Sanyo PJ-NET ORGANIZER POA-PN10 User Manual

Pj-net organizer

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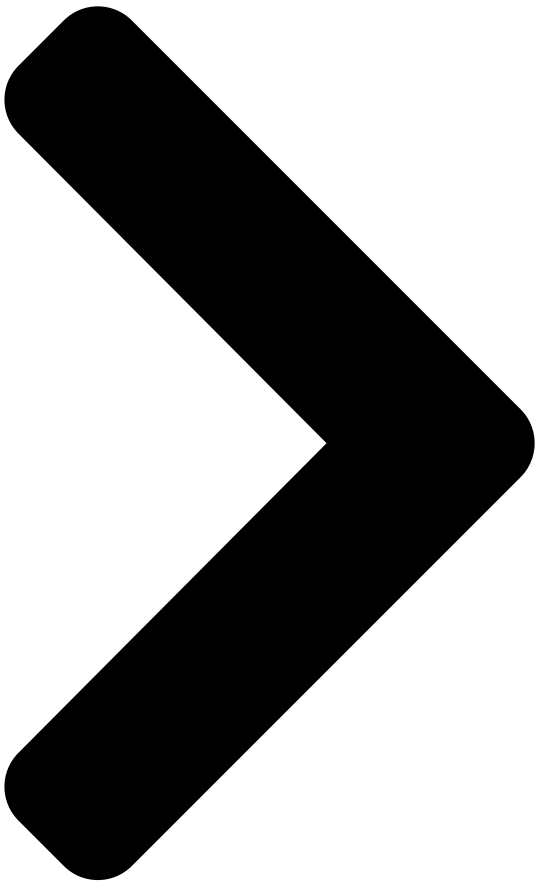

OWNER'S MANUAL

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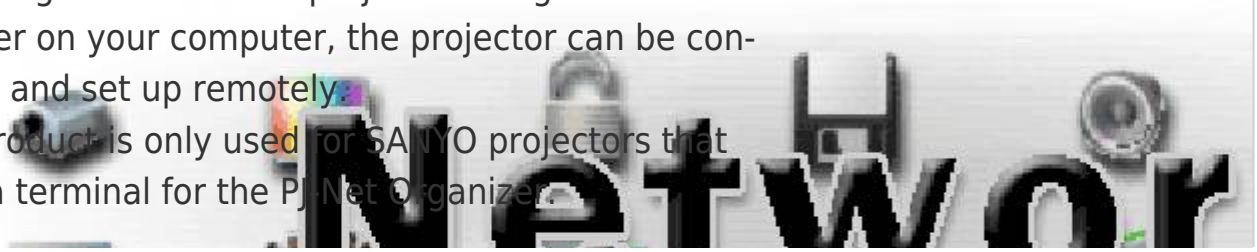
INSTALLATION and OPERATION of the PJ-Net Organizer

This PJ-Net Organizer is an optional product to control and set up a projector via a network. Attach this product to the projector and connect a network cable. By accessing the connected projector using the web browser on your computer, the projector can be controlled and set up remotely.

This product is only used for SANYO projectors that have a terminal for the PJ-Net Organizer.



This manual explains the installation of the PJ-Net Organizer and its operation.

PJ-Net Organizer

Model No. POA-PN10

Preparation
Installation
Basic Setting and Operation
Controlling the Projector
Controlling the Multi-Projectors
Use of Serial Port
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Related Manuals for Sanyo PJ-NET ORGANIZER POA-PN10

Organizer Sanyo PLV-80 Series Owner's Manual

Pj-net organizer plus c (88 pages)

Organizer Sanyo POA-PN01A Owner's Manual

Pj-net organizer (84 pages)

Organizer Sanyo POA-PN01 Use Manual

Pj-net organizer (8 pages)

Organizer Sanyo PJ-Net Organizer Plus POA-PN40 Owner's Manual

Sanyo pj-net organizer owner's manual (86 pages)

Organizer Sanyo PJ-Net Owner's Manual

Pj-net organizer (114 pages)

Summary of Contents for Sanyo PJ-NET ORGANIZER POA-PN10

Page 1 This product is only used for SANYO projectors that have a terminal for the PJ-Net Organizer. This manual explains the installation of the PJ-Net...

