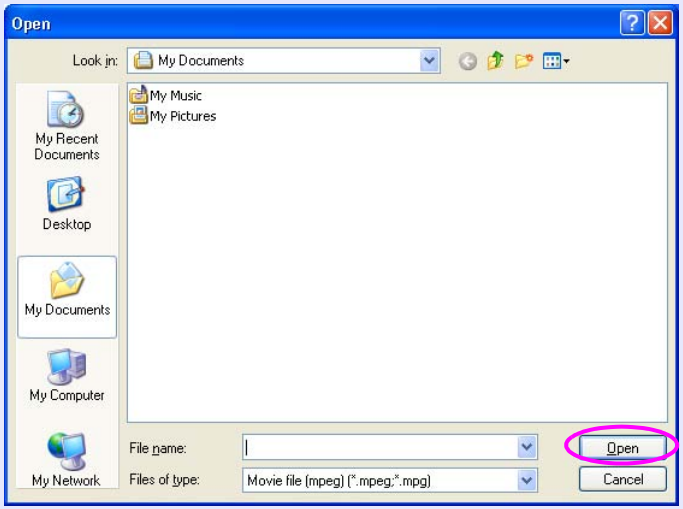
Playing back a movie

Procedure

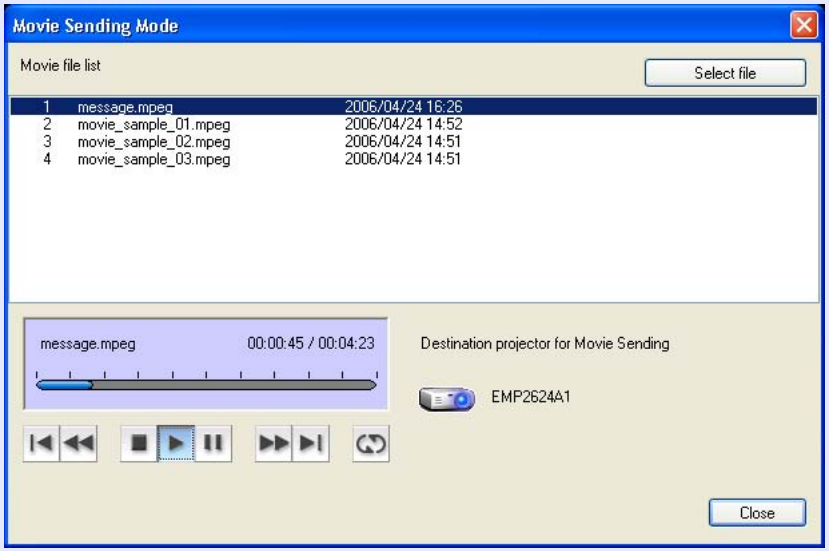
1. **Click the button on the toolbar.**
   The projector selection screen is displayed.
2. **Select the destination projector for Movie Sending and click "OK".**
   The "Movie Sending Mode" screen appears.
3. **Click "Select file".**



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



The "Movie Sending Mode" screen reappears. The selected files are displayed in the Movie Playback list.
If you perform "Select file" again, the Movie Playback list changes after you make your selection.



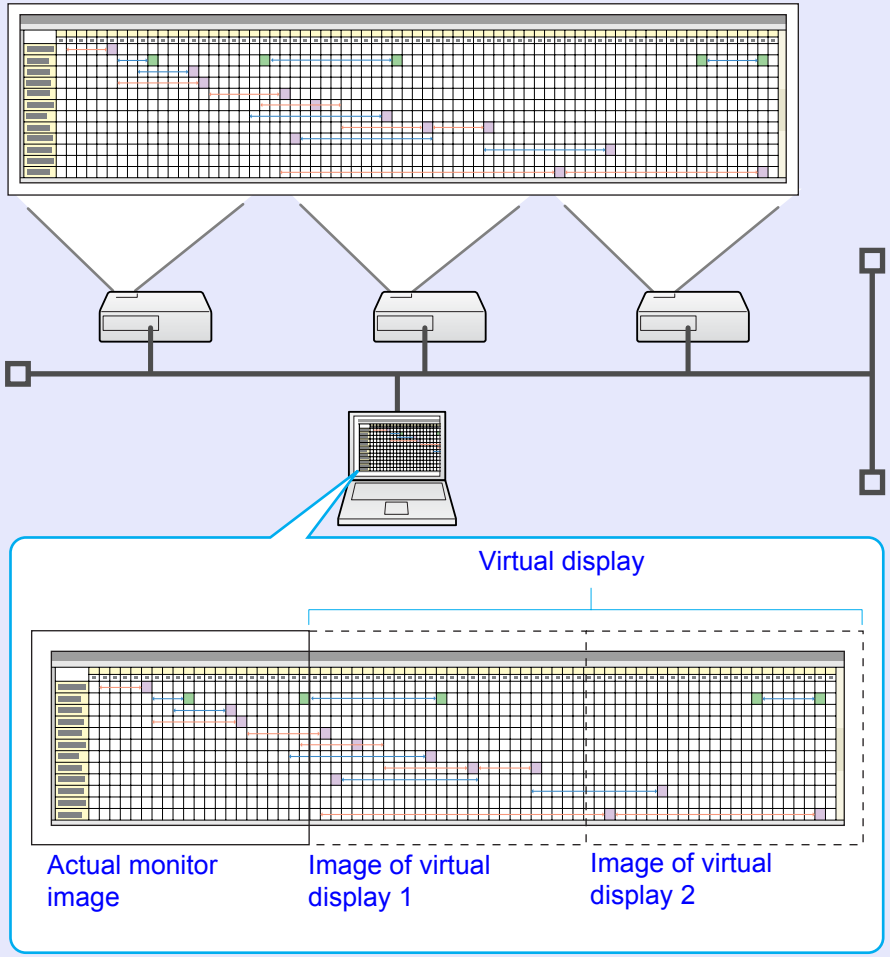
5 Use the operation buttons below to play and stop the movie files.

	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.
	Repeatedly plays back the file list in order. When there are multiple files in the list, it is not possible to repeatedly play back only some of those files.

6 Click "Close" to end Movie Sending Mode.

Using Multi-Screen Display

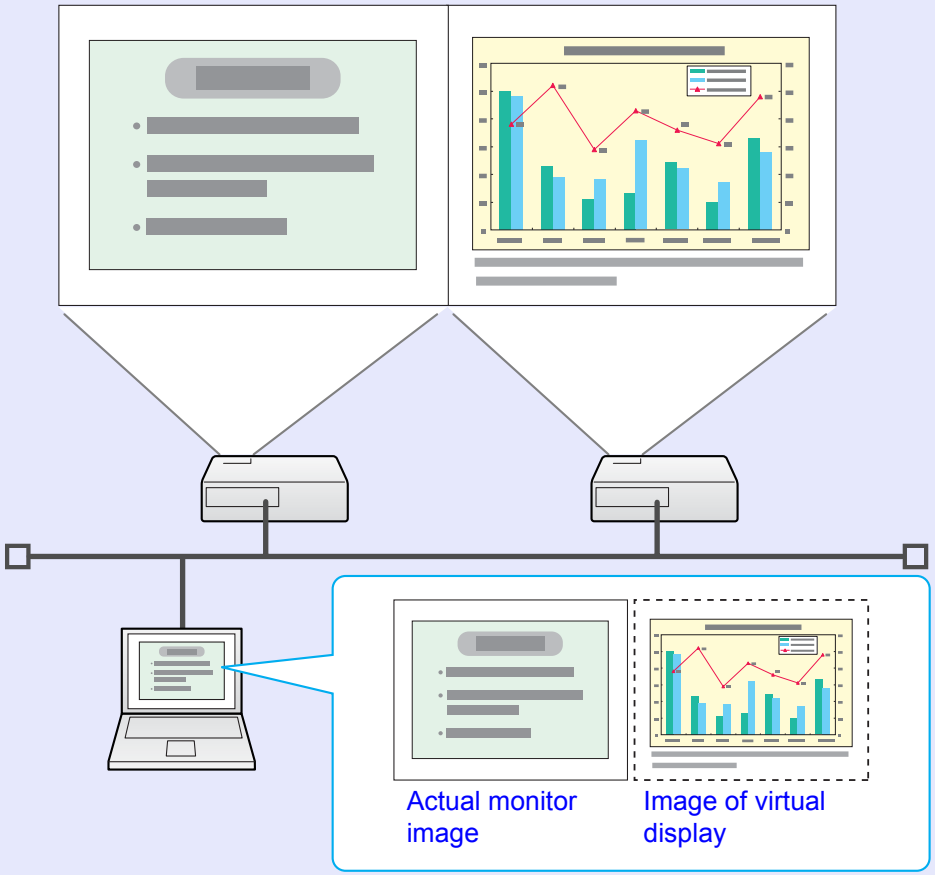
Multi-screen display mode allows you to project different images from multiple projectors that are connected to a single computer.
With Windows, multiple virtual displays can be set in the computer, and each image can be projected by the projector. This function is not available with Windows Vista due to restrictions in the Windows Vista specifications.
For the Macintosh, an external monitor must be connected to the computer to enable the use of the multi-screen display function. Whereas the above explanation has referred to "virtual display", in the case of the Macintosh, the operation relates to the screens displayed on the physically connected monitor.



Example of Adjusting the Virtual Display

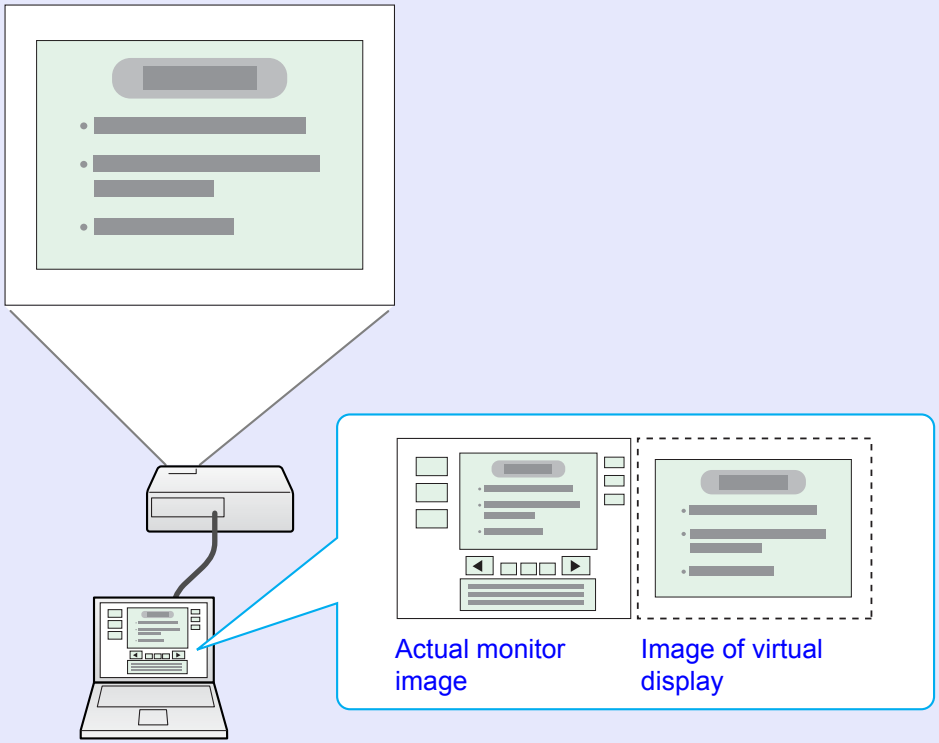
By arranging the virtual display allocation, you can project only the image that you want to show when making a presentation or project different images from left to right.

Arrangement example 1



Actual monitor	PowerPoint file
Virtual display	Excel file

Arrangement example 2



Actual monitor	PowerPoint file presenter tools
Virtual display	Slide show using a PowerPoint file

Procedure before using the Multi-screen Display Function

1. **Setting the Virtual Display** ☛ p.24

In a Windows environment, enable the virtual display driver as necessary. And, for both Windows and the Macintosh, set up the virtual display arrangement.

2. **Allocating the image to be projected** ☛ p.30

Open the file to be projected, and then move the screen to the virtual display according to the actual projection arrangement.

3. **The Allocated Image is Projected** ☛ p.31

Allocate a virtual display number to a projector that is connected through the network, and then start projection.

Setting the Virtual Display

The following explains how to allocate the computer image using 23 page "Arrangement example 1".

Enable the virtual display driver (Windows only)

Enable the virtual display driver. Those users listed below do not have to perform this operation. Perform the "Virtual display arrangement" (Windows), or "Virtual display arrangement" (Macintosh). ☛ p.25

- Those users who have enabled virtual displays installing EMP NS Connection.
- Those users who are using Macintosh computers.

Procedure

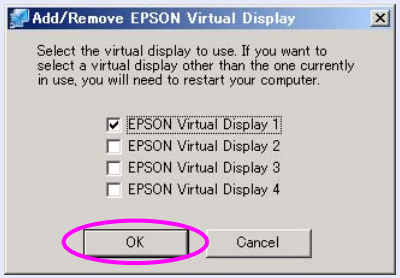
1 **Start Windows on the computer, then select "Start" - "Programs" (or "All Programs") - "EPSON Projector" - "Add-Remove EPSON Virtual Display".**

The "Add-Remove EPSON Virtual Display" screen is displayed.

