Projector Management Application
Version 7.00
Instruction Guide

Contents

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Warning

1 Introduction

1.1 Outline

Using the Projector Management Application allows you to use a single computer to control diagnose and monitor multiple projectors that are connected to the network or via an RS-232C cable.

1.2 System

The following diagram shows a typical network diagram for the Projector Management Application.
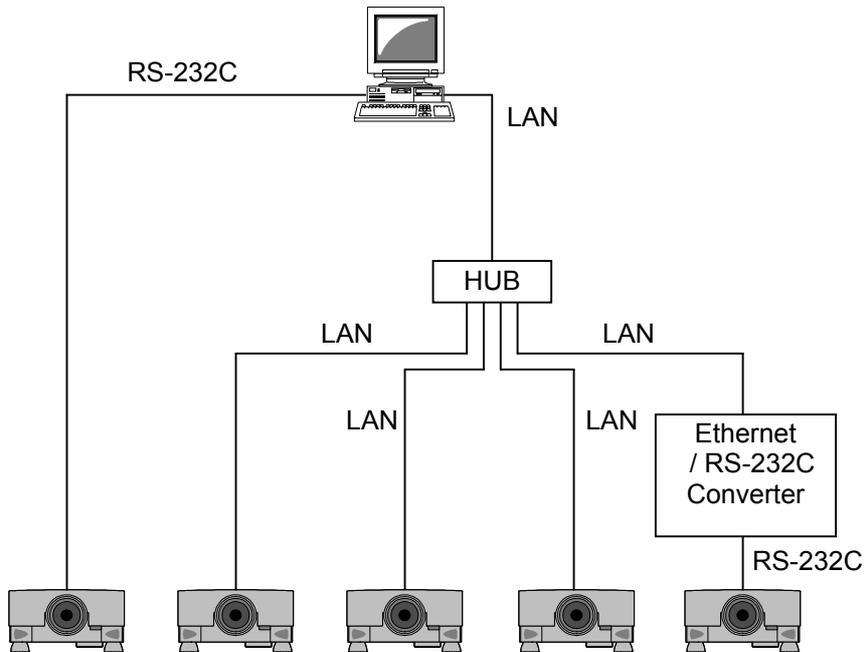
> ➢ Use a UTP cable category 5 or higher for a Local Area Network cable.
> ➢ Use a cross type cable when using a RS-232C serial cable.

2 Installation

2.1   System Requirements

The following are the minimum system requirements of hardware and software to use the Projector Management Application.

(1) Operating System
Windows 2000 Professional
Windows XP Home Edition
Windows XP Professional
Windows Vista Home Basic (32-bit)
Windows Vista Home Premium (32-bit)
Windows Vista Business (32-bit)
Windows Vista Ultimate (32-bit)

(2) CPU
Pentium3 500MHz or higher

(3) Memory
256MB or higher

(4) Hard disc
Minimum 20MB free space for installation

(5) Local Area Network port (RJ-45) or Serial port (RS-232C)

2.2   Projector Management Application Installation

The following describes the installation process for the Projector Management Application:

(1) Double click the file "InstForPJMan.exe".

(2) Select the language (English, Japanese or Chinese [Simplified]) during the installation process. And then click [OK].

(3) Click [Next]
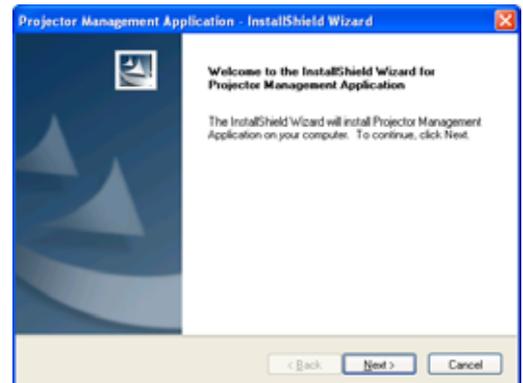
(4) Read "License Agreement" and select "I accept the terms of the license agreement" and click [Next] if you agree the license agreement. Otherwise, click [Cancel] and stop the installation.
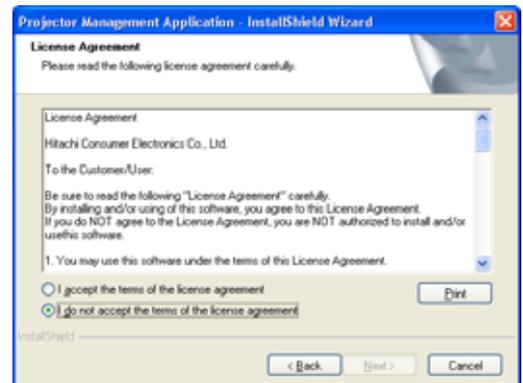
(5) Confirm the program folder, and then click [Next].
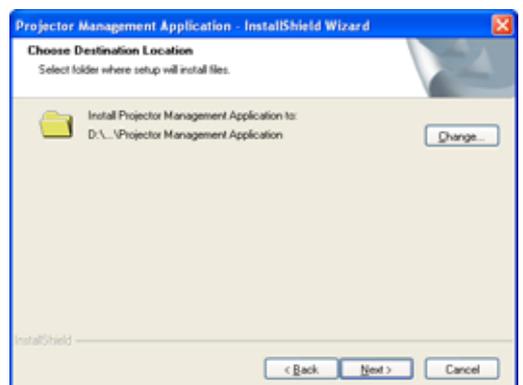
(6) Confirm the install folder and program folder again, and then click [Next].
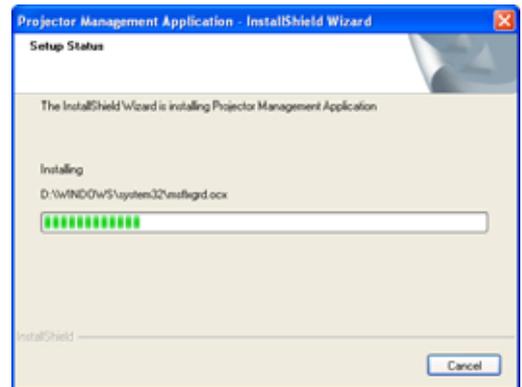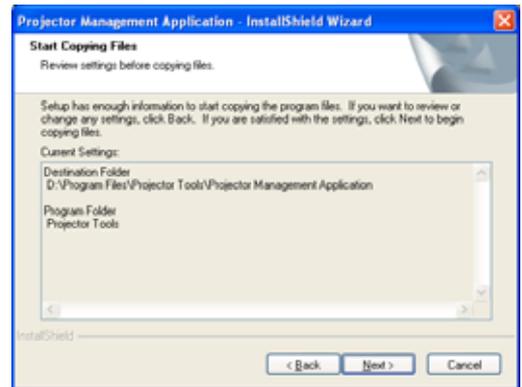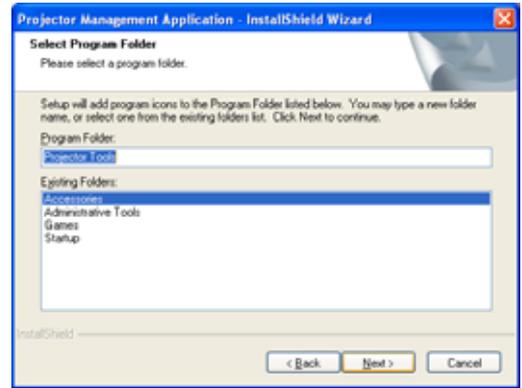
(7) Click [Finish] to complete the Projector Management Application setup wizard.

7
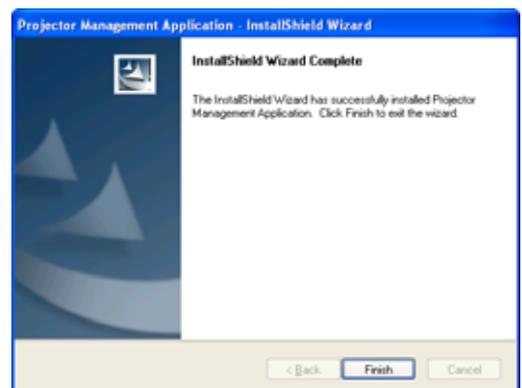
3 Operating Instructions

3.1 Create login accounts

The Projector Management Application requires a login name and password to launch the software. The Projector User Administration Tool helps you to create new user accounts.

3.1.1 How to launch

Double Click "PJUsrEdit.exe" that is located on same folder that you installed Projector Management Application.

It automatically launches the Projector User Administration Tool, if no user accounts are created yet. Also Projector Management Application has a short cut [File] → [User Configuration] to launch Projector User Administration Tool.
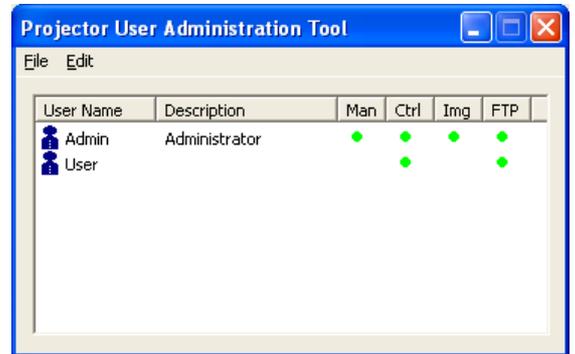
3.1.2 How to exit

Select [File] → [Exit] from the menu or click [x] button of the top right corner. If the changes are made, you will be required to confirm the changes.

3.1.3 Main Window
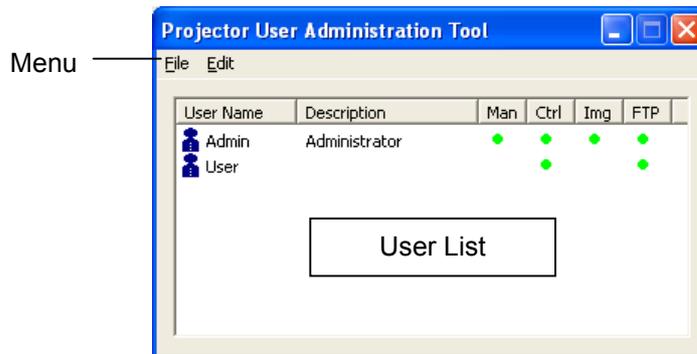
Menu ——

User List

(1) Menu

Menu	Sub Menu	Description
File	Save	Save user data
	Exit	Exit
Edit	Add New User	Create new user
	Change User	Edit user account
	Delete User	Delete user account

(2) User List

The status in the User List is described below.

| Row name	Description
User Name	Username (ID)
Description	Comment
Man	"●" shows that the user can access to the PJMan (Projector Management Application).
Ctrl	"●" shows that the user can access to the PJCtrl (Projector Control Tool).
Img	"●" shows that the user can access to the PJImg (Projector Image Tool).
FTP	"●" shows that the user can access to the PJTransfer (Projector File Transfer Tool).

3.1.4　Creating new user account

Select [Edit] → [Add New User] or right clicks on the user list and select [Add New User]. The following dialog window appears.

User	---	Define user name, up to 20 characters
Description	---	Add comments, up to 50 characters
User Rights	---	Define accessibility. It defines the accessibility for the application software by each user account. The user can use allocation only marked application software.
Select All	---	Select all application software.
UnSel All	---	Unselect all application software.

Press [OK] button after entering user name. The [Change Password] dialog appears. Enter new password and confirm entered password. The password is up to 20 characters and case sensitive.

3.1.5　Edit user account

Double click a username on the user list or select [Edit] → [Change User] after choosing user to open edit dialog. You can edit username, description and accessibility (user rights).

Click the button to change password. Enter old and new password, and re-enter new password to confirm.

3.1.6　Delete user account

Select [Edit] → [Delete User] or right click on the user list and select [Delete User]. The confirmation window will popup.

3.1.7　Save user account

Select [File] → [Save]. The date is stored in the file, "C:\Program Files\Common Files\Projector Tools\config \UserList".

3.2　Start Application

Select Windows [Start] → [Program] → [Projector Tools] → [Projector Management Application]. The login window is appeared.

Enter the username and password that is created by "Projector User Administration Tool". After logged in, a following window is appeared.
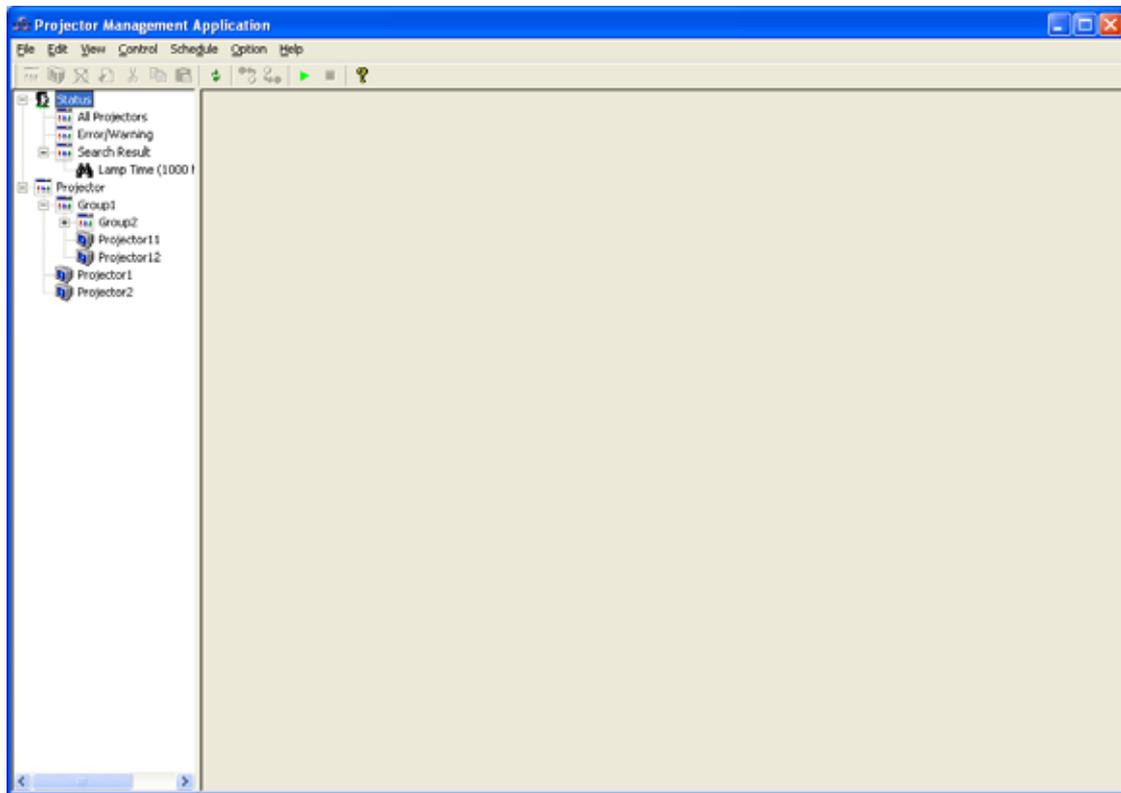
3.3　Quit Application

Select [File] - [Exit] to quit
It is also possible to quit this software by clicking [x] on the top right corner of the window.
When the confirmation dialogue appears, select [Yes] to finish.

3.4   Main Screen

(1) Menu
    Menus and Functions in the Main Screen are shown below.

