

EPSON®

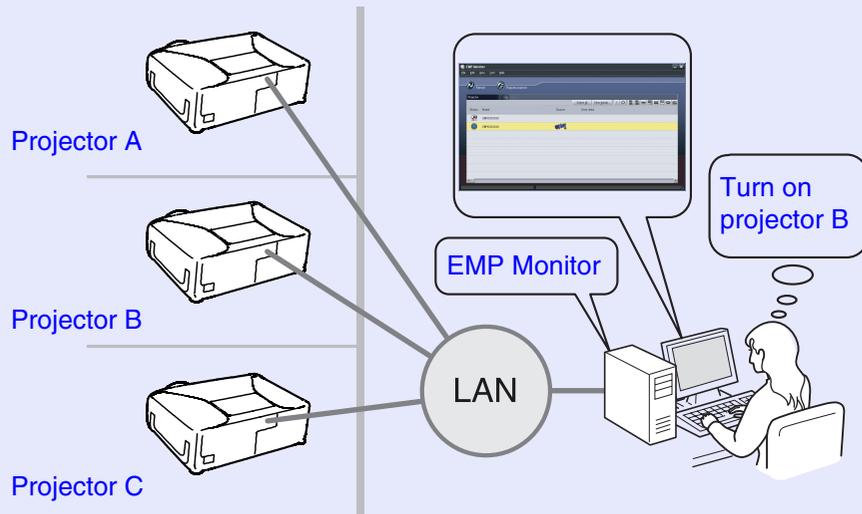
EMP Monitor Operation Guide



 CAUTION	Indicates something that may cause injury or damage to the projector.
 TIP	Indicates information that is related to a topic or which may be useful to know.
	Indicates a page where a related topic or more a detailed explanation is provided.
[(Name)]	Indicates the name of a projector port or a computer menu or item name. Example: [InputA] [Start]

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You can display status information on a computer screen for multiple projectors that are connected to a network and also carry out batch operations on all projectors such as turning the power on and off and changing the image source. A maximum of 64 projectors can be monitored and controlled by batch operations.



System configuration example



TIP

If the projector's "Network Monitoring" or "Standby Mode" configuration menu is set to "ON" or "Network ON", the projector can still be monitored when it is in standby mode (when the  (Power) indicator is lit orange).

Compatible computers

* Macintosh computers cannot be used.

OS*	98SE/Me/NT4.0/2000 Professional/XP Home Edition/XP Professional
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	6 MB or more
Display	XGA (1024×768) or higher resolution, 16 bit or higher display colour

Before starting operations

Check the following points before starting up EMP Monitor.

- EMP Monitor must be installed in the computer to be used for monitoring and control.
- The computer and the projectors must be connected to the network.
- If using Windows 2000, NT4.0 or XP, the computer must be started up in Administrator mode.

(When using EMP-81/61)

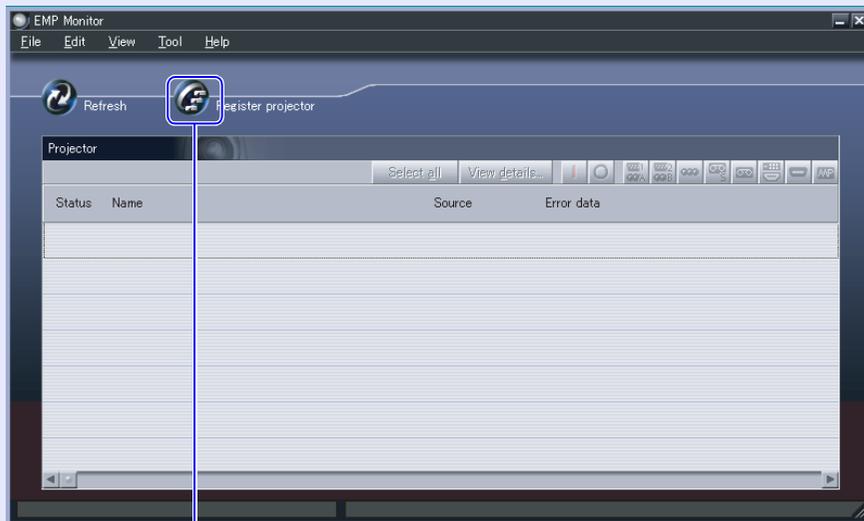
- To use EMP Monitor, an adapter and cable for conversion are required.  *User's Guide "Standby mode"*
- You need to make a setting for the adapter before connecting it to the projector.  *The adapter's documentation*
Refer to the "Appendices" for details about the adapter setting.  [p.12](#)

Registering projectors for monitoring

This operation is carried out when starting EMP 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 EMP Monitor is started from that point onwards.

