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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.

**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.21
- Movie sending mode ▶️ p.19
- Presentation mode ▶️ p.18

**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.45
- Receive an e-mail notification if a problem occurs ▶️ p.44
- Set and control the projector by using a standard computer Web browser ▶️ p.43

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. See your *User’s Guide* for more information.

You can make presentations by using SD cards or USB compatible digital cameras or hard disks. By connecting a USB memory to the projector, JPEG images, movies, and scenarios stored on SD cards or USB devices can be projected directly. ▶️ p.46

By using a commercially available USB cable to connect to a computer running Windows you can project images from the computer. See your *User’s Guide* for more information.
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. For system requirements information about this software, see ☞ p.92.

• 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 "Recommended".
   To select software and install it individually, select "Custom". To change the language in which the software is displayed, click "Select Language".

4. Check the applications to be installed, and then click "Install".
Installing the Software

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

6. When the "Add and 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.22

7. Click "Finish" 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

- "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 optional wireless LAN unit in the projector, you can connect to the network via a wireless LAN access point.
  - 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 projectors on a network from the computer.

- "Quick connection mode" (Only when the optional wireless LAN unit is installed)
  "Quick connection mode" only runs when you install the optional 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.
  - 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.
Main functions
The following convenient functions let you make various meetings and presentations.
- Multi-Screen Display  p.21
  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.19
  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.18
  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 SSIDs.
- 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 in Advanced Connection Mode
Use the following steps to connect and project in EMP NS Connection Advanced connection mode.
In the following flowchart, you only need to perform the light blue sections the first time you connect.

1. Install EMP NS Connection on the computer to be connected.  p.5
2. Make network settings on the computer and put it into network connection status.  p.10
3. Make network settings on the projector and put it into network connection status.  p.10
5. Start EMP NS Connection on the computer and connect with the projector.  p.11

Normally, when a computer is connected with the network and used, you do not need to make computer network settings.
Preparing to 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 user’s 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. Select the port used in "Port Configurations" and click "Apply Now".

3. Close the screen.

Preparing the Projector

Procedure

1. Turn on the projector and put it into projection status.

2. Press the [Menu] button to display the configuration menu, and then make network settings.
   For details on making network settings, see your User’s Guide.
Connecting to a Projector on a Network and Projecting

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.

1 Press the [\(\bigcirc\)] 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 "Advanced Connection Mode" and then click "OK".
   The projector search results are displayed. To always connect using "Advanced Connection Mode", select "Make the connection mode selected the default setting".

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.12
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.14

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 "Advanced Connection Mode".

When the system starts in "Quick Connection Mode".
### Connecting to a Projector on a Network and Projecting

#### 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 profile".  

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

<table>
<thead>
<tr>
<th>Icon</th>
<th>Status Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Standby Icon]</td>
<td>Select for connecting.</td>
</tr>
<tr>
<td>![Busy Icon]</td>
<td>Select for connecting. When you click &quot;Connect&quot;, the computer currently connected is disconnected and your computer is connected.</td>
</tr>
<tr>
<td>![Busy (Disable interrupt connection) Icon]</td>
<td>Cannot be selected. &quot;Disable interrupt connection&quot; is set on the other computer and it is already connected.</td>
</tr>
<tr>
<td>![Currently in use by another application Icon]</td>
<td>The projector's configuration menu is open. You can select it after closing the configuration menu and running the search again.</td>
</tr>
<tr>
<td>![Searching Icon]</td>
<td>Displayed while running &quot;Manual Search&quot; or &quot;Profile&quot;.</td>
</tr>
<tr>
<td>![Not found Icon]</td>
<td>Displayed when a projector cannot be found as a result of &quot;Manual Search&quot; or &quot;Profile&quot;.</td>
</tr>
</tbody>
</table>

#### 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.  

#### Update list ("Quick Connection Mode" only)
Updates "Status" and "Signal strength".

#### Save in the profile
Saves the results of a search for projectors on the network as a profile.  

#### 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.  

In "Quick Connection Mode", you can only select those with the same SSID.
### Connecting to a Projector on a Network and Projecting

#### 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.

<table>
<thead>
<tr>
<th>Set options</th>
<th>Connect</th>
</tr>
</thead>
<tbody>
<tr>
<td>You can make general setting options such as the processing method when EMP NS Connection starts. For optional settings, see p.40.</td>
<td>Connect to the projector you selected from the search results list. When a connection is made with a projector, a toolbar is displayed.</td>
</tr>
</tbody>
</table>

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 select which projectors can be 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. For example, “ALL” indicates that all of the connected projectors can be controlled. Or 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.
Connecting to a Projector on a Network and Projecting

Presentation Mode
Each time this is clicked, Presentation mode switches between enabled/disabled. \( \Rightarrow \) p.18

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 the toolbar.
Click \( \Rightarrow \) to display the following toolbar.

A/V Mute
The same function as the [A/V Mute] button on the remote control. See your User’s Guide for more information.

Switch PC source
Click to change the input source in the order of Computer 1 input port - Computer 2 input port - BNC input port - EasyMP.

Switch video source
Click to change the input source in this order: S-video input port - Video 1 input port - Video 2 input port - HDMI input port. The projector will not switch to the S-video input if there is no cable connected to the port.

Screen Preview
Displays the multi-screen preview screen.
Clicking \( \Rightarrow \) 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. \( \Rightarrow \) p.40

Movie Sending Mode
Used to immediately play back a movie file. \( \Rightarrow \) p.19

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

You can switch the toolbar display as shown below. The toolbar display you select remains in effect when you use EMP NS Connection the next time.

**Full**

![Full toolbar display](image)

**Normal**

![Normal toolbar display](image)

**Simple**

![Simple toolbar display](image)
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").

Projecting Only a PowerPoint Slide show
(Presentation Mode) ............................................. 18

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  • Playing back a movie .......................................... 19

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  • Example of Adjusting the Virtual Display ............... 21
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    Virtual display arrangement .................................. 23
  • Allocating the image to be projected ..................... 28
  • The allocated image is projected .......................... 29
Projecting Only a PowerPoint Slide show (Presentation Mode)

In Presentation Mode, the image is only displayed when you are showing a PowerPoint (Windows) or Keynote (Macintosh) slide show on a computer. When you stop the slide show, the projector displays a black screen.