Menu	Sub Menu	Function
File	Import	Load the projector configuration file.
	Export	Save the projector configuration file.
	User Configuration	Launch Projector User Administration Tool.
	Output Report	Create the report.
	Log	Log on / off.
	Log Report	Create the log data report.
	Exit	Quit this application
Edit	Add Group	Add Group
	Add Projector	Add projectors which user is going to manage
	Discovery	Discover projectors.
	Delete	Delete the projectors or groups that are selected from tree
	Edit	Edit the registered information of the projectors or groups that are chosen from tree
	Cut	Cut the selected projector on the tree view.
	Copy	Copy the selected projector on the tree view.
	Paste	Paste projectors
	Alarm Time Settings	Set / Edit the period of the lamp and filter hours reminder.
View	Refresh	Refresh the status of the projectors or groups that are chosen from the tree
	Search	Edit the search query
	Schedule	Select on / off for the Schedule view
Control	Projector Control	Control the selected group of projector, or the selected projector.
	Power ON	Power ON the projectors which are selected from the tree, or the projectors which belong to a group which is chosen from the tree
	Power OFF	Power OFF the projectors which are selected from the tree, or the projectors which belong to a group which is chosen from the tree
	Display Image	Select e-SHOT image to display
	Execute Command	Control User-defined model
Schedule	Edit	Edit the Schedule settings
	Start	Start Schedule execution
	Stop	Stop Schedule execution
Option	Status Check Interval	Set the Status Check Interval
	Mail Settings	Configure the Mail Settings
	Send Image	Transfer MY IMAGE to projectors
	Edit User-defined Model	Edit User-defined model information
	Access Projector via HTML	Open the internal HTML page with default Internet browser.
Help	About Projector Management Application	Display version of this application

(2) Toolbar
The functions of these icons correspond with the menus as follows:

Icon	Menu
	[Edit]-[Add Group]
	[Edit]-[Add Projector]
	[Edit]-[Delete]
	[Edit]-[Edit]
	[Edit]-[Cut]
	[Edit]-[Copy]
	[Edit]-[Paste]
	[View]-[Refresh]
	[Control]-[Power ON]
	[Control]-[Power OFF]
	[Schedule]-[Start]
	[Schedule]-[Stop]
	[Help]-[About Projector Management Application]

(3) Status Group

PJMan provides two pre-defined projector views, and the flexible views that are based on the search queries.

(a) All Projectors View
It shows the list of all projectors that are defined in the PJMan software.

(b) Error / Warning View

It shows the list of projectors that are ONLY in Error or Warning state.

(c) Search Result View

It shows the multiple lists of projectors based on the given search queries that is described later section.

Projector Name	---	Displays the projector name.
Model	---	Displays the model name.
Connection	---	Displays the connection information.
		(IP address and MAC address / COM port)
MAC Address	---	Displays the MAC address.
Power	---	Displays the power status (ON / STANDBY).
Input	---	Displays the input source.
Status	---	Displays the error status.
Lamp Time	---	Displays the current lamp time.
Filter Time	---	Displays the current filter time.
Total Run Time	---	Displays the total run time.

(d) Projectors Group View
It shows the list of groups and projectors in the selected group.
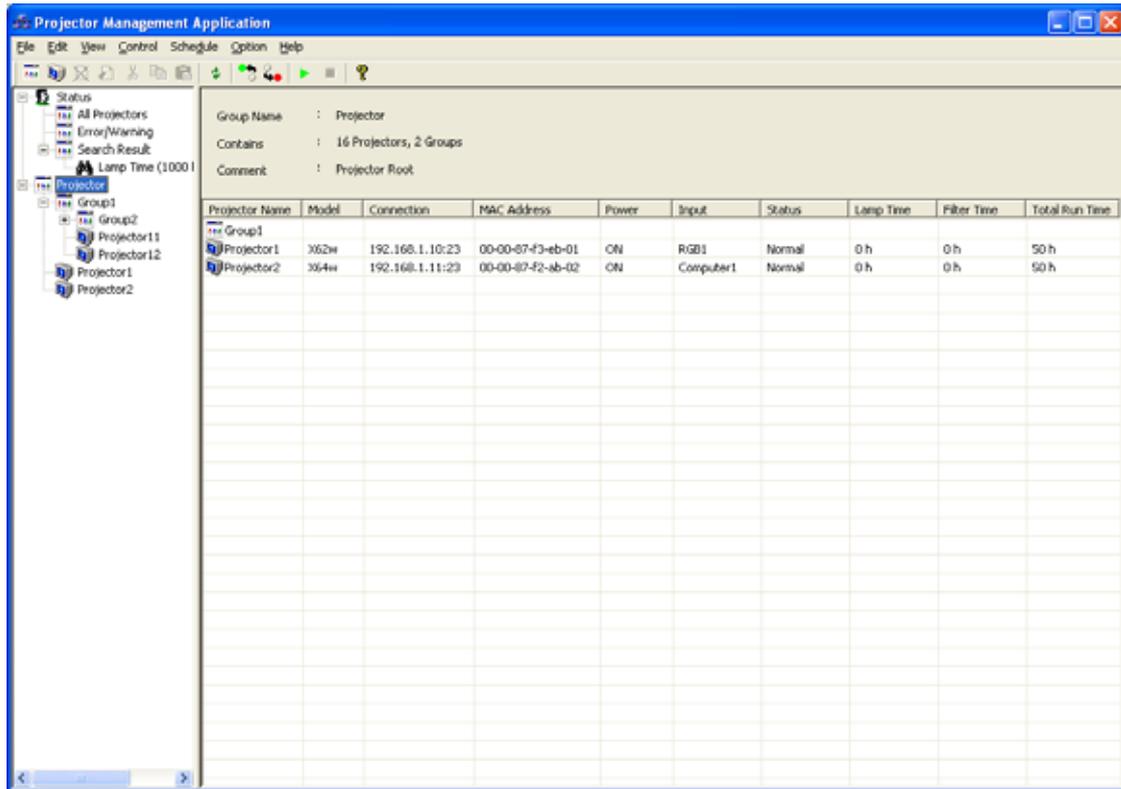
Group Name	---	Displays the group name.
Contains	---	Displays the number of projectors and groups in the group.
Comment	---	Displays the comment.

Projector Name	---	Displays the projector name.
Model	---	Displays the model name.
Connection	---	Displays the connection information. (IP address and MAC address / COM port)
MAC Address	---	Displays the MAC address.
Power	---	Displays the power status (ON / STANDBY).
Input	---	Displays the input source.
Status	---	Displays the error status.
Lamp Time	---	Displays the current lamp time.
Filter Time	---	Displays the current filter time.
Total Run Time	---	Displays the total run time.

(e) Individual Projector View

It shows the status of selected projector.
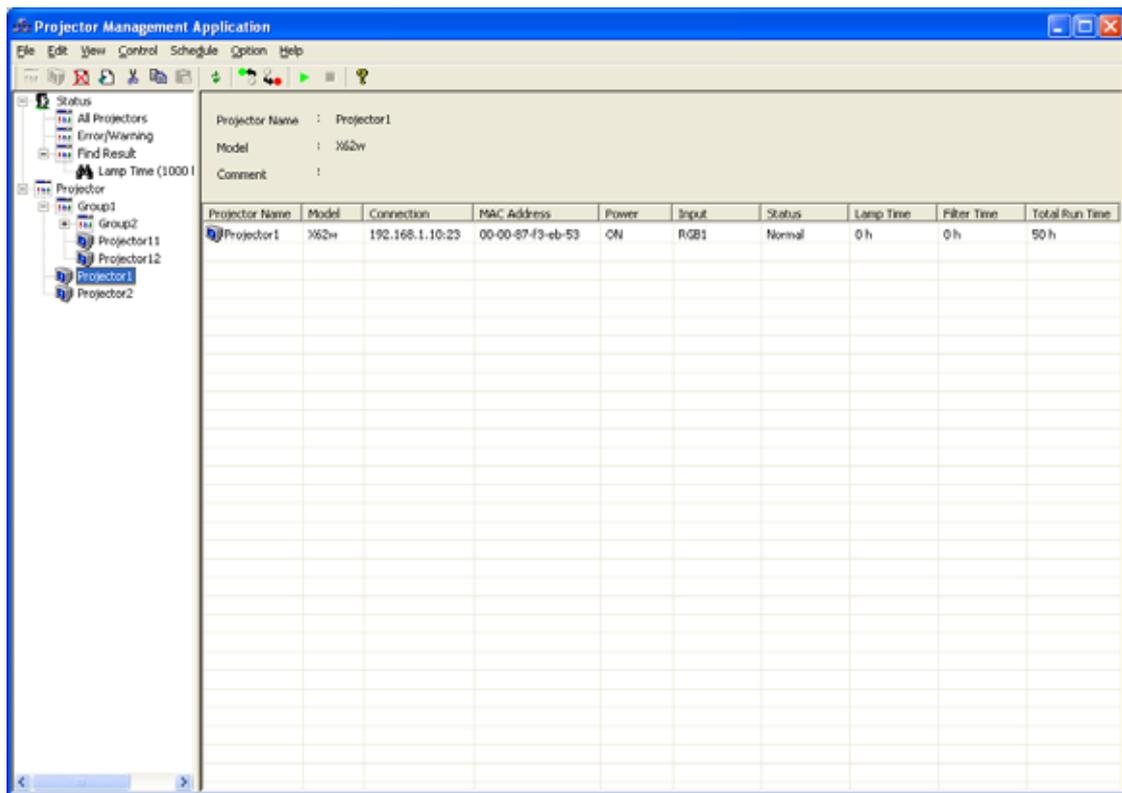
Projector Name	---	Displays the projector name.
Model	---	Displays the model name.
Comment	---	Displays the comment.

Projector Name	---	Displays the projector name.
Model	---	Displays the model name.
Connection	---	Displays the connection information. (IP address and MAC address / COM port)
MAC Address	---	Displays the MAC address.
Power	---	Displays the power status (ON / STANDBY).
Input	---	Displays the input source.
Status	---	Displays the error status.
Lamp Time	---	Displays the current lamp time.
Filter Time	---	Displays the current filter time.
Total Run Time	---	Displays the total run time.

(4) Schedule View

   (a) For a group of projectors
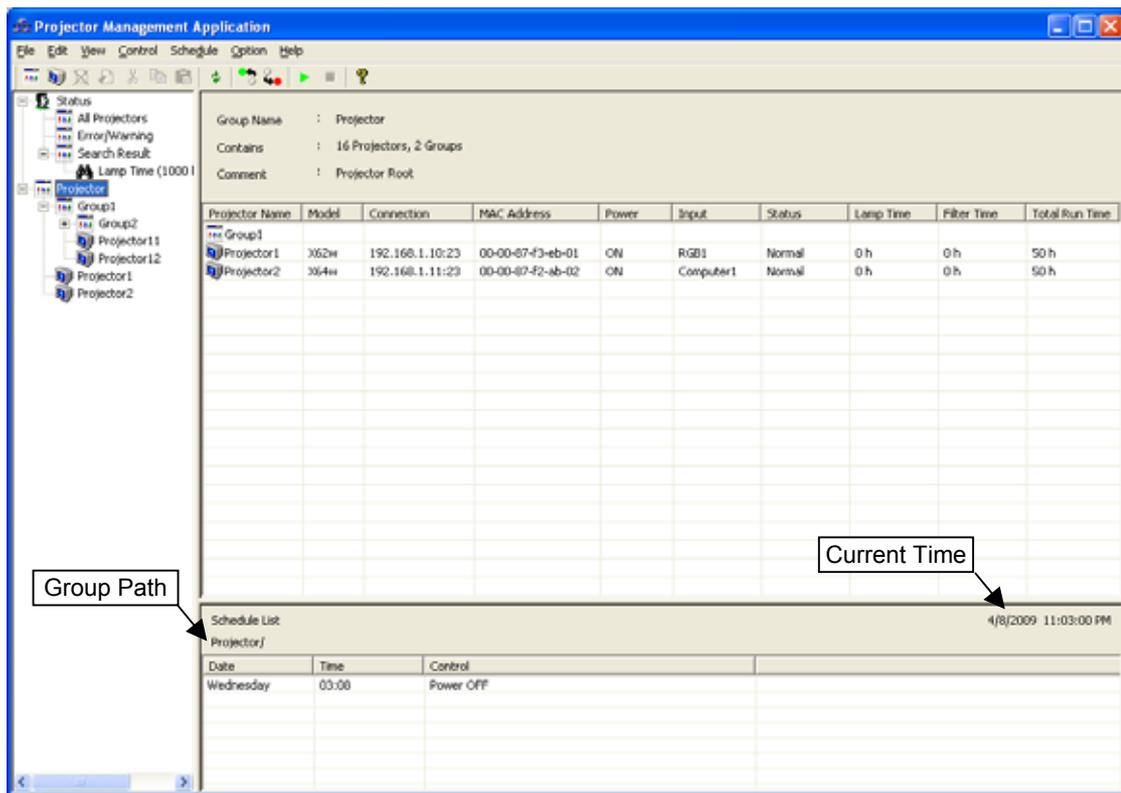
Group Path	---	Shows the full path name of selected group.
Current Time		Displays the current date and time.
Date	---	Displays the activation date.
Time	---	Displays the activation time.
Control	---	Displays the execute command.

(b) For an individual projector
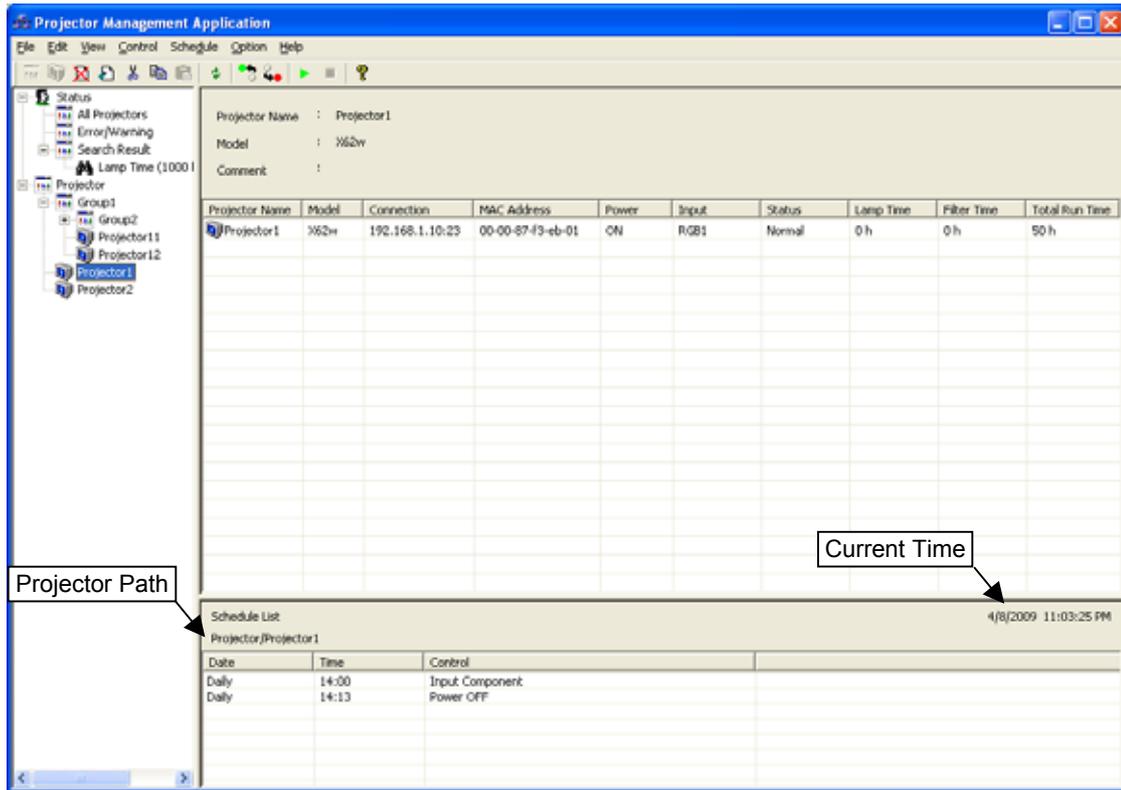
Group Path	---	Show the full path name of selected projector
Current Time		Displays the current date and time.
Date	---	Displays the activation date.
Time	---	Displays the activation time.
Control	---	Displays the execute command.

3.5 Add a group of projectors

You can define a group of projectors into the tree view. Select [Edit] → [Add Group] to add a group.

Group Name	---	Enter a group name up to 256 characters.
Comment	---	Enter a comment up to 256 characters.