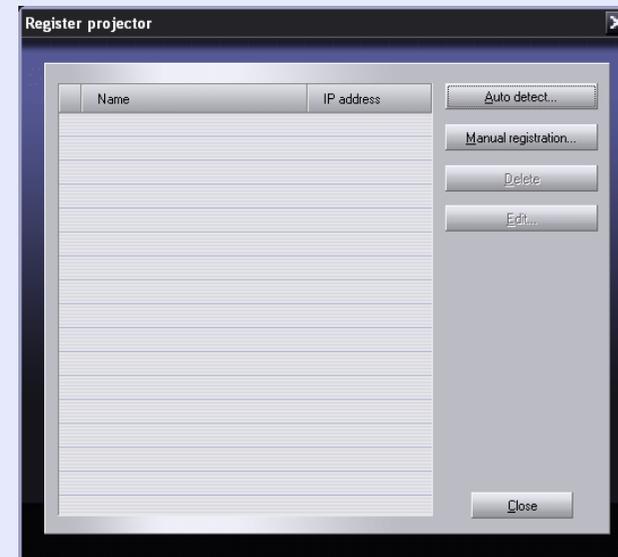
PROCEDURE

- 1 Click [Start] - [Programs] (or [All Programs]) - [EPSON Projector] - [EMP Monitor] in that order to start EMP Monitor.
- 2 Click [Register projector].



Click to add a projector to be monitored

The [Register projector] dialogue box will be displayed.



Use the "Registration using automatic detection" (☞ p.5) or "Registration using IP address (Manual registration)" (☞ p.6) procedure to register projectors.

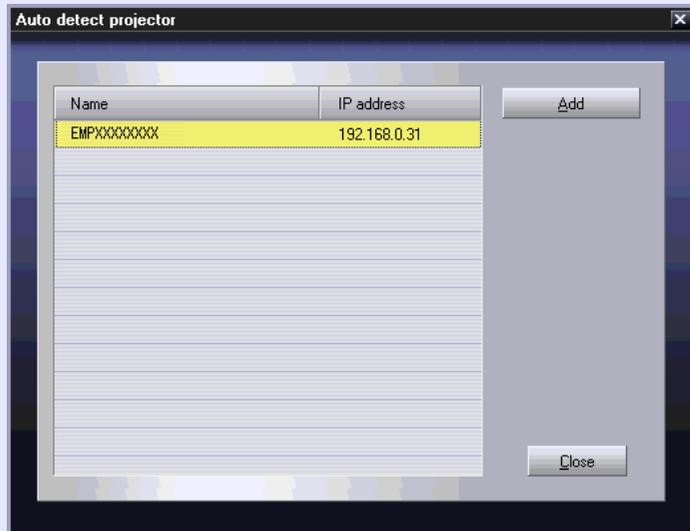
Registration using automatic detection

PROCEDURE

- 1 Click [Auto detect] in the [Register projector] dialogue box.
- 2 Select the projector(s) to be registered, and then click [Add].

You can select several projectors at the same time.

If a projector does not appear in the list, use "Registration using IP address (Manual registration)".  p.6



TIP

- Projectors that have been registered using automatic detection will be re-detected on the basis of projector name and the IP addresses for these projectors will be displayed each time EMP Monitor is started.
- If a password entry screen is displayed, enter the password for the projector's Administrator and then click [OK].
If more than one projector was selected, the password entry screens for each projector will be displayed in succession.

3

Click [Close] to return to the main EMP Monitor window.

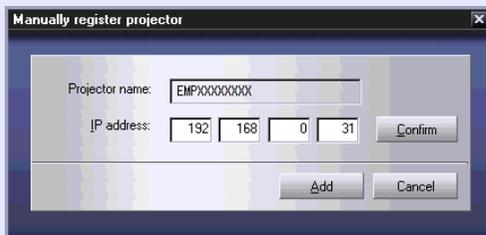
Refer to "Main EMP Monitor window" for details on using the main window.  p.8

Registration using IP address (Manual registration)

PROCEDURE

- 1 Click [Manual registration] in the [Register projector] dialogue box.
- 2 Enter the IP address for the projector to be registered in the [IP address] box, and then click [Confirm].

