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EasyMP® Monitor Operation Guide

Ver.4.54

Notations Used in This Guide

The following table shows the symbols used in this manual, along with descriptions of what they mean.

	Indicates additional information and points which may be useful to know regarding a topic.
☛	Indicates a page where detailed information regarding a topic can be found.
Procedure	Indicates operating methods and the order of operations. The procedure indicated should be carried out in the order of the numbered steps.
[(Name)]	Indicates the name of the buttons on the projector's remote control or the control panel. Example: Esc button
"(Name)" **Timer** (Boldface)	Indicates the name of the buttons on the EasyMP Monitor or OS screens. Example: **Select "Timer" - "Timer Settings".** Select **Timer** - **Timer Settings**.

Notations Used in This Guide

EasyMP Monitor Features

Tasks that can be done using EasyMP Monitor 6

Installing EasyMP Monitor 7

Operating environment 7
Transferring the settings 7
Installing 8
Limitations imposed by a Windows Vista, Windows 7, or Windows 8.x environment 8
Before starting operations 8

Using EasyMP Monitor

Registering and deleting projectors for monitoring 11

Starting EasyMP Monitor 11
Registering projectors using automatic search (Searching for and registering projectors that are located in the same segment) 12
Procedures for automatic search 12
Procedures for registration 13
Setting the range of addresses to do an automatic search and registration 14
Procedures for automatic search 14
Procedures for registration 16
Registration by specifying an IP address (Manual registration) 17
Registering several projectors to a monitoring group all at once 18
If the projector name or IP address changes after registration 20
For projectors that have been registered manually 20
For projectors that have been registered using automatic search 20
Cancelling projector registrations (Delete) 20

Monitoring window layout 21

Types of monitoring windows and switching method 21
Types of monitoring windows 21
How to switch views 21
Monitoring using Grouping view 22
Meanings of Grouping view icons 22
Using the icons in Grouping view 23
Monitoring using Detail list view 24
Meanings of Detail list view icons 24
Selecting display items 26
Sorting lists 27
Searching for desired icons (Projector list) 27
Monitoring using the system tray 27
Displaying projectors with problem or warning statuses in a list 28
Checking properties in detail 31
Displaying Group properties 32
Displaying Projector properties 32
Displaying and deleting logs 32
Displaying Log 33
Deleting Log 33

Using the control functions 34

Carrying out control using control buttons 34
Carrying out control using a web browser (Web control) 36
Carrying out control using timer settings 36
Procedures for new timer settings 38

Mail notification function settings 39

An e-mail notifying the operator of a problem/warning/status is issued 41

Application lock function 44

Switching Application lock between Enabled and Disabled 44

Enabling the application lock. 44

Disabling the application lock 44

Setting a password for cancelling application lock. 44

Appendix

Troubleshooting 46

Projectors cannot be monitored or controlled 46

An e-mail message is not sent when a problem occurs with a projector . . 46

Uninstalling EasyMP Monitor 47

General Notice 48

Trademarks 48

EasyMP Monitor Features

Tasks that can be done using EasyMP Monitor

EasyMP Monitor lets you carry out operations such as checking the status of multiple Epson projectors that are connected to a network and controlling the projectors from the computer.

Following are brief descriptions of the monitoring and control functions that can be carried out using EasyMP Monitor.

- **Registering projectors for monitoring and control**

  Projectors on the network can be searched for automatically, and you can then select projectors to be registered from the projectors that are detected.
  You can enter the IP addresses for target projectors to register them.

- **Registered projectors can also be assigned to groups so that they can be monitored and controlled in groups.**

- **Monitoring the statuses of registered projectors**

  The power status (ON/OFF) for projectors and problems or warnings requiring attention can be checked visually by means of icons.
  You can select groups of projectors or a single projector that you are interested in, and then check the cumulative lamp operating time or the details of information such as input sources, problems, and warnings for these projectors.

- **Controlling registered projectors**

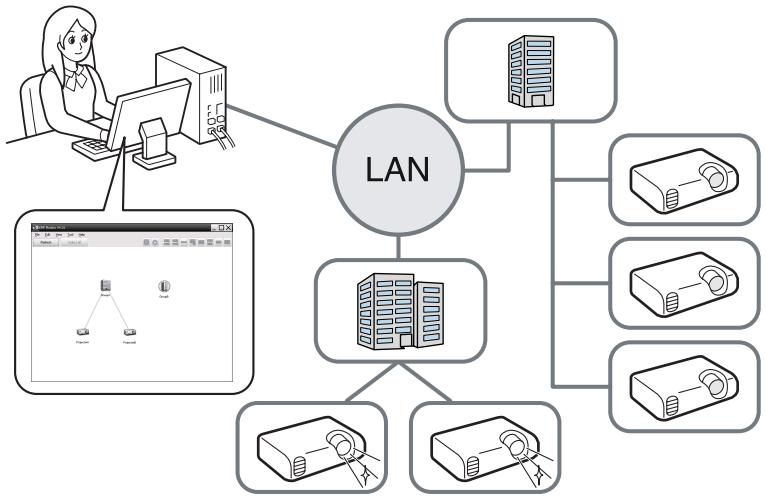
  Projectors can be selected in groups or as single projectors, and you can then carry out operations for the selected projectors such as turning the power on and off and switching their input sources.
  Web control functions can be used to change the settings in the projector's configuration menu.
  If there are certain control actions which are carried out regularly at particular times or on particular days, you can use Timer Settings to register timer settings.

- **Mail notification function settings**

  You can set e-mail addresses to which notifications are sent if a status requiring attention, such as a problem, occurs with a projector that has been registered.

- **Sending messages to registered projectors**

  You can send JPEG files to the registered projectors at once by using Message Broadcasting, which is a plug-in software for EasyMP Monitor.
  To download the software and manual, visit www.epson.com, select your location, and select your product.



Operating environment

This software is compatible with computers that comply with the following requirements.

OS	Windows 2000 Professional SP4 Windows XP Home Edition SP2/SP3* Windows XP Professional SP2/SP3* Windows Vista* (All editions except Starter Edition) Windows Vista SP1/SP2* (All editions except Starter Edition) Windows 7 32 bit version (All editions except Starter Edition) Windows 7 64 bit version Windows 8.x 32 bit version and 64 bit version • Internet Explorer Ver. 5.0 or later must be installed.
CPU	Pentium MMX 166 MHz or higher (Pentium II 233 MHz or higher recommended)
Memory capacity	64 MB or more (128 MB or more recommended)
Free hard disk space	50 MB or more
Display	SVGA (800 x 600) or higher resolution, 32 bit or higher display color

* Supports only 32 bit version of OS.

- Macintosh computers cannot be used.
- Operations carried out at the computer may become slow depending on the number of projectors being managed. If this happens, use a computer with higher specifications.
- EasyMP Monitor cannot be used in environments which do not allow pings to be transmitted.

Transferring the settings

If you are already using EasyMP or EMP Monitor, you can transfer the projector settings to this version. The settings are stored as a data file (EMP Monitor.dat). Make a copy of the EMP Monitor.dat before you install this software. EMP Monitor.dat can be found at the following location if the default settings were used to install the software:

- If your operating system is Windows 2000 or Windows XP

  "C:\Program Files\EPSON Projector\EasyMP (or EMP) Monitor Ver. x.xx (Ver. x.xx represents the software version)"

- If your operating system is Windows Vista or Windows 7

  "C:\Users\(User Name)\AppData\Local\VirtualStore\Program Files\EPSON Projector\EasyMP (or EMP) Monitor Ver. x.xx (Ver. x.xx represents the software version)"
  If you cannot find the "AppData" folder, click "Start" - "Control Panel" - "Appearance and Personalization" - "Folder Options". Select "View" tab, and then configure the "Show hidden files, folders, and drives" setting in "Advanced settings".

- If your operating system is Windows 8.x

  "C:\Users\(User Name)\AppData\Local\VirtualStore\Program Files\EPSON Projector\EasyMP (or EMP) Monitor Ver. x.xx (Ver. x.xx represents the software version)"
  If you cannot find the "AppData" folder, from the Start menu, click "Control Panel" - "Appearance and Personalization" - "Folder Options". Select "View" tab, and then configure the "Show hidden files, folders, and drives" setting in "Advanced settings".

After installing this software, follow the instructions below before starting EasyMP Monitor to transfer the settings.

- If your operating system is Windows 2000 or Windows XP

  Overwrite the existing EMP Monitor.dat file with the copy you made. The existing EMP Monitor.dat file is in "C:\Program Files\EPSON Projector\EasyMP Monitor Ver.x.xx".

- If your operating system is Windows Vista, Windows 7, or Windows 8.x

  Place the copy of the EMP Monitor.dat file in "C:\Users\(User Name)\AppData\Local\VirtualStore\Program Files\EPSON Projector\EasyMP Monitor Ver.x.xx".

The software name has been changed.

Before: EMP Monitor → After: EasyMP Monitor

If you are already using EMP Monitor, you can replace with this software.

Installing

You must have administrator authority in order to install EasyMP Monitor.

To download the software and manual, visit www.epson.com and select your location.

Double-click the downloaded software file to start the install program. Follow the on-screen instructions.

If EasyMP or EMP Monitor is already installed, uninstall it before installing this software. ☛ "Uninstalling EasyMP Monitor" p.47

Limitations imposed by a Windows Vista, Windows 7, or Windows 8.x environment

When using EasyMP Monitor under Windows Vista, Windows 7, or Windows 8.x, note the following limitations.