Note: The maximum depth of sub group is 5th,

3.6 Add an individual projector

You can define an individual projector into the tree view. Select [Edit] → [Add Projector] to add a projector.
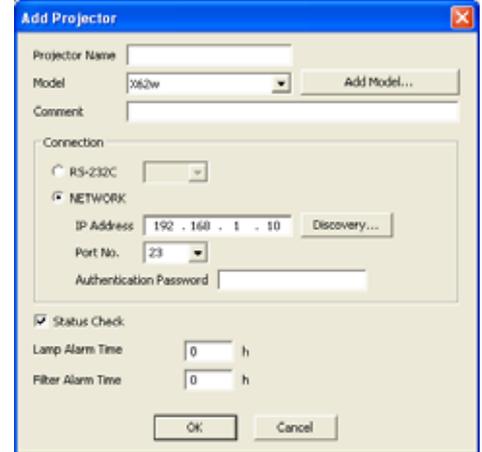
Projector Name	---	Enter a projector name up to 256 characters.
Model	---	Select a model.
Add Model	---	Add new User-defined model. Please see the section 3.20 for details.
Comment	---	Enter a comment up to 256 characters.
Connection	---	Select a connection method.
RS-232C	---	Select when using RS-232C, and set COM Port.
NETWORK	---	Select when using network, and set IP Address and Port No
		➢ Network Port No. of X75, X70 and X80 is 23.
		➢ Network Port No. of X30N, X35N, X62w, X64w, X90w, X95, X95i is 23 or 9715.
		➢ The authentication of commands is available for X30N, X35N, X62w, X64w, X90w, X95 and X95i.
		➢ The authentication of e-SHOT feature is available for X30N and X35N.
		➢ The password for the both authentications above is common.
[Discovery]	---	User can search for the projector (X30N, X35N, X62w, X64w, X90w, X95, X95i) which connected to the network.
Status Check	---	Check the check box if you want to enable the status polling. If it is not checked, the projector is ignored from the status check process and won't show up in the status list. It is registered in PJMan, but it excludes from the current status monitoring list.
Lamp Alarm Time	---	Define the lamp alarm / reminder period. The setting is effective for individual projector. If you don't want to enable this function, please set 0 hours.
Filter Alarm Time	---	Define the filter alarm / reminder period. The setting is effective for individual projector. If you don't want to enable this function, please set 0 hours.

The discovery feature allows you to search projectors on the network automatically. The discovery works when you are selecting a group or root. Select [Edit] → [Discovery] from the menu. The discovery window is as follows. Click start button.
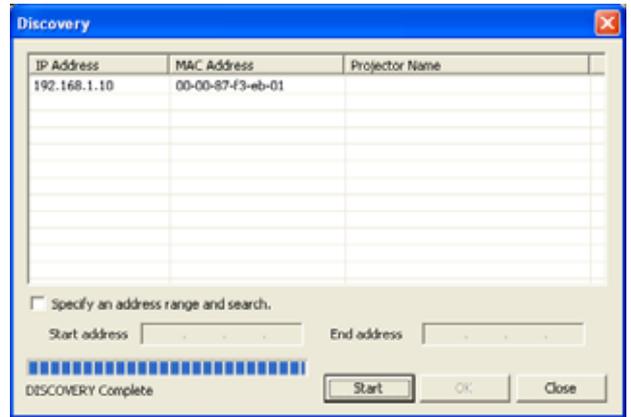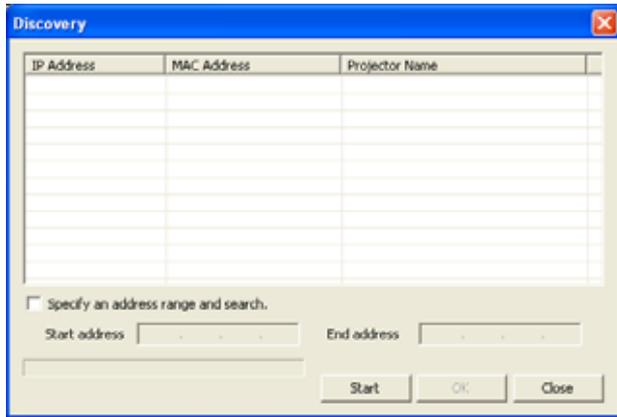
For searching certain IP address range, please specify the IP address range to enter Start and End address. And then check the checkbox "Specify an address range and search" and click [Start] button. It will take several minutes depending upon the number of IP addresses needed to be scanned.
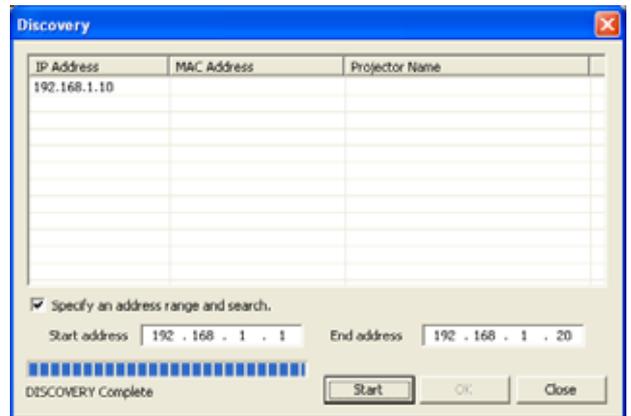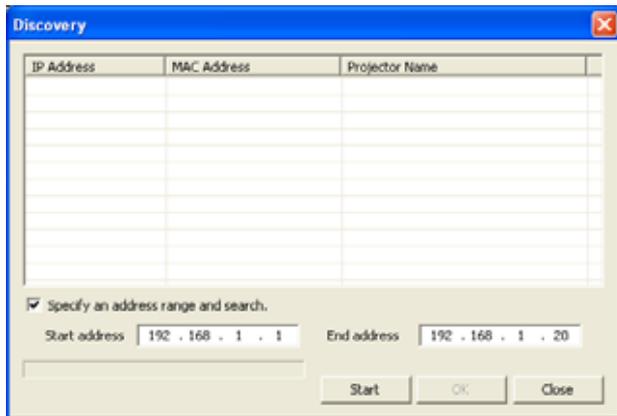
When the discovery finds projectors, the list of projectors is shown and [Register] button becomes available. You can register multiple projectors at the same time.
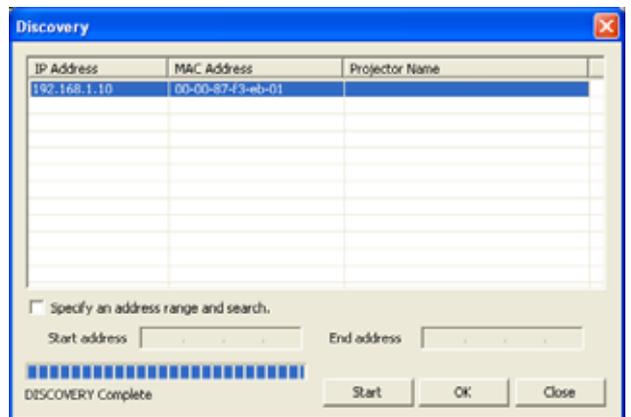
When the [Register] button is clicked, the projector is added under the group or root that you selected. The projector name and model is automatically assigned. Please edit the name and model if you need.

[NOTE]
Windows Security Alert will be shown on your display when the discovery function activates, if Windows Firewall is "On" on Windows XP SP2 or later. Please choose "Unblock" to add the software onto the exception list. Also other firewall security software may block the discovery function. In that case, please add the software to the safe list or disable firewall software when you use discovery function.

3.7   Delete a group or individual projector

You can delete a group of projectors or an individual projector. Click a group or projector in the tree view, select [Edit] → [Delete]. You can also delete a group or projector by clicking delete icon on the toolbar. When the confirmation dialogue appears, select [OK] to delete.

3.8   Change a group or individual projector settings

You can change a group or individual projectors settings. Click a group on the tree view, select [Edit] → [Edit]. Or Click a projector, select [Edit] → [Edit]. You can also change settings by clicking edit icon on the toolbar.
   → The 'Edit Group' or 'Edit Projector' screen is shown below. Content to be set is same as 'Add Group' or 'Add Projector' screen.
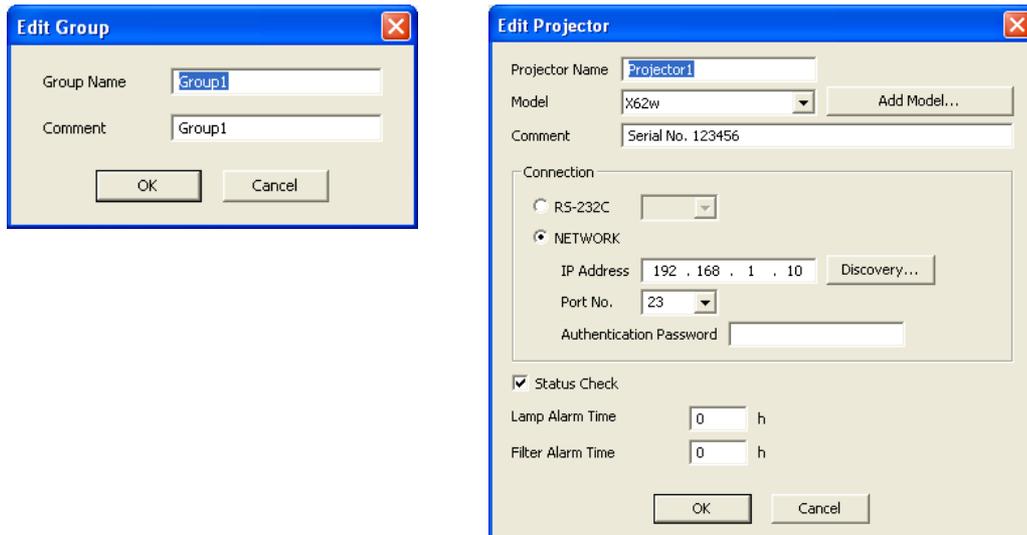
3.9   Copy

You can copy the projector from the tree view. Select [Edit] → [Copy] on the menu after choosing projectors on the tree view. You can paste copied projectors to select [Edit] → [Copy] from the menu or click "Paste" button on the tool bar.
   Also you can copy projectors by drag and drop during holding down Ctrl key. Note that you cannot copy projectors if there is same name projector on the destination.

3.10   Move

You can move the projectors from tree view. Select [Edit] → [Cut] on the menu or click "Cut" on the tool bar after choosing projectors on the tree view. You can paste copied projectors to select [Edit] → [Copy] from the menu or click "Paste" button on the tool bar.
   Also you can drag and drop projectors onto the other projector group.

3.11 Apply the alarm / reminder setting to the projectors in the group

You can set the alarm / reminder setting to the multiple projectors in the group at the same time. Select the group that you want to set the alarm / reminder, and then go to [Edit] → [Alarm Time Setting] from the menu. The Alarm Time Settings dialogue will appear. Check the checkbox and enter the hours that the alarm / reminder will be activated.

If you apply new setting to the group, the individual alarm / reminder setting on each projector will be overwritten.

3.12 Update Status

Select [View] → [Refresh] to update status of a group or individual projector. This function only works when the status tab is displayed.

3.13 Search queries for Status view

In order to make the search queries for Status view, Go to [View] → [Search] from the menu. The Search dialogue will appear.
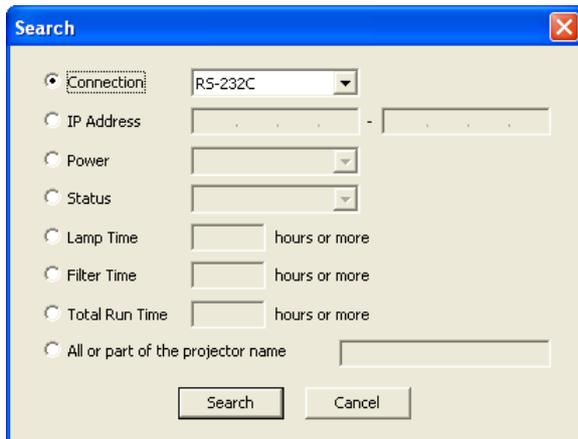
Connection	--- Search by connection type
IP Address	--- Search by IP address range
Power	--- Search by projector power status
Status	--- Search by error / warning status
Lamp Time	--- Search by lamp hours
Filter Time	--- Search by filter hours
Total Run Time	--- Search by total operation hours
All or part of the projector name	--- Search by projector name

The search group will be added in Search Result tree, when you press [Search] button with given query. The list of projectors that are matched with your search query will be shown in the Status View.

3.14   Control the projector

Select [Control] → [Projector Control] to control the projector. The controllable functions will be depending upon what group or projector is selected.

(a) In case of All Projectors selected
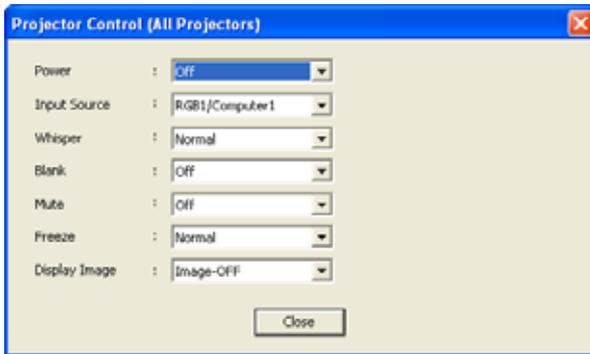
Power   ---   Turn on / off power for a group of projectors.
Input Source   ---   Change input source.
Whisper   ---   Change whisper mode.
Blank   ---   Change blank on / off.
Mute   ---   Change sound mute status.
Freeze   ---   Change freeze status.
Display Image   ---   Select e-SHOT / MY IMAGE to display.

(b) In case of Error/ Warning selected
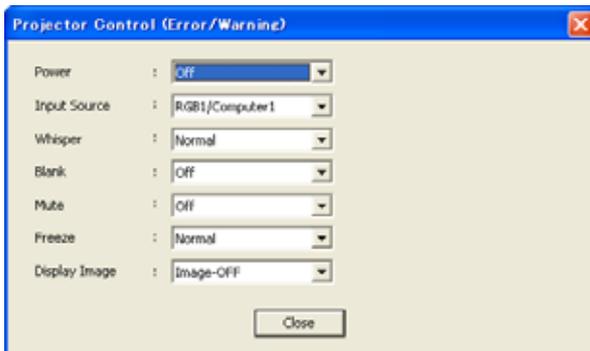
Power   ---   Turn on / off power for a group of projectors.
Input Source   ---   Change input source.
Whisper   ---   Change whisper mode.
Blank   ---   Change blank on / off.
Mute   ---   Change sound mute status.
Freeze   ---   Change freeze status.
Display Image   ---   Select e-SHOT / MY IMAGE to display.

(c) In case of Search Result item selected

Power   ---   Turn on / off power for a group of projectors.
Input Source   ---   Change input source.
Whisper   ---   Change whisper mode.
Blank   ---   Change blank on / off.
Mute   ---   Change sound mute status.
Freeze   ---   Change freeze status.
Display Image   ---   Select e-SHOT / MY IMAGE to display.

(d) In case of a group selected
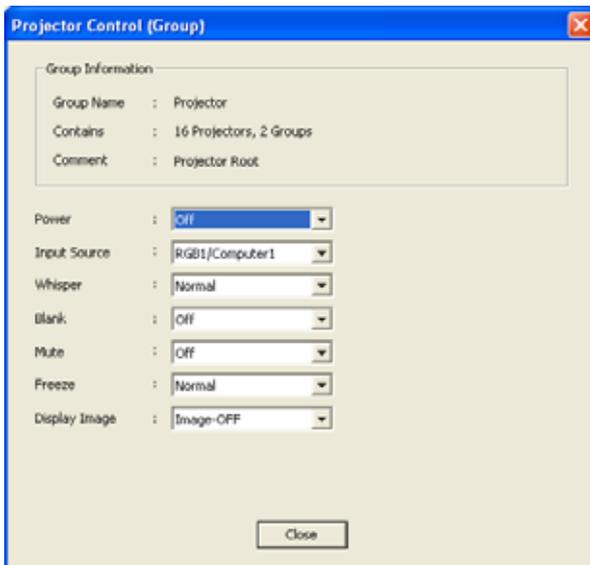
Group Information
   Group Name   ---   Displays the group name.
   Contains   ---   Displays the number of projectors and groups in the group.
   Comment   ---   Displays the comment.