2 **Select the virtual display you want to use.**

Up to four monitors can be added. In this case, a single virtual display is to be used, so select one. When, for example, using three projectors, such that you have to set multiple virtual displays, only select as many displays as is necessary.
Any one of the displays can be selected.

3 **Click "OK".**



When you click "OK", the drivers for the virtual display are enabled. At this point, it is normal for the display to flicker. Wait for the "Add-Remove EPSON Virtual Display" screen to close.

Virtual display arrangement

After starting EMP NS Connection, the setting up of the virtual displays varies between Windows and the Macintosh. The procedures are explained separately, below.
For Windows, follow the procedure below.
For the Macintosh, go to ☛ p.28.

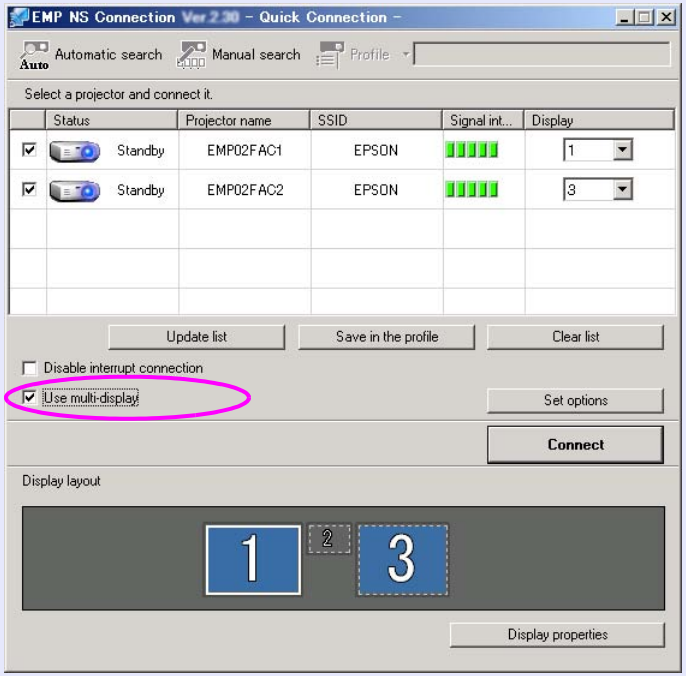
Check the following points before starting EMP NS Connection when connecting via wireless LAN. If the following points are not set correctly, Multi-screen display cannot be used.
- The SSID for the computer and each projector must be the same.
- The wireless LAN system for the computer and each projector's wireless LAN card must be the same.
You can modify the SSID and wireless LAN system for the projector from the "Network" menu in the projector's configuration menu. ☛User's Guide "Wireless LAN Menu"

Procedure

For Windows

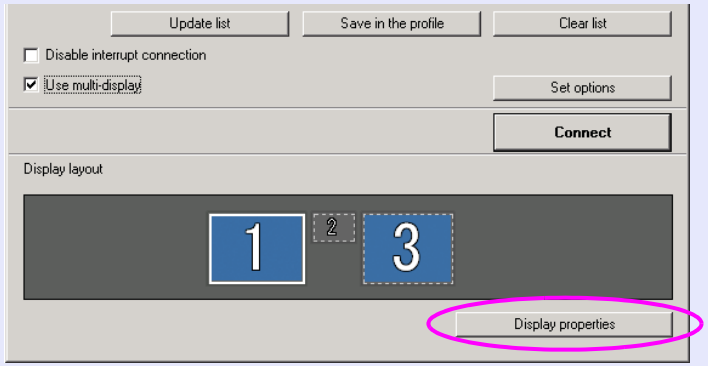
1 **Select "Start" - "Programs" (or "All Programs") "EPSON Projector" - "EMP NS Connection". EMP NS Connection starts.**

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



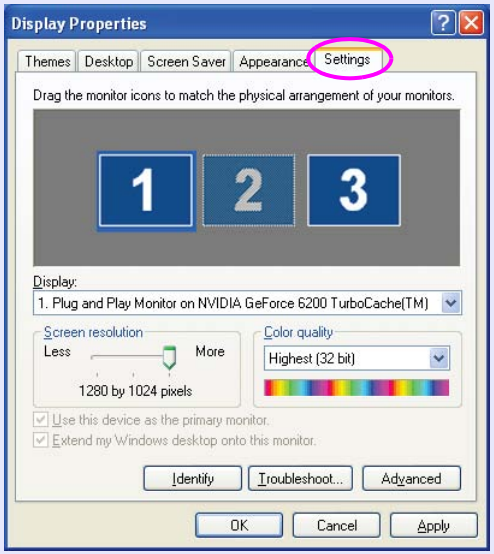
"Display layout" and "Display properties" are added at the bottom of the screen.

3 Click "Display properties".



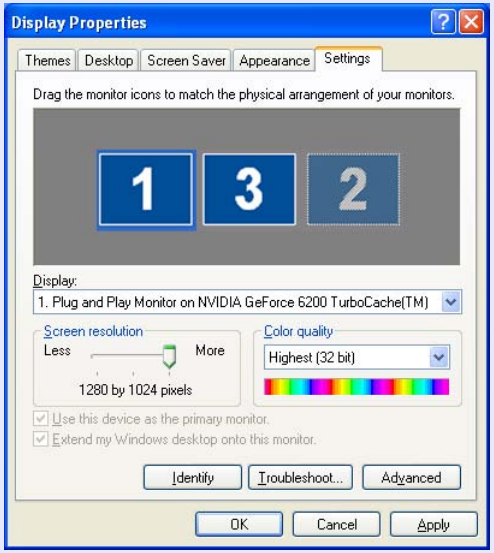
The "Display properties" screen will be displayed.

4 Click the "Settings" tab.



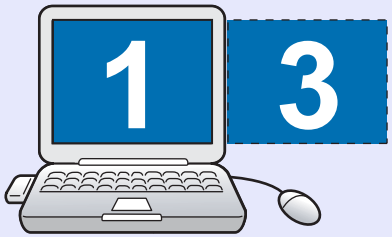
5 Drag the displayed monitor icon and place it where desired.

Here, the actual monitor (1) is placed on the left, while the virtual monitor (3) is placed on the right.
When the PC has multiple display output terminals, the numbers assigned to the virtual terminals will be sequential to those of the physical terminals.



- ***When an external monitor is connected as a secondary monitor, the image for that screen cannot be projected.***
- ***Depending on the hardware, the number of the secondary monitor may be other than "2". When the monitor icon is displayed on the screen, click the icon and confirm that the monitor type shown under "Display" is other than "secondary".***

When the monitor icon appears as follows, a virtual display is connected.



6 Click the "OK" button. The "Display properties" screen closes.

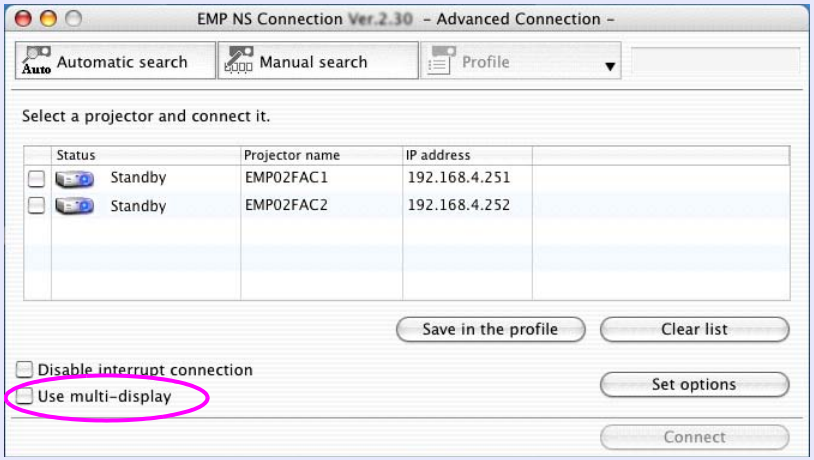
Up to this point, the virtual display layout has been fixed.
Go to ☛ p.30.

For Macintosh

1 Start EMP NS Connection. 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.

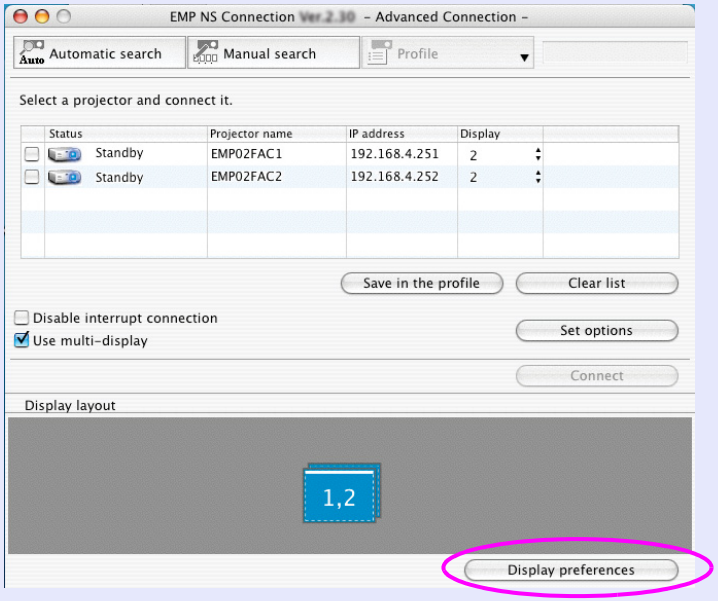
Select "Advanced Connection Mode" and then perform startup.
The "Advanced Connection Mode" screen is displayed.

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



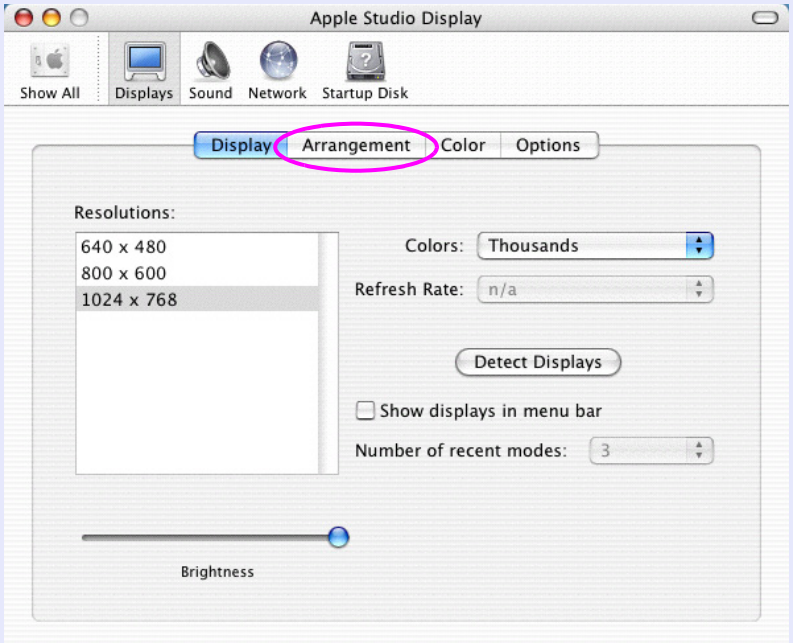
"Display layout" and "Display properties" are added at the bottom of the screen.

3 Click "Display preferences".

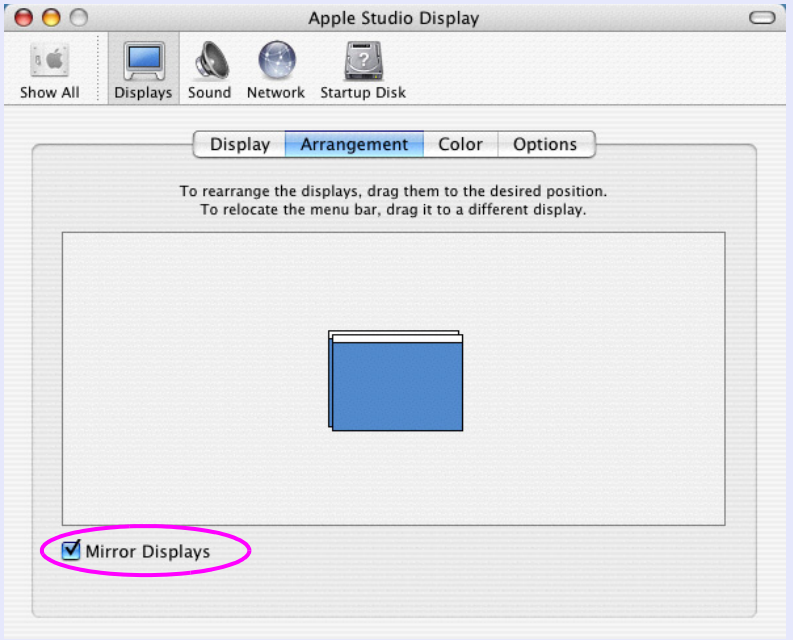


The display setting screen is displayed.