Page 2: Compliances

Telephone No. : (818)998-7322 Trademark PJ-Net Organizer is a trademark of Sanyo Electric Co., Ltd. Ethernet is a registered trademark of Xerox Corporation. Microsoft, Windows, Windows NT are registered trademarks of Microsoft Corporation. Macintosh, Mac OS are registered trademarks of Apple Computer Inc. Internet Explorer is a registered trademark of Microsoft Corporation.

Page 3: Expression/Abbreviation

It may cause fire or an accident depending on the change of environment. SANYO Electric Co. Ltd assumes no responsibility for the loss or damage of data or damage of the computer caused by use of this product.

Page 4: Table Of Contents

Contents Compliances ..... .2 Expression/Abbreviation .

Page 5 SYSTEM Adjustment .....40 Image Adjustment ..... . .41 Sound Adjustment .

Page 6: Features

Preparation Features Web Management function With this function, you can monitor projector functions such as power status, lamp status, input mode, signal condition, lamp-use time, etc. through the network by using the web browser installed on your computer. Power ON ! E-Mail Alert function Projector (Network Unit) sends messages to the registered e-mail addresses when a lamp abnormality or power failure occurs with the projector.

Page 7 Multi-control function A single computer can control and set up the multiple computers at the same time. Automatic On/Off using Timer function Automatically turn on or off the projectors at specified date/day and time by using the clock function. Now it’s 11:30 Control port ready for external equipment via network This product provides a serial port (RS-232C) for controlling external equipment.

Page 8: Operating Environment

Preparation Operating Environment To perform the management and setting up the projector using this product, the envi- ronment described below is required. Operating System Windows 95 / Windows 98 / Windows 2000 / Windows Me / Windows NT / Windows XP Mac OS 8.0 or later

Network Network must handle Ethernet correctly and accept TCP/IP protocol.

Page 9: Installation

Installation Network Unit OWNER’S MANUAL...

Page 10: Flow Of Installation

Installation Flow of installation The following are instructions for attaching this product to the projector and connect- ing it to the network. Please review the entire procedure to become familiar with it. Check package Please check the contents of a package. This product contains a Network Unit and an owner’s manual (this manual).

Page 11: Name And Function Of Each Part

Name and function of each part Power indicator This illuminates red when the Network function is set ON in the projector menu. LAN port Connecting the LAN cable. (p.13) Serial port This is used when controlling the external equipment via the network.

Page 12: Mounting

Installation [1] Mounting Disconnect the AC plug from the projector. Remove all of the hole covers (3 round type, 4 square type) on the rear of the projector and insert plug on this product to the DVI connector. Mount as the SW lever on the Unit presses the mount detect- ing SW on the projector.

Page 13: Connection Of Lan Cable

[2] Connection of LAN cable To connect to the network, it is required to use the UTP (Unshielded Twisted Pair) strait cable with RJ-45 plug. There are two different types of cables depending on whether the network is constructed with 10Base-T or 100Base-TX. Prepare the Hub (10Base-T or 100Base-TX) to distribute the network cable if required.

Page 14: Confirmation Of Network Menu Activity

Installation [3] Confirmation of network menu activity When installing this product onto the projector, the network on-screen menu items for this product are activated automatically. If not activated, the product may not have been installed correctly. Please check chapter “Mounting” on page 12. Turn on the projector and display the menu on the screen.

Page 15: Network Configuration

[4] Network configuration When you connect a projector to a network, the network number of projector must be the same as the network you intend to connect. You should configure projector’s network first. Make sure that the projector is connected to the network correctly. There are 2 ways to configure the network, by using the using the computer .