Power   ---   Turn on / off power for a group of projectors.
Input Source   ---   Change input source.
Whisper   ---   Change whisper mode.
Blank   ---   Change blank on / off.
Mute   ---   Change sound mute status.
Freeze   ---   Change freeze status.
Display Image   ---   Select e-SHOT / MY IMAGE to display.

(e) In case of a projector selected

Projector Information
    Projector Name   ---   Displays the projector name.
    Model   ---   Displays the model name.
    Comment   ---   Displays the comment.

Power   ---   Turn on / off power for a group of projectors.
Input Source   ---   Change input source.
Aspect   Change aspect ratio.
Whisper   ---   Change whisper mode.
Mirror   ---   Change mirror status.
Blank   ---   Change blank on / off.
Mute   ---   Change sound mute status.
Freeze   ---   Change freeze status.
Display Image   ---   Select e-SHOT / MY IMAGE to display.
Brightness   ---   Change brightness.
      [-]: Decrease value.
      [+]: Increase value.
Contrast   ---   Change contrast.
      [-]: Decrease value.
      [+]: Increase value.
Sharpness   ---   Change sharpness.
      [-]: Decrease value.
      [+]: Increase value.
Color   ---   Change color.
      [-]: Decrease value.
      [+]: Increase value.
Tint   ---   Change tint.
      [-]: Decrease value.
      [+]: Increase value.
Auto Adjust   ---   Execute auto image adjustment.
Lamp Time Reset   ---   Reset the lamp time.
Filter Time Reset   ---   Reset the filter time.
Advanced Control   ---   Open the projector Advance Control Menu.
      ('Advanced Control' Screen varies depending on the projector model.)

The details for each Advance Control screen (for the appropriate projector model types) are described below.

X70 / X80

[STATUS] Tab

Function	General Description
Power Status	Display the Power Status. Off / On / Cool down
Input Status	Display the Input source status. M1-D / RGB / BNC / Video / S-Video / Component

Error Status	Display the Error status.
	    Normal / Cover Error / Fan Error / Lamp Error / Temp Error /
	    Air Flow Error / Lamp Time Error / Cold Error / Filter Error / Other Error

Blank On /Off	Display the Blank status. Off / On
Mute	Display the Mute status. Off / On
Freeze	Display the Freeze status. Normal / Freeze
Lamp Time	Display the Lamp Time.
Filter Time	Display the Filter Time.
Reset	Initialize the selected Function. Lamp Time / Filter Time [Execute]: After the confirmation message, the selected Function will be initialized.

[MAIN] Tab

Function	General Description
Brightness	Setting the Brightness [-]: Decrease the Brightness value. [+]: Increase the Brightness value.
Contrast	Setting the Contrast [-]: Decrease the Contrast value. [+]: Increase the Contrast value.
Aspect	Setting the Aspect 4:3 / 16:9 / Small / Normal
Whisper	Setting the Whisper Mode Normal / Whisper
Mirror	Setting the Mirror display Normal / H Inverse / V Inverse / H&V Inverse

Language	Setting the Language
	    English / French / German / Spanish / Italian / Norwegian / Dutch / Portuguese /
	    Japanese / Simplified Chinese / Korean / Swedish / Russian / Finnish / Polish

Reset	Initialize the selected Function. Brightness / Contrast [Execute]: After the confirmation message, the selected Function will be initialized.

[PICTURE-1] Tab

Function	General Description
Gamma	Setting the Gamma. Normal / Cinema / Dynamic / Custom
Custom Gamma	Setting the Custom Gamma. [-]: Decrease the Custom Gamma value. [+]: Increase the Custom Gamma value.
Color Temp	Setting the Color Temp. Low / Middle / High / User
Custom User R	Setting the Color Temp (Red). 100 / 90 / 80 / 70 / 60 / 50
Custom User G	Setting the Color Temp (Green) 100 / 90 / 80 / 70 / 60 / 50
Custom User B	Setting the Color Temp (Blue) 100 / 90 / 80 / 70 / 60 / 50
Color Bal R	Setting the Color Balance (Red) [-]: Decrease the red value. [+]: Increase the red value.

Color Bal G	Setting the Color Balance (Green) [-]: Decrease the green value. [+]: Increase the green value.
Color Bal B	Setting the Color Balance (Blue) [-]: Decrease the blue value. [+]: Increase the blue value.
Sharpness	Setting the sharpness of the picture. [-]: Decrease the color density value. [+]: Increase the color density value.
Color	Setting the color density. [-]: Decrease the color density value. [+]: Increase the color density value.
Tint	Setting the tint. [-]: Decrease the tint value. [+]: Increase the tint value.
My Memory	Load / Save the My Memory. Load1 / Load2 / Load3 / Load4 / Save1 / Save2 / Save3 / Save4 [Execute]: Load / Save the selected Function.
Reset	Initialize the selected Function. Color Bal R / Color Bal G / Color Bal B / Sharpness / Color / Tint [Execute]: After the confirmation message, the selected Function will be initialized.

[PICTURE-2] Tab

Function	General Description
Position	Setting the display position. [▲]: Increase the vertical position. [▼]: Decrease the vertical position. [◀]: Increase the horizontal position. [▶]: Decrease the horizontal position.
H Phase	Setting the clock phase. [-]: Decrease the clock phase value. [+]: Increase the clock phase value.
H Size	Setting the horizontal size. [-]: Decrease the horizontal size value. [+]: Increase the horizontal size value.
Over Scan	Setting the Over Scan. [-]: Decrease the Over scan value. [+]: Increase the Over scan value.
Reset	Initialize the selected Function. V Position / H Position / H Size / Over Scan [Execute]: After the confirmation message, the selected Function will be initialized.

[INPUT] Tab

Function	General Description
Color Space	Setting the Color Space. Auto / RGB / SMPTE240 / REC709 / REC601
Component	Setting the Component. Component / Scart RGB
Video Format	Setting the Video Format Auto / NTSC / PAL / SECAM / NTSC4.43 / M-PAL / N-PAL
3D-YCS	Setting the 3D-YCS On / Off
Video NR	Setting the Video NR. Low / Middle / High
S2-Aspect	Setting the S2-Aspect Off / On
P.IN P. Input	Setting the P.IN P. Video / S-Video
P.IN P. Position	Setting the P.IN P. position. Upper Left / Upper Right / Bottom Left / Bottom Right
P.IN P. Audio	Setting the P.IN P. Audio. RGB / Video

P.IN P. Size	Setting P.IN P. Size 　Off / Large / Small
Power Up Input	Setting which source will be input when power turned on. 　Lash CH / M1-D / RGB / BNC / Video / S-Video / Component

[AUTO] Tab

Function	General Description
Auto Adjust	Execute Auto Adjust.
Auto Power Off	Setting Auto Power Off. [-]: Decrease Auto Power Off time. [+]: Increase Auto Power Off time.
Auto Power On	Setting Auto Power On. 　Off / On
Auto Search	Setting Auto Search. 　Off / On

[SCREEN] Tab

Function	General Description
Blank	Setting the Blank Color. 　Blue / White / Black / MyScreen / Original
Startup	Setting the Startup screen. 　Original / Off / MyScreen
MyScreen Size	Setting MyScreen size. 　Full / x1
MyScreen Lock	Setting MyScreen Lock. 　Off / On
Menu Position	Setting the Menu Position [▲]: Increase the vertical menu position. [▼]: Decrease the vertical menu position. [◄]: Decrease the horizontal menu position. [►]: Increase the horizontal menu position.
Message	Setting Message 　Off / On
Reset	Initialize the selected Function. 　Menu Position V / Menu Position H [Execute]: After the confirmation message, the selected Function will be initialized.

[OPTION] Tab

Function	General Description
Volume	Setting the Volume. [-]: Decrease the Volume. [+]: Increase the Volume.
Speaker	Setting the speaker. 　Off / On
IR Remote	Setting the IR Remote. 　Front (Off / On) 　Rear (Off / On) 　Top (Off / On)
IR Remote ID	Setting the IR Remote ID. 　All / 1 / 2 / 3
Auto Adjust Enable	Setting the Auto Adjust Enable. 　Disable / Enable
Lens Type	Setting the Lens Type. 　Auto / 1 / 2 / 3 / 4 / 5
Lens Lock	Setting the Lens Lock 　Off / On

[OTHER] Tab

Function	General Description
Power	Controlling the Power. 　Off / On
Input Source	Setting the Input Source. 　M1-D / RGB / BNC / Video / S-Video / Component
Blank On / Off	Setting Blank. 　Off / On
Mute	Setting Mute. 　Off / On
Freeze	Setting Freeze. 　Normal / Freeze
Magnify	Setting Magnify [-]: Decrease the Magnify value. [+]: Increase the Magnify value.
Keystone V	Setting the Vertical Keystone. [-]: Decrease the V Keystone value. [+]: Increase the V Keystone value.
Keystone H	Setting the Horizontal Keystone. [-]: Decrease the H Keystone value. [+]: Increase the H Keystone value.
Reset	Initialize the selected Function. 　Keystone V / Keystone H [Execute]: After the confirmation message, the selected Function will be initialized.

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[STATUS] Tab

Function	General Description
Power Status	Display the Power Status. Off / On/ Cool down
Input Source	Display the Input source status. DVI / RGB1 / RGB2 / Video / S-Video / Component

Error Status	Display the Error status.
	   Normal / Cover Error / Fan Error / Lamp Error / Temp Error / Air Flow Error
	   / Lamp Time Error / Cold Error / Filter Error / Other Error

Blank On / Off	Display the Blank status. Off / On
Mute	Display the Mute status. Off / On
Freeze	Display the Freeze status. Normal / Freeze
Lamp Time	Display the Lamp Time.
Filter Time	Display the Filter Time.
Reset	Initialize the selected Function. Lamp Time / Filter Time [Execute]: After the confirmation message, the selected Function will be initialized.

[PICTURE] Tab

Function	General Description
Brightness	Setting the Brightness [-]: Decrease the Brightness value. [+]: Increase the Brightness value.
Contrast	Setting the Contrast [-]: Decrease the Contrast value. [+]: Increase the Contrast value.
Gamma	Setting the Gamma. #1-Custom / #2-Custom / #3-Custom / #1-Default / #2-Default / #3-Default
Color Temp	Setting the Color Temp. Low / Middle / High / Custom
Color	Setting the color density. [-]: Decrease the color density value. [+]: Increase the color density value
Tint	Setting the Tint. [-]: Decrease the tint value. [+]: Increase the tint value.
Sharpness	Setting the sharpness of the picture. [-]: Decrease the color density value. [+]: Increase the color density value.
My Memory	Load/Save the My Memory. Load1 / Load2 / Load3 / Load4 / Save1 / Save2 / Save3 / Save4 [Execute]: Load/Save the selected Function.
Reset	Initialize the selected Function Brightness / Contrast / Color / Tint / Sharpness [Execute]: After the confirmation message, the selected Function will be initialized.

Gamma -Custom-

Function	General Description
User Gamma Pattern	Setting the test pattern. Off / 9steps Gray Scale / 15steps Gray Scale / Ramp
User Gamma Point 1	Setting the User Gamma Point 1. [-]: Decrease the User Gamma Point 1 value. [+]: Increase the User Gamma Point 1 value.
User Gamma Point 2	Setting the User Gamma Point 2. [-]: Decrease the User Gamma Point 2 value. [+]: Increase the User Gamma Point 2 value.
User Gamma Point 3	Setting the User Gamma Point 3. [-]: Decrease the User Gamma Point 3 value. [+]: Increase the User Gamma Point 3 value.

Function	General Description
User Gamma Point 4	Setting the User Gamma Point 4. [-]: Decrease the User Gamma Point 4 value. [+]: Increase the User Gamma Point 4 value.
User Gamma Point 5	Setting the User Gamma Point 5. [-]: Decrease the User Gamma Point 5 value. [+]: Increase the User Gamma Point 5 value.
User Gamma Point 6	Setting the User Gamma Point 6. [-]: Decrease the User Gamma Point 6 value. [+]: Increase the User Gamma Point 6 value.
User Gamma Point 7	Setting the User Gamma Point 7. [-]: Decrease the User Gamma Point 7 value. [+]: Increase the User Gamma Point 7 value.
User Gamma Point 8	Setting the User Gamma Point 8. [-]: Decrease the User Gamma Point 8 value. [+]: Increase the User Gamma Point 8 value.

Color Temp -Custom-

Function	General Description
User Gamma Pattern	Setting the test pattern. Off / 9steps Gray Scale / 15steps Gray Scale / Ramp
Color Temp Gain R	Setting Color Temp Gain R. [-]: Decrease the Color Temp Gain R value. [+]: Increase the Color Temp Gain R value.
Color Temp Gain G	Setting Color Temp Gain G. [-]: Decrease the Color Temp Gain G value. [+]: Increase the Color Temp Gain G value
Color Temp Gain B	Setting Color Temp Gain B. [-]: Decrease the Color Temp Gain B value. [+]: Increase the Color Temp Gain B value
Color Temp Offset R	Setting Color Temp Offset R. [-]: Decrease the Color Temp Offset R value. [+]: Increase the Color Temp Offset R value
Color Temp Offset G	Setting Color Temp Offset G. [-]: Decrease the Color Temp Offset G value. [+]: Increase the Color Temp Offset G value
Color Temp Offset B	Setting Color Temp Offset B. [-]: Decrease the Color Temp Offset B value. [+]: Increase the Color Temp Offset B value

[IMAGE] Tab

Function	General Description
Aspect	Setting the Aspect. 4:3 / 16:9 / Small / Normal
Over Scan	Setting the Over Scan [-]: Decrease the Over scan value. [+]: Increase the Over scan value.
Position	Setting the display position. [▲]: Increase the vertical position. [▼]: Decrease the vertical position. [◀]: Increase the horizontal position. [▶]: Decrease the horizontal position.
H Phase	Setting the clock phase. [-]: Decrease the clock phase value. [+]: Increase the clock phase value.
H Size	Setting the horizontal size. [-]: Decrease the horizontal size value. [+]: Increase the horizontal size value.
Auto Adjust	Execute Auto Adjust.
Reset	Initialize the selected Function. Over Scan / V Position / H Position / H Size [Execute]: After the confirmation message, the selected Function will be initialized.

[VIDEO QLTY.] Tab

Function	General Description
Progressive	Setting the Progressive Off / TV / FILM
3D-YCS	Setting the 3D-YCS Off / Normal / Still Image
Video NR	Setting the Video NR. Low / Middle / High

[INPUT] Tab

Function	General Description
Color Space	Setting the Color space. Auto / RGB / SMPTE240 / REC709 / REC601
Component	Setting the Component. Component / Scart RGB
Video Format	Setting the Video Format. Auto / NTSC / PAL / SECAM / NTSC4.43 / M-PAL / N-PAL
DVI	Setting the DVI Signal Type. DVD / Computer

[SETUP] Tab

Function	General Description
Whisper	Setting the Whisper. Normal / Whisper
Mirror	Setting the Mirror display. Normal / H Inverse / V Inverse / H&V Inverse
Volume	Setting the Volume. [-]: Decrease the Volume. [+]: Increase the Volume.
Stereo	Setting the Stereo. Mono / Stereo

IR Remote	Setting the IR Remote.
	    Front (Off / On)
	    Top (Off / On)

[SCREEN] Tab

Function	General Description

Language	Setting the Language.
	    English / French / German / Spanish / Italian / Norwegian / Dutch / Portuguese /
	    Japanese / Simplified Chinese / Korean / Swedish / Russian / Finnish / Polish /
	    Turkish / Traditional Chinese

Menu Position	Setting the Menu Position. [▲]: Increase the vertical menu position. [▼]: Decrease the vertical menu position. [◀]: Decrease the horizontal menu position. [▶]: Increase the horizontal menu position.
OSD Bright.	Setting the OSD Brightness. [-]: Decrease the OSD Brightness. [+]: Increase the OSD Brightness.
Blank	Setting the Blank color. Blue / White / Black / MyScreen / Original
Startup	Setting the Startup screen. Original / Off / MyScreen
MyScreen Lock	Setting MyScreen Lock. Off / On
Message	Setting Message. Off / On
Reset	Initialize the selected Function. Menu Position V / Menu Position H [Execute]: After the confirmation message, the selected Function will be initialized.