**Procedure**

1. If necessary, select the projector you want to control. 📸 p.14

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 smoothly 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.

**Supported File Types**

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

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

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

Files with DRM (Digital Rights Management) 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".

**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.**
**Projecting Movies from a Computer (Movie Sending Mode)**

1. 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.

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

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>▼</td>
<td>Plays back from the beginning of the file that is playing.</td>
</tr>
<tr>
<td>◀</td>
<td>Quickly rewinds the file that is playing.</td>
</tr>
<tr>
<td>■</td>
<td>Stops play back.</td>
</tr>
<tr>
<td>▶</td>
<td>Plays back the file.</td>
</tr>
<tr>
<td>◯</td>
<td>Pauses play back.</td>
</tr>
<tr>
<td>▶▶</td>
<td>Quickly fast-forwards the file that is playing.</td>
</tr>
<tr>
<td>▶▶▶</td>
<td>Plays back from the beginning of the next file.</td>
</tr>
<tr>
<td>◀▶▶▶</td>
<td>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.</td>
</tr>
</tbody>
</table>

3. 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

<table>
<thead>
<tr>
<th>Actual monitor</th>
<th>PowerPoint file</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virtual display</td>
<td>Excel file</td>
</tr>
</tbody>
</table>
Using Multi-Screen Display

Arrangement example 2

Function

1. Setting the Virtual Display  p.22

2. Allocating the image to be projected  p.28

3. The Allocated Image is Projected  p.29

Procedure before using the Multi-screen Display

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

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

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 Arrangement example 1.  p.21

- Enable the virtual display driver (Windows only)
  Enable the virtual display driver. Those users listed below do not have to perform this operation.

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

<table>
<thead>
<tr>
<th>Actual monitor</th>
<th>PowerPoint file presenter tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virtual display</td>
<td>Slide show using a PowerPoint file</td>
</tr>
</tbody>
</table>
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.

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.

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.

Arrange the virtual display
After starting EMP NS Connection, set up the virtual displays as described below (for Macintosh, go to p.26).

Procedure

For Windows

Select "Start" - "Programs" (or "All Programs") "EPSON Projector" - "EMP NS Connection". EMP NS Connection starts.
Select the "Use multi-display" check box.

Click "Display properties".

The "Display Properties" screen will be displayed.

Click the "Settings" tab.

"Display layout" and "Display properties" are added at the bottom of the screen.
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 the monitor icon appears as follows, a virtual display is connected.

Click the "OK" button. The "Display Properties" screen closes.

Go to p.28.

- 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".
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.

3. Click "Display preferences".

   The display setting screen is displayed.

"Display layout" and "Display preferences" are added at the bottom of the screen.
Using Multi-Screen Display

4. Click "Arrangement".

5. De-select "Mirror Displays".
Drag the displayed monitor icon and place it where desired.

Close the display setting screen.

Allocating the image to be projected

The following explains how to allocate the computer image using Arrangement example 1. p.21

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 Arrangement example 1. p.21

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".

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.
To terminate multi-screen display, click "Disconnect" on the EMP NS Connection 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.22
- You can adjust each projector's color tone. See your User’s Guide for more information.
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............................................... 32

Searching by Specifying the IP Address and Projector Name (For "Advanced Connection Mode" only)....... 33

Performing a search with a profile................. 34
  • Making a Profile.................................................................34
  • Searching by Specifying a Profile.................................36
  • Managing a Profile............................................................37
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.33

• 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.34

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.

When the optional wireless LAN unit is installed in the projector, and the Macintosh is connected to a wireless LAN

• "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.34

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". 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)".

Procedure

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.
Performing a search with a profile

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.37
Performing a search with a profile

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".

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.
Performing a search with a profile

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.**

   ![Edit profile screen](image)

   - Indicates a folder.
   - Indicates a profile.
### Performing a search with a profile

<table>
<thead>
<tr>
<th>Item</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Profile</td>
<td>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 &amp; dropping.</td>
</tr>
<tr>
<td>Copy</td>
<td>You can copy the profile. The copied profile is saved in the same folder as the original with the same name.</td>
</tr>
<tr>
<td>Delete</td>
<td>You can delete the profile and the folder.</td>
</tr>
<tr>
<td>Rename</td>
<td>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.</td>
</tr>
<tr>
<td>Create folder</td>
<td>You can create a new folder.</td>
</tr>
<tr>
<td>Export</td>
<td>You can export a profile, as well as import and use a profile.</td>
</tr>
<tr>
<td>Import</td>
<td>Used when you want to want to read and use an exported profile.</td>
</tr>
</tbody>
</table>

### Information on selected profile

<table>
<thead>
<tr>
<th>Item</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projector name</td>
<td>You can display the projector information registered in the profile.</td>
</tr>
<tr>
<td>IP address</td>
<td>You can delete the information for the selected projector. When all projector information is deleted, the profile is also deleted.</td>
</tr>
</tbody>
</table>

4. 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.

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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

<table>
<thead>
<tr>
<th>Use full-screen video transfer</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Encrypt communications</td>
<td>Select to encode and transmit data. Even if data is intercepted, it cannot be deciphered. When using &quot;Quick Connection Mode&quot;, make sure you always select this check box.</td>
</tr>
<tr>
<td>Display Connection Mode Selection window on startup</td>
<td>Set whether or not the &quot;Quick Connection Mode&quot;/&quot;Advanced Connection Mode&quot; screen is displayed when EMP NS Connection starts. Clear this check box once you have settled on a regular startup method.</td>
</tr>
<tr>
<td>Search method on startup</td>
<td>Sets the projector search method that is executed when EMP NS Connection is started.</td>
</tr>
<tr>
<td>Edit profile</td>
<td>The &quot;Edit profile&quot; dialog box is displayed.</td>
</tr>
</tbody>
</table>

p.37
Using Set Options

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.

Changing Settings Using a Web Browser (Web Control) .................................................... 43
- Displaying Web Control .................................................................43
  Entering the IP address of the projector ........................................43
- Projector Setup .................................................................. 43
  Items in the configuration menu that cannot be set by the web browser............................................................................43

Using the Mail Notification Function to Report Problems............................................................ 44

Management Using SNMP .............................................. 45
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 computer's 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.