- You must have administrator authority in order to use **Register at startup** on the Environment setup screen of EasyMP Monitor.☛ "Monitoring using the system tray" p.27
- If EasyMP Monitor is installed on your computer, uninstall it before you update the operating system to Windows Vista, Windows 7, or Windows 8.x. Updating your OS without uninstalling the software may cause a malfunction. ☛ "Uninstalling EasyMP Monitor" p.47

Before starting operations

Check the following points before starting up EasyMP Monitor.

- EasyMP Monitor must be installed on the computer to be used for monitoring and control.
- The computer and the projectors must be connected to the network.
- Depending on the projector model, a commercially-available serial ↔ TCP/IP conversion adapter and a connection cable are required in order to use EasyMP Monitor. See your projector's *User's Guide*.

  Make the settings for the serial ↔ TCP/IP conversion adapter before connecting to the projector.

To enable projectors to be monitored and controlled even when they are in standby mode*, make the following settings at the projectors. The settings that need to be made will vary depending on the projector you are using. See your *User's Guide* for more information.

- *Set Standby Mode to Communication On (or Network On).*
- *Set Network Monitoring to On.*

* When the projector's ⏻ indicator is lit orange.

Using EasyMP Monitor

Registering and deleting projectors for monitoring

This operation is carried out when starting EasyMP Monitor for the first time after it has been installed and when you would like to add projectors. Once a projector has been registered, the status for the projector will be displayed automatically each time EasyMP Monitor is started from that point onwards.

You can register up to 1,024 projectors or groups.

The operations to register projectors vary depending on where the projectors are connected on the network.

- When registering a projector that is located in the same segment as the computer in which EasyMP Monitor is installed. ☛ "Registering projectors using automatic search (Searching for and registering projectors that are located in the same segment)" p.12
- When registering projectors that are in multiple segments of the network. ☛ "Setting the range of addresses to do an automatic search and registration" p.14

Starting EasyMP Monitor

Procedure

1 **Use one of the following methods to start EasyMP Monitor.**

If your operating system is Windows 2000, Windows XP, Windows Vista, or Windows 7

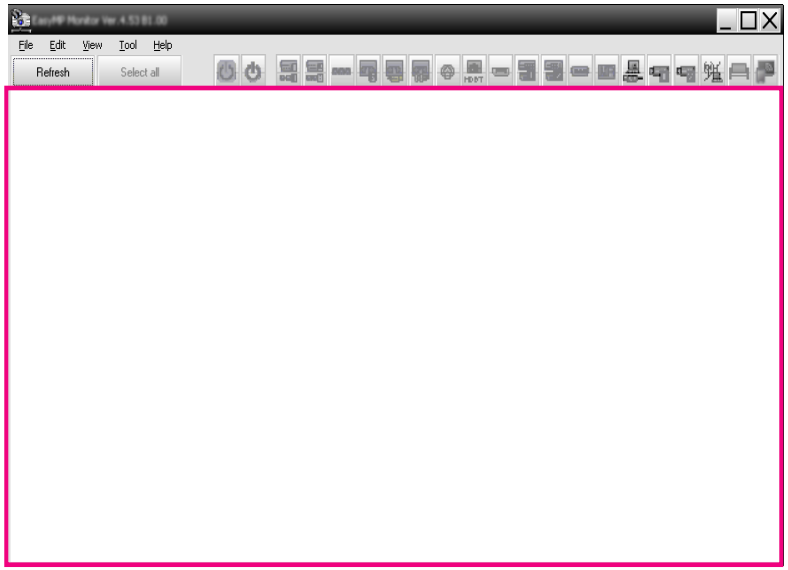
Click "Start" - "Programs" (or "All Programs") - "EPSON Projector" - "EasyMP Monitor Ver.x.xx" to start EasyMP Monitor.

If your operating system is Windows 8.x

From the Start menu , select "EasyMP Monitor Ver.x.x.xx" to start EasyMP Monitor.

2 **The main window will be displayed.**

The red box area described in the screen below is referred to as Grouping view.



Registering projectors using automatic search (Searching for and registering projectors that are located in the same segment)

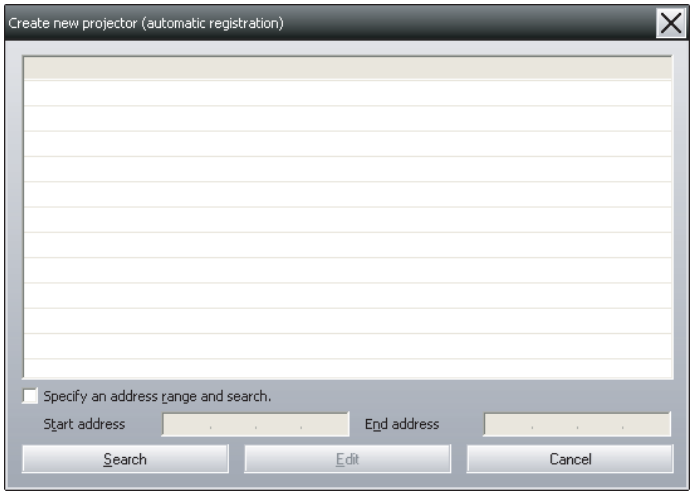
Procedures for automatic search

Procedure

1 **Right-click in Grouping view and select "New" - "Projector (automatic search)".**

The following Create new projector (automatic registration) window will be displayed.

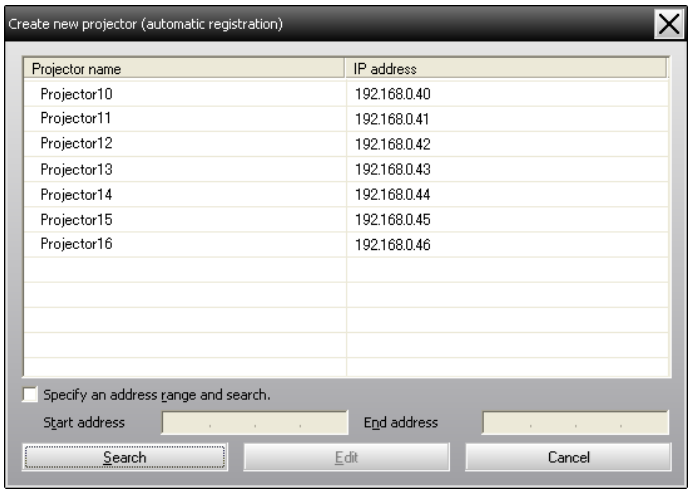
If Detail list view is displayed, select **New** - **Projector (automatic search)** from the Edit menu.



2 **Click "Search".**

Automatic searching will be carried out, and the names of the projectors that have been detected will be displayed.

If a projector does not appear in the list, use "Registration by specifying an IP address (Manual registration)". ☛ p.17



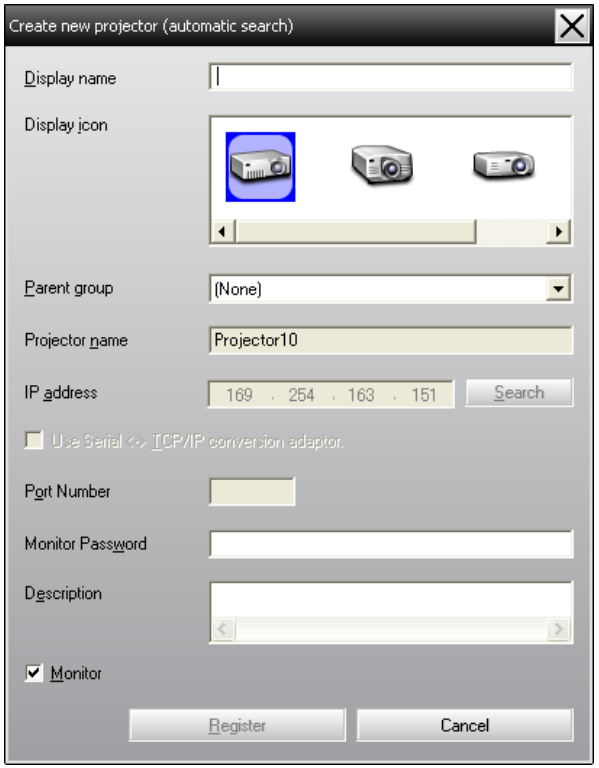
- *You can also carry out this operation by selecting **New** - **Projector (automatic search)** from the Edit menu.*
- *Projectors that are using a serial ↔ TCP/IP conversion adapter cannot be detected.*

Procedures for registration

Procedure

1 **Select the projector(s) to be registered from the displayed list, and then click "Edit".**

The following window will be displayed.



Make the necessary settings while referring to the following table.

Display name	Enter the name of the projector(s) to be displayed in Grouping view or Detail list view. Up to a maximum of 32 bytes can be entered. A space cannot be used as the first character.
Display icon	Select the icon(s) to be displayed in Grouping view or Detail list view.
Parent group	Select when registering a projector in a group. If no groups have been created, this cannot be selected. ☛ "Registering several projectors to a monitoring group all at once" p.18
Projector name	This shows the name that has been registered on the projector.
IP address	This shows the IP address for the registered projector.
Use Serial ↔ TCP/IP conversion adaptor.	This cannot be selected when registering projectors using automatic search.
Port Number	This cannot be selected when registering projectors using automatic search.
Monitor Password	If a Monitor Password has been set for the projector, be sure to enter the Monitor Password that has been set. If the correct password is not entered at this time, it will not be possible to monitor and control the projector even though it is registered.