[OPTION] Tab

Function	General Description
One Touch	Setting the One Touch. 　Auto Keystone V Off / Auto Keystone V On
Auto Search	Setting Auto Search. 　Off / On
Auto Power Off	Setting Auto Power Off [-]: Decrease the Auto Power off time. [+]: Increase the Auto Power off time.
Auto Adjust Enable	Setting Auto Adjust Enable 　Disable / Enable

[OTHER] Tab

Function	General Description
Power	Controlling the Power. 　Off / On
Input Source	Setting the Input Source. 　DVI / RGB1 / RGB2 / Video / S-Video / Component
Mode	Setting the Picture Mode. 　Normal / Cinema / Dynamic / Custom ➢ Custom is displayed only. It cannot be set.
Blank On / Off	Setting Blank. 　Off / On
Mute	Setting Mute. 　Off / On
Freeze	Setting Freeze. 　Normal / Freeze
Magnify	Setting Magnify [-]: Decrease the Magnify value. [+]: Increase the Magnify value.
Keystone V	Setting the Vertical Keystone. [-]: Decrease the V Keystone value. [+]: Increase the V Keystone value.
Keystone H	Setting the Horizontal Keystone. [-]: Decrease the H Keystone value. [+]: Increase the H Keystone value.
Auto Keystone V	Execute Auto Keystone V.
Reset	Initialize the selected Function. 　Keystone V / Keystone H [Execute]: After the confirmation message, the selected Function will be initialized.

X62w / X64w / X90w / X95 / X95i

[STATUS] Tab

Function	General Description
Power Status	Display the Power Status. Off / On / Cool down

Input Source	Display the Input source status.
	X62w
	  RGB1 / RGB2 / Video / S-Video / Component / MIU
	X64w
	  Computer1 / Computer2 / Video / S-Video / Component / MIU
	X90w
	  RGB1 / RGB2 / M1-D / Video / S-Video / Component / MIU
	X95 / X95i
	  RGB1 / RGB2 / HDMI / Video / S-Video / Component / MIU

Error Status	Display the Error status.
	  Normal / Cover Error / Fan Error / Lamp Error / Temp Error / Air Flow Error
	  / Lamp Time Error / Cold Error / Filter Error / Lens Door Error / Other Error

Blank On / Off	Display the Blank status. Off / On
Mute	Display the Mute status. Off / On
Freeze	Display the Freeze status. Normal / Freeze
Lamp Time	Display the Lamp Time.
Filter Time	Display the Filter Time.
Reset	Initialize the selected Function. Lamp Time / Filter Time [Execute]: After the confirmation message, the selected Function will be initialized.

[PICTURE] Tab

Function	General Description
Brightness	Setting the Brightness [-]: Decrease the Brightness value. [+]: Increase the Brightness value.
Contrast	Setting the Contrast [-]: Decrease the Contrast value. [+]: Increase the Contrast value.

Gamma	Setting the Gamma.
	X62w / X90w
	  #1-Custom / #2-Custom / #3-Custom / #4-Custom / #5-Custom / #1-Default /
	  #2-Default / #3-Default / #4-Default / #5-Default
	X64w / X95 / X95i
	  #1-Custom / #2-Custom / #3-Custom / #4-Custom / #5-Custom / #6-Custom /
	  #1-Default / #2-Default / #3-Default / #4-Default / #5-Default / #6-Default

Color Temp	Setting the Color Temp.
	X62w / X90w
	  Low / Mid / High / Hi-Bright-1 / Hi-Bright-2 / Custom-Low / Custom-Mid /
	  Custom-High / Custom-Hi-Bright-1 / Custom-Hi-Bright-2
	X64w / X95 / X95i
	  Low / Mid / High / Hi-Bright-1 / Hi-Bright-2 / Hi-Bright-3 / Custom-Low / Custom-Mid /
	  Custom-High / Custom-Hi-Bright-1 / Custom-Hi-Bright-2 / Custom-Hi-Bright-3

Color	Setting the color density. [-]: Decrease the color density value. [+]: Increase the color density value
Tint	Setting the Tint. [-]: Decrease the tint value. [+]: Increase the tint value.
Sharpness	Setting the sharpness of the picture. [-]: Decrease the color density value. [+]: Increase the color density value.
Active Iris	Setting the Active Iris. Off / Theater / Presentation ➢ This Function is not displayed for X62w / X64w.

My Memory	Load/Save the My Memory.
	Load1 / Load2 / Load3 / Load4 / Save1 / Save2 / Save3 / Save4
	[Execute]: Load / Save the selected Function.
Reset	Initialize the selected Function
	Brightness / Contrast / Color / Tint / Sharpness
	[Execute]: After the confirmation message, the selected Function will be initialized.

[Gamma -Custom-]

Function	General Description
User Gamma Pattern	Setting the test pattern. Off / 9steps Gray Scale / 15steps Gray Scale / Ramp
User Gamma Point 1	Setting the User Gamma Point 1. [-]: Decrease the User Gamma Point 1 value. [+]: Increase the User Gamma Point 1 value. [Reset]: Initialize the User Gamma Point 1 value.
User Gamma Point 2	Setting the User Gamma Point 2. [-]: Decrease the User Gamma Point 2 value. [+]: Increase the User Gamma Point 2 value. [Reset]: Initialize the User Gamma Point 2 value.
User Gamma Point 3	Setting the User Gamma Point 3. [-]: Decrease the User Gamma Point 3 value. [+]: Increase the User Gamma Point 3 value. [Reset]: Initialize the User Gamma Point 3 value.
User Gamma Point 4	Setting the User Gamma Point 4. [-]: Decrease the User Gamma Point 4 value. [+]: Increase the User Gamma Point 4 value. [Reset]: Initialize the User Gamma Point 4 value.
User Gamma Point 5	Setting the User Gamma Point 5. [-]: Decrease the User Gamma Point 5 value. [+]: Increase the User Gamma Point 5 value. [Reset]: Initialize the User Gamma Point 5 value.
User Gamma Point 6	Setting the User Gamma Point 6. [-]: Decrease the User Gamma Point 6 value. [+]: Increase the User Gamma Point 6 value. [Reset]: Initialize the User Gamma Point 6 value.
User Gamma Point 7	Setting the User Gamma Point 7. [-]: Decrease the User Gamma Point 7 value. [+]: Increase the User Gamma Point 7 value. [Reset]: Initialize the User Gamma Point 7 value.
User Gamma Point 8	Setting the User Gamma Point 8. [-]: Decrease the User Gamma Point 8 value. [+]: Increase the User Gamma Point 8 value. [Reset]: Initialize the User Gamma Point 8 value.

[Color Temp -Custom-]

Function	General Description
User Gamma Pattern	Setting the test pattern. Off / 9steps Gray Scale / 15steps Gray Scale / Ramp
Color Temp Gain R	Setting Color Temp Gain R. [-]: Decrease the Color Temp Gain R value. [+]: Increase the Color Temp Gain R value. [Reset]: Initialize the Color Temp Gain R value.
Color Temp Gain G	Setting Color Temp Gain G. [-]: Decrease the Color Temp Gain G value. [+]: Increase the Color Temp Gain G value. [Reset]: Initialize the Color Temp Gain G value.
Color Temp Gain B	Setting Color Temp Gain B. [-]: Decrease the Color Temp Gain B value. [+]: Increase the Color Temp Gain B value. [Reset]: Initialize the Color Temp Gain B value.
Color Temp Offset R	Setting Color Temp Offset R. [-]: Decrease the Color Temp Offset R value. [+]: Increase the Color Temp Offset R value. [Reset]: Initialize the Color Temp Offset R value.

Color Temp Offset G	Setting Color Temp Offset G. [-]: Decrease the Color Temp Offset G value. [+]: Increase the Color Temp Offset G value. [Reset]: Initialize the Color Temp Offset G value.
Color Temp Offset B	Setting Color Temp Offset B. [-]: Decrease the Color Temp Offset B value. [+]: Increase the Color Temp Offset B value. [Reset]: Initialize the Color Temp Offset B value.

[IMAGE] Tab

Function	General Description
Aspect	Setting the Aspect. 4:3 / 16:9 / 14:9 / Small / Normal
Over Scan	Setting the Over Scan [-]: Decrease the Over scan value. [+]: Increase the Over scan value.
Position	Setting the display position. [▲]: Increase the vertical position. [▼]: Decrease the vertical position. [◀]: Increase the horizontal position. [▶]: Decrease the horizontal position.
H Phase	Setting the clock phase. [-]: Decrease the clock phase value. [+]: Increase the clock phase value.
H Size	Setting the horizontal size. [-]: Decrease the horizontal size value. [+]: Increase the horizontal size value.
Auto Adjust	Execute Auto Adjust.
Reset	Initialize the selected Function. Over Scan / V Position / H Position / H Size [Execute]: After the confirmation message, the selected Function will be initialized.

[INPUT] Tab

Function	General Description
Progressive	Setting the Progressive. Off / TV / FILM
Video NR	Setting the Video NR. Low / Mid / High
3D-YCS	Setting the 3D-YCS Off / Movie / Still Image ➢ This Function is not displayed for X62w / X64w.
Color Space	Setting the Color space. Auto / RGB / SMPTE240 / REC709 / REC601
Component	Setting the Component. Component / Scart RGB
C-Video Format	Setting the C-Video Format. Auto / NTSC / PAL / SECAM / NTSC4.43 / M-PAL / N-PAL
S-Video Format	Setting the S-Video Format. Auto / NTSC / PAL / SECAM / NTSC4.43 / M-PAL / N-PAL
HDMI	Setting the HDMI Signal Type. Auto / Normal / Enhanced ➢ This Function is not displayed for X62w / X64w / X90w.
M1-D	Setting the M1-D Signal Type. Normal / Enhanced ➢ This Function is not displayed for X62w / X64w / X95 / X95i.
Frame Lock	Setting the Frame Lock. Off / On ➢ This Function is not displayed for X64w / X95 / X95i.
Frame Lock-RGB1	Setting the Frame Lock-RGB1. Off / On ➢ This Function is not displayed for X62w / X64w / X90w.
Frame Lock-Computer1	Setting the Frame Lock-Computer1. Off / On ➢ This Function is not displayed for X62w / X90w / X95 / X95i.

Frame Lock-RGB2	Setting the Frame Lock-RGB2. Off / On ➢ This Function is not displayed for X62w / X64w / X90w.
Frame Lock-Computer2	Setting the Frame Lock-Computer2. Off / On ➢ This Function is not displayed for X62w / X90w / X95 / X95i.
Frame Lock-HDMI	Setting the Frame Lock-HDMI. Off / On ➢ This Function is not displayed for X62w / X64w / X90w.

RGB IN-1	Setting the RGB IN-1 Signal Type.
	X95 / X95i
	  Sync On G Off / Auto
	X62w / X90w
	  Sync On G Off / Sync On G On
	➢ This Function is not displayed for X64w.

Computer in-1	Setting the Computer in-1 Signal Type. Sync On G Off / Sync On G On ➢ This Function is not displayed for X62w / X90w / X95 / X95i.

RGB IN-2	Setting the RGB IN-2 Signal Type.
	X95 / X95i
	  Sync On G Off / Auto
	X62w / X90w
	  Sync On G Off / Sync On G On
	➢ This Function is not displayed for X64w.

Computer in-2	Setting the Computer in-2 Signal Type. Sync On G Off / Sync On G On ➢ This Function is not displayed for X62w / X90w / X95 / X95i.

[SETUP] Tab

Function	General Description
Auto Keystone	Execute Auto Keystone.
Keystone V	Setting the Keystone V. [-]: Decrease the Keystone V value. [+]: Increase the Keystone V value.
Keystone H	Setting the Keystone H. [-]: Decrease the Keystone H value. [+]: Increase the Keystone H value. ➢ This Function is not displayed for X62w / X64w.
Whisper	Setting the Whisper. Normal / Whisper
Mirror	Setting the Mirror display. Normal / H Inverse / V Inverse / H&V Inverse
Volume	Setting the Volume. [-]: Decrease the Volume. [+]: Increase the Volume. ➢ This Function is not displayed for X90w / X95 / X95i.
Speaker	Setting the Speaker. Off / On ➢ This Function is not displayed for X62w / X90w / X95 / X95i.
Audio-RGB1	Setting the Audio-RGB1. Off / Audio1 / Audio2 / Audio3 ➢ This Function is not displayed for X64w / X90w / X95 / X95i.
Audio-Computer1	Setting the Audio-Computer1. Off / Audio1 / Audio2 / Audio3 ➢ This Function is not displayed for X62w / X90w / X95 / X95i.
Audio-RGB2	Setting the Audio-RGB2. Off / Audio1 / Audio2 / Audio3 ➢ This Function is not displayed for X64w / X90w / X95 / X95i.
Audio-Computer2	Setting the Audio-Computer2. Off / Audio1 / Audio2 / Audio3 ➢ This Function is not displayed for X62w / X90w / X95 / X95i.
Audio-Video	Setting the Audio-Video. Off / Audio1 / Audio2 / Audio3 ➢ This Function is not displayed for X90w / X95 / X95i.

Audio-S-Video	Setting the Audio-S-Video. Off / Audio1 / Audio2 / Audio3 ➢ This Function is not displayed for X90w / X95 / X95i.
Audio-Component	Setting the Audio-Component. Off / Audio1 / Audio2 / Audio3 ➢ This Function is not displayed for X90w / X95 / X95i.
Audio-MIU	Setting the Audio-MIU. Off / Audio1 / Audio2 / Audio3 / Audio MIU ➢ This Function is not displayed for X90w / X95 / X95i.
Monitor Out-RGB1	Setting the Monitor Out-RGB1. Off / RGB1 / RGB2 ➢ This Function is not displayed for X62w / X64w / X90w / X95.
Monitor Out-RGB2	Setting the Monitor Out-RGB2. Off / RGB1 / RGB2 ➢ This Function is not displayed for X62w / X64w / X90w / X95.
Monitor Out-HDMI	Setting the Monitor Out-HDMI. Off / RGB1 / RGB2 ➢ This Function is not displayed for X62w / X64w / X90w / X95.
Monitor Out-Video	Setting the Monitor Out-Video. Off / RGB1 / RGB2 ➢ This Function is not displayed for X62w / X64w / X90w / X95.
Monitor Out-S-Video	Setting the Monitor Out-S-Video. Off / RGB1 / RGB2 ➢ This Function is not displayed for X62w / X64w / X90w / X95.
Monitor Out -Component	Setting the Monitor Out-Component. Off / RGB1 / RGB2 ➢ This Function is not displayed for X62w / X64w / X90w / X95.
Monitor Out-MIU	Setting the Monitor Out-MIU. Off / RGB1 / RGB2 ➢ This Function is not displayed for X62w / X64w / X90w / X95.
Monitor Out Standby	Setting the Monitor Out Standby. Off / RGB1 / RGB2 ➢ This Function is not displayed for X62w / X64w / X90w / X95.

Reset	Initialize the selected Function.
	X62w / X64w
	  Keystone V
	X90w / X95 / X95i
	  Keystone V / Keystone H
	[Execute]: After the confirmation message, the selected Function will be initialized.

[AUDIO] Tab
This tab is displayed for X90w / X95 / X95i.