**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 a different method than a proxy server.

1. **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. If you have set a Web Control password in the projector, you will be asked to enter a user name and password. Enter “EPSONWEB” for the user name.

**Projector Setup**

You can set items that are usually set in the projector's configuration menu. The items available in Web Control are the same, with the exceptions noted below.

**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:
- "Signal" - "HDMI Video Range"
- "Settings" - "Keystone" - "Quick Corner"
- "Settings" - "Pointer Shape"
- "Settings" - "User Button"
- Registering a user's logo using "Extended" - "User's Logo"
- "Extended" - "Operation" - "High Altitude Mode" and "BNC Sync Termination"
- "Extended" - "Language"
- "Reset" - "Reset All", "Reset Lamp Hours"

Additionally, the MAC Address is not displayed in Web Control.
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. See your User's Guide for more information.

- **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. See your User's Guide for more information.

- 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 SD cards, and scenarios made with EMP SlideMaker2, directly using PC Free.

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  PC Free .................................................................................. 47
• Copying or Deleting SD Card Files over the
  Network .................................................................................. 48
• PC Free Examples ................................................................ 50
  Projecting images and movies stored on a USB storage device....50
  Projecting a PowerPoint slide show without connecting to a
  computer .................................................................................. 50
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Setting Image and Movie File Display
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PC Free Compatible Files and Copying/Deleting SD Card Files

You can use PC Free to directly project files stored in digital cameras, USB storage devices and SD cards that are connected to the projector. By leaving an SD card inserted into the slot in the projector, you can use the network to copy and delete files on that card. 📚 p.48

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

Specifications for Files that can be Projected Using PC Free

<table>
<thead>
<tr>
<th>Type</th>
<th>File Type (Extension)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scenario file</td>
<td>.sit</td>
<td>These are scenario files created using SlideMaker2. To create scenarios, see 📚 p.56 You can also play audio (.wav) files set as BGM (background music) at the time of scenario creation. You can also project scenarios created for other projectors using the EMP SlideMaker supplied.</td>
</tr>
<tr>
<td>Image</td>
<td>.bmp</td>
<td>Cannot project images with a resolution greater than 1024 × 768.</td>
</tr>
<tr>
<td></td>
<td>.gif</td>
<td>Cannot project images with a resolution greater than 1024 × 768.</td>
</tr>
<tr>
<td></td>
<td>.jpg</td>
<td>The following cannot be projected. • CMYK color mode formats • Progressive formats • Images with a resolution greater than 4608 × 3072 • Files with the extension &quot;.jpeg&quot; Normally, jpeg images may not be projected clearly if compression is set too high.</td>
</tr>
</tbody>
</table>

Supported movie files

<table>
<thead>
<tr>
<th>File Type (Extension)</th>
<th>Movie Codec</th>
<th>Audio Codec</th>
<th>Recording Quality</th>
</tr>
</thead>
<tbody>
<tr>
<td>.mpg*</td>
<td>MPEG2</td>
<td>MPEG1 Layer1/2</td>
<td>Highest frame rate: 30 fps Maximum resolution: 720×576</td>
</tr>
<tr>
<td>.mp4*</td>
<td>MPEG4 ASP</td>
<td>MPEG4 AAC-LC</td>
<td></td>
</tr>
<tr>
<td>.wmv.asf</td>
<td>WV MV8</td>
<td>WMA</td>
<td></td>
</tr>
</tbody>
</table>

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

- Files with DRM (Digital Rights Management) 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 SD Card Files over the Network

You can copy and delete files on an SD card inserted in the projector from your computer over the network. This is useful since it lets you operate an SD 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 SD card is set to read-only, you cannot copy or delete files. In this case, release write protection.**

**Procedure**

To perform file operations on an SD card, make sure the EasyMP standby screen (p.51) 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".

3. Double-click the share folder. If you have set a Network Drive password in the projector, you will be asked to enter a user name and password. enter “EPSONDRV” for the user name.

4. Copy the target folder(s) or file(s) to the SD 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]

  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.59
  **Example 2:** Select image files and movie files one at a time and project it  p.58

- **Projecting a PowerPoint slide show without connecting to a computer**

  ![PowerPoint process]

  You can use EMP SlideMaker2 to convert your PowerPoint file into scenario format. By storing this scenario file on a USB storage device or an SD 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.64
  "Projecting Scenarios"  p.56

  **Example 2:** Set scenario to automatic playback (autorun)
  "Sending Scenarios"  p.75

  **Example 3:** Project scenario with BGM (background music)  p.67
PC Free Basic Operations

PC Free lets you play back and project scenarios, image files, and movie files in USB storage devices and SD 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. See your User's Guide for more information.
   - Digital Camera or USB Storage Device
   - USB MultiCard Reader (when a memory card is inserted)
   - SD card

2. Press the [EasyMP] button. The EasyMP standby screen is displayed.
   USB storage devices and SD card icons are displayed on the standby screen.
Use the [ 관한 ] 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 SD 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.

<table>
<thead>
<tr>
<th>Icon</th>
<th>File Type</th>
<th>Icon</th>
<th>File Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Digital camera format" /></td>
<td>JPEG file</td>
<td><img src="image" alt="JPEG" /></td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="MPEG file" /></td>
<td>PNG file</td>
<td><img src="image" alt="PNG" /></td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="WMV files" /></td>
<td>Electronic certificate file</td>
<td><img src="image" alt="Electronic certificate file" /></td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="BMP file" /></td>
<td>GIF file</td>
<td><img src="image" alt="GIF" /></td>
<td></td>
</tr>
</tbody>
</table>
• 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.75

• 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 file icons instead of thumbnails.

Closing PC Free

Procedure

1. Use the [Esc] button 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 an SD 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. **Use the [+] button to position the cursor on the file or folder you want to access.**

   ![Cursor](image)

   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 "Return" 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 you display them with PC Free.