Description	You can enter a memo about the projector. The details you enter here will be displayed at the projector properties. Up to a maximum of 60 bytes can be entered.
Monitor	Select this when you want monitoring to start.

2 **After entering the details, click "Register" to start the registration. When the message is displayed, click "OK".**

To continue registering other projector(s), repeat steps 1 and 2.

Projectors that have been registered using automatic search are searched for again by projector name each time EasyMP Monitor is started.

3 **To end the registration operation, click ☒ in the top-right corner of the window or click "Cancel".**

The icon(s) of the projector(s) you registered will be displayed in Grouping view or Detail list view.

Refer to ☛ "Monitoring window layout" p.21 for details on using the Grouping view and Detail list view.

Setting the range of addresses to do an automatic search and registration

Projectors that are using a serial ↔ TCP/IP conversion adapter cannot be detected.

Procedures for automatic search

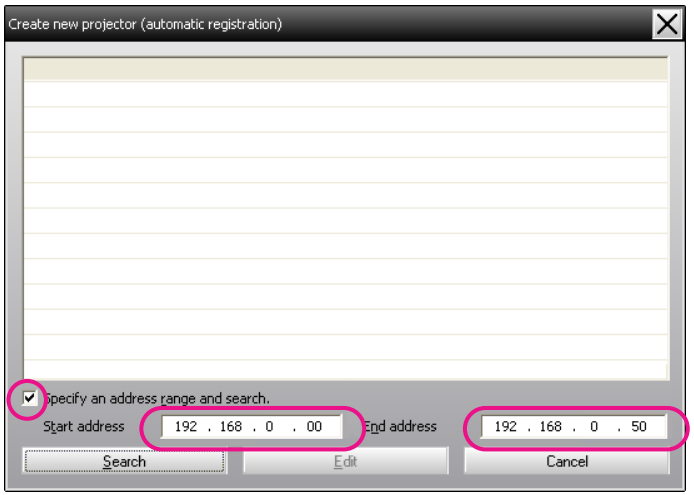
Procedure

1 **Right-click in Grouping view and select "New" - "Projector (automatic search)".**

The Create new projector (automatic registration) window will be displayed.

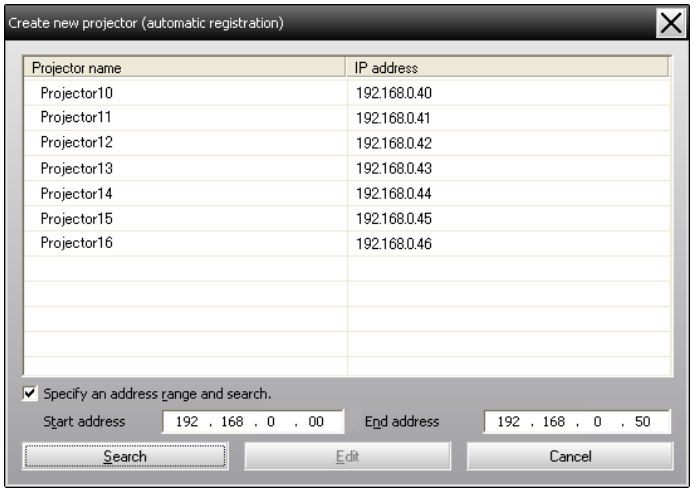
If Detail list view is displayed, select **New** - **Projector (automatic search)** from the Edit menu.

2 **Select the "Specify an address range and search." check box and then enter "Start address" and "End address" in the range.**



3 Click "Search".

Automatic searching will be carried out, and the names of the projectors that have been detected will be displayed.



Procedures for registration

Procedure

1. **Select the projector(s) to be registered from the displayed list, and then click "Edit".**

   The following window will be displayed.

Make the necessary settings while referring to the following table.

Display name	Enter the name of the projector(s) to be displayed in Grouping view or Detail list view. Up to a maximum of 32 bytes can be entered. A space cannot be used as the first character.
Display icon	Select the icon(s) to be displayed in Grouping view or Detail list view.
Parent group	Select when registering a projector in a group. If no groups have been created, this cannot be selected.☛ "Registering several projectors to a monitoring group all at once" p.18
Projector name	This shows the name that has been registered on the projector.
IP address	This shows the IP address for the registered projector.
Use Serial ↔ TCP/IP conversion adaptor.	This cannot be selected when registering projectors using automatic search.
Port Number	This cannot be selected when registering projectors using automatic search.
Monitor Password	If a Monitor Password has been set for the projector, be sure to enter the Monitor Password that has been set. If the correct password is not entered at this time, it will not be possible to monitor and control the projector even though it is registered.
Description	You can enter a memo about the projector. The details you enter here will be displayed at the projector properties. Up to a maximum of 60 bytes can be entered.
Monitor	Select this when you want monitoring to start.

2 **After entering the details, click "Register" to start the registration. When the message is displayed, click "OK".**

To continue registering other projector(s), repeat Steps 1 and 2.

3 **To end the registration operation, click ☒ in the top-right corner of the window or click "Cancel".**

The icon(s) of the projector(s) you registered will be displayed in Grouping view or Detail list view.

Refer to ☛ "Monitoring window layout" p.21 for details on using the Grouping view and Detail list view.

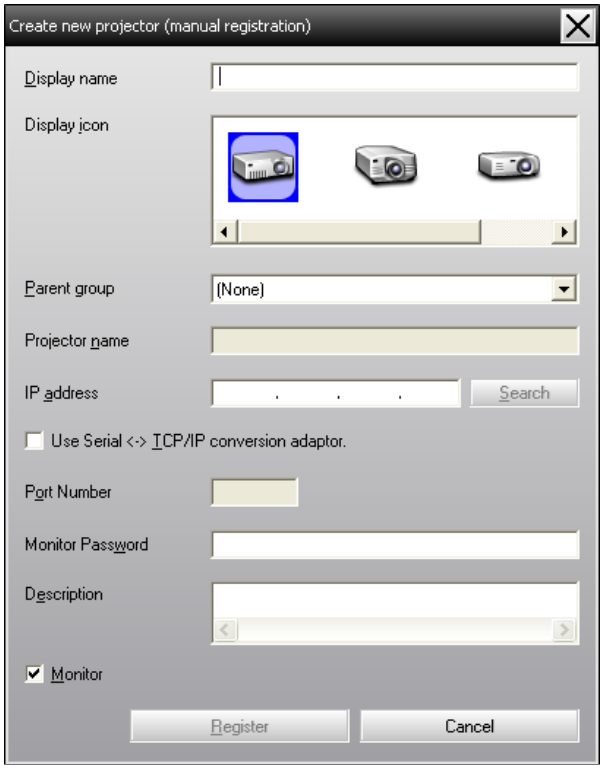
Registration by specifying an IP address (Manual registration)

Procedure

1 **Right-click in Grouping view and select "New" - "Projector (manual registration)".**

The following window will be displayed.

If Detail list view is displayed, select **New** - **Projector (manual registration)** from the Edit menu.



You can also carry out this operation by selecting **New** - **Projector (manual registration)** from the Edit menu.

2 Enter the IP address of the projector to be registered in the "IP address" box and then click "Search". When the message is displayed, click "OK".

If you are using a serial ↔ TCP/IP conversion adapter and cable to connect the projector, select **Use Serial ↔ TCP/IP conversion adaptor**, enter the port number in **Port Number**, and then click **Search**.

3 After searching is complete, enter the information for the projector to be registered while referring to the table below.

Display name	Enter the name of the projector(s) to be displayed in Grouping view or Detail list view. Up to a maximum of 32 bytes can be entered. A space cannot be used as the first character.
Display icon	Select the icon(s) to be displayed in Grouping view or Detail list view.
Parent group	Select when registering a projector in a group. If no groups have been created, this cannot be selected. (See the next section for more information on registering projectors to a group.)
Projector name	This shows the name that has been registered on the projector.
IP address	This shows the IP address that you entered in step 2.
Use Serial ↔ TCP/IP conversion adaptor.	Select this if you are using a serial ↔ TCP/IP conversion adapter to connect the projector.
Port Number	If you are using a serial ↔ TCP/IP conversion adapter to connect the projector, enter the port number.
Monitor Password	If a Monitor Password has been set for the projector, be sure to enter the Monitor Password that has been set. If the correct password is not entered at this time, it will not be possible to monitor and control the projector even though it is registered. If you are using a serial ↔ TCP/IP conversion adapter to connect the projector, the Monitor Password security function cannot be used.
Description	You can enter a memo about the projector. The details you enter here will be displayed at the projector properties. Up to a maximum of 60 bytes can be entered.
Monitor	Select this when you want monitoring to start.

4 After entering the details, click "Register" to start the registration. When the message is displayed, click "OK".

The icon(s) of the projector(s) you registered will be displayed in Grouping view or Detail list view.

Registering several projectors to a monitoring group all at once

Projectors that have been registered can then be registered together into different groups so that they can be monitored and controlled together.

Furthermore, if you select one of the registered groups as the Parent group, monitoring and control operations can be carried out for all projectors in that Parent group.

A Parent group can be set for other parent groups, so that a hierarchical group arrangement can be created.

First, create the registration groups, and then register projectors into the groups that have been created.