Function	General Description
Volume	Setting the Volume. [-]: Decrease the Volume. [+]: Increase the Volume.
Treble	Setting the Treble. [-]: Decrease the Treble. [+]: Increase the Treble.
Bass	Setting the Bass. [-]: Decrease the Bass. [+]: Increase the Bass.
SRS WOW	Setting the SRS WOW. Off / Mid / High
Speaker	Setting the Speaker. Off / On
Audio-RGB1	Setting the Audio-RGB1. Off / Audio1 / Audio2 / Audio3 / Audio4
Audio-RGB2	Setting the Audio-RGB2. Off / Audio1 / Audio2 / Audio3 / Audio4
Audio-M1-D	Setting the Audio-M1-D. Off / Audio1 / Audio2 / Audio3 / Audio4 ➢ This Function is not displayed for X95 / X95i.
Audio-HDMI	Setting the Audio-HDMI. Off / Audio1 / Audio2 / Audio3 / Audio4 / Audio HDMI ➢ This Function is not displayed for X90w.

Audio-Video	Setting the Audio-Video. Off / Audio1 / Audio2 / Audio3 / Audio4
Audio-S-Video	Setting the Audio-S-Video. Off / Audio1 / Audio2 / Audio3 / Audio4
Audio-Component	Setting the Audio-Component. Off / Audio1 / Audio2 / Audio3 / Audio4
Audio-MIU	Setting the Audio-MIU. Off / Audio1 / Audio2 / Audio3 / Audio4 / Audio MIU
Audio Out Standby	Setting the Audio Out Standby. Off / Audio1 / Audio2 / Audio3 / Audio4 ➢ This Function is not displayed for X90w / X95.
HDMI Audio	Setting the HDMI Audio. 1 / 2 ➢ This Function is not displayed for X90w.

[SCREEN] Tab

Function	General Description
Language	Setting the Language. English / French / German / Spanish / Italian / Norwegian / Dutch / Portuguese / Japanese / Simplified Chinese / Korean / Swedish / Russian / Finnish / Polish / Turkish / Traditional Chinese
Menu Position	Setting the Menu Position. [▲]: Increase the vertical menu position. [▼]: Decrease the vertical menu position. [◄]: Decrease the horizontal menu position. [►]: Increase the horizontal menu position.
Blank	Setting the Blank color. Blue / White / Black / MyScreen / Original
Startup	Setting the Startup screen. Original / Off / MyScreen
MyScreen Lock	Setting MyScreen Lock. Off / On
Message	Setting Message. Off / On
Template	Setting the Template. Test Pattern / Dot-Line1 / Dot-Line2 / Dot-Line3 / Dot-Line4 ➢ This Function is not displayed for X62w / X64w / X90w / X95.
Reset	Initialize the selected Function. Menu Position V / Menu Position H [Execute]: After the confirmation message, the selected Function will be initialized.

[OPTION] Tab

Function	General Description
Auto Search	Setting Auto Search. Off / On
Auto Keystone	Setting Auto Keystone. Off / On
Auto On	Setting Auto On. Off / On
Auto Off	Setting Auto Off. [-]: Decrease the Auto Power off time. [+]: Increase the Auto Power off time.

My Button-1	Setting My Button-1.
	X62w
	  RGB1 / RGB2 / Video / S-Video / Component / MIU / Information /
	  Auto Keystone Execute / My Memory / Picture Mode / Filter Reset / e-SHOT /
	  Volume+ / Volume-
	X64w
	  Computer1 / Computer2 / Video / S-Video / Component / MIU / Information /
	  Auto Keystone Execute / My Memory / Picture Mode / Filter Reset / e-SHOT /
	  Volume+ / Volume- / Live Mode / Thumbnail / Slide Show / Directory /
	  Remove Media
	X90w
	  RGB1 / RGB2 / M1-D / Video / S-Video / Component / MIU / Information /
	  Auto Keystone Execute / My Memory / Picture Mode / Filter Reset / Active Iris /
	  e-SHOT / Volume+ / Volume-
	X95
	  RGB1 / RGB2 / HDMI / Video / S-Video / Component / MIU / Information /
	  Auto Keystone Execute / My Memory / Picture Mode / Filter Reset / Active Iris /
	  e-SHOT / AV Mute / Template / Live Mode / Thumbnail / Slide Show / Directory /
	  Remove Media
	X95i
	  RGB1 / RGB2 / HDMI / Video / S-Video / Component / MIU / Information /
	  Auto Keystone Execute / My Memory / Picture Mode / Filter Reset / Active Iris /
	  My Image / AV Mute / Template / Live Mode / Thumbnail / Slide Show / Directory /
	  Remove Media / Other

My Button-2	Setting My Button-2.
	X62w
	  RGB1 / RGB2 / Video / S-Video / Component / MIU / Information /
	  Auto Keystone Execute / My Memory / Picture Mode / Filter Reset / e-SHOT /
	  Volume+ / Volume-
	X64w
	  Computer1 / Computer2 / Video / S-Video / Component / MIU / Information /
	  Auto Keystone Execute / My Memory / Picture Mode / Filter Reset / e-SHOT /
	  Volume+ / Volume- / Live Mode / Thumbnail / Slide Show / Directory /
	  Remove Media
	X90w
	  RGB1 / RGB2 / M1-D / Video / S-Video / Component / MIU / Information /
	  Auto Keystone Execute / My Memory / Picture Mode / Filter Reset / Active Iris /
	  e-SHOT / Volume+ / Volume-
	X95
	  RGB1 / RGB2 / HDMI / Video / S-Video / Component / MIU / Information /
	  Auto Keystone Execute / My Memory / Picture Mode / Filter Reset / Active Iris /
	  e-SHOT / Volume+ / Volume- / AV Mute / Live Mode / Thumbnail / Slide Show /
	  Directory / Remove Media
	X95i
	  RGB1 / RGB2 / HDMI / Video / S-Video / Component / MIU / Information /
	  Auto Keystone Execute / My Memory / Picture Mode / Filter Reset / Active Iris /
	  My Image / AV Mute / Template / Live Mode / Thumbnail / Slide Show / Directory /
	  Remove Media / Other

My Source	Setting the My Source. RGB1 / RGB2 / HDMI / Video / S-Video / Component / MIU ➢This Function is not displayed for X62w / X64w / X90w / X95.
C.C. Display	Setting the Closed Caption Display. Off / On / Auto ➢This Function is not displayed for X62w / X90w / X95.
C.C. Mode	Setting the Closed Caption Mode. Captions / Text ➢This Function is not displayed for X62w / X90w / X95.
C.C. Channel	Setting the Closed Caption Channel. 1 / 2 / 3 / 4 ➢This Function is not displayed for X62w / X90w / X95.

[Service]

Function	General Description

Auto Adjust	Setting the Auto Adjust.
	X64w / X95 / X95i
	  Disable / Fast / Fine
	X62w / X90w
	  Disable / Enable

IR Remote	Setting the IR Remote.
	X90w / X95 / X95i
	  Front (Off / On)
	  Rear (Off / On)
	  Top (Off / On)
	➢ This Function is not displayed for X62w / X64w.

IR Remote Frequency Normal	Setting the IR Remote Frequency Normal. Disable / Enable
IR Remote Frequency High	Setting the IR Remote Frequency High. Disable / Enable

[OTHER] Tab

Function	General Description
Power	Controlling the Power. Off / On

Input Source	Setting the Input Source.
	X62w
	  RGB1 / RGB2 / Video / S-Video / Component / MIU
	X64w
	  Computer1 / Computer2 / Video / S-Video / Component / MIU
	X90w
	  RGB1 / RGB2 / M1-D / Video / S-Video / Component / MIU
	X95 / X95i
	  RGB1 / RGB2 / HDMI / Video / S-Video / Component / MIU

Mode	Setting the Picture Mode.
	X62w / X90w
	  Normal / Cinema / Dynamic / Board(Black) / Board(Green) / White Board / Custom
	X64w / X95 / X95i
	  Normal / Cinema / Dynamic / Board(Black) / Board(Green) / White Board /
	  Daytime / Custom
	➢ Custom is displayed only. It cannot be set.

Blank On / Off	Setting Blank. Off / On
Mute	Setting Mute. Off / On
Freeze	Setting Freeze. Normal / Freeze
Magnify	Setting Magnify [-]: Decrease the Magnify value. [+]: Increase the Magnify value.
e-SHOT	Setting the e-SHOT. Off / Image1 / Image2 / Image3 / Image4 ➢ This Function is not displayed for X95i.
My Image	Setting the My Image. Off / Image1 / Image2 / Image3 / Image4 ➢ This Function is not displayed for X62w / X64w / X90w / X95.

X30N / X35N

[STATUS] Tab

Function	General Description
Power Status	Display the Power Status. Off / On / Cool down
Input Source	Display the Input source status. Computer in1 / Computer in2 / Video / S-Video / Component

Error Status	Display the Error status.
	    Normal / Cover Error / Fan Error / Lamp Error / Temp Error / Air Flow Error
	    / Cold Error / Filter Error / Other Error

Blank On/Off	Display the Blank status. Off / On
Mute	Display the Mute status. Off / On
Freeze	Display the Freeze status. Normal / Freeze
Lamp Time	Display the Lamp Time.
Filter Time	Display the Filter Time.
Reset	Initialize the selected Function. Lamp Time / Filter Time [Execute]: After the confirmation message, the selected Function will be initialized.

[PICTURE] Tab

Function	General Description
Brightness	Setting the Brightness [-]: Decrease the Brightness value. [+]: Increase the Brightness value.
Contrast	Setting the Contrast [-]: Decrease the Contrast value. [+]: Increase the Contrast value.

Gamma	Setting the Gamma.
	    #1-Custom / #2-Custom / #3-Custom / #4-Custom / #5-Custom / #6-Custom /
	    #1-Default / #2-Default / #3-Default / #4-Default / #5-Default / #6-Default

Color Temp	Setting the Color Temp.
	    Low / Mid / High / Hi-Bright-1 / Hi-Bright-2 / Hi-Bright-3 / Custom-Low / Custom-Mid /
	    Custom-High / Custom-Hi-Bright-1 / Custom-Hi-Bright-2 / Custom-Hi-Bright-3

Color	Setting the color density. [-]: Decrease the color density value. [+]: Increase the color density value
Tint	Setting the Tint. [-]: Decrease the tint value. [+]: Increase the tint value.
Sharpness	Setting the sharpness of the picture. [-]: Decrease the color density value. [+]: Increase the color density value.
Active Iris	Setting the Active Iris. Off / Theater / Presentation
My Memory	Load/Save the My Memory. Load1 / Load2 / Load3 / Load4 / Save1 / Save2 / Save3 / Save4 [Execute]: Load / Save the selected Function.
Reset	Initialize the selected Function Brightness / Contrast / Color / Tint / Sharpness [Execute]: After the confirmation message, the selected Function will be initialized.

[Custom - Gamma -]

Function	General Description
User Gamma Pattern	Setting the test pattern. 　Off / 9step Gray Scale / 15step Gray Scale / Ramp
User Gamma Point 1	Setting the User Gamma Point 1. [-]: Decrease the User Gamma Point 1 value. [+]: Increase the User Gamma Point 1 value. [Reset]: Initialize the User Gamma Point 1 value.
User Gamma Point 2	Setting the User Gamma Point 2. [-]: Decrease the User Gamma Point 2 value. [+]: Increase the User Gamma Point 2 value. [Reset]: Initialize the User Gamma Point 2 value.
User Gamma Point 3	Setting the User Gamma Point 3. [-]: Decrease the User Gamma Point 3 value. [+]: Increase the User Gamma Point 3 value. [Reset]: Initialize the User Gamma Point 3 value.
User Gamma Point 4	Setting the User Gamma Point 4. [-]: Decrease the User Gamma Point 4 value. [+]: Increase the User Gamma Point 4 value. [Reset]: Initialize the User Gamma Point 4 value.
User Gamma Point 5	Setting the User Gamma Point 5. [-]: Decrease the User Gamma Point 5 value. [+]: Increase the User Gamma Point 5 value. [Reset]: Initialize the User Gamma Point 5 value.
User Gamma Point 6	Setting the User Gamma Point 6. [-]: Decrease the User Gamma Point 6 value. [+]: Increase the User Gamma Point 6 value. [Reset]: Initialize the User Gamma Point 6 value.
User Gamma Point 7	Setting the User Gamma Point 7. [-]: Decrease the User Gamma Point 7 value. [+]: Increase the User Gamma Point 7 value. [Reset]: Initialize the User Gamma Point 7 value.
User Gamma Point 8	Setting the User Gamma Point 8. [-]: Decrease the User Gamma Point 8 value. [+]: Increase the User Gamma Point 8 value. [Reset]: Initialize the User Gamma Point 8 value.

[Custom - Color Temp -]

Function	General Description
User Gamma Pattern	Setting the test pattern. 　Off / 9step Gray Scale / 15step Gray Scale / Ramp
Color Temp Gain R	Setting Color Temp Gain R. [-]: Decrease the Color Temp Gain R value. [+]: Increase the Color Temp Gain R value. [Reset]: Initialize the Color Temp Gain R value.
Color Temp Gain G	Setting Color Temp Gain G. [-]: Decrease the Color Temp Gain G value. [+]: Increase the Color Temp Gain G value. [Reset]: Initialize the Color Temp Gain G value.
Color Temp Gain B	Setting Color Temp Gain B. [-]: Decrease the Color Temp Gain B value. [+]: Increase the Color Temp Gain B value. [Reset]: Initialize the Color Temp Gain B value.
Color Temp Offset R	Setting Color Temp Offset R. [-]: Decrease the Color Temp Offset R value. [+]: Increase the Color Temp Offset R value. [Reset]: Initialize the Color Temp Offset R value.
Color Temp Offset G	Setting Color Temp Offset G. [-]: Decrease the Color Temp Offset G value. [+]: Increase the Color Temp Offset G value. [Reset]: Initialize the Color Temp Offset G value.
Color Temp Offset B	Setting Color Temp Offset B. [-]: Decrease the Color Temp Offset B value. [+]: Increase the Color Temp Offset B value. [Reset]: Initialize the Color Temp Offset B value.

[IMAGE] Tab

Function	General Description
Aspect	Setting the Aspect. 　4:3 / 16:9 / 16:10 / 14:9 / Normal
Over Scan	Setting the Over Scan [-]: Decrease the Over scan value. [+]: Increase the Over scan value.
Position	Setting the display position. [▲]: Increase the vertical position. [▼]: Decrease the vertical position. [◀]: Increase the horizontal position. [▶]: Decrease the horizontal position.
H Phase	Setting the clock phase. [-]: Decrease the clock phase value. [+]: Increase the clock phase value.
H Size	Setting the horizontal size. [-]: Decrease the horizontal size value. [+]: Increase the horizontal size value.
Auto Adjust	Execute Auto Adjust.
Reset	Initialize the selected Function. 　Over Scan / V Position / H Position / H Size [Execute]: After the confirmation message, the selected Function will be initialized.

[INPUT] Tab

Function	General Description
Progressive	Setting the Progressive. 　Off / TV / FILM
Video NR	Setting the Video NR. 　Low / Mid / High
Color Space	Setting the Color space. 　Auto / RGB / SMPTE240 / REC709 / REC601
Component	Setting the Component. 　Component / Scart RGB
S-Video Format	Setting the S-Video Format. 　Auto / NTSC / PAL / SECAM / NTSC4.43 / M-PAL / N-PAL
C-Video Format	Setting the C-Video Format. 　Auto / NTSC / PAL / SECAM / NTSC4.43 / M-PAL / N-PAL
Computer in1	Setting the Computer in-1 Signal Type. 　Sync On G Off / Auto
Computer in2	Setting the Computer in-2 Signal Type. 　Sync On G Off / Auto
Frame Lock - Computer in1	Setting the Frame Lock-Computer in1. 　Off / On
Frame Lock - Computer in2	Setting the Frame Lock-Computer in2. 　Off / On

[SETUP] Tab

Function	General Description
Auto Keystone Execute	Execute Auto Keystone.
Keystone V	Setting the Keystone V. [-]: Decrease the Keystone V value. [+]: Increase the Keystone V value.
Eco Mode	Setting the Eco Mode. 　Normal / Eco
Mirror	Setting the Mirror display. 　Normal / H Inverse / V Inverse / H&V Inverse
Standby Mode	Setting the Standby Mode. 　Normal / Saving
Monitor Out - Computer in1	Setting the Monitor Out-Computer in1. 　Off / Computer in1
Monitor Out - Computer in2	Setting the Monitor Out-Computer in2. 　Off / Computer in2
Monitor Out - Component	Setting the Monitor Out-Component. 　Off / Computer in1 / Computer in2
Monitor Out - S-Video	Setting the Monitor Out-S-Video. 　Off / Computer in1 / Computer in2

Monitor Out - Video	Setting the Monitor Out-Video. Off / Computer in1 / Computer in2
Monitor Out - Standby	Setting the Monitor Out Standby. Off / Computer in1 / Computer in2
Reset	Initialize the selected Function. Keystone V [Execute]: After the confirmation message, the selected Function will be initialized.