Page 16: Configure The Network With The Projector

Installation Configure the network with the projector This example explains how to set the following configuration. IP Address Subnet Mask Default Gateway : 192.168.1.1 Selection of network menu [Network] Turn on the projector and display the menu on the screen. Select the Network icon from the Setting sub menu using the pointers, and then press the SELECT button on the remote control or on the projector.

Page 17

How to enter the numbers To move the selection and change the values, Use the pointers jector or on the remote control handset. The 7/8 keys are used to move the selection item. keys are used to change the number value. Restart the Network Unit Select the SET with the 7/8 keys and press the SELECT button again.

Page 18: Configure The Network With The Computer

Installation Configure the network with the computer This example explains how to set the following configuration. IP Address Subnet Mask Default Gateway : 192.168.1.1 The default network configuration is set as follows. IP Address Subnet Mask Default Gateway Make sure that the projector is connected to the network and then connect the AC cord to the outlet.

Page 19

Configure the network of the projector by using the web browser. . Enter the IP address of the projector as the URL. The login page will be dis- played and login. For further

information, please see chapter “2: Basic Setting and Operation”...

Page 20: Configure The Network Of Computer

Installation Configure the network of computer When you use the projector through the network, the IP address of the pro- jector must be the same IP network number of the existing network. Also it is required to use the same IP network number of the computer to set up the projec- tor.

Page 21: Windows 2000/Nt4.0

Windows 2000/NT4.0 This example explains how to set the following network address. IP Address : 192.168.0.5 Subnet Mask : 255.255.255.0 Gateway Address : 192.168.100.1 Select the Network and Dial-up Connections menu from [Start] - [Settings] menu. Click the Local Area Connection icon with right button of the mouse and then select the Properties menu from the popup menu.

Page 22: Windows Xp

Installation Windows XP This example explains how to set the following network address. IP Address : 192.168.0.5 Subnet Mask : 255.255.255.0 Gateway Address : 192.168.100.1 Select the Control Panel menu from the [Start] menu. Click the Network and Internet Connection and then click the Network on the control panel.

Page 23: Macintosh

Macintosh This example explains how to set the following network address. IP Address : 192.168.0.5 Subnet Mask : 255.255.255.0 Gateway Address : 192.168.100.1 Select TCP/IP* menu from the [Apple] - [Control Panel] menu. Select Ethernet from the "Connect via" pull down menu and Manually from the "Configure"...

Page 24: Notice About System Construction

Installation Notice about system construction For installation of multiple projectors into the same network with Network Unit. Do not install multiple projectors with the Network Units that have their default net- work settings to the same network. The use of the Network Units which have the default IP address set to the same network settings will cause IP addresses to collide and create a malfunction.

Page 25: Basic Setting And Operation

Basic Setting and Operation Network Unit OWNER’S MANUAL...

Page 26: Login Or Logout The Setting Page Of The Projector

Basic Setting and Operation This chapter describes basic operations and settings for controlling the projector via a network using this product. It is required that computer and projector are connected to the network and the network address be properly configured. Login or logout the setting page of the projector Enter the IP address Launch the web browser installed in...

Page 27: Display Of Main Setting Page

Display of main setting page The following main setting page of the projector is displayed. Perform the various kinds of setting through this page. Click on the linked text to display the control and setting pages. The main menu which can be set up and control the projector appears on the left upper side of the page.

Page 28: Logout

Basic Setting and Operation Logout Click on the Log Out linked text on the main menu. The web browser will logout from the setting page and displays the login page automatically. [Important] If you check the "Save this password" item at the login page, the saved password will be cleared when logout is performed.

Page 29: Date/Time Setting

Date/Time Setting Set present date and time by using the pull down menu buttons and press each Set button. Confirm that the date and time are set correctly. The displayed date and time are not updated automatically, press the Refresh but- ton to get the current date and time.