Procedure

1. **Play images or scenarios in JPEG format, or perform a slide show.**
   - To play JPEG images p.58
   - To play scenarios p.57
   - To play slide shows p.59

2. **While projecting a JPEG image, push the [ ] button up or down.**
Creating and Editing a Scenario

Create the scenario beforehand by using EMP SlideMaker2, and then transfer it to the SD card or USB storage device in the projector by using the "Send Scenario" function. p.75

**Basic scenario editing**

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

**Procedure**

1. Use the [Esc] 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 on the desired slide, and then press the [Esc] button.

   Position the cursor on 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 File".

   Go to step 5 when you select "Show/Hide".

   Go to step 4 when you select "Move File".

   Go to step 5 when you select "Show/Hide".

   Go to step 4 when you select "Move File".

   Go to step 5 when you select "Show/Hide".

   Go to step 4 when you select "Move File".

   Go to step 5 when you select "Show/Hide".

   Go to step 4 when you select "Move File".

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   Go to step 4 when you select "Move File".

   Go to step 5 when you select "Show/Hide".

   Go to step 4 when you select "Move File".

   Go to step 5 when you select "Show/Hide".

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   Go to step 4 when you select "Move File".

   Go to step 5 when you select "Show/Hide".

   Go to step 4 when you select "Move File".

   Go to step 5 when you select "Show/Hide".
4 Move the cursor to the desired position, and then press the [Enter] button.

Once you have completed editing, use the [ ] button to position the cursor on the "Edit Complete" button, and then press [Enter]. The edited content can only be accessed while the SD card or USB storage device is inserted into the projector.

5 If "Advance" is set to "Automatically after", once play has reached the end, it returns to the file list screen. 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.55
- The movie files that are included in scenarios can be fast-forwarded, rewound and paused during playback. p.59
- The slide changing time for scenarios can be set using the "Advance" command in EMP SlideMaker2. p.79

Operating During a Presentation

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

<table>
<thead>
<tr>
<th>Screen Switching</th>
<th>Proceed to the next screen by pressing [Enter] or [ ]. Return to the previous screen by pressing [ ].</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stopping Playing</td>
<td>The message &quot;Do you want to quit playing the scenario?&quot; is displayed when you press the [Esc] button. Close by selecting &quot;Exit&quot; and pressing the [Enter] button. Continue playback by selecting &quot;Return&quot; and pressing the [Enter] button.</td>
</tr>
</tbody>
</table>

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 these functions, see your User’s Guide.
Projecting image and movie files

Image files from a digital camera and image files and movie files stored on a USB storage device or SD card can be projected using PC Free. You can project single files or all files in order.

**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.51
   The content of the connected digital camera, USB storage device or SD card is displayed.

2. **Use the [ ] button to position the cursor on the image file or movie file you want to project.**

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.
Projecting image and movie files

You can project image and movie files in a folder in sequence, one at a time. This function is called Slide show.

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". The default setting is "No".

Procedure

1. Start PC Free. p.51
   The content of the connected digital camera, USB storage device or SD card is displayed.

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

3. Select "Slideshow" from the file list 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.60

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.57

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. p.60

• JPEG format images can be rotated during projection. p.55
• You can make the following operations using the remote control while playing movie files.
  Fast-forward: Push the [ ] button to the right
  Rewind: Push the [ ] button to the left
  Freeze (Pause): Push 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.
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. Use the [柘] button to position the cursor on the folder where display conditions are to be set, and then press the [Esc] button.

2. Select "Option" from the menu displayed, then press the [Enter] button.

3. 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.

4. Use the [柘] button 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.

<table>
<thead>
<tr>
<th>Display order</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous Play</td>
<td>You can determine whether to repeat the Slide show.</td>
</tr>
<tr>
<td>Screen switching time</td>
<td>You can set the time for a single file to be displayed when running a Slide show. You can set a time between 1 and 60 seconds. Or, if you don’t want the files to change automatically during the Slide show, select &quot;No&quot;. If you select &quot;No&quot;, press the [Enter] or [柘] button on the remote control to continue to the next file during the Slide show.</td>
</tr>
<tr>
<td>Effect</td>
<td>This sets the transition effects between files.</td>
</tr>
</tbody>
</table>
Preparing a Scenario (Using EMP SlideMaker2)

This chapter describes how to create and send scenario.

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Files that Can be Included in Scenarios .......... 63
Turning a PowerPoint File into a Scenario ...... 64
Converting all files in a single operation without starting up SlideMaker2 ............... 65
Starting up SlideMaker2 and Converting Files ................................................................. 67
  Scenario creation procedure ......................................................... 67
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  • Including PowerPoint Files in Scenarios ..................... 69
    Including all slides in a PowerPoint file ..................... 70
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• Editing a Scenario ................................................................. 74
  Adding files and slides ...................................................... 74
  Deleting a slide ................................................................. 74
  Changing the order of slides .............................................. 74
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  • Checking the Projection Scenario Status from a Computer ........................................ 77
  • Setting Animations ......................................................... 78
  • Setting the Slide Animation .............................................. 78
Scenario Summary

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

Transfer the created scenarios to store them on a USB storage device or SD card connected to the computer. Then, connect the USB storage device or SD card to the projector so that you can use the projector's PC Free function to project the scenario. For more information about connecting USB storage devices or inserting SD cards, see your User's Guide.

EMP SlideMaker2 should be installed into the computer. For details on installing EMP SlideMaker2, see p.5
### Files that Can be Included in Scenarios

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

<table>
<thead>
<tr>
<th>Type</th>
<th>File Type (Extension)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>.pptx</td>
<td>Microsoft PowerPoint 2007</td>
</tr>
<tr>
<td>Image</td>
<td>.bmp</td>
<td>Cannot reproduce images with a resolution greater than 1024 × 768.</td>
</tr>
<tr>
<td></td>
<td>.jpg</td>
<td>Any version. However, CMYK color formats and progressive formats cannot be played back.</td>
</tr>
<tr>
<td>Movie</td>
<td>.mpg</td>
<td>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.</td>
</tr>
<tr>
<td>Audio</td>
<td>.wav</td>
<td>PCM, 22.05/44.1/48.0 kHz, 8/16 bit</td>
</tr>
</tbody>
</table>

**Effects for screen transitions other than those mentioned above are converted to "Cut", and animation is converted to "Animation Rules (Default: Cut)".**  
**In the event that you will play the image and movie files in the table on the left individually, they need not be made into scenarios. After saving the file to a USB storage device or SD card, direct playback and projection with PC Free are possible by connecting the USB storage device to the projector.**  