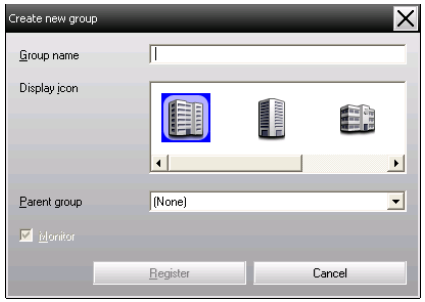
Procedure

1 Right-click in Grouping view and select "New" - "Group".

The following window will be displayed.

Make the necessary settings while referring to the table below.

If Detail list view is displayed, select **New** - **Group** from the Edit menu.



Group name	Enter the name of the group to be displayed in Grouping view or Detail list view. Up to a maximum of 32 bytes can be entered. A space cannot be used as the first character.
Display icon	Select the icon(s) to be displayed in Grouping view.
Parent group	This selects the parent group. If no groups have been created, this cannot be selected.
Monitor	Select this to monitor all projectors that have been registered in the group. If this is not selected, the settings made when the individual projectors were registered will be used. It cannot be set when creating a new group.

You can also carry out this operation by selecting **New** - **Group** from the Edit menu.

2 When the setup is complete, click "Register" to start the registration. When the message is displayed, click "OK".

The icon(s) of the projector(s) you registered will be displayed in Grouping view.

3 Right-click the projector icon(s) to register to the group you have created in Grouping view or Detail list view, and select "Edit".

You can also carry out this operation by selecting **Edit** in the Edit menu.

4 In the Edit projector window, select the group name to use for registering in Parent group and then click "Change".

The status of the group registration will be displayed as an icon in Grouping view.

The registration details can also be checked using Projector list in the View menu.

If the projector name or IP address changes after registration

For projectors that have been registered manually

Procedure

1. **Right-click on a projector icon in Grouping view or Detail list view and select "Monitoring disabled". Then right-click the projector icon again and select "Edit".**

You can also carry out these operations by using the Edit menu.

2. **If only the projector name has been changed, click "Search" in the Edit projector window that is displayed. If the IP address has been changed, enter the new IP address in the "IP address" box and then click "Search". When the message is displayed, click "OK".**

3. **When the display returns to the Edit projector window, click "Change".**

For projectors that have been registered using automatic search

Procedure

1. **Delete the projector(s) whose name or IP address has been changed in Grouping view or Detail list view. (See the next section for more information on deleting projectors.)**

2. **Carry out automatic search to re-register the projector(s).**☛ p.12

Cancelling projector registrations (Delete)

The registrations for projectors can be deleted if they are no longer required for monitoring or control using EasyMP Monitor.

Procedure

Right-click the icon for the projector or group that is to be deleted in Grouping view or Detail list view and select "Delete". When the message is displayed, click "OK".

More than one projector can be selected for deleting by selecting in Grouping view or Detail list view.

The methods of selecting more than one projector at the same time are as follows.

- If you select a Group icon in Grouping view, all projectors that have been registered in that group will be deleted at the same time.
- Hold down the Ctrl key on the keyboard while clicking on the desired icons.
- Use drag and drop to select a range of desired icons.

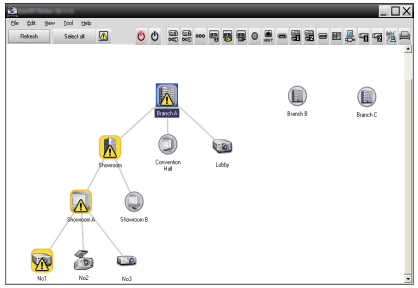
You can also carry out this operation by selecting **Delete** in the Edit menu.

Types of monitoring windows and switching method

Types of monitoring windows

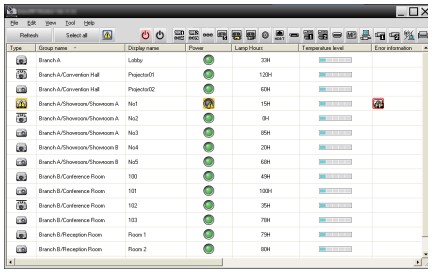
There are two types of monitoring windows. Select a desired window.

- **Grouping view**
  This view lets you check the status of group registrations in a hierarchical diagram.



Grouping view

- **Detail list view**
  This view lets you display the status of each projector as a list so that the projectors can be checked in detail. You can also display specific items as a list, and sort display items using a specific row as a sort key.



Detail list view

How to switch views

Grouping view and Detail list view are switched as follows.

Procedure

Click the View menu, and select "Grouping view" or "Detail list view".

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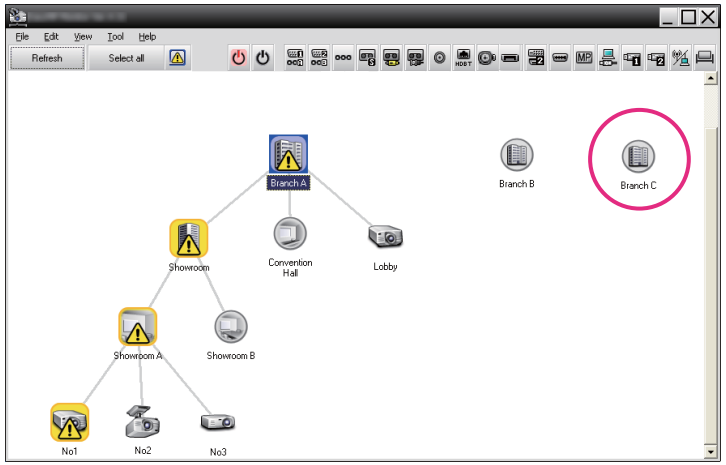
Monitoring using Grouping view

Meanings of Grouping view icons

In Grouping view, the patterns on the icons indicate the statuses of the projectors. If the group icons are round in shape, it indicates that there is another level below them. ☛ p.23



The icon patterns and their meanings are explained below.

Group	
	No warnings or problems All projectors in the group are normal.
	Warning or problem A projector in the group has a warning or problem status.
	Notification A projector requiring immediate attention has been detected within the group.
	Monitoring disabled The projector is not being monitored. If you right-click the icon and select **Monitoring enabled**, the projector will be added to the projectors that are being monitored.
	Data being updated

Projector	
	No warnings or problems[*1]
	Warning or problem
	Notification
	Monitoring disabled
	Data being updated

Projector	
	Network error (Monitor Password authentication error) No Monitor Password was entered when the projector was registered, or an incorrect Monitor Password was entered. ☛ p.13, p.16, p.17
	Network error (TCP connection error)[*2]
	Network error (ESC/VP.net communication error)[*3]

*1 When Temperature level display group view is set to On at Environment setup in the Tool menu, an icon indicating the internal temperature of the projector will be displayed on top of the projector icon. The default setting is Off. As you can get an idea of how the temperature inside the projector is increasing when Temperature level is displayed, you can make improvements to the projector's operating environment before a high internal temperature error or high-temperature warning occur. ☛ p.28

*2 Check the following items.
- Check that the projector's power is turned on.
- Check that the LAN cable is connected.
- Check that Standby Mode is set to Communication On (or Network On) or Network Monitoring is set to On in the projector's configuration menu.

*3 Check that the projector has been correctly connected to the network.

The projector information that is generated when a problem is detected is stored until EasyMP Monitor is closed. EasyMP Monitor displays will not be updated automatically even if the projector status returns to normal. Click "Refresh" in the main window to update the status.

Using the icons in Grouping view

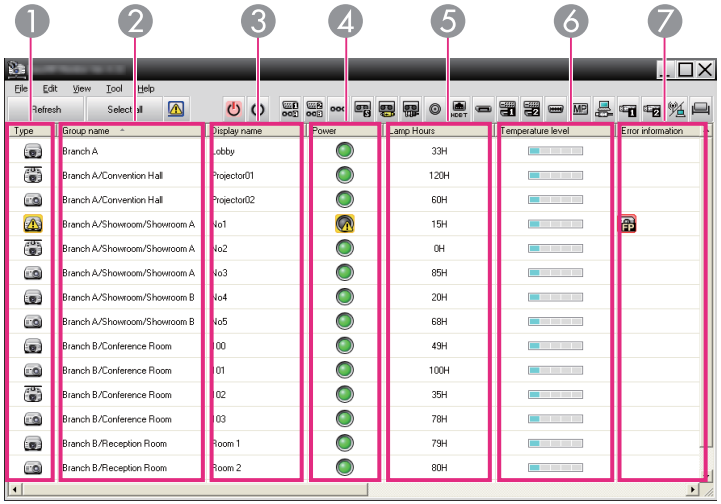
The following icon operations can be carried out in Grouping view.

- **Expanding and collapsing icons**
  Each time you double-click a group icon, the icons for the projector that have been registered in that group are displayed or hidden.
- **Moving icons**
  To change the position of an icon within Grouping view, simply drag and drop the icon to be moved.

Monitoring using Detail list view

Meanings of Detail list view icons

The status of registered projectors is displayed as a list in Detail list view regardless of which Group the projectors belong to.



The icon patterns and their meanings are explained below.

❶ Type

Displays the projector status.

- No warnings or problems[*1]
- Warning or problem

  An error has occurred on the projector.
- Notification

  The projector requires immediate attention.
- Monitoring disabled

  The projector is not being monitored. If you right-click the icon and select Monitoring enabled, the projector will be added to the projectors that are being monitored.
- Data being updated
- Network error (Monitor Password authentication error)

  No Monitor Password was entered when the projector was registered, or an incorrect Monitor Password was entered.
  ☛ p.13, p.16, p.17
- Network error (TCP connection error)[*2]
- Network error (ESC/VP.net communication error)[*3]

❷ Group name

When projectors are registered to a group, the name of the group that the projector belongs to is displayed.