Page 30: Temperature Unit Setting

Basic Setting and Operation Temperature unit setting Change the temperature unit displayed on the Power & Status page by using the pull down menu. Centigrade : indicated with ºC Fahrenheit : indicated with ºK...

Page 31: Network Configuration

Network Configuration Click on the Network Setting linked text on the main menu. The following setting page is displayed. This page is to set the IP Address, Subnet Mask, Default gateway, DNS (Domain Name Server) and projector name. Configure the network The IP address and Subnet Mask have been configured already in chapter “Installation”.

Page 32: E-Mail Setting

Basic Setting and Operation E-mail Setting This product has an E-mail function which can send an alert message to users or an administrator if it detects an abnormality on the projector or run out of the life span of the lamp. Click on the E-Mail Setting linked text on the main menu and follow the below steps.

Page 33: Examples: Type And Contents Of Alert Mail

Condition selection for sending alert message Check the condition items under which alert messages will be sent and press the Set button. Please refer to chapter “Examples :Type and con- tents of alert messages” described on next page. Note: A free message can be sent when the lamp use time reaches the preselected lamp use time.

Page 34

Basic Setting and Operation When the internal power circuit is failed: TITLE: Message from projector 01-01-2003 00:59 Projector Model Name: XT10A/XT15A TCP/IP: 192.168.0.2 Projector Name: myProjector It sends you following massage. *The Projector lamp was turned off, because projector power circuit failed. Unplug the projector from AC outlet and ask servicing to qualified service personnel.

Page 35: Controlling The Projector

Controlling the Projector Network Unit OWNER’S MANUAL...

Page 36: Power On/Off The Projector

Controlling the Projector Power on/off the projector Click on the Power & Status linked text on the main menu. The control page will be displayed. By Pressing the On or Standby button on the page, the power of the projector can be controlled.

Page 37: Check The Status Of Projector

Check the status of projector In the "Power & Status" page, you can control the projector power, and also you can check the status of the projector as follows: Items Accumulated lamp-use time Accumulated projector-use time Power status Projector condition Input status Internal temperature The icons [A], [B] and [C] rep-...

Page 38: Control The Projector

Controlling the Projector Control the projector Click on the Control linked text on the main menu. The control menu will be displayed on the lower side of the page. When you click each control icon, the control page is displayed according to the control menu you selected. Please see the owner's manual of the projector to have the further information of each con- trol item.

Page 39: Pc Adjustment

PC Adjustment This function is to adjust the signal from the computer connected to the projector to obtain the proper picture image on the screen. The available parameters and operation are listed below. Adjustment Items Operation Auto PC adjustment Press the Start button to start automatic adjustment. Fine sync Press the - or + button repeatedly to adjust the fine sync.

Page 40: System Adjustment

Controlling the Projector SYSTEM Adjustment This function is to select the color system of video signal or scanning sys- tem of component signal input to the projector. Select a system with the radio buttons to match the color system or scanning system of input source, and then press the

Set button.

Page 41: Image Adjustment

Image Adjustment This function is to adjust the projected picture image and set the image mode. For selection of image mode, select desired image mode among the "Standard", “Real”, "Cinema", "Image1", "Image2", Image3" and "Image4" with the "Image Adjustment Mode" pull down button and then press the Set button.

Page 42: Sound Adjustment

Controlling the Projector Screen Adjustment This function is to adjust the screen mode of the projector. The setting items are switched automatically according to selected input mode, com- puter or video input. The adjustment items and operation are listed below. Adjustment items Operation Aspect...

Page 43: Setting

Setting This function is to set up the projector. The value next to each setting rep- resents the current status or mode. The setting items and operation are listed on the next page. Control the projector Check if High speed control mode.

Page 44

Controlling the Projector The setting items and their operations are listed below. Setting items Operation Language Select the language used in the on-screen menu of the projector. Select your desired language with the pull down menu button, and then press the Set button. Keystone Correct the distortion of the projected image with the Left, Right, Up and Down buttons.