---

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

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

---

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

<table>
<thead>
<tr>
<th>Projector</th>
<th>Software</th>
<th>Can be Opened with this Projector’s EMP SlideMaker2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PowerLite 1825/1815p</td>
<td>EMP SlideMaker2</td>
<td>×</td>
</tr>
<tr>
<td>PowerLite 1715c/1705c</td>
<td>EMP SlideMaker2</td>
<td>×</td>
</tr>
<tr>
<td>PowerLite 7850p</td>
<td>EMP SlideMaker2</td>
<td>×</td>
</tr>
<tr>
<td>PowerLite 835p</td>
<td>EMP SlideMaker2</td>
<td>×</td>
</tr>
<tr>
<td>PowerLite 765c/755c/745c/737c</td>
<td>EMP SlideMaker2</td>
<td>×</td>
</tr>
<tr>
<td>PowerLite 735c</td>
<td>EMP SlideMaker2</td>
<td>×</td>
</tr>
<tr>
<td>PowerLite 8150i</td>
<td>EMP Scenario</td>
<td>×</td>
</tr>
<tr>
<td>PowerLite 715c/505c</td>
<td>EMP SlideMaker</td>
<td>×</td>
</tr>
</tbody>
</table>
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. ℹ️ "Converting all files in a single operation without starting up SlideMaker2" p.65

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. ℹ️ "Starting up SlideMaker2 and Converting Files" p.67

3 **Include only the slides you want from the thumbnails**
   Select only the PowerPoint slides you need and then convert them to a scenario. ℹ️ p.67

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

<table>
<thead>
<tr>
<th></th>
<th>Image Quality</th>
<th>Animations Retained</th>
<th>Send Scenario</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>&quot;Normal&quot; fixed</td>
<td>Yes</td>
<td>Continuous operation *1</td>
</tr>
<tr>
<td>2</td>
<td>Select from &quot;Highest Quality&quot;, &quot;High Quality&quot; and &quot;Normal&quot;</td>
<td>Yes</td>
<td>Continuous operation *1</td>
</tr>
<tr>
<td>3</td>
<td>Select from &quot;Highest Quality&quot;, &quot;High Quality&quot; and &quot;Normal&quot;</td>
<td>No</td>
<td>Operating later *2</td>
</tr>
</tbody>
</table>

*1 When scenario creation is complete, the "Send Scenario" screen is automatically displayed.
*2 After creating the scenario, perform "Sending Scenarios" ℹ️ p.75.

- When creating scenarios with methods 1 or 2, the following animations set in PowerPoint are also reflected in the scenario.
  - Fly
  - Checkerboard
  - Peek
  - Split
  - Swivel
  - Blinds
  - Crawl
  - Random Bars
  - Stretch
  - Wipe
  - Box
  - Dissolve
  - Spiral
  - Strips
  - Zoom

- Animations other than those mentioned above are replaced by the animations in "Animation Rules (Default: Cut)". ℹ️ p.78

- The picture quality for scenarios created with method 1 is "Normal". When you want to create a scenario with a high image quality, use methods 2 or 3.
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.

Procedure

1. Connect the USB storage device or SD card to your computer.

2. Drag and drop the icon for your PowerPoint file 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. Click "Continue".
Converting all files in a single operation without starting up SlideMaker2

4 Click "Start".

EMP Slidemaker2 converts 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.
You see the Send Scenario dialog box.

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

Go to step 3 in "Sending Scenarios" on page 75.

Scenarios made by dragging and 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.63

**Scenario creation procedure**
Scenarios are created with the following procedure.

1. Start EMP SlideMaker2 and set the scenario properties (such as scenario name, background color, and image quality). p.67

2. Include the files to be used in the scenario.
   - "Including PowerPoint Files in Scenarios" p.69
   - "Including Image and Movie Files in Scenarios" p.73

3. Sort the included files into the desired order to complete the scenario. p.74

Once the scenario has been created, carry out the steps in "Sending Scenarios". p.75

**Setting Scenario Properties**

**Procedure**

1. Select "Start" - "Programs" (or "All Programs") - "EPSON Projector" - "EMP SlideMaker2".
EMM SlideMaker2 starts, and the scenario properties are displayed.

2. Select your scenario properties, then click "OK".
For more information, see p.68

![Properties Window](image)
### Starting up SlideMaker2 and Converting Files

| **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 (background music) 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. Epson recommends that you select “High Quality” or “Highest Image Quality” for best results. 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.

**Including PowerPoint Files in Scenarios**

PowerPoint files can be incorporated into scenarios by the following two methods.

- If you convert your PowerPoint file without editing it, the scenario will include the animations you set in PowerPoint. p.70
- If you include only selected slides, the animations you set in PowerPoint will not be part of the scenario file. p.72

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

Refer to the EMP SlideMaker2 help for details on the EMP SlideMaker2 menu functions.
Starting up SlideMaker2 and Converting Files

- **Including all slides in a PowerPoint file**
  Drag and 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 SD card to your 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.67

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

- **Tips**
  - 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.79

- **Animation check window**
  - .JPG: Cells with PowerPoint animation settings that have been ignored
  - .EMA: Cells with PowerPoint animation settings that have been retained
  - Animation check window
Starting up SlideMaker2 and Converting Files

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

Click "Continue".

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 and the scenario is not created.

When the Slide show ends, click the screen.
You see the Send Scenario dialog box.
Select the drive and the folder where the USB storage or SD card is connected and click "OK".

Go to step 3 in "Sending Scenarios" p.75.

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 icon for your PowerPoint file 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 step 3 in "Sending Scenarios". p.75.
Including Image and Movie Files in Scenarios

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

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.
   For movie files, 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 included in 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.

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

  The newly changed scenario will be transferred.
  
  Go to step 3 in “Sending Scenarios” p.75.

- 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 and 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 step 3 in “Sending Scenarios” p.75.
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 SD 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 SD card is connected and click "OK".

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

When transfer is complete, a message is displayed confirming whether to perform autorun setup. If you want to set autorun, click "OK" and continue with step 5. Otherwise, click "Cancel" and skip to step 7.