If a projector with the specified IP address is found on the network, the projector's name will be displayed, so check that it is the target projector. If it is not the target projector, re-enter the IP address.

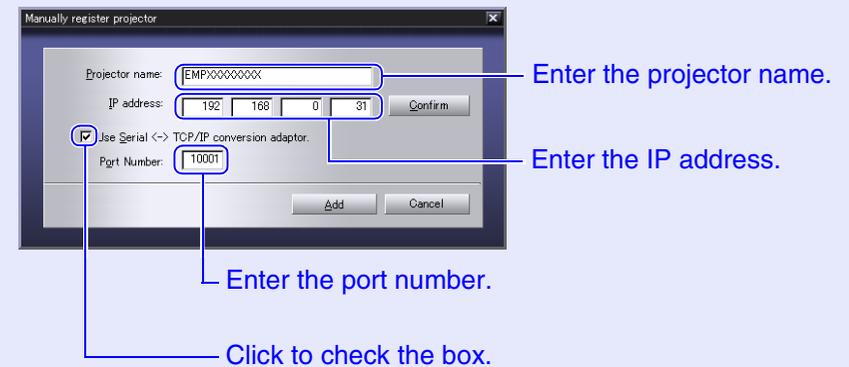


When using EMP-81/61

The following "Manually register projector" window will be displayed.

Complete the form and click [Confirm].

Projector name	Enter the projector name of up to 16 alphanumeric characters, from 0 to 9 and from A(a) to Z(z) and - . You cannot use a numeric-only name.
IP address	Enter the IP address of the projector.
Use Serial↔TCP/IP conversion adaptor.	Check the box.
Port Number	Enter the port number.



- 3 Click [Add].



TIP

If a password entry screen is displayed, enter the password for the projector's Administrator and then click [OK].

Editing the manually-registered projector list

Use the following procedure to change the projector name or IP address for projectors that have been registered manually.

PROCEDURE

1 Select the projector to be edited in the [Register projector] dialogue box, and then click [Edit].

2 If the projector name has changed, simply click [Confirm].
If the IP address has changed, enter the new IP address and then click [Confirm].

Check that the projector name is correct.

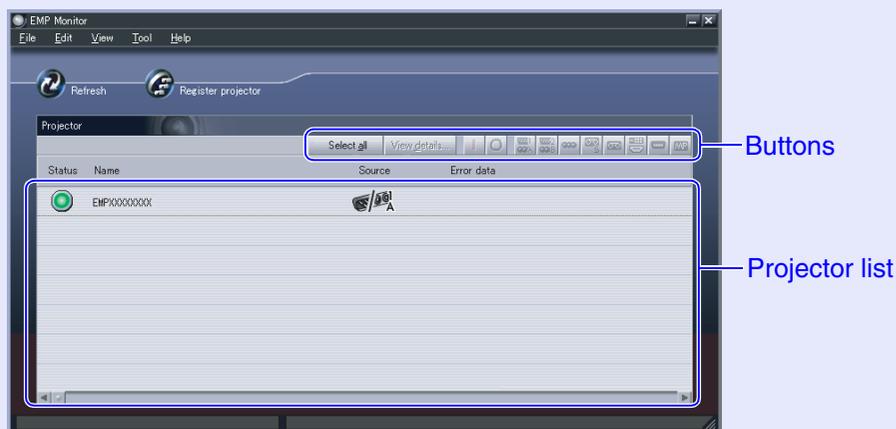
3 Click [Update].

Deleting a projector from the projector list

Select the projector to be deleted from the list in the [Register projector] dialogue box, and then click [Delete].

More than one projector can be selected at the same time.

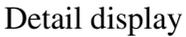
The main window shows the status information for each projector. To carry out our operations for projectors, select the projectors from the projector list and then click the buttons.



To close the window, click the  in the top-right corner.

Button functions

The power can be turned on or off and the input source can be changed for the projectors that are selected from the projector list. The same operations can also be carried out using the commands in the [Tools] menu.

 Detail display	Shows detailed information for the selected projectors.
 Power ON	Turns the projector power on.
 Power OFF	Turns the projector power off.
 PC1, InputA	Switches to the input source connected to the [Computer] port, [Computer1] port or [InputA] port.
 PC2, InputB	Switches to the input source connected to the [Computer2] port or [InputB] port.
 BNC	Switches to the input source connected to the [BNC] port.
 S-Video	Switches to the input source connected to the [S-Video] port.
 Video	Switches to the input source connected to the [Video] port.
 D4	Switches to the input source connected to the [D4] port.
 DVI, HDMI	Switches to the input source connected to the [DVI] port or [HDMI] port.
 EasyMP	Switches to EasyMP or EasyMP.net.