Page 45: How To Set The Timer

How to set the Timer This function is used to turn the projector off or on at a preselected day/date and time. Follow the below steps for setting. selection Date selection Select a day or date To set the timer event at same time everyday, select "day"...

Page 46: Cancel The Timer

Controlling the Projector Getting the current time The displayed time is the value set when the setting page was displayed. This time value is not updated automatically. To update the display time press the Refresh but- ton. Notes on timer setting Up to 10 timer events can be registered.

Page 47: Service

Service This function sets the cooling fan speed of the projector. Set proper fan speed depending on the installation environment. Adjustment Operation Fan Control Speed Select the Max or Normal with radio buttons and then press the Set but- ton. Control the projector Network Unit OWNER’S MANUAL...

Page 48: Save Actual Adjustment

Controlling the Projector Save Actual Adjustment This function is to save and load the control values of the projector. The storable control items are Input, PC, System, Image and Screen controls, and these control items differ from each selected input mode and functions of the projector you use.

Page 49: Control The Projector's Menu

To load the control set Display the Load Setting No. on upper part of the page. Select your desired set num- ber with the pull down menu button and then press the Set button. The setting val- ues of the selected set number are applied to the current settings. Control the projector's menu Click on the Display Menu on the main menu.

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Controlling the Projector...

Page 51: Controlling The Multi-Projectors

Controlling the Multi-Projectors Network Unit OWNER’S MANUAL...

Page 52: Multi-Control

Controlling the Multi-Projectors Multi-Control This function enables control of multiple projectors equipped with the Network Units that are connected to the network at the same time. Click on the Multi Control linked text on the main menu to display the control page. Note: To control the multiple projectors, each projector must have the same password.

Page 53: Exclude/Add The Projectors From/Into The Multi-Control

[Note] *1 If the JavaScript setting of the web browser is set “JavaScript Disable”, The registered pro- jector name will not be listed on the Change a Projector” sub menu, Please change the JavaScript setting. See chapter “Web browser setting/Active Script (JavaScript enable)” on page 68 for further instructions.

Page 54: Load And Apply The Setting Value

Controlling the Multi-Projectors Load and apply the setting value The control sets saved for each projector (p. 48) can be used while the multi-con- trolled projectors function is being used. Select a setting number from the item Load Setting No. with the pull down menu button and then press the Set button. The con- trol values stored with selected set number for each projector will be applied to the individual projector assigned to that set.

Page 55 Status If some of the registered projectors are deactivated by some means (such as discon- necting the power source, disconnecting the LAN cable, disconnecting from the net- work), control changes will continue to be effective for the projectors that are still activated.

Page 56: Selection Of Another Projector

Controlling the Multi-Projectors Selection of another projector When you register the projectors for the multi-control, the IP addresses of the regis- tered projectors are listed on the "Change a Projector" menu on the lower left side of the page. If each projector has a name, the projector name is indicated instead of the IP address.

Page 57: Use Of Serial Port

Use of Serial Port Network Unit OWNER’S MANUAL...

Page 58: Serial Port Setting

Use of Serial Port This product provides with a serial control port (RS-232C) to control the external equipment which has an RS-232C port. This function allows exter- nal equipment to be controlled by the computer through the network and the projector can be controlled by the external serial controller. Before con- necting the external equipment, perform the setting “Serial port setting”...

Page 59 Setting to control the equipment connected to the serial port from the computer Serial Control :Selects “External” Port :Sets according to the com- puter specified port no. Do not use port no. 10000* :Sets according to the com- Other Settings munication condition of the equipment Setting to control the projector from the serial controller con-...

Page 60: Control Examples

Use of Serial Port Control Examples Example 1 Controlling AV equipment through network DVD Player RS-232C serial cable Example 2 Controlling a projector which is not on the network function through network. RS-232C serial cable...