❸ Display name

Shows the display name.

❹ Power

Shows the power on status for the projector.

- Power on and normal status
- Power off and normal status
- Power on and abnormal status
- Power off and abnormal status

❺ Lamp Hours

Shows the lamp operating time for the projector. If the projector has 2 lamps, it shows the lamp operating time for both lamp 1 and lamp 2.

❻ Temperature level

The following five icons display the differing internal temperature status of the projector.

- Internal temperature normal
- Internal temperature normal
- High-temperature warning
- High-temperature warning
- Internal temperature error

❼ Error information

Shows a notification or warning/problem status using the following icons.

- Clean Air Filter Notice
- Replace Lamp[*4]
- Replace Lamp (Lamp 1)
- Replace Lamp (Lamp 2)
- Lamp error (Lamp 1)
- Lamp error (Lamp 2)
- Lamp failure at power on (Lamp 1)
- Lamp failure at power on (Lamp 2)
- High-temperature warning
- Replace Air Filter
- No Air Filter
- Low Air Flow
- Air Flow Sensor Err.
- Supply System Error (Ballast 1)
- Supply System Error (Ballast 2)
- Cinema filter warning
- Shutter warning
- Lamp Cover Open
- Lamp Error
- Lamp Error (Lamp 1)
- Lamp Error (Lamp 2)
- Lamp failure at power on

- Lamp failure at power on (Lamp 1)
- Lamp failure at power on (Lamp 2)
- High internal temperature error
- Low air flow error
- Air filter air flow sensor error
- Internal Error
- Fan error
- Sensor error
- Supply System Error (Ballast)
- Supply System Error (Ballast 1)
- Supply System Error (Ballast 2)
- Auto Iris Error
- Cinema filter error
- Shutter error
- Cooling system error (Peltier element)
- Cooling system error (pump)
- Other error
- Obstacle Detection Warning
- Exhaust vent shutter error
- Easy Interactive Function Error
- Obstacle Detection Error
- Other Warning
- Projector Direction Warning
- Lamp Mismatch Warning

*1 When Temperature level display group view is set to On at Environment setup in the Tool menu, an icon indicating the internal temperature of the projector will be displayed on top of the projector icon. The default setting is Off.

*2 Check the following items.
- Check that the projector's power is turned on.
- Check that the LAN cable is connected.
- Check that Standby Mode is set to Communication On (or Network On) or Network Monitoring is set to On in the projector's configuration menu.

*3 Check that the projector has been correctly connected to the network.

*4 You can display Replace Lamp at any time by setting a preset in the Environment setup in the Tool menu.

- *The projector information that is generated when a problem is detected is stored until EasyMP Monitor is closed. EasyMP Monitor displays will not be updated automatically even if the projector status returns to normal. Click "Refresh" in the main window to update the status.*
- *Detectable error information differs with the projector you are using.*

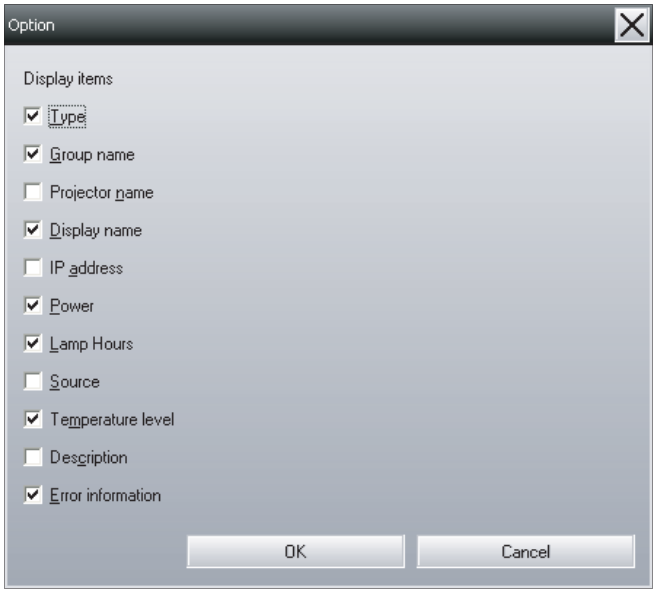
Selecting display items

You can select only the required items to be displayed in Detail list view.

Procedure

1 Select "Option" from the View menu.

The Option window will be displayed.



2 Select the check box of the item you want to display.

3 **Click "OK".**

4 **When all of the details of the item cannot be displayed in Detail list view, drag the boundary line on the right of the item name so that the view is extended to the desired width.**

Sorting lists

You can sort detailed lists by using a specific row as a sort key, such as projector name order or IP address order.

Procedure

Click the item name of the row you want to use as the sort key.

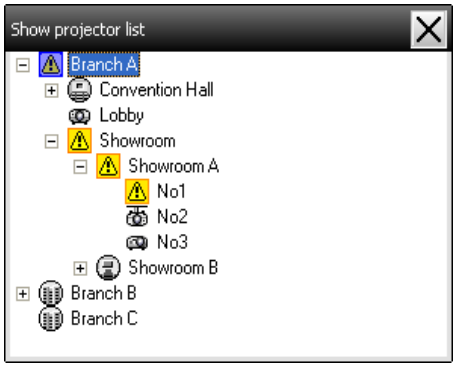
Searching for desired icons (Projector list)

The Projector list feature is useful for searching in lists when many groups and projectors are registered and the icon you are looking for is not displayed on screen.

Procedure

Select "Projector list" from the View menu.

The following window will be displayed.



With Projector list, temperature level icons are not displayed regardless of the setting of Temperature level display group view at Environment setup in the Tool menu.

The Projector list lets you check the registration details for groups in a hierarchical diagram. When you click on an icon, Grouping view and Detail list view are scrolled so that the selected icon is displayed in the window.

Monitoring using the system tray

The projector statuses are always displayed as icons in the system tray, even when Grouping view or Detail list view is not always displayed, and the statuses can be checked by the icon patterns.

When the configuration menus are set using the following operations, an icon appears in the system tray and the status can be monitored by means of the icon's pattern.

The icon patterns are explained below.

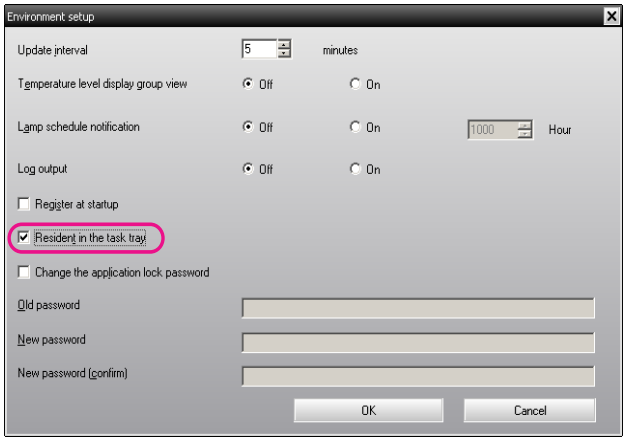
No problem Problem

Procedure

1 Select "Environment setup" from the Tool menu.

The Environment setup window will be displayed.

2 Select "Resident in the task tray".



3 Click "OK".

- *Right-click the icon in the system tray to open a pop-up menu to select the **Open the main screen** or **Exit**.*
- *If **Register at startup** in the Environment setup is selected, EasyMP Monitor starts automatically when the computer's power is turned on. When using EasyMP Monitor under Windows Vista, Windows 7, or Windows 8.x you must have administrator authority in order to use this function.*

Displaying projectors with problem or warning statuses in a list

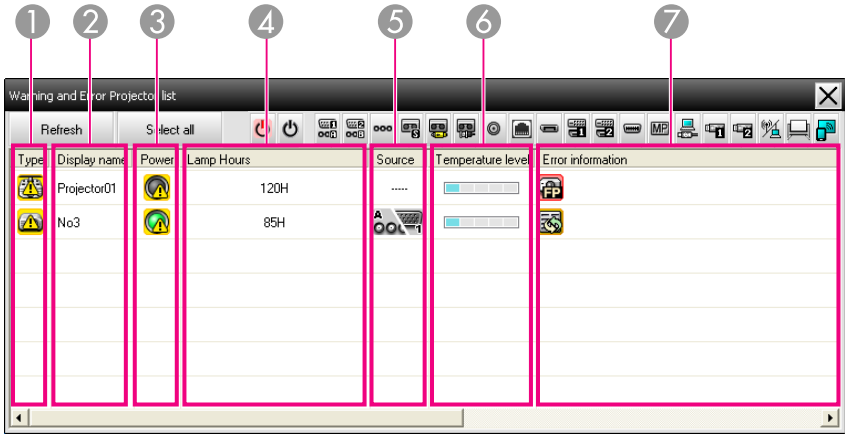
You can display a list of only the projectors which have a problem or warning status.

Procedure

Select "Warning and Error Projector list" from the View menu.

The following Warning and Error Projector list window will be displayed.

If you move the mouse pointer over the icon of the Error information, details of the error and the remedy will be displayed. If you double-click in a line, the properties for that projector will be displayed. ☛ p.32



The icon patterns and their meanings are explained below.

❶ Type

Shows the group or projector status.