TIP

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.

Understanding the projector list

The projector list uses the following icons to show the projector statuses.

Status: Shows the projector status.

	Power on and normal status
	Power off and normal status
	Power on and abnormal status
	Power off and abnormal status
	Network error (such as not connected to network or power cord not connected)

Name: Shows the projector name.

Source: Shows the selected image source.

	Computer, Computer1 or InputA
	Computer2 or InputB
	S-Video
	Video
	D4 (Digital)
	DVI or HDMI (Digital)

Error information: Uses the following icons to show the status if an error occurs with a projector.

	End of lamp life warning	Replace with a new lamp. Refer to the "Replacing the Lamp" in the "Replacing Consumables" section of the accessory <i>User's Guide</i> .
	Lamp problem	"Reading the Indicators" Refer to the "Troubleshooting" section of the accessory <i>User's Guide</i> and carry out the suggested remedy.
	High internal temperature (overheating)	
	Temperature warning	
	Internal problem	
	Fan problem	
	Temperature sensor problem	

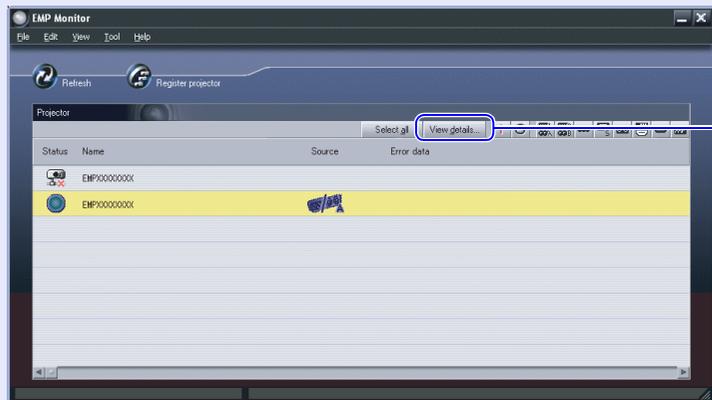
The projector information that is generated when a problem is detected is stored until EMP Monitor is closed. The EMP Monitor displays will not be updated automatically even if the projector status returns to normal. Click [Refresh] in the main window to update the status.

Displaying detailed information

You can check detailed information on the status of individual projectors that are connected.

PROCEDURE

- 1 Select the projector to be checked in the main window.
- 2 Click [View details].



Click to display details.

Detailed status information will be displayed in the [Details] dialogue box.



The details that are displayed may vary slightly depending on the projector connected.

A projector cannot be monitored or controlled using EMP Monitor

Cause	Remedy
Is the projector connected to the network correctly?	Connect the network cable correctly. ☛ "Network Cable Connections" in the accessory <i>User's Guide</i>
Has the projector been set up correctly for connection to the network?	Check the settings for the "Network" configuration menu command. ☛ Accessory <i>User's Guide</i>
Has EMP Monitor been installed to the computer correctly?	Uninstall EMP Monitor and then re-install it.
Have all projectors that are to be monitored and controlled been registered in the projector list?	Register the projector in the projector list. ☛ p.4
Is the projector's "Network Monitoring" or "Standby Mode" configuration menu set to "ON" or "Network ON"?	In order to use EMP Monitor to monitor and control the projector when it is in standby mode, the projector's "Network Monitoring" or "Standby Mode" configuration menu must be set to "ON" or "Network ON". ☛ Accessory <i>User's Guide</i>

When using EMP-81/61, you need to make a setting for the adapter.
Make the setting as shown in the following table.

Menu	Main Item	Sub Item	Setting	
			UDS100	UDS200
Port Properties	Serial Port Settings	Serial Protocol	RS232	
		Speed	9600	
		Character Size	8	
		Parity	None	
		Stopbit	1	
		Flow Control	None	
	Connect Mode Settings	UDP Datagram Mode	Disable	
		UDP Datagram Type	(Blank)	
		Response	Nothing (quiet)	
	Additional Settings	Port Password	Disable	
		Telnet Mode	Disable	
		Inactivity Timeout	Enable	
		Port Password	(Blank)	
Security	Security Settings	Encryption	–	Disable (Not selectable)
		Twofish Key	–	(Blank)

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