[AUDIO] Tab

Function	General Description
Volume	Setting the Volume. [-]: Decrease the Volume. [+]: Increase the Volume.
Speaker	Setting the Speaker. Off / On
Audio Source - Computer in1	Setting the Audio-Computer in1. Off / Audio1 / Audio2 / Audio3
Audio Source - Computer in2	Setting the Audio-Computer in2. Off / Audio1 / Audio2 / Audio3
Audio Source - Component	Setting the Audio-Component. Off / Audio1 / Audio2 / Audio3
Audio Source - S-Video	Setting the Audio-S-Video. Off / Audio1 / Audio2 / Audio3
Audio Source - Video	Setting the Audio-Video. Off / Audio1 / Audio2 / Audio3
Audio Out Standby	Setting the Audio Out Standby. Off / Audio1 / Audio2 / Audio3

[SCREEN] Tab

Function	General Description
Language	Setting the Language. English / French / German / Spanish / Italian / Norwegian / Dutch / Portuguese / Japanese / Simplified Chinese / Korean / Swedish / Russian / Finnish / Polish / Turkish / Traditional Chinese / Danish / Czech / Hungarian / Romanian / Slovenian / Croatian / Greek / Lithuanian / Estonian / Latvian / Thai / Arabian / Persian / Portuguese-Brazil
Menu Position	Setting the Menu Position. [▲]: Increase the vertical menu position. [▼]: Decrease the vertical menu position. [◀]: Decrease the horizontal menu position. [▶]: Increase the horizontal menu position.
Blank	Setting the Blank color. Blue / White / Black / MyScreen / Original
Startup	Setting the Startup screen. Original / Off / MyScreen
MyScreen Lock	Setting the Blank color. Blue / White / Black / MyScreen / Original
Message	Setting Message. Off / On
Template	Setting the Template. Test Pattern / Dot-Line1 / Dot-Line2 / Dot-Line3 / Dot-Line4
C.C. - Display	Setting the Closed Caption Display. Off / On / Auto
C.C. - Mode	Setting the Closed Caption Mode. Captions / Text
C.C. - Channel	Setting the Closed Caption Channel. 1 / 2 / 3 / 4
Reset	Initialize the selected Function. Menu Position V / Menu Position H [Execute]: After the confirmation message, the selected Function will be initialized.

[OPTION] Tab

Function	General Description
Auto Search	Setting Auto Search. 　　Off / On
Auto Keystone	Execute Auto Keystone.
Direct On	Setting Direct On. 　　Off / On
Auto Off	Setting Auto Off. [-]: Decrease the Auto Power off time. [+]: Increase the Auto Power off time.
My Button-1	Setting My Button-1. 　Computer in1 / Computer in2 / Video / S-Video / Component / Information / 　Auto Keystone Execute / My Memory / Active Iris / Picture Mode / Filter Reset / 　AV Mute / Template / My Image / Messenger / Other
My Button-2	Setting My Button-2. 　Computer in1 / Computer in2 / Video / S-Video / Component / Information / 　Auto Keystone Execute / My Memory / Active Iris / Picture Mode / Filter Reset / AV 　Mute / Template / My Image / Messenger / Other
My Source	Setting the My Source. 　Computer in1 / Computer in2 / Video / S-Video / Component

[Service]

Function	General Description
IR Remote Frequency Normal	Setting the IR Remote Frequency Normal. 　　Disable / Enable
IR Remote Frequency High	Setting the IR Remote Frequency High. 　　Disable / Enable

[OTHER] Tab

Function	General Description
Power	Controlling the Power. 　　Off / On
Input Source	Setting the Input Source. 　Computer in1 / Computer in2 / Video / S-Video / Component
Picture Mode	Setting the Picture Mode. 　Normal / Cinema / Dynamic / Board(Black) / Board(Green) / White Board / Daytime / 　Custom ➢Custom is displayed only. It cannot be set.
Blank On/Off	Setting Blank. 　　Off / On
Mute	Setting Mute. 　　Off / On
Freeze	Setting Freeze. 　　Normal / Freeze
Template On/Off	Setting Template. 　　Off / On
Magnify	Setting Magnify [-]: Decrease the Magnify value. [+]: Increase the Magnify value.
My Image	Setting the My Image. 　　Off / Image1 / Image2 / Image3 / Image4
My Image Delete	Deleting the My Image. 　　Image1 / Image2 / Image3 / Image4

3.15   Turn on the power

Select [Control] → [Power ON] to turn on the power. You can also turn on the power by clicking the power on icon on the toolbar. If you select a group of projectors, all projectors in the group are powered on.

3.16   Turn off the power

Select [Control] → [Power OFF] to turn off the power. You can also turn off the power by clicking the power off icon on the toolbar. If you select a group of projectors, all projectors in the group are powered off.

3.17   Display e-SHOT / MY MAGE

You can display e-SHOT / MY IMAGE on projectors that supports e-SHOT / MY IMAGE feature. The e-SHOT / MY IMAGE is available for the following models, X62w, X64w, X90w, X95 and X95i. Select [Control] → [Display Image] and image number, when you display e-SHOT / MY IMAGE. Select [Control] → [Display Image] → [Off], when you exit e-SHOT / MY IMAGE. If you choose projector group, e-SHOT / MY IMAGE command is sent to the all projectors in the group.

3.18   Schedule Events

In order to schedule the events, go to [Schedule] → [Edit] from the menu. The Edit Schedule dialogue will appear.
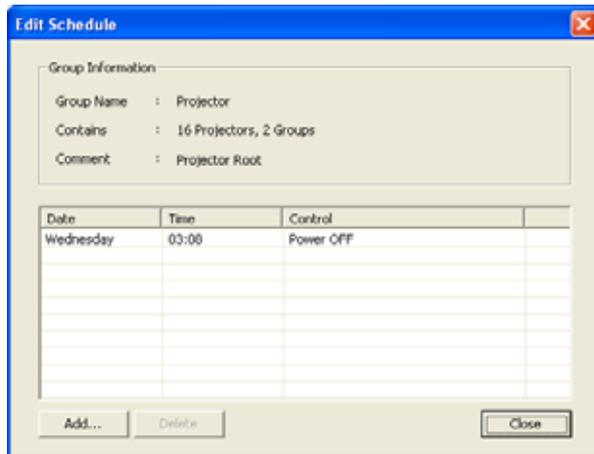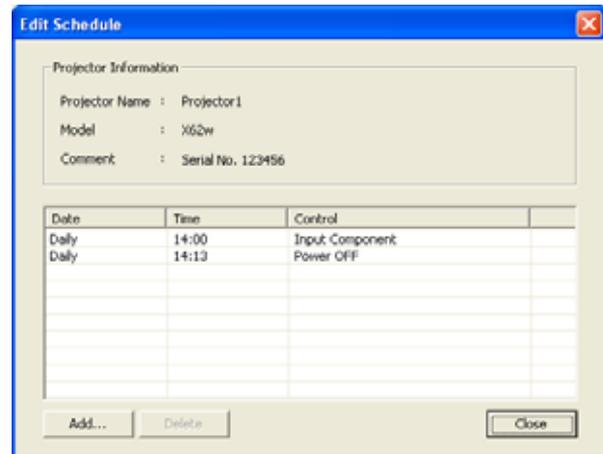
Group selected   Projector selected

Group Information
Group Name   ---   Displays the group name.
Contains   ---   Displays the number of projectors and groups in the group.
Comment   ---   Displays the comment.

Projector Information
Projector Name   ---   Displays the projector name.
Model   ---   Displays the model name.
Comment   ---   Displays the comment.

Schedule List   ---   Show the list of scheduled events
[Add]   ---   Add a new event
[Delete]   ---   Delete a selected event
[Close]   ---   Close the dialogue

The Add Schedule dialogue will appear when you are adding a new event.

Schedule Kind	---	Select a following schedule type.
		Daily / Sunday / Monday / Tuesday / Wednesday / Thursday / Friday / Saturday / Specific date
Date	---	Specify the event date for Specific date schedule type
Time	---	Specify the event time
Control	---	Specify the event
[OK]	---	Add the event and close the dialogue

3.19 Activate monitoring scheduled events

Select [Schedule] → [Start]. You can also activate monitoring events by clicking the schedule start icon on the toolbar. You cannot add, delete or edit an event during while the event monitoring process is active. Please see the chapter 5 for the details.

3.20 Stop monitoring scheduled events

Select [Schedule] → [Stop]. You can also stop the monitoring events by clicking [schedule stop] icon on the toolbar. Please see the chapter 5 for the details.

3.21 Polling Interval Period

Select [Option] → [Status Check Interval], enter the polling interval time in seconds.

The polling interval time must be within the range from 10 to 3600 seconds.
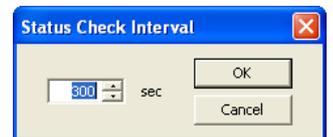
3.22 Mail Setting

A notification mail will be sent when any error or selected condition occurs. Select [Option] → [Mail Settings] to open the mail settings dialogue.

(1) Mail Settings
Mail Settings dialog is as follows.
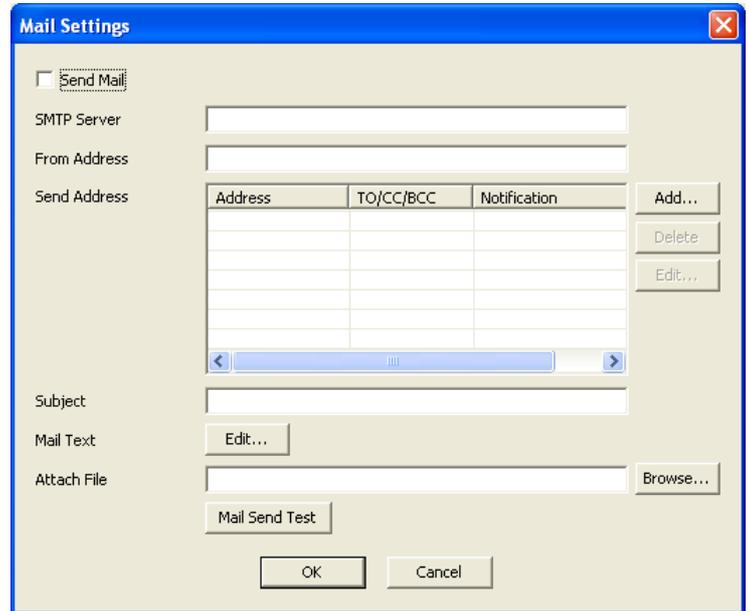
Send Mail	---	Enable / Disable send mail function
SMTP Server	---	Enter the SMTP Server
From Address	---	Enter the sender's mail address
Send Address	---	Enter the receiver's mail addresses up to 10 addresses
		[Add]: Add a receiver's mail address
		[Delete]: Delete a receiver's mail address
		[Edit]: Edit receiver's mail address
Subject	---	Enter the subject
Mail Text	---	Mail Text Setting screen appears to set the mail message
Attach File	---	Enter the file name of attached file (optional)
		[Browse] File dialogue appears
		:
Mail Send Test	---	Send a test mail

(2) Mail Address Settings
Mail Address Setting dialogue is as follows.

Mail Address --- Enter the mail address to be sent, up to 256 characters.
[TO][CC][BCC]: Select TO / CC / BCC.

Notification --- Chose the Error / Alarm to send the mail.
[Select All]:   Turn all the check box ON.
[Release All]:   Turn all the check box OFF.
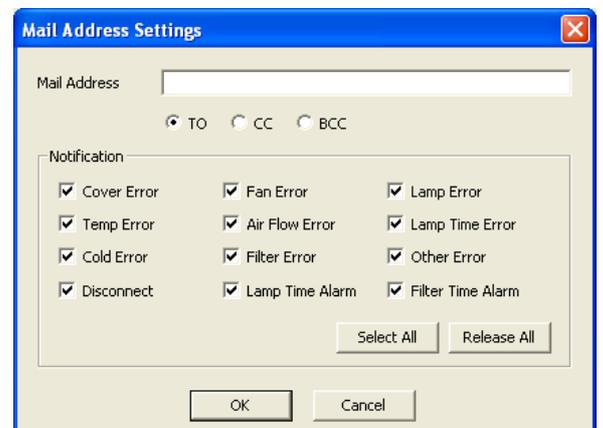
(3) Mail Text Settings
Mail Text Settings dialogue is as follows.
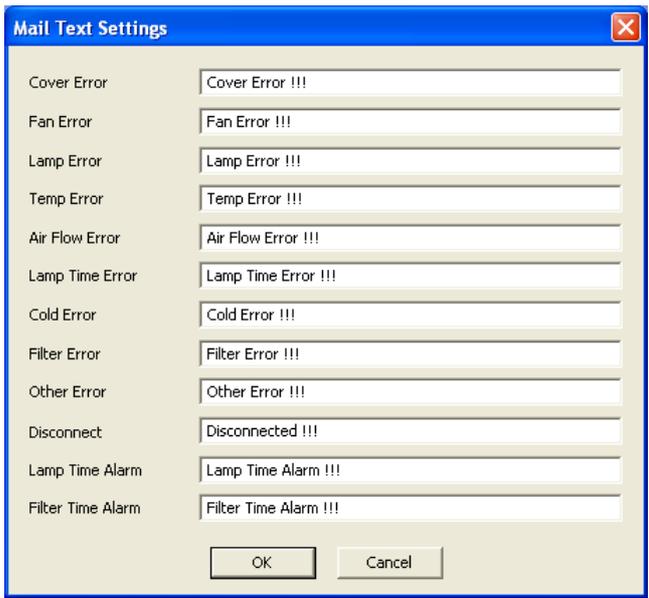
Cover Error	---	Enter the text message, which is sent when Cover Error occurs
Fan Error	---	Enter the text message, which is sent when Fan Error occurs
Lamp Error	---	Enter the text message, which is sent when Lamp Error occurs
Temp Error	---	Enter the text message, which is sent when Temp Error occurs
Air Flow Error	---	Enter the text message, which is sent when Air Flow Error occurs
Lamp Time Error	---	Enter the text message, which is sent when Lamp Time Error occurs
Cold Error	---	Enter the text message, which is sent when Cold Error occurs
Filter Error	---	Enter the text message, which is sent when Filter Error occurs
Other Error	---	Enter the text message, which is sent when Other Error occurs
Disconnect	---	Enter the text message, which is sent when connection is disconnected
Lamp Time Alarm	---	Enter the text message, which is sent when Lamp Alarm Time comes
Filter Time Alarm	---	Enter the text message, which is sent when Filter Alarm Time comes

3.23   MY IMAGE transfer

You can send an MY IMAGE file to a projector that supports MY IMAGE feature. This function is available for the following models, X30N and X35N. The X62w, X64w, X90w, X95 and X95i support MY IMAGE also, but this tool is not supported those models due to transfer mechanism difference. Select [Option] → [Image Send] to display the window "Send Image file to projector(s)" as shown next.