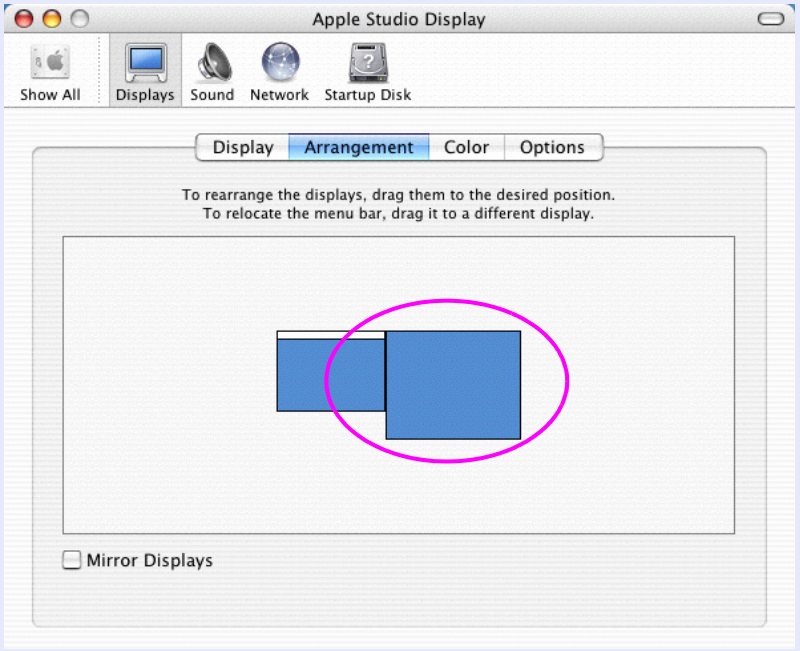
4 Click "Arrangement".



5 Clear "Mirror Displays".



6 Drag the displayed monitor icon and place it where desired.



7 Close the display setting screen.

Up to this point, the screen layout has been fixed.

Allocating the image to be projected

The following explains how to allocate the computer image using 23 page "Arrangement example 1".

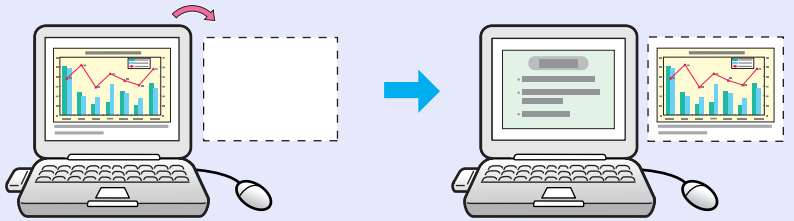
Procedure

1 Open the file to be projected.

Start the PowerPoint and Excel files.

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

Drag the Excel window to the right until it cannot be seen. As a result, the PowerPoint window appears on the actual monitor, while the Excel window appears on the virtual display on the right.

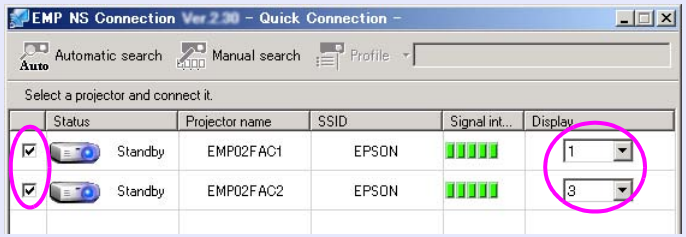


The allocated image is projected

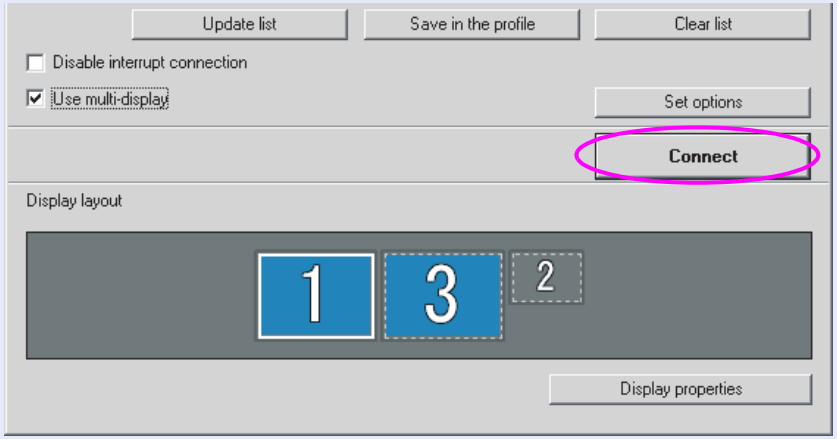
The following explains how to allocate the computer image using 23 page "Arrangement example 1".

Procedure

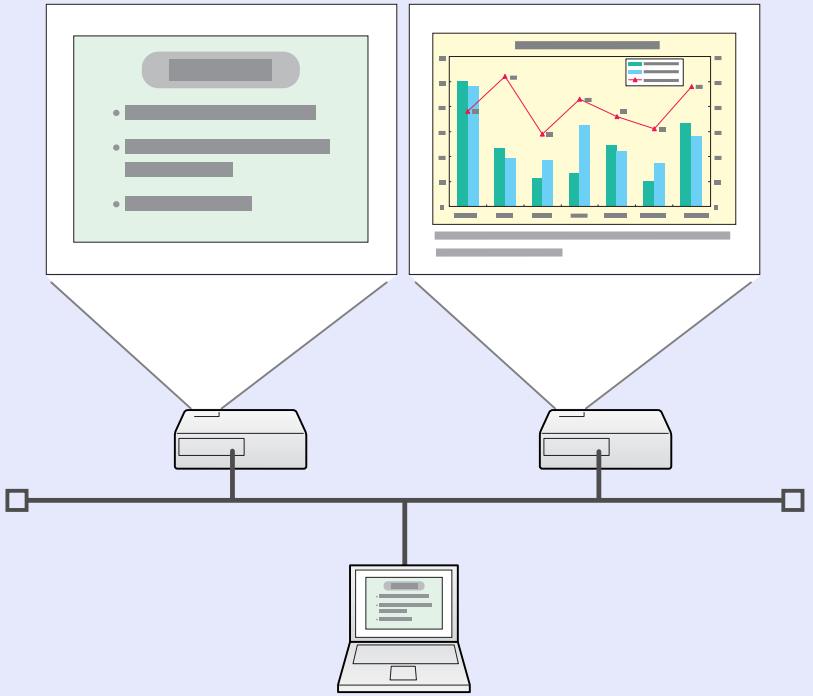
1 **Select the number of the virtual display to allocate to "Display", and set which image to be projected from which projector.**



2 **Click "Connect".**



The image allocated to each projector is projected.



In a Windows environment, you cannot view the image being sent to a virtual display on the computer. To adjust the image on the virtual display, you must do so while viewing the projected image. To perform mouse-based operations on the virtual display, move the mouse pointer in the direction of the virtual display, such that the pointer appears on the virtual display.

3 **To terminate multi-screen display, click "Disconnect" on the toolbar.**

- *In a Windows environment, if the virtual display driver has been enabled such that the mouse pointer can be moved outside the limits of the screen, there may be occasions when you lose track of the location of the pointer. When you are not using a virtual display, clear the check mark against the under "Add-Remove EPSON Virtual Display", such that the mouse pointer cannot be moved outside the limits of the screen. To subsequently use multi-screen display again, again place a check mark against the required display under "Add-Remove EPSON Virtual Display".*
  To clear a check mark, see the following. ☛*p.24*
- *You can adjust each projector's color tone.*
  ☛*User's Guide "Adjusting Color for Several Projectors (Multi-Screen Color Adjustment)"*

Connecting to a Projector on a Different Sub-net

This chapter explains how to connect a computer to a projector on a different sub-net via a wired LAN or a wireless LAN access point on an existing network system.

Connecting to a Projector on a Different Sub-net 34

Searching by Specifying the IP Address and Projector Name (For "Advanced Connection Mode" only) 35

Performing a search with a profile 36

- **Making a Profile 36**
- **Searching by Specifying a Profile 38**
- **Managing a Profile 39**

Connecting to a Projector on a Different Sub-net

By default, this application only searches for projectors on the same sub-net as the computer. Therefore, even if you perform a search for projectors on the network, one on a different sub-net will not be found. You can, however, identify and connect to a projector on a different sub-net, as follows.

- Specify either an IP address or projector name and perform a search.
  The IP address can be input directly. Also, provided the name of the connected server has been registered on the DNS server, you perform a search simply by inputting that name. ☛ p.35
- Performing a search based on a profile.
  Once you have performed a search for a projector on a different sub-net by specifying either an IP address or a projector name, you can save the search as a profile with an easy-to-remember name, and then use that profile whenever you subsequently want to search for a projector on a different sub-net. ☛ p.36

If a search fails to find a projector, the most likely causes are as follows. Proceed as appropriate, depending on the cause of the failure.

For both Windows and the Macintosh

- ***The wireless LAN signal is either out of range or weak. Check whether there is anything that could be interfering with the signal.***

For Macintosh

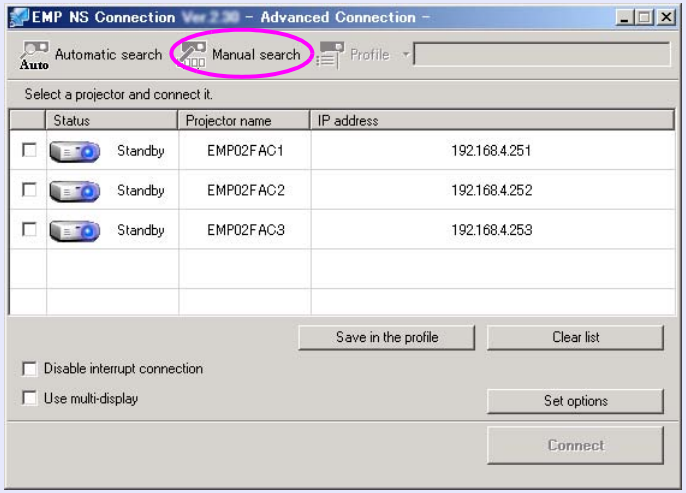
- ***"AirPort: On" is not set, or an appropriate access point is not selected.***
  Check whether AirPort is set to "On". Or, check whether an appropriate access has been selected.

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

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

Procedure

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



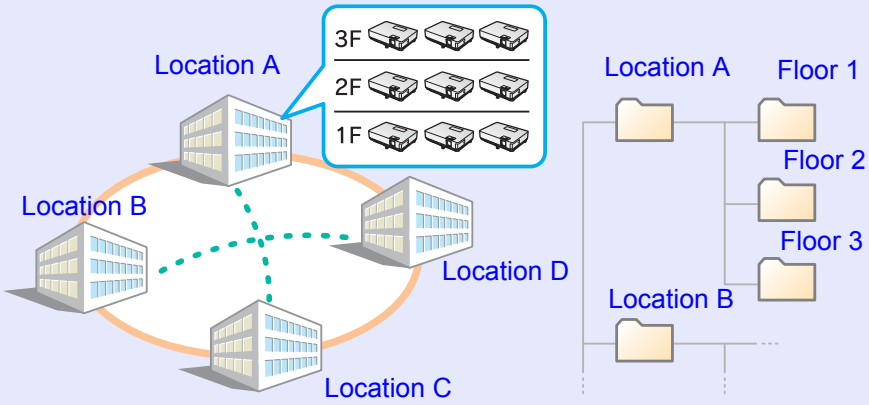
2 Enter the IP address or the projector name for the projector you want to connect to, and click "OK".

The search results are displayed on the EMP NS Connection projector selection screen.
Provided the target projector has been identified, select that projector, and then click "Connect" to establish a connection.
When you will always be using that projector, save the search as a profile, such that you do not have to specify the relevant details every time you perform a search. ☛ p.36

When you use "Manual search" in "Quick Connection Mode", you can specify the SSID. When there are a lot of projectors you can narrow the search field by using SSID.

Performing a search with a profile

You can save a search for a frequently used projector as a profile. A "profile" is a file containing all of the information pertaining to a given projector, such as the projector name, its IP address, and SSID. By specifying that profile whenever you subsequently perform a search, the search will be performed using the saved IP address and projector name. For example, by creating a group of profiles for each place where a projector is setup and managing them with folders, the target projector can be found quickly.



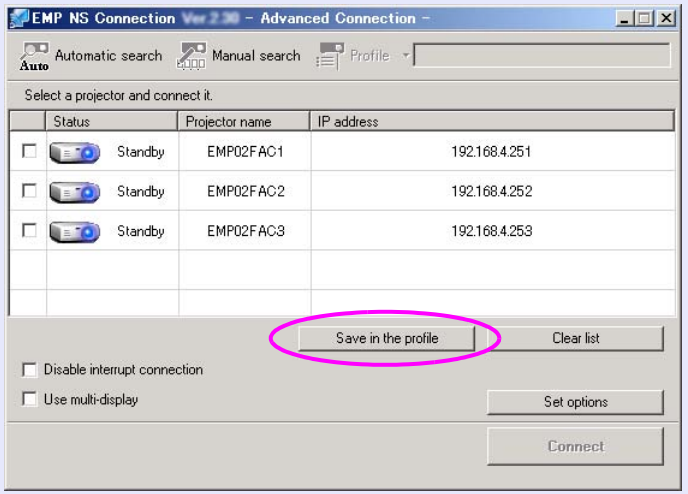
This section explains how to create and edit a profile.