- No warnings or problems[*1]
- Warning or problem

  An error has occurred on the projector.
- Notification

  The projector requires immediate attention.
- Monitoring disabled

  The projector is not being monitored. If you right-click the icon and select Monitoring enabled, the projector will be added to the projectors that are being monitored.
- Data being updated
- Network error (Monitor Password authentication error)

  No Monitor Password was entered when the projector was registered, or an incorrect Monitor Password was entered.
  ☛ p.13, p.16, p.17
- Network error (TCP connection error)[*2]
- Network error (ESC/VP.net communication error)[*3]

❷ Display name

Shows the display name.

❸ Power

Shows the power on status for the projector.

- Power on and normal status
- Power off and normal status
- Power on and abnormal status
- Power off and abnormal status

❹ Lamp Hours

Shows the lamp operating time for the projector.

❺ Source

Shows the input source that has been selected for the projector.

- Computer or Computer1
- Computer2
- BNC
- S-Video
- Video (RCA)
- Video (BNC)
- SDI
- DisplayPort
- DVI-D1 or HDMI1, DVI-D, HDMI[*4]
- DVI-D2 or HDMI2[*5]
- D-Video
- EasyMP
- USB Display
- USB or USB1
- USB2
- LAN
- HDBaseT
- Whiteboard
- Screen Mirroring

❻ Temperature level

The following five icons display the differing internal temperature status of the projector.

- Internal temperature normal
- Internal temperature normal
- High-temperature warning
- High-temperature warning

Internal temperature error

❼ Error information

Shows a warning/problem status using the following icons.

- Replace Lamp*6
- Replace Lamp (Lamp 1)
- Replace Lamp (Lamp 2)
- Lamp error (Lamp 1)
- Lamp error (Lamp 2)
- Lamp failure at power on (Lamp 1)
- Lamp failure at power on (Lamp 2)
- High-temperature warning
- Replace Air Filter
- No Air Filter
- Low Air Flow
- Air Flow Sensor Err.
- Supply System Error (Ballast 1)
- Supply System Error (Ballast 2)
- Cinema filter warning
- Shutter warning
- Lamp Cover Open
- Lamp Error
- Lamp Error (Lamp 1)
- Lamp Error (Lamp 2)
- Lamp failure at power on
- Lamp failure at power on (Lamp 1)
- Lamp failure at power on (Lamp 2)
- High internal temperature error
- Low air flow error
- Air filter air flow sensor error
- Internal Error
- Fan error
- Sensor error
- Supply System Error (Ballast)
- Supply System Error (Ballast 1)
- Supply System Error (Ballast 2)
- Auto Iris Error
- Cinema filter error
- Shutter error
- Cooling system error (Peltier element)
- Cooling system error (pump)
- Other error
- Exhaust vent shutter error
- Obstacle Detection warning
- Easy Interactive Function Error
- Obstacle Detection Error
- Projector Direction Warning
- Lamp Mismatch Warning
- Other Warning

*1 When Temperature level display group view is set to On at Environment setup in the Tool menu, an icon indicating the internal temperature of the projector will be displayed on top of the projector icon. The default setting is Off.

*2 Check the following items.
- Check that the projector's power is turned on.
- Check that the LAN cable is connected.
- Check that Standby Mode is set to Communication On (or Network On) or Network Monitoring is set to On in the projector's configuration menu.

*3 Check that the projector has been correctly connected to the network.

*4 It describes DVI-D if the projector is equipped with both DVI-D and HDMI input terminal.

*5 It describes HDMI if the projector is equipped with both DVI-D and HDMI input terminal.

*6 You can display Replace Lamp at any time by setting a preset in the Environment setup in the Tool menu.

Detectable error information differs with the projector you are using.

Checking properties in detail

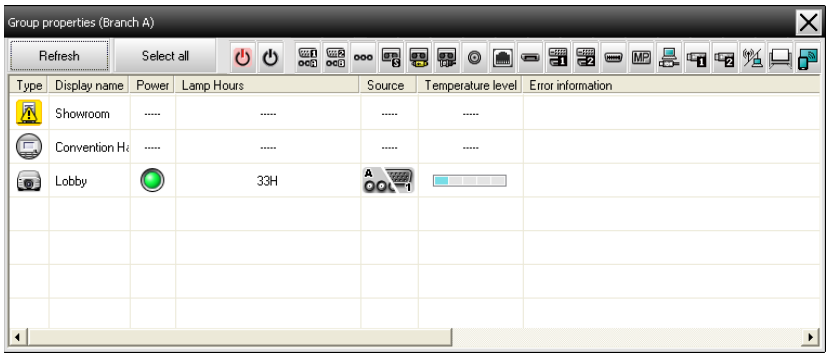
You can check the properties of Group and projectors in detail.

Displaying Group properties

Procedure

You can use either of the following methods to display the properties.

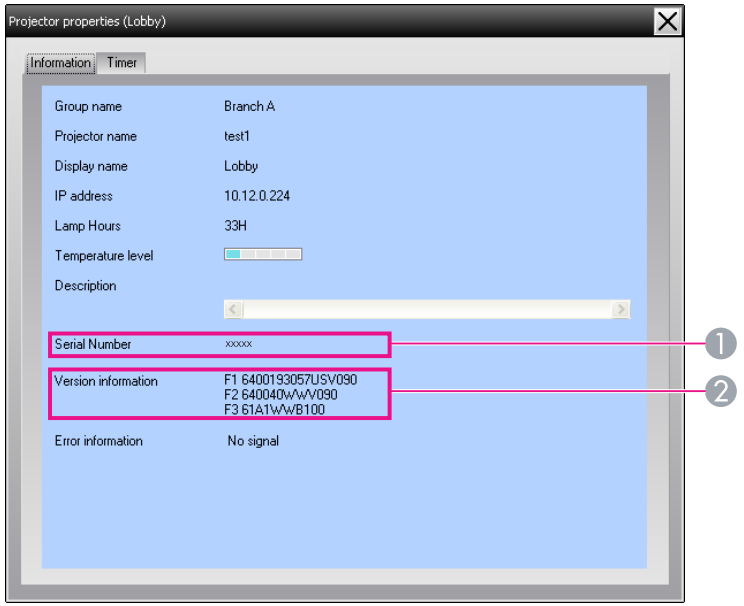
- **Displaying the properties for all groups in Grouping view**
  Right-click in Grouping view and select **Property**.
- **Displaying the specified group properties**
  Right-click an icon in Grouping view and then select **Property**.



If you double-click in a line, the properties for that group or projector will be displayed.

Displaying Projector properties

Right-click on a projector icon in Grouping view or Detail list view and select **Property**.



❶ Shows the projector's serial number. If hyphens are displayed, confirm the serial number on the label of the projector.

❷ Displays the projector firmware version.

Displaying and deleting logs

In your web browser, you can check a transmission log of content such as what has been controlled by EasyMP Monitor and projector errors. You can delete logs once you have checked them.

When Log output is set to On at Environment setup in the Tool menu, transmission logs are stored. The default setting is Off.

Displaying Log

Procedure

Select "Log" - "View" from the View menu.

The web browser will open and the communication logs up until that time will be displayed.

Deleting Log

Procedure

Select "Log" - "Delete" from the View menu. When the confirmation message is displayed, click "OK".

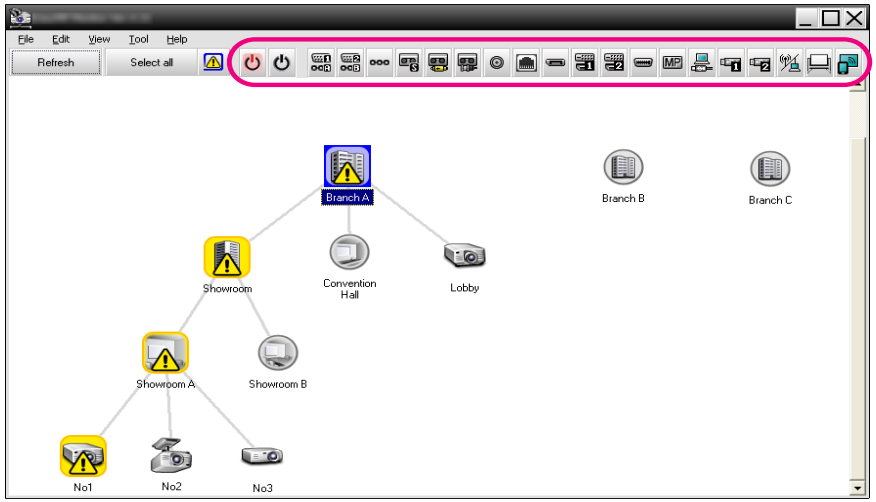
All logs will be deleted and details of EasyMP Monitor control operations and details of projector errors from that point onward will be recorded in a new log.

Carrying out control using control buttons

Click the icon of a projector to be controlled in Grouping view or Detail list view, and click a control button to enable control of only that selected projector.

You can also enable control of all selected projectors by selecting more than one projector in Grouping view or Detail list view and clicking a control button. The methods of selecting more than one projector at the same time are as follows.

- If you select a group icon in Grouping view, all projectors that have been registered in that group and that are set to be monitored can be controlled at the same time.
- Hold down the Ctrl key on the keyboard while clicking on the desired icons.
- Use drag and drop to select a range of desired icons.



The following table shows the meanings of the control buttons.