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

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".

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

Remove the USB storage device or SD card from the computer.
See the computer's user's guide for the removal method.

After finishing transferring your scenario, connect the USB storage device or SD card to the projector and start projection using PC Free. p.51
Checking the Projection Scenario Status from a Computer

You can use your computer to preview your scenario. All of the structural elements of the scenario such as images, animation, and BGM (background music) 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.

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

The following table shows the functions of each button.

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freeze</td>
<td>Stops playback and returns to the first slide.</td>
</tr>
<tr>
<td>Pause</td>
<td>Pauses the slides when &quot;Automatically after” is selected for &quot;Advance&quot;. p.79</td>
</tr>
<tr>
<td>Play</td>
<td>Starts the scenario preview. Also, this restarts stopped or paused scenarios. Displays the next slide when &quot;On mouse click” is set for &quot;Advance&quot;. p.79</td>
</tr>
<tr>
<td>Rewind</td>
<td>Returns to the previous slide or returns to the screen prior to the animation. The animation effects are not performed upon return.</td>
</tr>
<tr>
<td>Fast-forward</td>
<td>Proceeds to the next slide or shows the screen after animation performance. At this time the animation effects are not performed.</td>
</tr>
<tr>
<td>Volume</td>
<td>Performs volume control. Adjusts the volume of BGM (background music).</td>
</tr>
<tr>
<td>Status bar</td>
<td>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.</td>
</tr>
</tbody>
</table>
### Setting Animations

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

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

For other PowerPoint animation types, they are converted to “Cut” in the scenario file. For any particular PowerPoint animation not listed above, you can map a new animation type using EMP SlideMaker2.

### Procedure

1. **Start EMP SlideMaker2.**
   
   Click "Cancel" if screen properties is displayed.

2. **Select "Scenario Option" - "Animation Replacement Candidate".**

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".

<table>
<thead>
<tr>
<th>Procedure</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cell</strong></td>
<td>![Cell Image]</td>
</tr>
<tr>
<td><strong>Animation</strong></td>
<td>![Animation Image]</td>
</tr>
</tbody>
</table>

**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 [Esc] or [Enter] 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 .................................................. 81
- Supported Resolutions .................................................. 81
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Connection Limitations

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

**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 message is displayed, connect after setting the computer's resolution to SXGA or less.

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

**Display Color**

The number of colors for computer screens can be projected.

<table>
<thead>
<tr>
<th>Windows</th>
<th>Macintosh</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-bit color</td>
<td>About 32,000 colors (16-bit)</td>
</tr>
<tr>
<td>24-bit color</td>
<td>-</td>
</tr>
<tr>
<td>32-bit color</td>
<td>About 16.7 million colors (32-bit)</td>
</tr>
</tbody>
</table>

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 DirectX functions may not be displayed correctly. (Windows only)
- You 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.

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

For screen sizes with height/width ratios not listed above, a screen resolution closest to the width is selected from the list above. In this case, in wide screen the horizontal margins are projected, in narrow screen the empty vertical margins are black.
Connection Limitations

When Using Windows Vista

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

**General Limitations**
- You may find that you have to input your user account name into the User Account Control screen each time you start EMP NS Connection. To disable this, set the Windows Firewall setting to “On (recommended)”, click the “Exceptions” tab (in the Windows Firewall Settings window), and register EMP NS Connection.
- If you are upgrading to Windows Vista, uninstall EMP NS Connection and the USB display driver (if it is installed) before upgrading to 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 the "Transfer layered window" setting in "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.
problems concerning easymp

- EMP NS Connection cannot be used to make a connection † p.84
- Suddenly changes to the EasyMP screen † p.84
- 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.84
- The projector is not found when EMP NS Connection is started † p.85
- Cannot connect in "Advanced Connection Mode" or wired LAN connection † p.86
- 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.87
- When a connection is made using EMP NS Connection, a PowerPoint Slide show cannot be started † p.87
- When a connection is made using EMP NS Connection, the screen does not refresh when running an Office application. † p.88
- Cannot use a PowerPoint file in EMP SlideMaker2 † p.88
- Error message when starting up EMP NS Connection † p.88
- Error message when starting up EMP SlideMaker2 † p.90

problems concerning monitoring and control

- E-mail is not sent even if an abnormality occurs in the projector † p.91
**Troubleshooting**

### 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.

<table>
<thead>
<tr>
<th>Error Messages</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>The application version used is not supported.</td>
<td>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 &amp; Presentation CD-ROM supplied with the projector.</td>
</tr>
</tbody>
</table>

### Suddenly changes to the EasyMP screen
ERR at the bottom left of the screen: Check the numbers and make the following remedies.

<table>
<thead>
<tr>
<th>ERR Number</th>
<th>Error Meaning</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,50,53,245,-103</td>
<td>Failed to start EasyMP.</td>
<td>Turn the projector off, then turn it back on again.</td>
</tr>
<tr>
<td>51,52,100</td>
<td>EasyMP processing error</td>
<td>If you’re using EMP NS Connection, try reconnecting to the projector. If you’re projecting through the projector’s USB port, reconnect the USB cable.</td>
</tr>
<tr>
<td>-101</td>
<td>Communication was cut off.</td>
<td>Check the access point connection.</td>
</tr>
<tr>
<td>-102,-105</td>
<td>Unstable wireless communication</td>
<td>Network traffic may be high. Wait for a while, then try reconnecting.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Did the presenter leave the conference room without cutting off the network connection?</td>
<td>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 &quot;Close&quot; from the close menu and press the [Enter] button on the remote control. When it cuts off, you can connect from the target computer.</td>
</tr>
</tbody>
</table>
### The projector is not found when EMP NS Connection is started