Making a Profile

Profiles are made by saving searched results.
For details on how to edit a previously saved profile, see "Managing a Profile". ☛ p.39
For details on how to locate a projector on a different sub-net, see "Searching by Specifying the IP Address and Projector Name (For "Advanced Connection Mode" only)". ☛ p.35

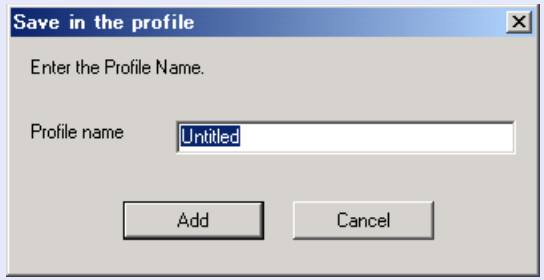
Procedure

1 When the projector is displayed on the EMP NS Connection projector selection screen, click "Save in the profile".



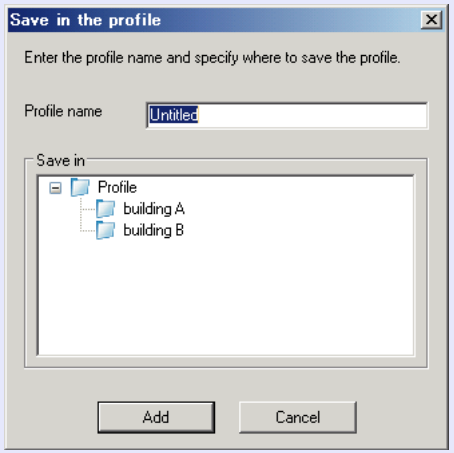
The "Save in the profile" screen is displayed.

2 Enter a profile name and then click "Add".

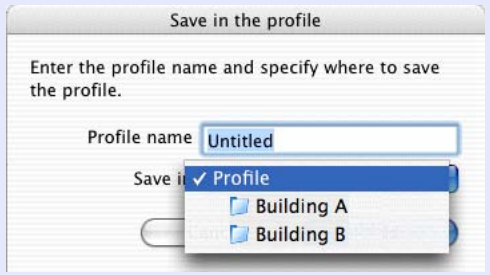


Projector information is registered in the profile.
If you have previously saved a profile, you are prompted to confirm whether that profile can be overwritten. To save a profile with a different name, select "Save as". If you have created a folder for a profile, the following screens are displayed. After entering the profile name and selecting the save destination, click "Add".

For Windows



For Macintosh



For details on how to create a folder for a profile, see "Managing a Profile". ☛*p.39*

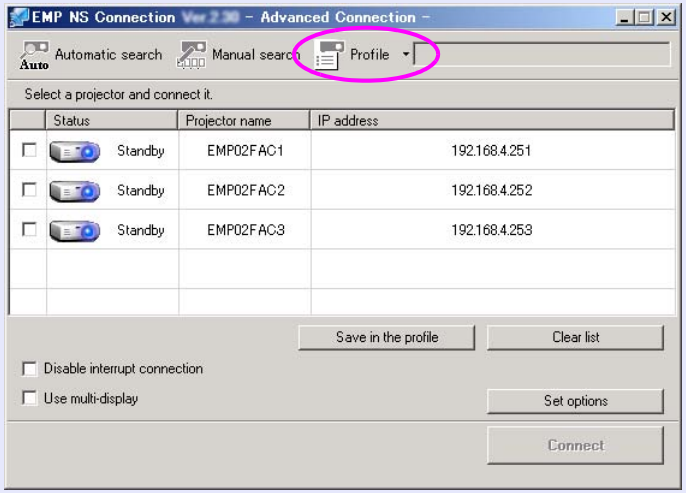
Searching by Specifying a Profile

You can search by specifying the profile you created.

Procedure

1 Click "Profile" on the EMP NS Connection 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.

The search results are displayed on the EMP NS Connection projector selection screen.
Assuming that the desired projector has been found by the search, select that projector and then click "Connect" to establish a connection.

Managing a Profile

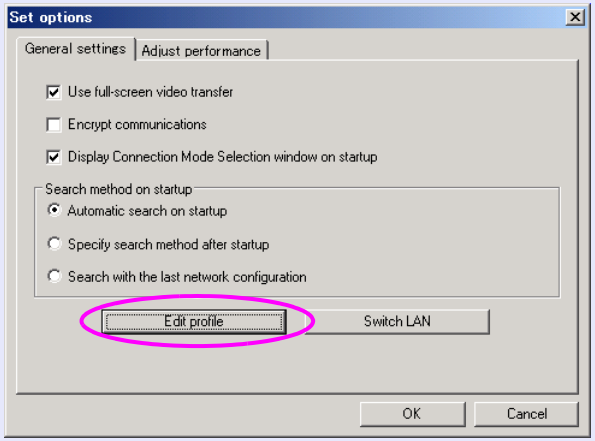
You can change the name and the hierarchical structure of the profile.

Procedure

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

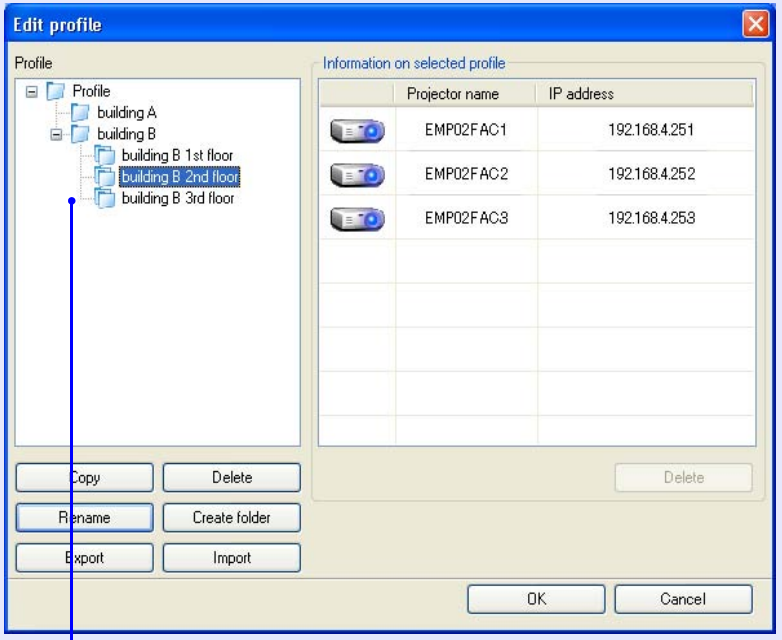
The "Set options" screen is displayed.

2 Click "Edit profile".



The "Edit profile" screen is displayed.

3 Edit the contents registered in the profile.



: Indicates a folder.

: Indicates a profile.

Profile	
Item	**Function**
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.
Export	You can export a profile, as well as import and use a profile.
Import	Used when you want to want to read and use an exported profile.
Information on selected profile	
Item	**Function**
Projector name IP address	You can display the projector information registered in the profile.
Delete	You can delete the information for the selected projector. When all projector information is deleted, the profile is also deleted.

Click "OK".

Saves your edits and closes the "Edit profile" screen.

Setting the EMP NS Connection Operation

You can make general setting options such as the processing method when EMP NS Connection starts.

Using Set Options 42

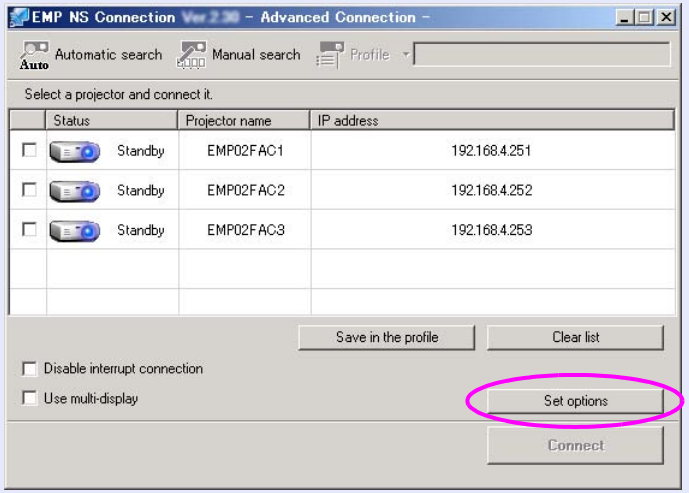
- General settings Tab 42
- Adjust Performance Tab 43

Using Set Options

You can make general setting options such as the processing method when EMP NS Connection starts.
Call the option settings from the EMP NS Connection's main screen.

Procedure

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

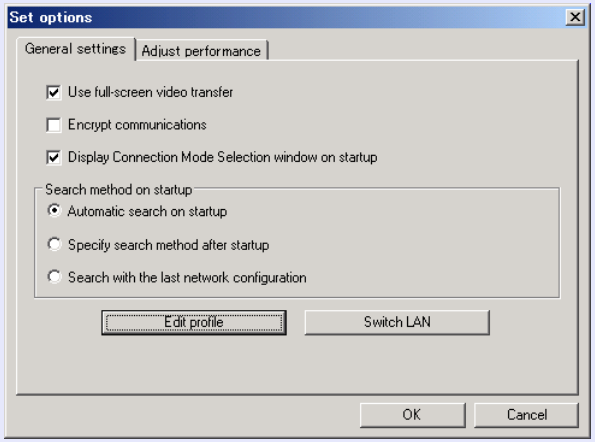


The "Set options" screen is displayed.

2 Set each of the items.

Confirm the details of the set items in the next step. When you have made all the necessary settings, click "OK" to close the "Set options" screen.

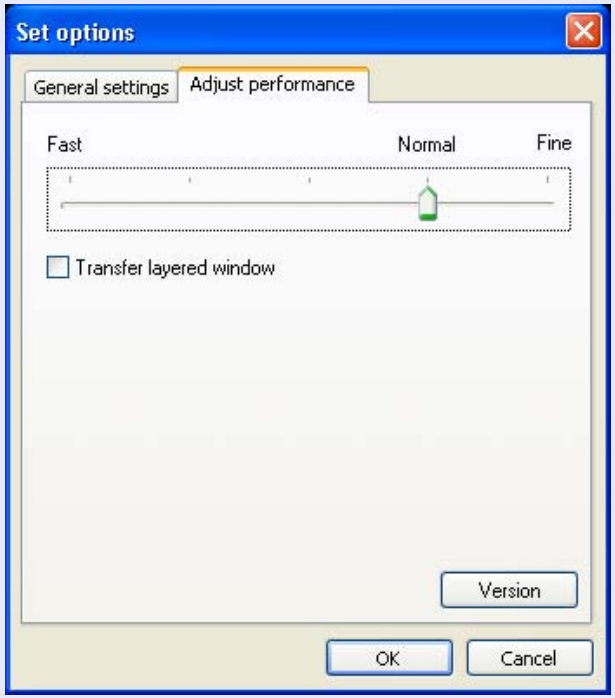
General settings Tab



Use full-screen video transfer	Windows only (excluding Windows Vista) Select this check box when you want to display Windows Media Player in full screen. However, clear this check box if the movie does not playback smoothly.
Encrypt communications	Select to encode and transmit data. Even if data is intercepted, it cannot be deciphered. When using "Quick Connection Mode", make sure you always select this check box.
Display Connection Mode Selection window on startup	Set whether or not the "Quick Connection Mode"/ "Advanced Connection Mode" screen is displayed when EMP NS Connection starts. Clear this check box once you have settled on a regular startup method.
Search method on startup	Sets from the following the projector search method that is executed 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.39
Switch LAN	Windows only The Switch Network Adapter dialog box is displayed. This is used when it is necessary to switch the network adapter to be used for a search when a computer has multiple adapters. By default, all of the network adapters are used to perform a search. When a wired LAN is always used as the connection method, select a wired LAN adapter.

Adjust Performance Tab



Performance adjustment slider	The performance can be set to "Fast", "Normal", and "Fine". Set to "Fast" when movie projections are interrupted.
Transfer layered window	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 check box to project contents such as messages that use the layered window.

When you click on the toolbar, only the Adjust performance tab is displayed.

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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- **Displaying Web Control 45**
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- **Projector Setup 45**
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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.
If, however, you are 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" from 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 using "Advanced Connection Mode".

Procedure

1. **Start the Web browser on the computer.**
2. **Enter the IP address of the projector in the address input box of the Web browser, and press the [Enter] key on the computer's keyboard.**
   Web Control is displayed.
   When "Web Control Password" is set in the "Network" menu from the projector's configuration menu, enter the "User name" and "Password". Enter "EPSONWEB" as the "User name".

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", "Test Pattern"
- Registering a user's logo using "Extended" - "User's Logo"
- "Extended" - "Operation" - "High Altitude Mode"
- "Extended" - "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", "Network Menu (EMP-1825 Only)"
The "MAC Address⏭" is not displayed.

Using the Mail Notification Function to Report Problems

By setting the Mail Notification function from the projector's configuration menu, notification messages will be sent to the 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.