In order to add projectors on the list, please mark the projector group on the tree view. Also you can unselect projector individually.
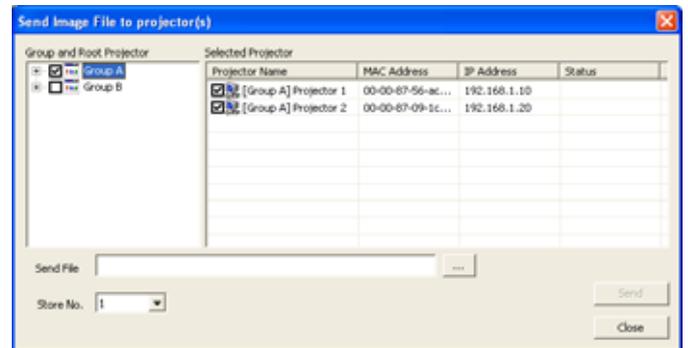
Once you select the image file and store location number, the "Send" button becomes available. The compatible image file is only PJ1 format file that can be created by Projector Image Tool (PJImg). And then, click the Send button to transfer image. The maximum size of transferred file is depending on the model. Please check the following list.

X30N / X35N
   Less than equal 130,816byte

The status is shown during transfer. The status will change "Completed" if it succeeds.
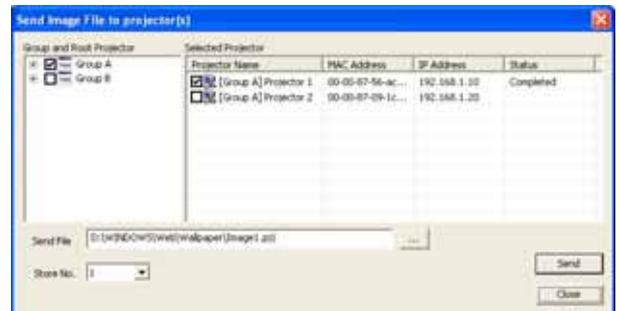
Note
   Please verify the port setting on the projector and the port / authentication setting on the application.

3.24   User-defined Model

3.24.1 Add an User-defined Model

   You can create your own projector definition and add it as User-defined model. In order to add new User-defined model, click [Add Model…] button on the Add Projector window. Once you have added a User-defined model, the new model is added in the standard model list.

(1) General Settings
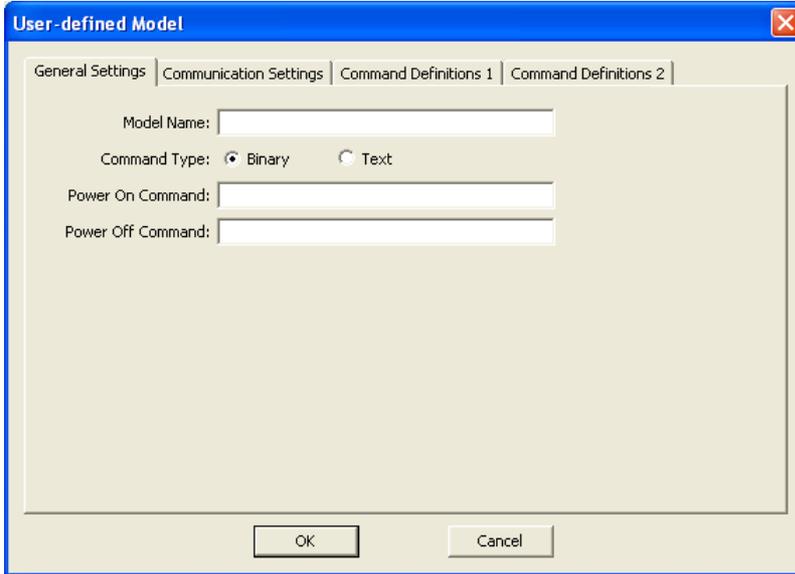
Model Name   ---   Enter the name of User-defined model
Command Type   ---   Select command type wither Binary or Text (ASCII)
Power On Command   ---   Define Power On command. It allows up to 32 ASCII character length.
                            Binary type command
                                Ex: BEEF030600BAD2010000600100
                              * Only 0-9, a-f and A-F are available to enter.
                            Text type command
                                Ex: POWER ON[CR]
                              * Control characters are defined as below.
Power Off Command   ---   Define Power Off command. It allows up to 32 ASCII character length.
                            Binary type command
                                Ex: BEEF0306002AD3010000600000
                              * Only 0-9, a-f and A-F are available to enter.
                            Text type command
                                Ex: POWER OFF[CR]
                              * Control characters are defined as below.

Control Characters

Control Character		Notation	Control Character		Notation	Control Character		Notation
NUL	0x00	[NUL]	VT	0x0b	[VT]	SYN	0x16	[SYN]
SOH	0x01	[SOH]	NP	0x0c	[NP]	ETB	0x17	[ETB]
STX	0x02	[STX]	CR	0x0d	[CR]	CAN	0x18	[CAN]
ETX	0x03	[ETX]	SO	0x0e	[SO]	EM	0x19	[EM]
EOT	0x04	[EOT]	SI	0x0f	[SI]	SUB	0x1a	[SUB]
ENQ	0x05	[ENQ]	DLE	0x10	[DLE]	ESC	0x1b	[ESC]
ACK	0x06	[ACK]	DC1	0x11	[DC1]	FS	0x1c	[FS]
BEL	0x07	[BEL]	DC2	0x12	[DC2]	GS	0x1d	[GS]
BS	0x08	[BS]	DC3	0x13	[DC3]	RS	0x1e	[RS]
HT	0x09	[HT]	DC4	0x14	[DC4]	US	0x1f	[US]
LF	0x0a	[LF]	NAK	0x15	[NAK]	DEL	0x7f	[DEL]

(2) Communication Settings
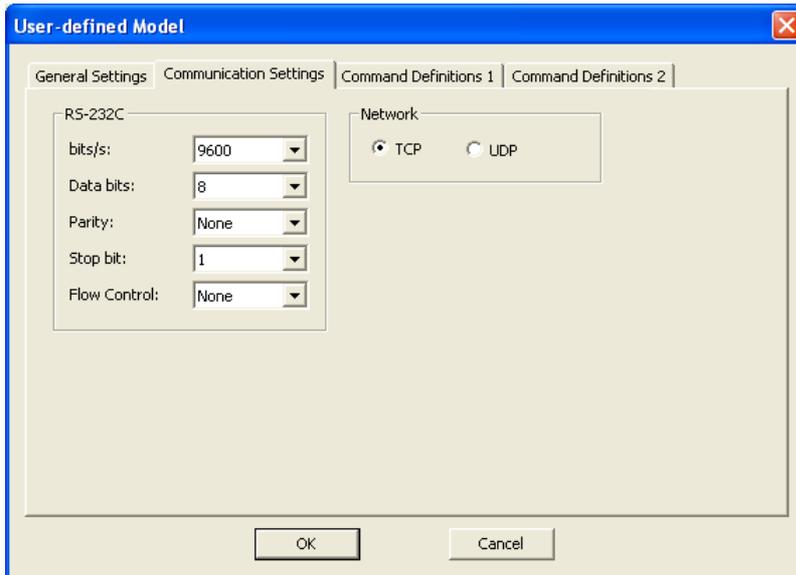
RS-232C   ---   COM port parameter setting (if RS232C uses)
  bits/s   ---   Baud rate
  Data bits   ---   Data bit
  Parity   ---   Parity bit
  Stop bit   ---   Stop bit
  Flow Control   ---   Flow control
Network   ---   Select network protocol (TCP or UDP)

(3) Command Definitions 1

Name   ---   Enter the name of command, up to 32 ASCII characters.
Command   ---   Define the command up to 32 ASCII characters.
      The allowed characters are depending on the command type selection (binary or Text) on the General Setting TAB.

(4) Command Definitions 2
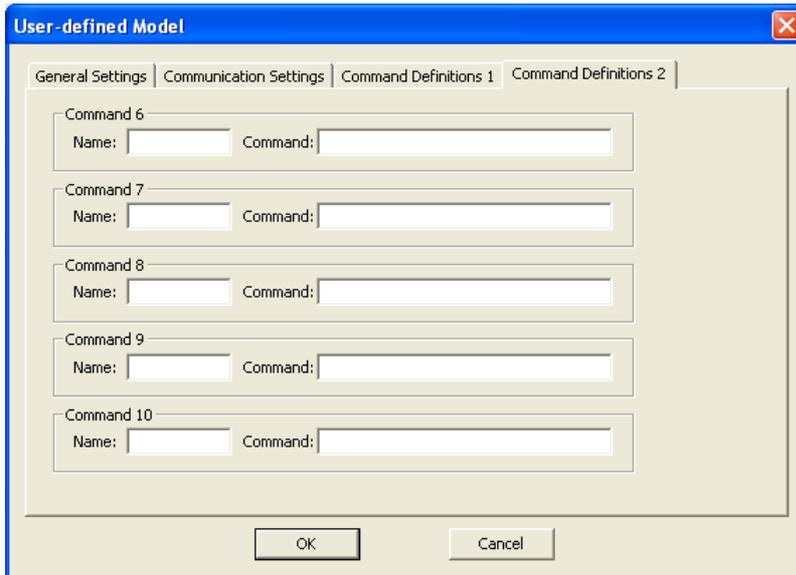
    Name   ---   Enter the name of command, up to 32 ASCII characters.
    Command   ---   Define the command up to 32 ASCII characters. The allowed characters are depending on the command type selection (binary or Text) on the General Setting TAB.

3.24.2 Edit User-defined Model

In order to edit User-defined model, select [Option] → [Edit User-defined Model]. The following window will be appeared.
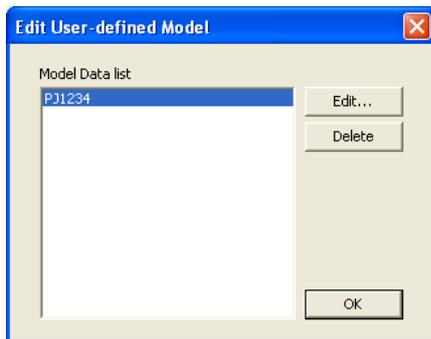
(1) Edit
    Choose a User-defined Model form the list, and then click [Edit…] button.

(2) Delete
    Choose a User-defined model from the list, and then click [Delete…] button. The confirmation message will be appeared. The deleted model on the projector tree will be removed when the User-defined Model definition is deleted.

3.24.3 Control User-defined Model

(1) Power On
   Select [Control] → [Power ON] to turn on the power. You can also turn on the power by clicking the power on icon on the toolbar. If you select a group of projectors, all projectors in the group are powered on.

(2) Power Off
   Select [Control] → [Power OFF] to turn off the power. You can also turn off the power by clicking the power off icon on the toolbar. If you select a group of projectors, all projectors in the group are powered off.

(3) Command No.1-10
   Select [Control] → [Execute Command] to execute a command.

(4) Schedule
   Only Power On / Off commands are allowed as the schedule event for User-defined model.

3.25 Open the build-in HTML page in the projector

   You can access the projector build-in HTML page from PJMan directly. Select the projector from the tree view, and then go to [Option] → [Access Projector via HTML] from the menu. The default browser on your computer will launch automatically and access the selected projector HTML page. This function supports the network projector only.

3.26 About Dialogue

   Select [Help] → [About] to open the about dialogue.

About Projector Management Application

Projector Management Application Version 7.00

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OK

4 Mail Feature

4.1   Mail Format

The Projector Management Application sends an e-mail by following format.

```
Time : YYYY / MM / DD hh:nn:ss
Projector Name : xxxxxx
Connection: xxxxxx
Message: xxxxxxxxxxxxxxxxx (Typed in text on Message Setting screen)

(Sample 1)
Time: 2003 / 11 / 11 23:12:22
Projector Name: Projector1
Connection: 192.168.1.10 (00-00-87-F3-EB-01)
Message: Fan Error!!!

(Sample 2)
Time: 2003/11/12 20:00:17
Projector Name: Projector2
Connection: COM1
Message: Lamp Error!!!
```

4.2   Others

The e-mail sending process is triggered by the transition from normal status to error (or event) mode. When an error happens at the startup, this Projector Management Software application will not send e-mail.

5 Status

The projector status is classified with colored label.

Status	Display
Normal	Projector 1 (Black text with white background)
Warning	Projector 1 (Black text on yellow background)
Error	Projector 1 (White text on brown background)
Disconnect	Projector 1 (White text on red background)
All of projectors are normal	Group A (Black text on white background)
At least one projector is in the warning state and rests of projectors are normal.	Group A (Black text on yellow background)
At least one projector is in the error state and rests of projectors are either warning or normal state.	Group A (White text on brown background)
At least one projector is in the disconnect state, and rest of projectors are error, warning or normal.	Group A (White text on red background)

The each projector is classified by colored label on the list of projector when the user select a group.

Status	Display	
Normal		(Black text with white background)
Warning		(Black text on yellow background)
Error		(White text on brown background)
Disconnect		(White text on red background)

The priority of colored label is; 1st Disconnect, 2nd Error and 3rd Warning.

6 Output Log

In order to enable logging status data, please enable log setting through [File] → [Log]. It does not record log data when it is unchecked.

Output folder : (PJman installed folder)\Log\
Filename :
        TCP / IP network --- (IP address)_(Port No.).log (ex: 192.168.1.10_23.log)
        Serial (RS232C) --- COMM_(Port No.).log (ex: COMM_1.log)
Format:
  Command log
    [Cmd], [Date], [Action code], [Operation ID], [Operation Name], [Setting Value], [Result], [Return Value]

  Status log (only status is changed)
    [Stat], [Date], [Status Name], [Status]

Example
[Stat], 2008/11/07 20:06:16, Power Status, ON
[Stat], 2008/11/07 20:06:16, Lamp Time, 0
[Stat], 2008/11/07 20:06:16, Filter Time, 0
[Stat], 2008/11/07 21:06:16, Lamp Time, 1
[Stat], 2008/11/07 21:06:16, Filter Time, 1
[Cmd], 2008/11/07 21:10:35, Set, 0x2000, Input Source, 1, OK, 0
[Cmd], 2008/11/07 21:15:27, Get, 0x6000, Power, 0, OK, 0
[Cmd], 2008/11/07 21:15:27, Set, 0x6000, Power, 0, OK, 0
[Stat], 2008/11/07 21:15:30, Error Status, Disconnect

7 Create Log Report

In order to create Log Report, choose a projector or group that you want to create Report from the tree view. Ands then, select [File] → [Log Report]. The following dialogue appears.

Period --- The reporting period.
   Start : Start Date
   End : End Date
Output folder --- Output folder

The Log Report will create in the output folder when OK button is pressed. The folder contains individual Log Report of each projector separately. The individual log life is provided as csv format with projector name ("projector name.csv")

The format of Log Report is shown below.

```
Projector Name: Projector 1
Model: X62w
Connection: 192.168.1.10:23 (00-00-87-f3-eb-01)
Period: 2008/04/01 - 2008/04/30

Use Information
[Date],[Power On Count],[Power Off Count],[Lamp Time],[Filter Time],[Error Count]
2008/04/01,5,5,145,145,0
2008/04/02,3,3,148,148,1
    :
    :
2008/04/30,1,1,193,193,0

Error Information
[Date], [Time], [Error Info]
2008/04/02,17:43:36,Disconnect
```

Item		Description	Note
Projector Name		Projector name	
Model		Model name	
Connection		Connection type	Serial (RS232C): COM Port number Network: IP Address:Portnumber (MAC address)
Period		Log data period	yyyy/mm/dd
Use Information		Usage information	
	Date	Date	yyyy/mm/dd
	Power On Count	Sum of power status change from OFF to ON	
	Power Off Count	Sum of power status change from ON to OFF	
	Lamp Time	Lamp hours	The lamp hours when the report is generated.
	Filter Time	Filter hours	The filter hours when the report is generated.
	Error Count	Sum of Error / Warnings	
Error Information		Error Information	
	Date	Date of Error	yyyy/mm/dd
	Time	Time of Error	hh:nn:ss
	Error Info	Error type	

8 Create Status Report

You can create the status report as HTML format. The report shows a current snapshot of projector status in a particular group, searched group or groups. In order to show the status report, select the group or projector. And then go to [File] → [Output Report] from the menu. The status report will be shown in the web browser.

The status report will be given by group as shown below.