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the wireless LAN unit connected?</td>
<td>Check that the optional wireless LAN unit is securely connected.</td>
</tr>
<tr>
<td><strong>For Wireless LAN</strong></td>
<td></td>
</tr>
<tr>
<td>Is the projector's configuration menu open?</td>
<td>While the configuration menu is displayed, network connection becomes invalid. Close the configuration menu and return to the EasyMP standby screen.</td>
</tr>
<tr>
<td>Are the computer's LAN card and the built-in LAN function available?</td>
<td>Check that LAN is valid by checking &quot;Control Panel&quot; -&quot;System&quot; in the device manager and so on.</td>
</tr>
<tr>
<td>Is the projectors's SSID the same as the access point's SSID?</td>
<td>Select a different SSID for the projector. See your User's Guide for more information.</td>
</tr>
<tr>
<td><strong>Quick Connection Mode</strong></td>
<td></td>
</tr>
<tr>
<td>Is the DHCP function for wired LAN turned ON?</td>
<td>Turn OFF the &quot;DHCP&quot; setting for &quot;Wired LAN&quot; from the configuration menu. See your User’s Guide for more information.</td>
</tr>
<tr>
<td><strong>Quick Connection Mode</strong></td>
<td></td>
</tr>
<tr>
<td>Was the network adapter used selected correctly with EMP NS Connection?</td>
<td>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 &quot;Set Options&quot; -&quot;Switch LAN&quot;.  p.40</td>
</tr>
<tr>
<td>For wireless LAN connection, is the wireless LAN setting enabled when the computer is in power save mode?</td>
<td>Enable the wireless LAN.</td>
</tr>
<tr>
<td>Are there any obstacles between the access point and the computer or projector?</td>
<td>Sometimes interference 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 lessen potential interference.</td>
</tr>
<tr>
<td><strong>For Wireless LAN</strong></td>
<td></td>
</tr>
<tr>
<td>Is the computer's wireless LAN electromagnetic wave strength set to low?</td>
<td>Set the electromagnetic wave strength to maximum.</td>
</tr>
<tr>
<td>Does the wireless LAN conform to 802.11g, 802.11b, or 802.11a?</td>
<td>The optional wireless LAN unit is only compatible with standards 802.11g, 802.11b, and 802.11a, and not with other standards such as 802.11.</td>
</tr>
<tr>
<td>Is the firewall turned off, or has the firewall been registered as an exception?</td>
<td>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 &quot;3620&quot;, &quot;3621&quot;, and &quot;3629&quot;.</td>
</tr>
</tbody>
</table>
### Troubleshooting

#### Cannot connect in "Advanced Connection Mode" or wired LAN connection

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the network cable connected correctly?</td>
<td>Check that the network cable is connected correctly. Reconnect it if necessary.</td>
</tr>
<tr>
<td>For Wired LAN</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Are you using PowerPoint 2002 or an earlier version?</td>
<td>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.</td>
</tr>
<tr>
<td>For Windows</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is another application running on the virtual display?</td>
<td>When EPSON Virtual Display is installed, another application sometimes runs on the virtual display. If this happens, set &quot;EPSON Virtual Display&quot; to &quot;Off&quot; in &quot;Screen properties&quot;.</td>
</tr>
</tbody>
</table>
## Troubleshooting

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

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is EPSON Virtual Display installed?</td>
<td>The mouse cursor was moved onto the virtual display. When the virtual display check box is cleared on the “Add and Remove EPSON Virtual Display” screen, the mouse pointer returns to the screen display area.</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Did you try to play back movies with Media Player or try to operate the screen saver preview?</td>
<td>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.</td>
</tr>
<tr>
<td>Is WEP encryption effective, or are multiple projectors connected?</td>
<td>The display speed decreases when WEP encryption is effective or multiple projectors are connected.</td>
</tr>
<tr>
<td>Have you enabled DHCP?</td>
<td>When DHCP is set to &quot;On&quot; in &quot;Advanced Connection Mode&quot; or &quot;Wired LAN connection&quot;, if a DHCP server is not found, it takes time to enter EasyMP standby status.</td>
</tr>
<tr>
<td>Was EMP NS Connection started while a movie was playing, or were the resolution and color number changed?</td>
<td>When playing back movies, start EMP NS Connection first before starting play back. If you see a problem after you change the screen resolution or number of colors during movie playback, try moving, minimising, or resizing the playback window.</td>
</tr>
<tr>
<td>Is wireless LAN 802.11g/b being used in &quot;Quick Connection Mode&quot;?</td>
<td>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 &quot;Advanced Connection Mode&quot; or wireless LAN 802.11a in &quot;Quick Connection Mode&quot;.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Was EMP NS Connection started while PowerPoint was starting?</td>
<td>When connecting with EMP NS Connection, make sure you close PowerPoint first. The slide show might not run if you start PowerPoint before EMP NS Connection.</td>
</tr>
</tbody>
</table>
### Troubleshooting

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

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the mouse moved continuously?</td>
<td>When you stop moving the mouse cursor, the screen is updated. If the screen does not update quickly, stop moving the mouse cursor.</td>
</tr>
</tbody>
</table>

**Cannot use a PowerPoint file in EMP SlideMaker2**

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is a PowerPoint file (.ppt) with a PowerPoint 95/97 format being used?</td>
<td>EMP SlideMaker2 does not support PowerPoint 95 or 97. Files created in these versions of PowerPoint must be opened and resaved in PowerPoint 2000 or later. <a href="#">p.63</a></td>
</tr>
<tr>
<td>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?</td>
<td>Make sure the MS Office JPEG converter has been installed. See the MS Office documentation for instructions.</td>
</tr>
</tbody>
</table>

**Error message when starting up EMP NS Connection**

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Failed to connect to the projector.</td>
<td>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 your User's Guide.</td>
</tr>
<tr>
<td>The keyword does not match. Check how it is displayed by the projector, and enter the correct keyword.</td>
<td>Check the projector's keyword displayed on the EasyMP screen, and enter the projector's keyword.</td>
</tr>
<tr>
<td>The selected projector is busy. Do you want to continue the connection process?</td>
<td>You tried to connect to a projector that is connected to another computer. When the &quot;Yes&quot; button is clicked, it connects to the projector. The connection between the projector and the other computer is cut off. When the &quot;No&quot; button is clicked, it does not connect to the projector. The connection between the projector and the other computer is maintained.</td>
</tr>
<tr>
<td>Failed to reset EMP NS Connection.</td>
<td>Restart EMP NS Connection. If the message still appears, uninstall and then reinstall EMP NS Connection. <a href="#">p.5</a></td>
</tr>
<tr>
<td>Cannot connect because the keyword was wrong.</td>
<td>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. <a href="#">p.11</a></td>
</tr>
</tbody>
</table>
### Troubleshooting