☛ *User's Guide* "Network Menu (EMP-1825 Only)", "Mail Menu"

- ***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.***
- ***You can monitor projectors if set to "Network On" from the "Extended" menu of the projector's configuration menu, even if the projector is in standby mode (when the power is off).***

Management Using SNMP

By setting SNMP from the projector's configuration menu, notification messages are 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.

☛ *User's Guide* "Network Menu (EMP-1825 Only)", "Others Menu"

- ***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 saved.***

Presentations Using PC Free

This chapter explains how to project image and movie files stored on USB devices and CompactFlash cards, and scenarios made with EMP SlideMaker2, directly using PC Free.

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- **Specifications for Files that can be Projected Using PC Free 49**
- **Copying or Deleting CompactFlash Card Files over the Network 50**
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Files that can be Projected Using PC Free, and Saving

You can use PC Free to directly project files stored in digital cameras, USB storage devices and CompactFlash cards that are connected to the projector. By leaving a CompactFlash card inserted into the slot in the projector, you can use the network to copy and delete files on that card. ☛ p.50

USB storage devices that incorporate security functions sometimes cannot be used.

Specifications for Files that can be Projected Using PC Free

Type	File Type (Extension)	Notes
Scenario file	.sit	These are scenario files created using SlideMaker2. To create scenarios, see ☛ p.58 You can also play audio (.wav) files set as BGM at the time of scenario creation. You can also project scenarios created for other projectors using the EMP SlideMaker supplied.
Image	.bmp	Cannot project images with a resolution greater than 1024 × 768.
	.gif	Cannot project images with a resolution greater than 1024 × 768.
	.jpg	The following cannot be projected. • CMYK color mode formats • Progressive formats • Images with a resolution greater than 4608 × 3072 • Files with the extension ".jpeg" Normally, jpeg images may not be projected clearly if compression is set too high.
	.png	Cannot project images with a resolution greater than 1024 × 768.
DPOF	.mrk	For DPOF version 1.10, only files named AUTPLAYx.mrk (where x is a number between 0 to 9) can be projected.

Supported movie files

File Type (Extension)	Movie Codec	Audio Codec	Recording Quality
.mpg*	MPEG2	MPEG1 Layer1/2 Linear PCM and AC-3 audio cannot be played back. MPEG contents with no sound can be played back.	Highest frame rate: 30 fps Maximum resolution: 720×576
.mp4*	MPEG4 ASP MPEG-4AVC	MPEG4 AAC-LC	
.wmv .asf	WMV8 WMV9	WMA	

* Files with the extension ".mpeg" cannot be projected.

- ***Files to which DRM (Digital Rights Management) is applied cannot be projected.***
- ***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 adapter power supply.***
- ***The projector does not support media formatted on some file systems. If you have trouble with projecting, use media formatted under Windows.***
- ***Format the media using the FAT16/32 file system.***

Copying or Deleting CompactFlash Card Files over the Network

You can copy and delete files on a CompactFlash card inserted in the projector from your computer over the network. This is useful since it lets you operate a CompactFlash card without removing it from the projector even if the projector is mounted on the ceiling or in a remote location. You can operate one projector with one computer. You cannot copy or delete files on a USB storage device.

> ***If the write protection switch on the CompactFlash card is set to read-only, you cannot copy or delete files. In this case, release write protection.***

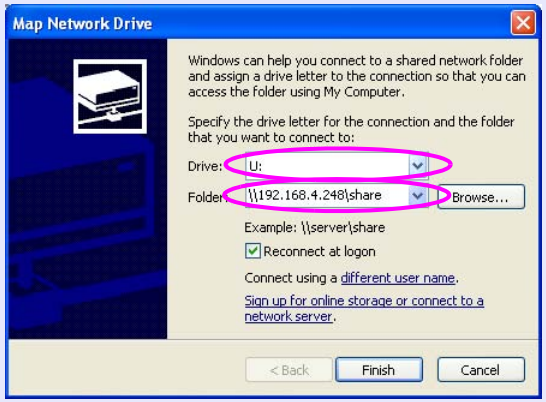
Procedure

To perform file operations on a CompactFlash card, make sure the EasyMP standby screen (☛ p.53) is displayed.

For Windows

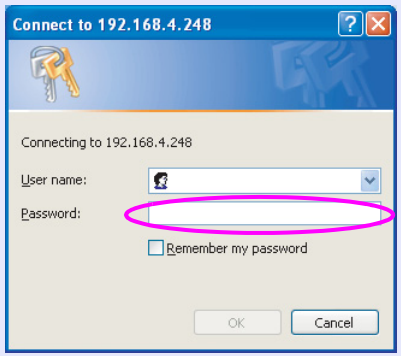
1 On your computer, go to "My Computer" and then open "Map Network Drive".

2 For "Drive", enter a drive name that is not being used. For "Folder", enter \\Projector IP address\share, then click "Finish".



The share folder is displayed.

3 When the Share folder is double-clicked, the following screen is displayed. When "network drive password" is set in the "Network" menu from the projector's configuration menu, enter the "User name" and "Password", and then click "OK". Enter "EPSONDRV" as the "User name".



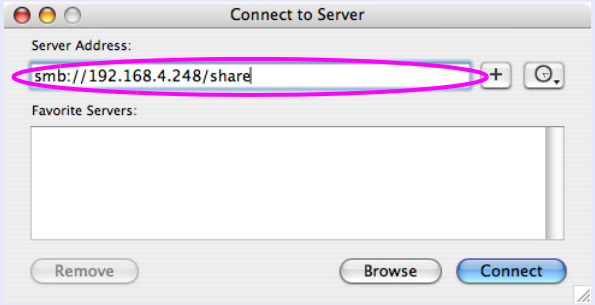
4 **Copy the target folder(s) or file(s) to the CompactFlash card.**

For Macintosh

1 **Click the "Finder" icon.**

2 **From the "Transfer" menu, select "Connect to Server".**

3 **In the address field of the "Connect to Server" dialog, enter "smb://Projector IP address/share".**



4 **Click "Connect".**

When a "Web Control Password" is set, a dialog box is displayed. Enter your user name and "Web Control Password" and then connect to the projector.

PC Free Examples

Projecting images and movies stored on a USB storage device

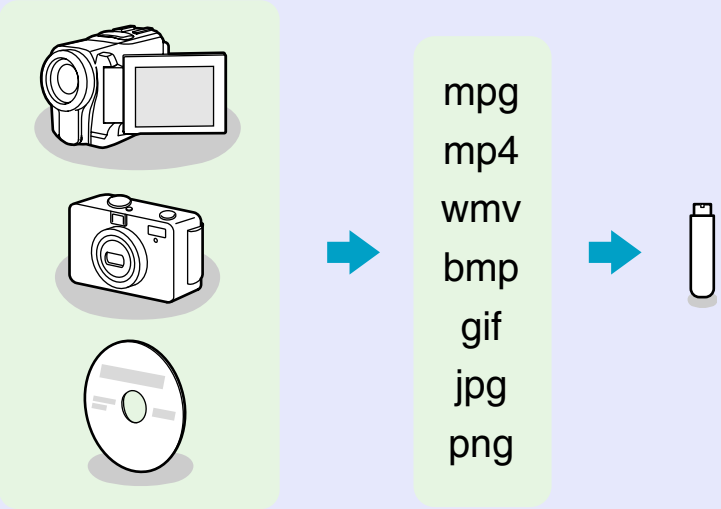


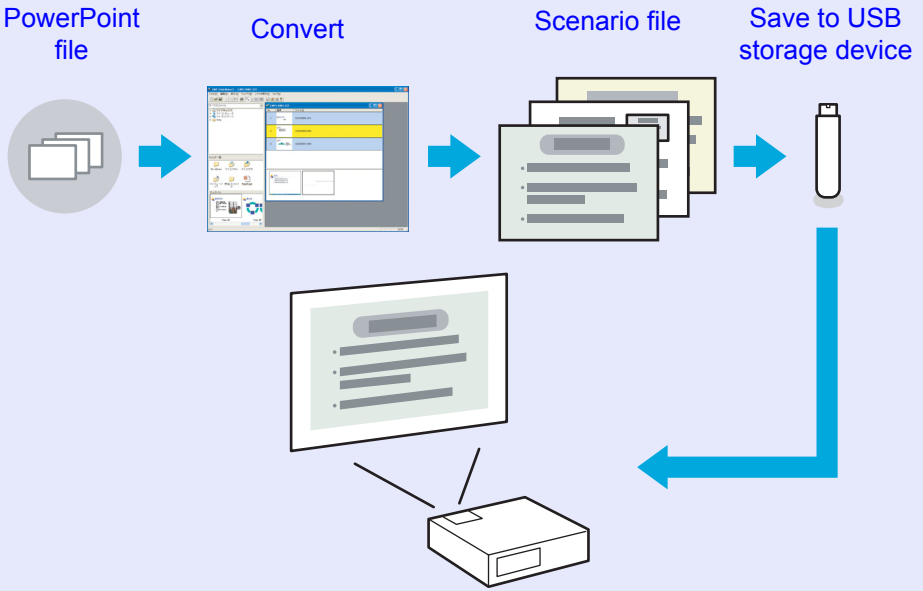
Image and movie files can be played back using either of the following two methods. By using PC Free, projected movie images look much smoother than those projected by playing back using other applications on a computer.

Example 1: Prepare multiple images and project them continuously (Slide show) ☛ p.61

Example 2: Select image files and movie files one at a time and project it ☛ p.60

Projecting a PowerPoint slide show without connecting to a computer

You can use EMP SlideMaker2 to convert your PowerPoint file into scenario format. By storing this scenario file on a USB storage device or a CompactFlash card, you can project a PowerPoint slide show without connecting 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.66
☛ "Projecting Scenarios" p.58

Example 2: Set scenario to automatic playback (autorun)
☛ "Sending Scenarios" p.77

Example 3: Project scenario with BGM ☛ p.69

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.
Because the remote control is used to perform all of the following steps, button names indicate remote control buttons.

Starting and Closing PC Free

Starting PC Free

Procedure

1 Connect one of the following devices to the projector.

- Digital Cameras or USB Storage Device ☛ *User's Guide* "Connecting USB Devices (Digital Camera, Hard Disk Drive or Memory Devices) (EMP-1825 Only)"
- USB MultiCard Reader (when a memory card is inserted) ☛ *User's Guide* "Connecting USB Devices (Digital Camera, Hard Disk Drive or Memory Devices) (EMP-1825 Only)"
- CompactFlash card ☛ *User's Guide* "Inserting and Ejecting CompactFlash Cards (EMP-1825 Only)"

2 Press the [EasyMP] button. The EasyMP standby screen is displayed.

USB storage devices and CompactFlash card icons are displayed on the standby screen.

3 Tilt the [◎] button to move the cursor to the icon for the projection target, and then press the [Enter] button.

PC Free starts and displays the contents of the USB storage device or CompactFlash card.

JPEG files and MPEG files are displayed as thumbnails (file contents are displayed as small images). Other files or folders are displayed as icons as shown in the following table.

Icon	File Type	Icon	File Type
DPOF	Digital camera format	JPEG	JPEG file
MPEG	MPEG file	PNG	PNG file
WMV	WMV files	PFX	Electronic certificate file
BMP	BMP file	CER	
GIF	GIF file		

- *When autorun is set for a scenario, it is automatically played back with the highest priority over other input sources. If you want to stop it from playing back, press the [Esc] button on the remote control.* ☛ *p.77*
- *When a USB multi-card reader is connected to the projector, the following USB icons are displayed, and slots in which a card is inserted are displayed with a blue icon.*

- *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 up to position the cursor on "Exit".**

2. **Press [Enter].**

   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.**

   When removing a CompactFlash card, 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.

PC Free Basic Operations

The following describes the procedures for playing images, movies, and scenarios, using PC Free, and projection operations.

Procedure

1 Tilt the [⊙] button 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 or move the cursor to the "Next page" button and press the [Enter] button.***
> ***To return to the previous screen, press the [⊡] button, or position the cursor on the "Previous page" button and press the [Enter] button.***

2 Press [Enter].

The selected image is displayed.
When a folder is selected, the files in the selected folder are displayed. Select "Back to Top" on the screen that opened and press the [Enter] button to return to the previous screen.

Rotating the Image

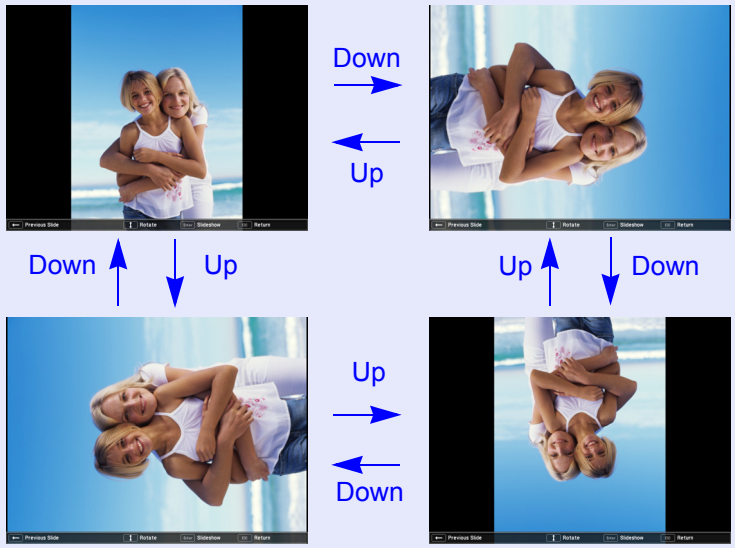
You can rotate JPEG images in 90 increments when playing them with PC Free. The rotating function is also available during the Slide show.
Rotate JPEG images in the following way.