Page 61 Example 3 Controlling the projector with the serial controller through the serial port (RS-232C). When connecting the peripheral equipment to this Network Unit, you should notice the type of serial cables. This product provides a reverse (cross) type of serial port. When connecting the peripheral equipment, please use an optimum serial cable according to the polarity of the port on the equipment.

Page 62: Use Of Telnet

Use of Serial Port Use of Telnet The following is a control example of external equipment connected to this product by using the telnet application* needed to use commands* Preparation Disconnect AC plug from the projector and connect an external equipment to the extra serial port with an RS-232C serial cable.

Page 63 The following window will appear. Type as follows and then press the Connect button. When communication is established, the word "PASSWORD:" appears on the win- dow. Type the login password* for the projector and then press the "Enter" key on the keyboard.

Page 64: Control The Projector With Telnet

Use of Serial Port Control the projector with Telnet This product allows you to control the projector by using the Telnet application. Normally, it is used to control the external equipment connected to the serial port and also control the projector itself by specifying the telnet port no.10000. Specify port no.

Page 65: Appendix:a

Appendix:A Connection examples Web browser setting Technical data Network Unit OWNER’S MANUAL...

Page 66: Examples Of Connection

Appendix Examples of Connection Peer-To-Peer connection Connect the projector (PJ01) to the control computer (PC05) directly Projector Name: PJ01 IP Address : 192.168.0.2 Subnet Mask : 255.255.255.0 Default Gateway : 0.0.0.0 : 0.0.0.0 Connect the projector (PJ01) to the control computer (PC05) via the hub. Projector Name: PJ01 IP Address : 192.168.0.2...

Page 67: The Gateway (Router) Installed In The Network

The gateway (Router) installed in the network Connect the projector (PJ01) to the control computer (PC05) via the gateway. Theater Projector Name: PJ01 IP Address : 192.168.200.15 Subnet Mask : 255.255.255.0 Default Gateway : 192.168.200.1 : 192.201.1.5 Network Group: 192.168.200.0 To another network Office Computer Name: PC05...

Page 68: Web Browser Setting

Appendix Web browser setting This product is designed enable the projector to be set up and controlled from an Internet web browser. Depending on the preference settings of the web browser, some control functions may not be available. Please make sure that the following functions are set up properly in the web browser.

Page 69: Setting Examples: Os/Browsers

Appendix Setting examples: OS/Browsers Windows 95/98 Internet Explorer v.5.5 Cookies setting Select the Internet Options menu from the Tool menu on the web browser and then select Security tab and press the Customize Level... button. On the security setting window, scroll down and find the Cookies item, make sure that the “Enable”...

Page 70 Appendix Proxy setting Select the Internet Options menu from the Tool menu on the web browser and then select Connection tab and press the LAN Settings button. Properly set up your web browser's the proxy server settings according to the local area network environment to which the projec- tor is connected.

Page 71 Appendix Netscape Navigator v.4.7 Cookies setting Select the Preference menu from the Edit menu on the web browser and then select the item Advanced in the Category column. Make sure that the Allow all cookies is checked in the Cookies column. JavaScript Setting Select the Preference menu from the Edit menu on the web browser and then select the item Advanced in the Category column.

Page 72 Appendix Proxy setting Select the Preference menu from the Edit menu on the web browser and then select the item Advanced/Proxies in the Category column. Properly set up your web brows- er's the proxy server settings according to the local area network environment to which the projector is connected.

Page 73: Mac Os 8.6

Appendix Mac OS 8.6 Internet Explorer v.5.0 Cookies setting Select the Preference menu from the Edit menu on the web browser and then select Cookies under the Receiving Files heading the preference settings window. Make sure that the Never ask is selected in the item When receiving cookies. ActiveScript setting Select the Preference menu from the Edit menu on the web browser and then select Web Content under the Web Browser heading the preference settings window.