	Power On	Turns the projector power on.
	Power Off	Turns the projector power off.
	Switch source Computer1	Switches the input source to the Computer1 port or Computer port.
	Switch source Computer 2	Switches the input source to the Computer2 port.
	Switch source BNC	Switches the input source to the BNC port.
	Switch source S-Video	Switches the input source to the S-Video port.
	Switch source Video (RCA)	Switches the input source to the Video port or video2 port.
	Switch source Video (BNC)	Switches the input source to the Video1 port.
	Switch source SDI	Switches the input source to the SDI port.
	Switch source HDBaseT	Switches the input source to the HDBaseT port.
	Switch source DisplayPort	Switches the input source to the DisplayPort port.
	Switch source DVI-D, HDMI 1	Switches the input source to the DVI-D1 port or HDMI1 port. If the projector is equipped with either a DVI-D port or HDMI port, use this button to switch the input signal. If the projector is equipped with both DVI-D port and HDMI port, use this button to select DVI-D as an input source.
	Switch source DVI-D, HDMI 2	Switches the input source to the DVI-D2 port or HDMI2 port. If the projector is equipped with both DVI-D port and HDMI port, use this button to select HDMI as an input source.
	Switch source D-Video	Switches the input source to the D4 port.
	Switch source EasyMP	Switches the input source to EasyMP or EasyMP.net.
	Switch source USB Display*	Switches the input source to USB Display.
	Switch source USB1*	Switches the input source to the external equipment connected via a USB (Type A) port or USB1.
	Switch source USB2*	Switches the input source to the external equipment connected via a USB2 port.
	Switch source LAN*	Switches the input source to the image projected by the computer via a network.
	Switch source Whiteboard	Switches the input source to Whiteboard.
	Switch source Screen Mirroring	Switches the input source to Screen Mirroring.

* If the button does not function, you can switch the input source using the MP button.

- *Some connected projectors may not be equipped with all of the above ports or functions. If you click a button for a port or function that is not available, nothing will happen.*

- *You can select objects to be controlled and use the control buttons to carry out control operations even when the following are being displayed.*

  Group properties ☛ *p.32*

  Projector properties ☛ *p.32*

  Warning and Error Projector list
  (Control operations can only be carried out for projectors with a warning status.) ☛ *p.28*

Carrying out control using a web browser (Web control)

You can use the computer's web browser to change the configuration menu settings for projectors.

Procedure

1. **Right-click on the icon of a projector to be controlled in Grouping view or Detail list view and select "Web control".**

2. **The web browser will open and the Web control window will be displayed.**

Web control lets you set the same details as the configuration menu for the projector. See your *User's Guide* for more information.

You can select projectors and right-click on them to select Web control even when the following are being displayed.

Group properties ☛ p.32

Warning and Error Projector list (Control operations can only be carried out for projectors with a warning status.) ☛ p.28

Carrying out control using timer settings

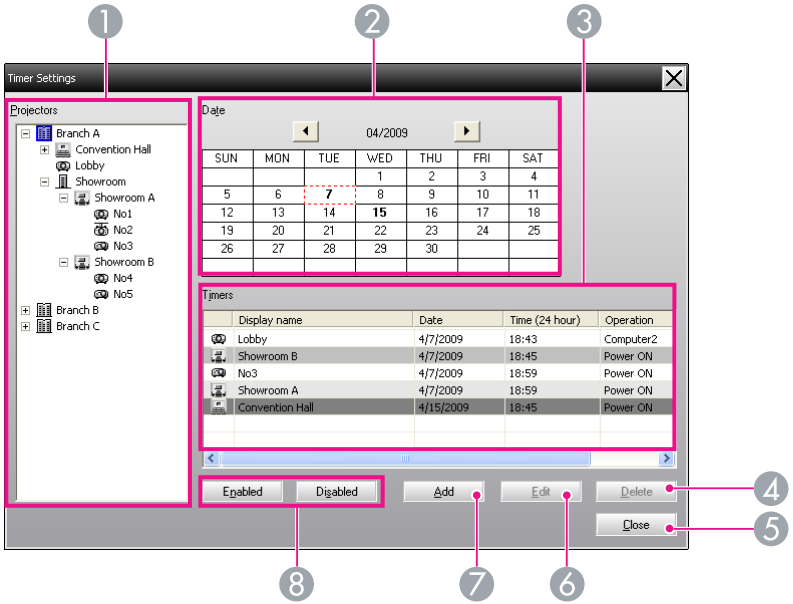
This is useful for carrying out certain control operations such as turning a projector's power on and off at specified times every day or every week.

Timer settings can be carried out either for a single projector only, or all at once for all projectors in a group.

Procedure

Select "Timer" - "Timer Settings" from the Tool menu.

The following window will be displayed and you can then check the timer setting status.



The details that can be checked and operations that can be carried out at this time are given below.

❶ Projectors

Selects a group or projector to check the status of.

When a group is selected, the timer setting statuses for all projectors in that group are displayed.

❷ Date

Shows the current day in a red box.

Days for which timer settings have been made are shown in bold.

Click ◀ or ▶ to switch to the calendar for the previous or next month.

❸ Timers

Shows a list of the timer settings.

The line colors in the Timers list have the following meanings:

- Current day's timer setting
- When some of the projectors in the group have timer setting enabled and others have it disabled for the current day's timer setting
- When the current day's timer setting is a disabled setting
- Timer setting for a day other than the current day

❹ Delete

Lets you delete timer settings that have been selected from the timer list.

❺ Close

Closes the Timer Settings window.

❻ Edit

Lets you change the timer settings that have been selected from the timer list. If a group has been selected for status checking, the settings cannot be changed.

❼ Add

Registers new timer settings. (See the next section for more information.)

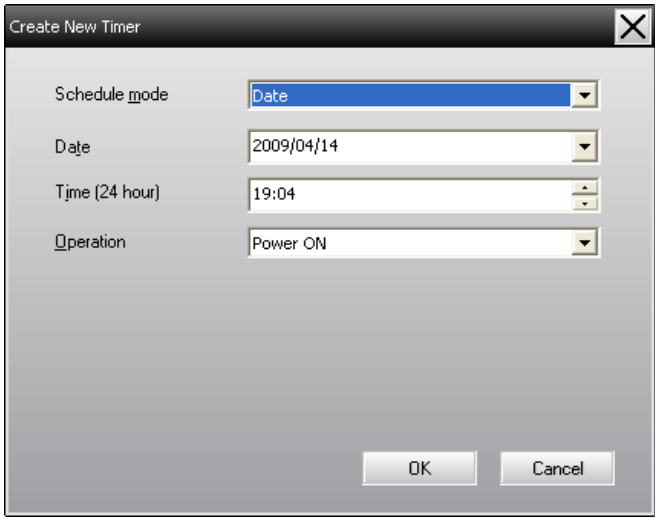
❽ Enabled/Disabled

Switches the timer settings that have been selected from the timer list between Enabled and Disabled.

Procedures for new timer settings

Procedure

1 **Click "Add" on the Timer Settings window. The following window is displayed and the new timer settings are applied.**



At Operation, you can carry out the operations of turning the power on and off and switching the input sources, similarly for the control buttons on the main window. If you set the input source switching, the projector's power will turn on at the timer start time even if it is not on at the time. Because of this, it is not necessary to make two separate timer settings for turning the power on and switching the input source.

2 **After completing the timer settings, click "OK".**

The timer settings that have been made will be registered and they can be checked in the displayed timer list.

You can enable and disable all of the timer settings that have been registered. Select **Timer** - **Enable** or **Disable** from the Tool menu.

Mail notification function settings

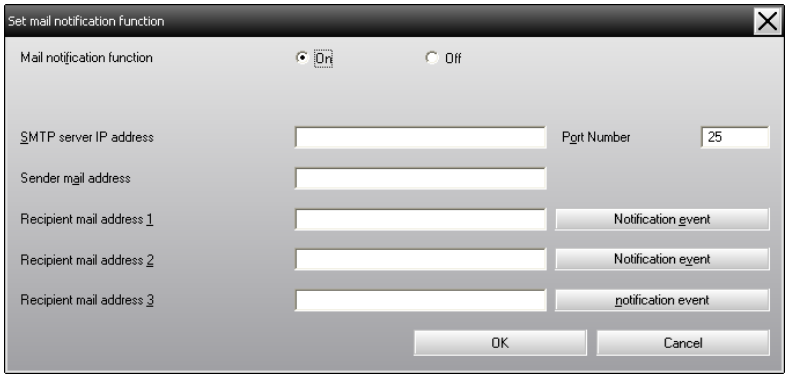
The mail notification function can be used to send corresponding notification messages to a preset e-mail address when a projector that is connected to the network assumes a certain status, or if it experiences a problem or warning. By using this function, the operator can be notified of a projector's status or problems even when the operator is in a different location from the projectors.