Procedure

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

To play JPEG images ☛ p.60
To play scenarios ☛ p.59
To play slide shows ☛ p.61

2 While projecting a JPEG image, tilt the [⊙] button up or down.



Projecting Scenarios

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

Creating and Editing a Scenario

Create the scenario beforehand by using EMP SlideMaker2, and then transfer it to the CompactFlash card or USB storage device in the projector by using the "Send Scenario" function. ☛ p.77

> ***While transferring the scenario you can set autorun and continuous play.*** ☛ *p.77*

■ Basic scenario editing

For a scenario stored on a USB storage device or a CompactFlash card, it is possible to change the order in which images are projected, or set display/non-display of the individual images.

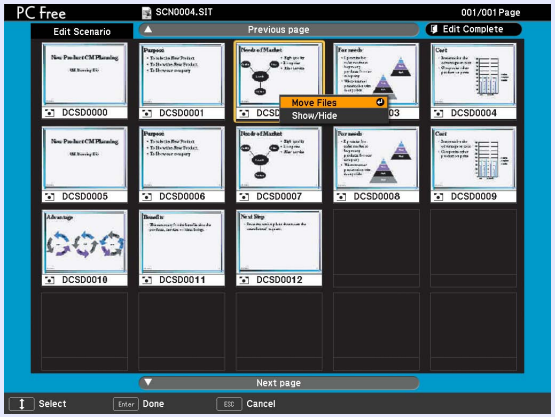
Procedure

1 **Tilt the [⊙] button to move the cursor to the icon for the scenario to be edited, and then press the [Esc] button.**

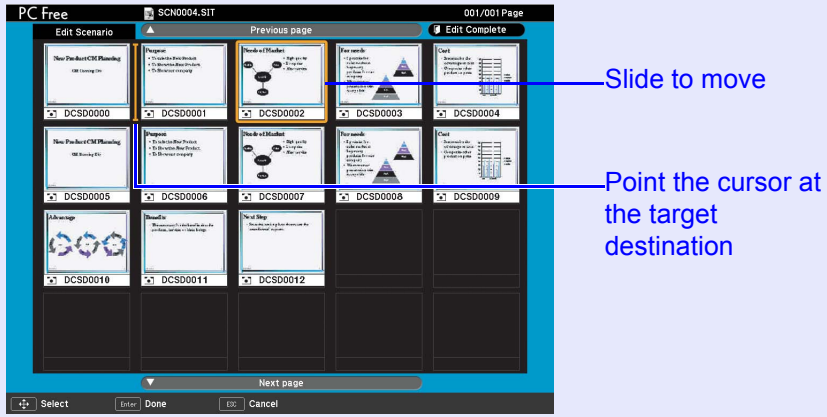
2 **Select "Edit Scenario" from the menu displayed, then press the [Enter] button.**

3 **Position the cursor to the desired slide, and then press the [Esc] button.**

The sub menu is displayed.
Select "Move Files" to change the order of the slides, and "Show/Hide" to show or to hide files, then press the [Enter] button.
Go to step 4 when you select "Move Files".
Go to step 5 when you select "Show/Hide".



4 **Move the cursor to the desired position, and then press the [Enter] button.**



5 **Once you have completed editing, tilt the [◎] button up to position the cursor to the "Edit Complete" button, and then press [Enter].**

The edited content can only be accessed while the CompactFlash card or USB storage device is inserted into the projector.

Playing a Scenario

Procedure

1 **Start PC Free.** ☛ p.53

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

2 **Tilt the [◎] button to position the cursor on the target scenario folder.**

3 **Press [Enter].**

Starts playback.

4 **If "Advance" is set to "Automatically after", once play has reached the end, it returns to the file list screen. If "Revive" 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.57*
- *The movie files that are included in scenarios can be fast-forwarded, rewound and paused during playback.* ☛ *p.61*
- *The slide changing time for scenarios can be set using the "Advance" command in EMP SlideMaker2.* ☛ *p.81*

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 "Exit" and pressing the [Enter] button. Continue playback by selecting "Return" 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 on the various functions ☛ *User's Guide* "Freezing the Image (Freeze)", "Hiding the Image and Sound Temporarily (A/V Mute)", "Enlarging Part of the Image (E-Zoom)"

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 selected image and movie files
  This is a function for projecting single files.
- Projecting all Image and Movie Files in a Folder in sequence (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.

Because the remote control is used to perform all of the following steps, button names indicate remote control buttons.

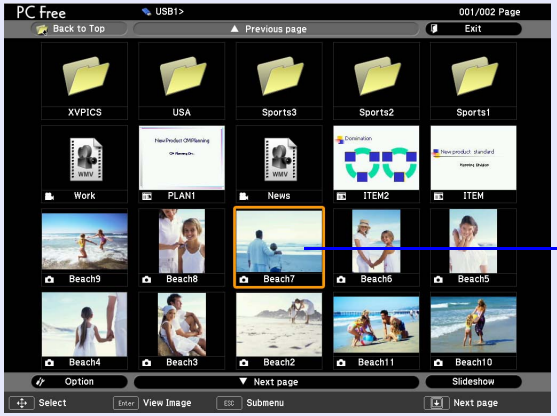
Projecting Images/Movies

Procedure

1 Start PC Free. ☛ p.53

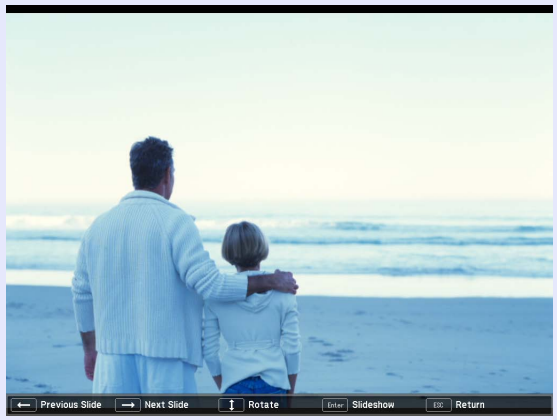
The content of the connected digital camera, USB storage device or CompactFlash card is displayed.

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



3 Press [Enter].

The image or movie starts to play back.



4 The following operations return you to the file list.

- While projecting still images: Press the [Esc] button.
- While projecting movies: Press the [Esc] button. On the screen that is displayed, select "Exit", and then press the [Enter] button.

- *JPEG format images can be rotated during projection.* ☛ *p.57*
- *You can make the following operations using the remote control while playing movie files.*
  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 Slideshow. 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.62*

Procedure

1 Start PC Free. ☛ p.53

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

2 Tilt the [◎] button to move the cursor to the folder containing the slide show, then press the [Enter] button.

3 Select "Slideshow" in the bottom right corner of the screen, and then press the [Enter] button.

The Slide show starts.
When the last file is projected, the file list is 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.62

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.59

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 Slide show in PC Free.

Procedure

1 Tilt the [⊙] button to position the cursor on "Option" at the bottom left of the screen, and then 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.
Details of the items are given below.

Display order	You can set the order of the files to be displayed. You can select sorting of the files into either file name order or revision date order.
Continuous Play	You can determine whether to repeat the Slide show.
Screen switching time	You can set the time for a single file to be displayed when running a Slide show. You can set the time for a single file to be displayed when running a Slide show. You can set a time between "No" (0) and 60 seconds. When you set "No", auto play is disabled.
Effect	This sets the transition effects between files.

3 Tilt the [⊙] button up to position the cursor on "OK", and press [Enter].

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

Preparing a Scenario (Using EMP SlideMaker2)

This chapter describes how to create and send scenario.

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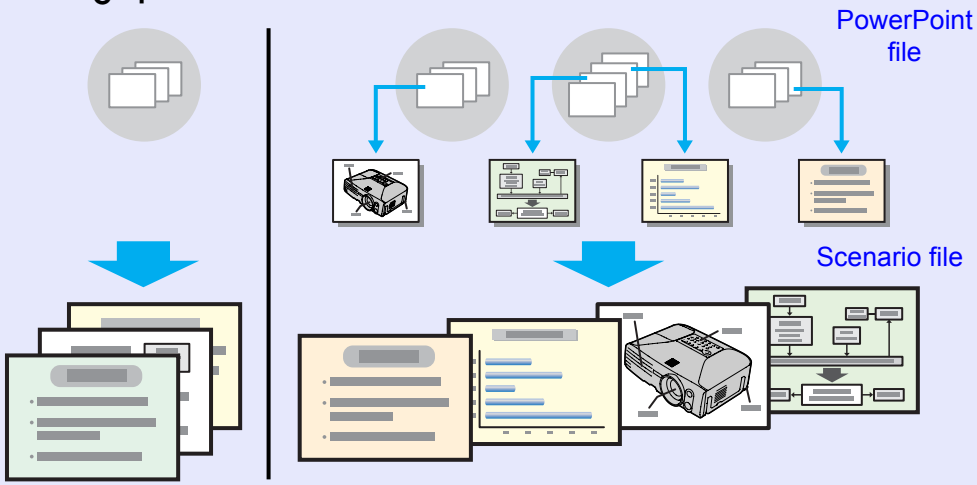
Scenario Summary

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.

Converting all files in a single operation without starting up SlideMaker2

Converting all files in a single operation by starting up SlideMaker2



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 connecting USB storage devices, see ☛ *User's Guide* "Connecting USB Devices (Digital Camera, Hard Disk Drive or Memory Devices) (EMP-1825 Only)"

EMP SlideMaker2 should be installed into the computer. For details on installing EMP SlideMaker2, see ☛ p.5

Create the PowerPoint file, the image files, and the movie files — From a computer

↓

EMP SlideMaker2 — From a computer

There are two ways of using EMP SlideMaker2 to convert a PowerPoint presentation into a scenario.

- ***Drag & drop PowerPoint files to the EMP SlideMaker2 icon on the desktop*** ☛ *p.67*
- ***Starting up SlideMaker2 and Converting Files*** ☛ *p.69*

↓

Sending Scenarios ☛ p.77

↓

PC Free — From the projector

Projecting Scenarios ☛ p.58

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
	.pptx	Microsoft PowerPoint 2007
Image	.bmp	Cannot reproduce images with a resolution greater than 1024 × 768.
	.jpg	Any version. However, CMYK color 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.80*
- *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 or CompactFlash card, direct playback and projection with PC Free are possible by connecting the USB storage device to the projector.* *p.60*

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-1825/1815 EMP-1715/1705 EMP-7950/7850 EMP-835 EMP-765/755/745/737 ELP-735	EMP SlideMaker2	○
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 three methods. When you want to use a PowerPoint file as is, use either method 1 or 2.

1 **Batch conversion without starting EMP Slidemaker2**
All of the slides in a PowerPoint presentation can be batch-converted into a scenario. ☛ "Converting all files in a single operation without starting up SlideMaker2" p.67

2 **Include a PowerPoint file from the file list**
After the PowerPoint files have been batch converted to create scenarios, an image or movie file can then be converted to create another scenario.
☛ "Starting up SlideMaker2 and Converting Files" p.69

3 **Include only the slides you want from the thumbnails**
Select only the PowerPoint slides you need and then convert them to a scenario. ☛ p.69

- ***When creating scenarios with methods 1 to 2, 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.80***
- ***The picture quality for scenarios created with method 1 is "Standard" from a possible, "Highest image quality", "High Quality", and "Standard". When you want to create a scenario with a high image quality, use methods 2 to 3.***

The following table shows the differences when using methods 1 to 3.

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

*1 When scenario creation is complete, the "Send Scenario" screen is automatically displayed.
*2 After creating the scenario, perform "Sending Scenarios" ☛ p.77.

Converting all files in a single operation without starting up SlideMaker2

The following explains how a scenario can be created easily, without starting EMP SlideMaker2.

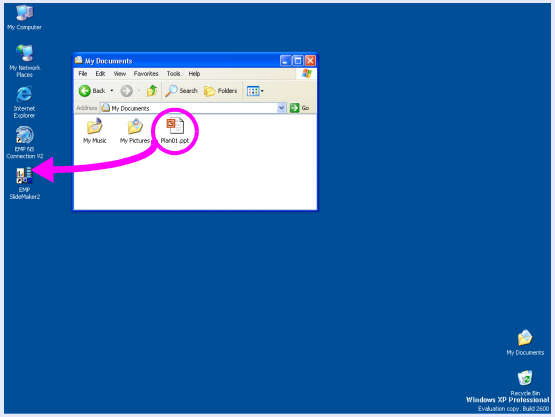
- *Note that the following is not possible if EMP SlideMaker2 has been started. Close EMP SlideMaker2 first.*
- *After the scenarios have been incorporated, they will include the animation set with PowerPoint. When projecting with PC Free, this animation will be enabled.* ☛ *p.66*

Procedure

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

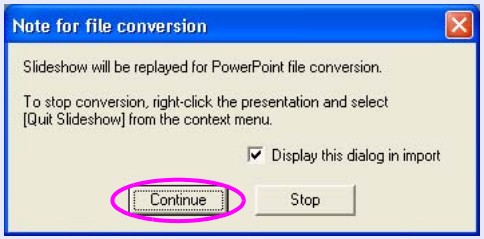
2 Drag & drop the PowerPoint file icon to the program icon of EMP SlideMaker2 on the desktop.