Page 74 Appendix Proxy setting Select the Preference menu from the Edit menu on the web browser and then select Proxies under the Network heading the preference settings window. Properly set up your web browser's the proxy server settings according to the local area network envi- ronment to which the projector is connected.

Page 75 Appendix Netscape Navigator v.4.7 Cookies setting Select the Preference menu from the Edit menu on the web browser and then select the item Advanced in the Category column. Make sure that Accept all cookies is checked in the Cookies column. JavaScript Setting Select the Preference menu from the Edit menu on the web browser and then select the item Advanced in the Category column.

Page 76 Appendix Proxy setting Select the Preference menu from the Edit menu on the web browser and then select Proxies under the Advanced heading in the Category column. Properly set up your web browser's the proxy server settings according to the local area network environ- ment to which the projector is connected.

Page 77: Product Specification

Product specification Type ...PJ-Net Organizer LAN interface ...Applicant regulation IEEE802.3 (10Base-T) Network protocol ...TCP/IP specification Serial interface ...RS-232C Baud rate Flow control Parity check Terminal Computer RGB input ...(VGA) HDB 15-pin Terminal Power source ...Supplied from the projector Power consumption ...3.0 watts Dimensions (W x H x D)...6.35”...

Page 78: Port Specification

Appendix Port Specification LAN port specification 8-pin modular connector (RJ-45) 1 2 3 4 5 6 7 8 pin No. Serial port specification D sub 9-pin connector (RS-232C) Pin No. Signal (not used) (not used) (not used) (not used) Signal Ground (not used) Function...

Page 79 Computer Input port specification HDB 15-pin connector (VGA) Pin No. Signal MONITOR ID2 GND(H) GND(R) GND(G) GND(B) GND(V) MONITOR ID0 DDC DATA DDC CLK Appendix Function R input G input B input MONITOR ID2 Ground(Horiz.) Ground(R) Ground(G) Ground(B) 5V Power Supply Ground(Vert.) MONITOR ID0 DDC Data...

Page 80 Appendix...

Page 81: Appendix:b

Appendix:B Network Unit OWNER’S MANUAL...

Page 82: Faq

Appendix Installation/Access Why doesn’t the setting page appear in my web browser? Following causes are possible. Please check them. 1. The projector does not connect to the network. Check LED indicators status (p.11). - Check the connection of LAN cable if the LINK indicator does not illuminate orange.

Page 83 3. Enter the projector’s IP address [192.168.0.2] at the “Address” column on the Web browser. [Note] Make sure that the proxy setting of your web browser is set “Not use a proxy server”. See further information on page 68. 4. If the login page appears, this product is operating properly. The problems may be in the network configuration of the computer or in the network.

Page 84 Appendix How can I install several projectors equipped with the Network Unit? Install and configure network one by one to avoid the IP address collision each other (p.24). To configure the IP address please see chapter “Network configuration”(p.15). How many projectors can I control with multi-control function? It has been designed to control up to 100 sets but it depends on the network environment.

Page 85 Can I register the setting page as a web browser “Favorites” or “Bookmarks”? Please add the “Login” page to your “Favorites” or “Bookmarks”. Do not add the specified setting page because it will not be able to perform the password authentication correctly.

Page 86 Appendix Operation Why can't I change the controls in the setting page with web browser? Please make sure the projector is turned on. If it is in the standby mode, the setting is not effective to the projector. To control the projector with a web browser, the projector must be

in the powered-on condition.

Page 87 Why am I not receiving E-mail alert messages? Make sure that the registered E-mail address and SMTP server address are cor- rect. If the SMTP server is located in your LAN (Local Area network), the address should be set to the SMTP server in your LAN. The SMTP server locat- ed outside of your LAN may not be available for security reason.

Page 88 Appendix What are the rules for IP address assignment? If the network is constructed with TCP/IP protocol, a unique IP address is required for each piece of network equipment. The following are basic rules of the assignment. Rule1 Do not configure the same IP address to the network equipment in the same network group.

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