- *Up to three addressees (destinations) can be registered and messages can be sent to all of them at once.*
- *If a critical problem develops with a projector which causes it to suddenly stop working, it may not be possible for the projector to send a message notifying an operator of the problem.*
- *If Standby Mode is set to Communication On (or Network On) or Network Monitoring is set to On in the projector configuration menus, you can monitor the projector even when it is in standby mode (when its power is turned off). See your User's Guide for more information.*
- *On some projectors, the mail notification function can be set in the configuration menu. When notification messages are set to be sent in the projector's configuration menu, both the settings in the configuration menu and settings made on EasyMP Monitor are functional.*
- *Detectable status with the mail notification function differs with the projector you are using.*

Procedure

1. **Select "Mail notification function" from the Tool menu.**

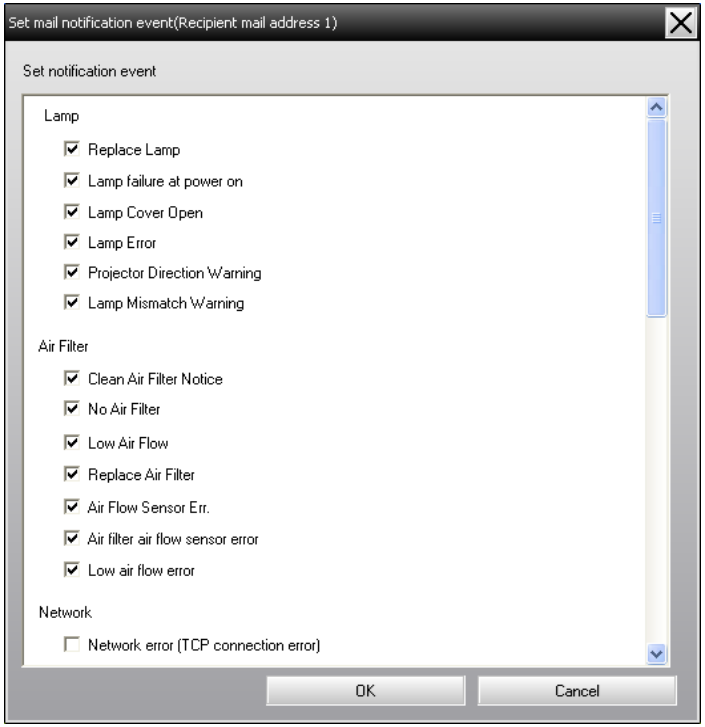
2. **The Set mail notification function window will be displayed.**



Make the necessary settings while referring to the table below.

Mail notification function	Set to On to use the mail notification function.
SMTP server IP address	Enter the IP address of the SMTP server. Up to a maximum of 255 bytes can be entered. When you change a port number of the SMTP server, specify this port number. The default value is "25". You can enter a valid number from 1 to 65535.
Sender mail address	Enter the sender's e-mail address. Up to a maximum of 255 bytes can be entered.
Recipient mail address 1	Specify the destination addresses for the notification e-mail. Up to three destinations can be set. Up to a maximum of 255 bytes can be entered.
Recipient mail address 2	
Recipient mail address 3	

3 **Click "Notification event" and check the items for mail notification in the window that appears.**



4 **Click "OK".**

The Set mail notification function window appears again.

Repeat Steps 3 and 4 to set the notification events for the other email addresses.

5 **When the setup is complete, click "OK".**

An e-mail notifying the operator of a problem/warning/status is issued

If the projector experiences a problem or enters a status requiring attention, an e-mail like that shown below is sent to the address specified for Recipient mail address.

If there is more than one problem, warning, or status, the corresponding messages are output to separate lines.

Item	Details shown
E-mail subject	[Display name displayed in Grouping view or Detail list view] Projector status notification
Body	<Display name displayed in Grouping view or Detail list view> has entered the following status. <Warning/error/status message> (Please see the next table)

The details contained in the e-mail message can consist of the following.

Message	Remedy
Easy Interactive Function Error	Stop using the projector, disconnect the power cable from the electrical outlet, and contact Epson. See your *User's Guide* for more information.
Internal Error	
Fan error	
Sensor error	
Lamp Cover Open	See your *User's Guide* for more information.
Lamp failure at power on*	
Lamp Error*	
Lamp Mismatch Warning	
Projector Direction Warning	
Supply System Error (Ballast)*	Stop using the projector, disconnect the power cable from the electrical outlet, and contact Epson. See your *User's Guide* for more information
High internal temperature error	
Low air flow error	
Exhaust vent shutter error	
Cinema filter error	
Shutter error	
Cooling system error (Peltier element)	
Cooling system error (pump)	
Auto Iris Error	
High-temperature warning	See your *User's Guide* for more information.
Replace Lamp*	
Supply System Error (Ballast)*	
Replace Air Filter	
No Air Filter	
Low Air Flow	
Air Flow Sensor Err.	
Air filter air flow sensor error	
Cinema filter warning	
Shutter warning	
Clean Air Filter Notice	See your *User's Guide* for more information.
Obstacle Detection Error	
Obstacle Detection Warning	
Low air flow error	
High internal temperature error	
Other warning	
Other error	
No signal	No image signals are being received by the projector. Check the connection status and check that the power for the connected equipment is turned on.

Message	Remedy
Network error (TCP connection error)	Check the following items. Check that the projector's power is turned on. Check that the LAN cable is connected. Check that Standby Mode is set to Communication On (or Network On) or Network Monitoring is set to On in the projector's configuration menu. See your *User's Guide* for more information.
Network error (ESC/VP.net communication error)	Check that the projector has been correctly connected to the network. See your *User's Guide* for more information.
Network error (Monitor Password authentication error)	Check the projector's Monitor Password.

* When the projector has 2 lamps, the additional information, such as (Lamp 1) or (Ballast 1), is displayed after the message so that you can know which lamp has problems/warnings.

Messages to inform that the projector has recovered from the error or warning statuses are sent.

Application lock function

You can use the application lock to prevent third parties from operating the projectors using EasyMP Monitor and from changing settings without authority. Opening and closing EasyMP Monitor and status monitoring can still be carried out even when the application lock is applied.

In addition, when a password has been set, the password must be entered in order to cancel the application lock. This ensures that the application lock can not be easily cancelled, and thus improves system security.

Switching Application lock between Enabled and Disabled

Enabling the application lock

Procedure

Select "Application lock" from the Tool menu.

The application lock will be enabled and no operations will be possible other than opening and closing EasyMP Monitor and disabling the application lock.

Disabling the application lock

Procedure

1. **Select "Application unlock" from the Tool menu.**
2. **The password entry window will be displayed, so enter the set password and then click "OK".**

   If no password has been set (default setting), click **OK** without entering a password. It is recommended that you enter a password in order to strengthen security.

   The application lock will be cancelled and operations can be carried out as normal.

Setting a password for cancelling application lock

Carry out the following operations while application lock is cancelled.

Procedure

1. **Select "Environment setup" from the Tool menu.**

   The Environment setup window will be displayed.
2. **Select "Change the application lock password".**
3. **Enter the password in both the "New password" and "New password (confirm)" boxes and then click "OK".**

   The password can be up to 16 bytes in length. Single-byte alphanumeric characters can be used.

Appendix

Projectors cannot be monitored or controlled

Cause	Remedy
Is the projector connected to the network correctly?	Check that the network cable has been connected correctly. If the cable is not connected correctly, reconnect it.
Has the projector been set up correctly for connection to the network?	Check the Network configuration settings. See your *User's Guide* for more information.
Has EasyMP Monitor been installed on the computer correctly?	Uninstall EasyMP Monitor and then re-install it.☛ p.8
Are all the projectors that you want to control or monitor registered?	Register the projectors. ☛ p.11
Is the projector's Standby Mode set to Communication On (or Network On) or Network Monitoring set to On in the configuration menu?	In order to use EasyMP Monitor to monitor and control the projector when it is in standby mode, the projector's Standby Mode must be set to Communication On (or Network On) or Network Monitoring must be set to On in the configuration menu. See your *User's Guide* for more information.

An e-mail message is not sent when a problem occurs with a projector

Cause	Remedy
Is the projector connected to the network correctly?	Check that the network cable has been connected correctly. If the cable is not connected correctly, reconnect it.
Has the projector been set up correctly for connection to the network?	Check the Network configuration settings. See your *User's Guide* for more information.
Have the SMTP server IP address, Port Number and Recipient mail address all been set correctly?	Check the setting details.
Is the projector's Standby Mode set to Communication On (or Network On) or Network Monitoring set to On in the configuration menu?	In order to use EasyMP Monitor to monitor and control the projector when it is in standby mode, the projector's Standby Mode must be set to Communication On (or Network On) or Network Monitoring must be set to On in the configuration menu. See your *User's Guide* for more information.
Has a critical problem developed causing the projector to momentarily stop working?	When the projector has momentarily stopped working, it cannot send e-mail messages. If the projector cannot be reset even after it has been checked, contact Epson. See your *User's Guide* for more information.
Is power being supplied to the projector?	Check if the power supply to the location where the projector is set up has been interrupted, or if the circuit breaker for the electrical outlet that the projector is connected to has been tripped.

Uninstalling EasyMP Monitor

To save or transfer the existing projector settings, make a copy of the EMP Monitor.dat file before you uninstall the software.
☛ "Transferring the settings" p.7

The following procedures to uninstall EasyMP Monitor vary depending on your operating system.

- If your operating system is Windows 2000 or Windows XP

  Click **Start** - (**Settings**) - **Control Panel** - **Add/Remove Programs** or **Add or Remove Programs** to uninstall EasyMP Monitor.

- If your operating system is Windows Vista or Windows 7

  Click **Start** - **Control Panel** - **Uninstall a program** to uninstall EasyMP Monitor.

- If your operating system is Windows 8

  From the Start menu, right-click "EasyMP Monitor Ver.x.x.xx" and select "Uninstall" to uninstall EasyMP Monitor.

With Windows Vista, Windows 7, and Windows 8, settings and logs remain on the hard disk even after EasyMP Monitor is uninstalled. If you do not need this information, delete the EasyMP Monitor Ver. x.xx (Ver. x.xx represents the version of the existing software) folder. This folder can be found at "C:\Users\(User Name)\AppData\Local\VirtualStore\Program Files\EPSON Projector" if the default settings were used to install the software.

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6/14

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