Note that, in this case, it is not possible to select multiple PowerPoint files and convert them as a batch. Select only one file for conversion.

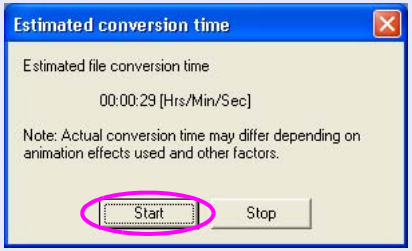


EMP SlideMaker2 starts.

3 Check the message and click "Continue".



4 Check the message and click "Start".



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

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

Go to procedure 3 from "Sending Scenarios" ☛ p.77.

Scenarios made by dragging & dropping automatically take the name "Scnxxxx" (where xxxx is a number).

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.65

Scenario creation procedure

Scenarios are created with the following procedure.

Start EMP SlideMaker2 and set the scenario properties (such as scenario name, background color, and image quality). ☛ p.69

↓

Include the files to be used in the scenario.
☛ "Including PowerPoint Files in Scenarios" p.71
☛ "Including Image and Movie Files in Scenarios" p.75

↓

Sort the included files into the desired order to complete the scenario. ☛ p.76

Once the scenario has been created, carry out the steps in "Sending Scenarios". ☛p.77

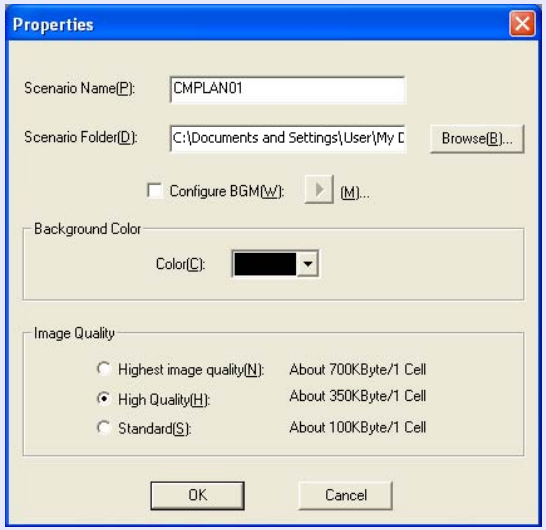
Setting Scenario Properties

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.

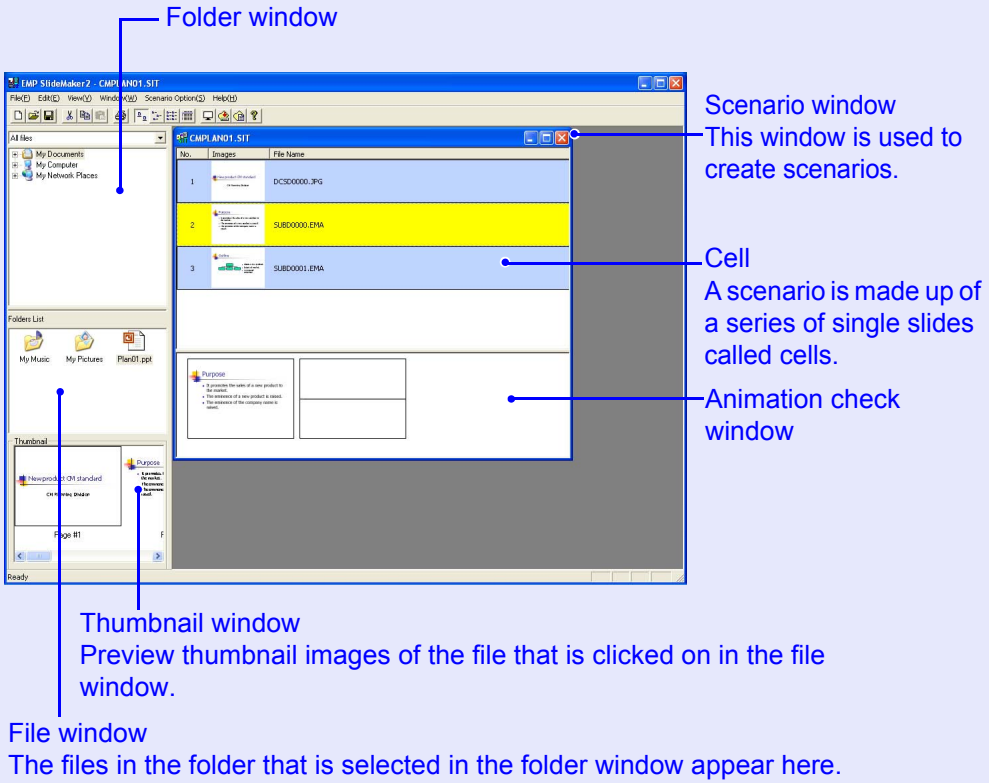
2 **Enter each of the items with reference to the following table, then click "OK".**



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 upper case letters 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 Color	Selects the background color 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.



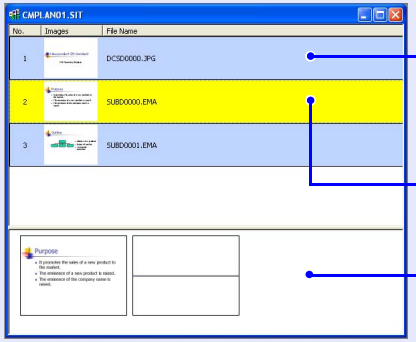
> ***Refer to the EMP SlideMaker2 help for details on the EMP SlideMaker2 menu functions.***

Including PowerPoint Files in Scenarios

PowerPoint files can be included into scenarios with the following two methods. When creating a scenario using the including Method, animations set in PowerPoint are released.

- Batch Including PowerPoint Files ☛ p.72
  After the scenarios have been incorporated, they will include the animation set with PowerPoint. When projecting with PC Free, this animation will be enabled.
- 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.74

> ***Movie files included in a PowerPoint file cannot be played back on the scenario. Movie files must be individually converted to scenarios.***



- *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.81*

Including all slides in a PowerPoint file

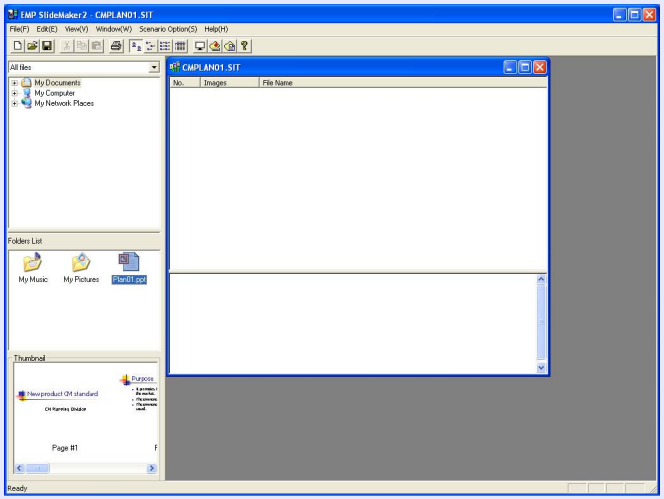
Drag & Drop the PowerPoint file in the file window to the scenario window to create a scenario. When scenario creation is complete, the "Send Scenario" screen is automatically displayed and the scenario can be transferred.
When slides are included with this method, animation set in PowerPoint remains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

Procedure

1. **Connect the USB storage device or CompactFlash 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.69
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 "Continue".

7 Check the message and click "Start".

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 "OK".

Go to procedure 3 from "Sending Scenarios" ☛ p.77.

When creating a scenario with only one PowerPoint file, you can do that easily by a drag and drop operation. ☛ *p.67*

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 are ignored.

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,

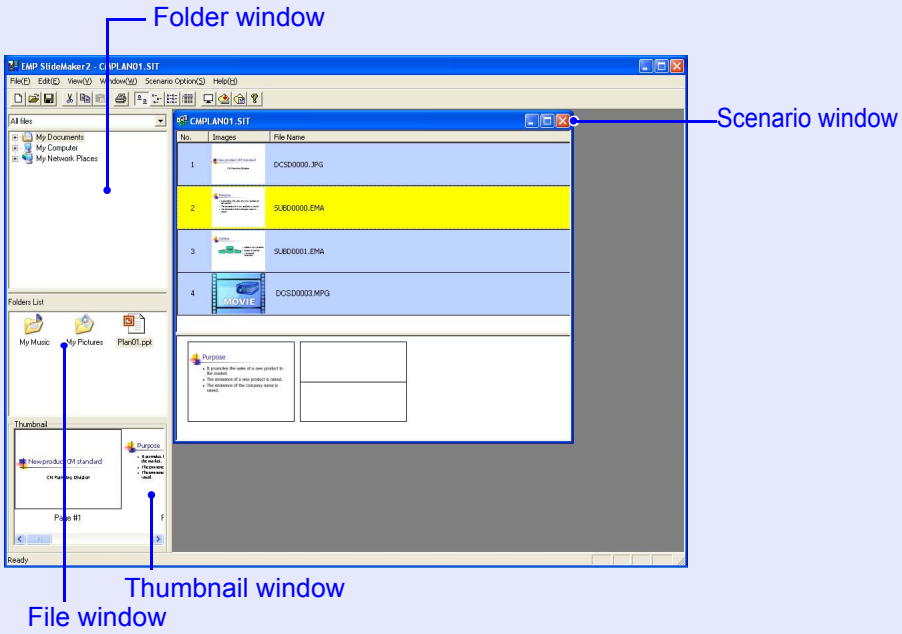
(1) Click the additional slides one at a time in the thumbnail window.
All slides that you click will be selected.
If you click a slide that is already selected, it becomes unselected.

(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.77.

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 batch 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 deselect all of the selected files, click the white area outside the icon.***

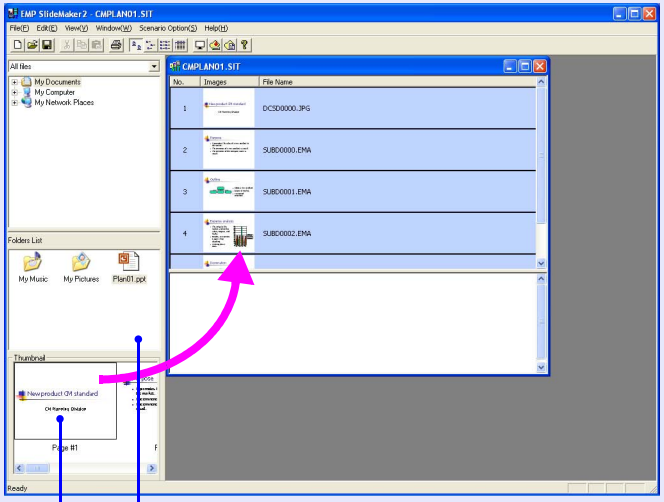
Editing a Scenario

With PC Free, the scenarios in the scenario window are handled in order, starting 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.77.

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.77.

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 storage device or CompactFlash card 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 completed, connect a USB storage device to the computer and then select "Scenario Options" - "Send Scenario".**

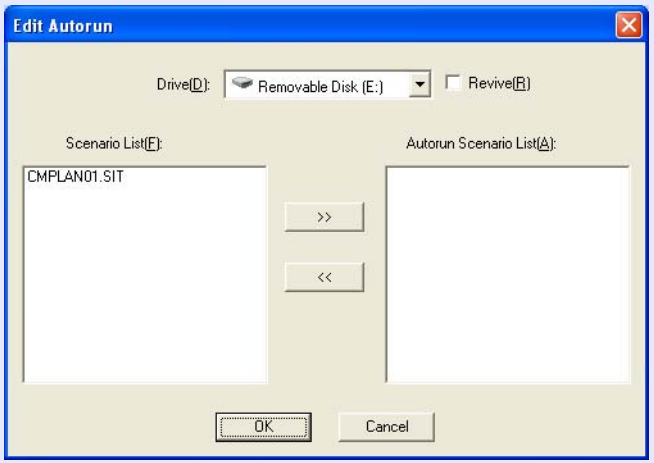
2. **A dialog box to specify the destination drive is displayed. Select the drive and the folder where the USB storage or CompactFlash card is connected and click "OK".**

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

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 "OK" and continue to the next procedure. Otherwise, click "Cancel" 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 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" check box.

- *Autorun can also be set by selecting "Scenario Option" - "Edit Autorun".*
- *Autorun setting cannot be specified in EasyMP for 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 "OK".

7 Remove the USB storage device or CompactFlash card 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 or CompactFlash card to the projector and start projection using PC Free.