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Failed to acquire network adapter information.</td>
<td>Check the following points.</td>
</tr>
<tr>
<td></td>
<td>• Is a network adapter installed on the computer?</td>
</tr>
<tr>
<td></td>
<td>• Is the driver for the network adapter used installed on the computer?</td>
</tr>
<tr>
<td></td>
<td>After checking, restart the computer and connect again.</td>
</tr>
<tr>
<td></td>
<td>If you still cannot connect, check the network settings on the computer and the network settings on the projector.</td>
</tr>
<tr>
<td></td>
<td>For details on the network settings to be made on the projector, see your <em>User’s Guide</em>.</td>
</tr>
<tr>
<td>One or more connected projectors do not support resolutions greater than SXGA. Reduce the screen resolution and reconnect.</td>
<td>There is an PowerLite 735c projector in the connection destination. Change the computer's screen resolution to SXGA (1280 × 1024) or less.</td>
</tr>
<tr>
<td>There are projectors that do not respond.</td>
<td>You cannot connect to multiple projectors simultaneously. Check the network settings on the computer and the network settings on the projector.</td>
</tr>
<tr>
<td></td>
<td>For details on the network settings to be made on the projector, see your <em>User’s Guide</em>.</td>
</tr>
<tr>
<td>Enter the keyword displayed in the projector.</td>
<td>Check the projector's keyword displayed on the EasyMP standby screen, and enter the projector's keyword.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Are you manually connecting to a wireless LAN when the computer starts up?</td>
<td>Try connecting to the wireless LAN manually.</td>
</tr>
</tbody>
</table>

**Quick Connection Mode**
### Error message when starting up EMP SlideMaker2

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SIT is already registered.</strong> (Scenario file name)</td>
<td>Scenario files that have already been added to &quot;Autorun Scenario List&quot; cannot be added again. ☝️ p.75</td>
</tr>
<tr>
<td>Because the folder hierarchy is deep, the scenario file cannot be selected.</td>
<td>Because the hierarchy of the folder with the scenario file added to &quot;Autorun Scenario List&quot; is deep, it cannot be selected. Change the destination for the target scenario file. ☝️ p.75</td>
</tr>
<tr>
<td>Insufficient storage capacity on the disk.</td>
<td>Make space on your drive or card so that the scenario can be sent.</td>
</tr>
</tbody>
</table>
| **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) | Make space on your drive or card.  
  The PowerPoint file you are trying to add to the scenario is corrupted or incompatible. Use another PowerPoint file.                                                                                                                                                                                                       |
| The specified document cannot be opened.                              | A file with this name already exists. Change the scenario name and then save it again.                                                                                                                                                                                                                                                     |
| Specify a different name or a different directory.                   |                                                                                                                                                                                                                                                                                                                                      |
### E-mail is not sent even if an abnormality occurs in the projector

<table>
<thead>
<tr>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the wireless LAN unit connected?</td>
<td>Check that the optional wireless LAN unit is securely connected.</td>
</tr>
<tr>
<td><strong>For Wireless LAN</strong></td>
<td></td>
</tr>
<tr>
<td>Is the network connect setting correct?</td>
<td>Check the projector's network settings. See your <em>User's Guide</em> for more information.</td>
</tr>
<tr>
<td>Is &quot;Standby Mode&quot; set to &quot;Network On&quot;?</td>
<td>To use the Mail Notification function when the projector is in standby, set &quot;Network On&quot; in &quot;Standby Mode&quot; from the configuration menu. See your <em>User’s Guide</em> for more information.</td>
</tr>
<tr>
<td>Did a fatal abnormality occur and the projector come to a sudden stop?</td>
<td>When the projector comes to a sudden stop, e-mail cannot be sent. If, after checking the projector, the abnormal state continues, contact Epson. See your <em>User’s Guide</em> for more information.</td>
</tr>
<tr>
<td>Is power being supplied to the projector?</td>
<td>Check that your electrical outlet or power source is functioning correctly.</td>
</tr>
<tr>
<td>Is the network cable connected correctly?</td>
<td>Check that the network cable is connected correctly. Reconnect it if it is not connected or not connected properly.</td>
</tr>
<tr>
<td><strong>For Wired LAN</strong></td>
<td></td>
</tr>
</tbody>
</table>

*For Wireless LAN* and *For Wired LAN* are options depending on the setup.
System Requirements

The software supplied with the projector runs on computers that meet the following requirements. EMP NS Connection, EMP SlideMaker2, and USB Display are only supplied with the PowerLite Pro G5150NL and G5350NL.

<table>
<thead>
<tr>
<th></th>
<th>EMP NS Connection</th>
<th>EMP SlideMaker2</th>
<th>EMP Monitor</th>
<th>USB Display</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CPU</strong></td>
<td>Mobile Pentium III 1.2 GHz or faster Power PC G3 900 MHz or faster Recommended: Pentium M 1.6 GHz or faster Core Duo 1.5GHz or faster</td>
<td>Celeron 300 MHz or faster Recommended: Celeron 400 MHz or faster</td>
<td>Pentium MMX 166 MHz or faster Recommended: Pentium II 233 MHz or faster</td>
<td>Mobile Pentium III 1.2 GHz or faster Recommended: Pentium M 1.6 GHz or faster</td>
</tr>
<tr>
<td><strong>Amount of Memory</strong></td>
<td>256 MB or more Recommended: 512 MB or more</td>
<td>64 MB or more Recommended: 128 MB or more</td>
<td>64 MB or more</td>
<td>256 MB or more Recommended: 512 MB or more</td>
</tr>
<tr>
<td><strong>Hard Disk Free space</strong></td>
<td>20 MB or more</td>
<td>12 MB or more</td>
<td>50 MB or more</td>
<td>20 MB or more</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>Resolution greater than XGA (1024 × 768) Display color of approx. 32000 colors more than 16 bit colors</td>
<td>Resolution greater than SVGA (800 × 600) Display color in 32 bit full-color or greater</td>
<td>Resolution greater than XGA (1024 × 768) Display color of approx. 32000 colors more than 16 bit colors</td>
<td></td>
</tr>
</tbody>
</table>

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