☛ p.53

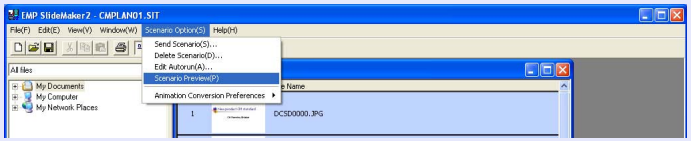
Checking the Projection Scenario Status from a Computer

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.

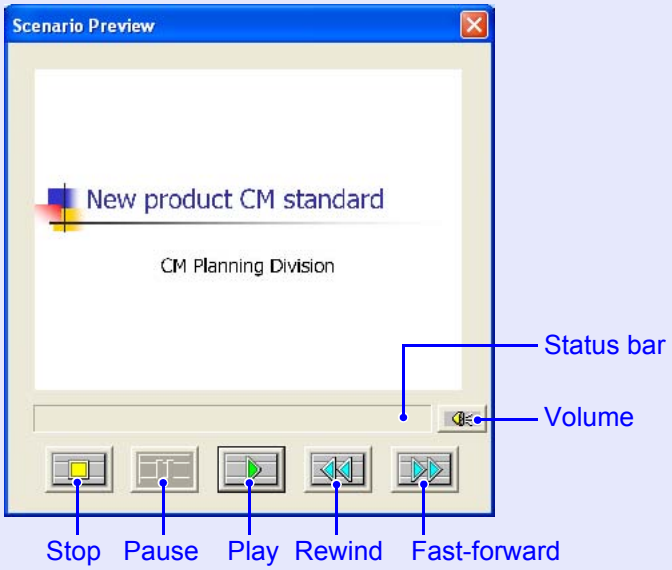
Procedure

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.81
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.81
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 "×" 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 "Cancel" if screen properties is displayed.
2. **Select "Scenario Option" - "Animation Conversion Preferences".**
3. **Select the set animation.**

Setting the Slide Animation

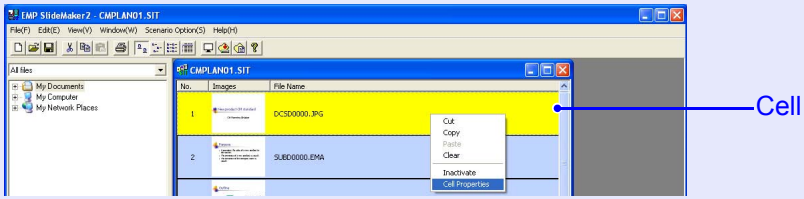
With EMP SlideMaker2, you can set effects similar to the animation effects of PowerPoint for each cell in the scenario. You can project the slides that retain the animation set in PowerPoint by setting projection time or animation for each divided scene. In this case, right-click the target animation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

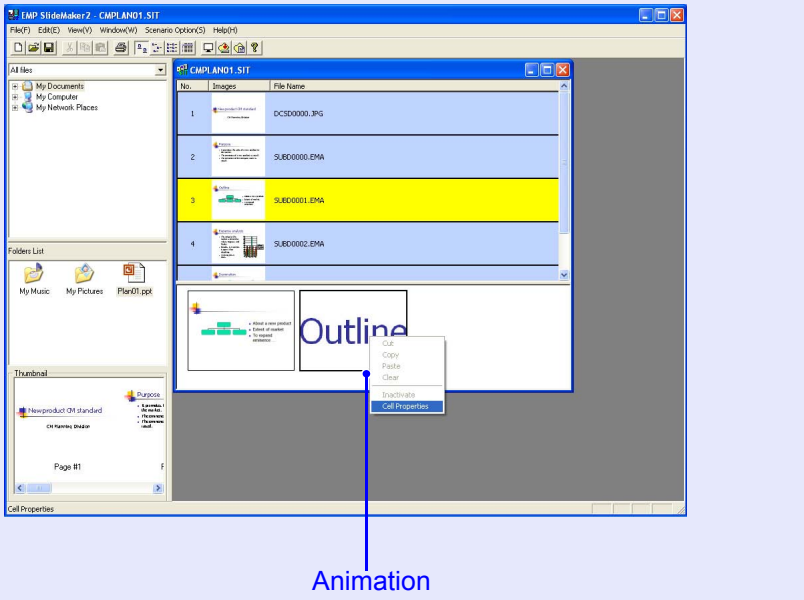
If animations set in PowerPoint in advance are included in a scenario, the animations operate smoothly during scenario playback. To set animations in PowerPoint slides, we recommend you set them in the PowerPoint file itself. If you want to make animation settings for image files, or if you want to add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

Procedure

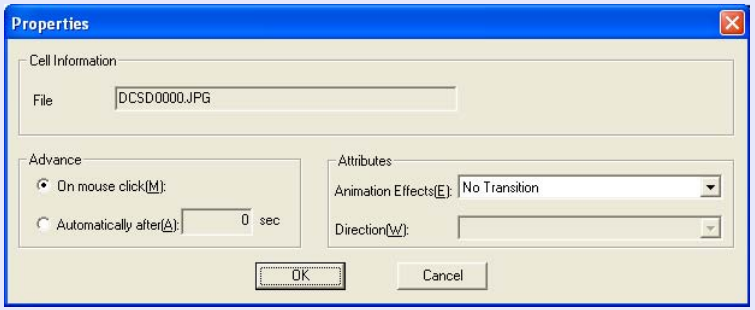
1 Right-click in the target cell or the animation, and select "Cell Properties".

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 "OK".



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 83

- **Supported Resolutions 83**
- **Display Color 83**
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- **When Using Windows Vista 84**

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Connection Limitations

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

Supported Resolutions

The following computer screen resolutions can be projected. You cannot connect to a computer with a resolution higher than UXGA.

- 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 Color

The number of colors for computer screens can be projected.

Windows	Macintosh
16-bit color	About 32,000 colors (16-bit)
24-bit color	-
32-bit color	About 16.7 million colors (32-bit)

The operational guarantee for multi-screen display is 16-bit and 32-bit color.

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 unexpectedly.
- Audio is not transmitted.
- When Movies 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.

When Using Windows Vista

Note the following points when using EMP NS Connection with a computer running Windows Vista.

Limitations when projecting from Windows Photo Gallery

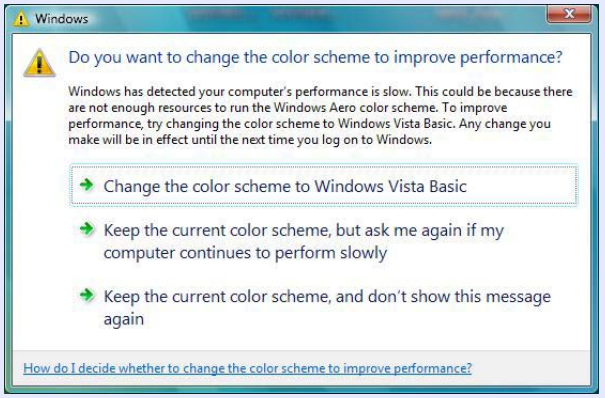
Note the following two limitations when using Windows Photo Gallery when running EMP NS Connection.

- Slide shows are played back in simple mode when projecting from Windows Photo Gallery.
  Because the toolbar is not displayed, you cannot make changes while playing a "Theme" (effects), regardless of the "Windows Experience Index" rating.
  Once simple mode has started, you cannot change modes while Windows Photo Gallery is running even if you close EMP NS Connection. Restart Windows Photo Gallery.
- You cannot play movies.

Limitations in Windows Aero

Note the following two limitations when the window design for your computer is Windows Aero.

- Layered windows are projected regardless of "Transfer layered window" from "Set options".
  For example, when "Transfer layered window" for the EMP NS Connection toolbar is disabled, it should not be displayed on the computer's screen, however the toolbar is projected.
- A few minutes after you connect a computer to the projector over a network with EMP NS Connection, the following message is displayed. It is recommended that you select "Keep the current color scheme, and don't show this message again". This selection is enabled until the computer is restarted.



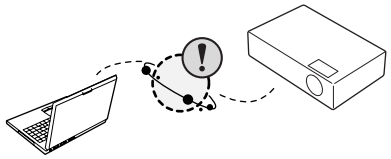
If any of the following problems occur, refer to the pages given for each problem.

Problems concerning EasyMP

- **EMP NS Connection cannot be used to make a connection** ☛ p.86
- Suddenly changes to the EasyMP screen ☛ p.86
- When a connection is made using EMP NS Connection, the projected image remains as is, and a connection cannot be made from another computer. ☛ p.86
- The projector is not found when EMP NS Connection is started ☛ p.87
- Cannot connect in "Advanced Connection Mode" or wired LAN connection ☛ p.88
- The image and sound for movies with EMP NS Connection are not displayed, the image is slow to appear, or either the movie or audio stop ☛ p.89
- When a connection is made using EMP NS Connection, a PowerPoint Slide show cannot be started ☛ p.89
- When a connection is made using EMP NS Connection, the screen does not refresh when running an Office application. ☛ p.90
- Cannot specify files with EMP SlideMaker2 ☛ p.90
- Error message when starting up EMP NS Connection ☛ p.90
- Error message when starting up EMP SlideMaker2 ☛ p.92

Problems concerning monitoring and control

- E-mail is not sent even if an abnormality occurs in the projector ☛ p.93



■ EMP NS Connection cannot be used to make a connection

Check the message at the bottom-left of the screen and then apply the following countermeasures.

Error Messages	Remedy
The application version used is not supported.	You are using an old version of EMP NS Connection. A connection cannot be made. Install the current version from the EPSON Projector Software for Meeting & Presentation CD-ROM supplied with the projector.

■ 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 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.

■ When a connection is made using EMP NS Connection, the projected image remains as is, and a connection cannot be made from another computer.

Check	Remedy
Did the presenter leave the conference room without cutting off the network connection?	With EMP NS Connection, 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.

■ 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 standby 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 SSID the same as that of the access point? **Quick Connection Mode**	Set an SSID that is different from that of the access point. ☛ *User's Guide* "Network Menu (EMP-1825 Only)"
Is the DHCP function for wired LAN turned ON? **Quick Connection Mode**	Turn OFF the "DHCP" setting for "Wired LAN" from the configuration menu. ☛ *User's Guide* "Network Menu (EMP-1825 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 is selected correctly. When using a computer running Windows, start EMP NS Connection, and select the network adapter you are using from "Set options" -"Switch LAN". ☛ p.42
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 802.11g, 802.11b, and 802.11a, and not with other standards such as 802.11.
Is the firewall turned off, or has the firewall been registered as an exception?	When you do not wish to turn off the firewall or register the firewall as an exception, make the necessary settings to open the ports. The ports used by EMP NS Connection are "3620", "3621", and "3629".

Check	Remedy
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 SSID setting different?	Set the computer, the access point, and the projector to the same SSID. ☛ *User's Guide* "Network Menu (EMP-1825 Only)"
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. ☛ *User's Guide* "Network Menu (EMP-1825 Only)"
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-1825 Only)"
Are the access point and the projector's subnet different?	Select "Manual search" from EMP NS Connection, specify the IP address, and connect. ☛ p.35

■ The Slide show cannot be displayed on the desired display when using the multi-screen display.

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 Slide show.

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

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 Virtual Display" 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. When the virtual display check box is cleared on the "Add-Remove EPSON Virtual Display" screen, the mouse pointer returns to the screen display area.

■ The image and sound for movies with EMP NS Connection are not displayed, the image is slow to appear, or either the movie or audio stop

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.
Have you enabled DHCP?	When DHCP is set to "On" 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 color 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 color 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".

■ When a connection is made using EMP NS Connection, a PowerPoint Slide show cannot be started

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

■ When a connection is made using EMP NS Connection, the screen does not refresh when running an Office application.

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.65
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 details on the network settings to be made on the projector, see ☛ *User's Guide* "Network Menu (EMP-1825 Only)".
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. ☛ p.5
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. ☛ p.12

Check	Remedy
Failed to acquire network adapter information.	Check the following point. • Is a network adapter installed on the computer? • Is the driver for the network adapter 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 details on the network settings to be made on the projector, see ☛ *User's Guide* "Network Menu (EMP-1825 Only)".
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 on the projector. For details on the network settings to be made on the projector, see ☛ *User's Guide* "Network Menu (EMP-1825 Only)".
Enter the keyword displayed in the projector.	Check the projector's keyword displayed on the EasyMP standby screen, and enter the projector's keyword.

■ Network settings are not restored after cutting the connection to the computer with EMP NS Connection.

Check	Remedy
Are you manually connecting to a wireless LAN when the computer starts up? **Quick Connection Mode**	Try connecting to the wireless LAN manually.

■ 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.77
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.77
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.

■ E-mail is not sent even if an abnormality occurs in the projector

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-1825 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 Menu"
Did a fatal abnormality occur and the projector come to a sudden stop?	When the projector comes to a sudden stop, e-mai cannot be sent. If, after checking the projector, the abnormal state continues, contact your local dealer or the nearest address provided in the *Support and Service Guide*. ☛ *Epson Projector Contact List*
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.

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.
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.
MAC address	An abbreviation of Media Access Control. The MAC address is an ID number unique to each network adapter. A unique number is assigned to each network adapter, and data is transmitted between network adapters based on this identification.
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.
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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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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