



Sanyo PJ-Net Organizer POA-PN30 Owner's Manual

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Lonworks interface: building maintenance integration (1 page)

[Network Hardware Sanyo VSP-SV2000P Instruction Manual](#)

Sanyo vsp-sv2000p network video server instruction manual (64 pages)

Summary of Contents for Sanyo PJ-Net Organizer POA-PN30

[Page 1](#) PJ-Net Organizer POA-PN30 MODEL No. P J - N a n i z O r g L I N A C T OWNER'S MANUAL...

[Page 2](#) Trademarks 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. Internet Explorer is a registered trademark of Microsoft Corporation.

[Page 3](#) It may cause fire or an accident depending on the change of environment. CAUTION SANYO Electric Co., Ltd. assumes no responsibility for the loss or damage of data or damage of the computer caused by using this product. The CE Mark is a Directive conformity mark of the European Community (EC).

[Page 4: Table Of Contents](#)

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[Page 7: Chapter 1 Preparation](#)

Chapter 1 Preparation Describes features and operating environment of this product. PJ-NET ORGANIZER OWNERS'S MANUAL...

[Page 8: Features](#)

Chapter 1 Preparation Features Web Management function (☞p.37) With this function, you can monitor projection monitor functions such as power status, lamp status, input mode, signal condition, lamp-use time, etc. through the network by using the web browser Turn on PJ2. installed on your computer.

[Page 9](#) Features Multi-control function (☞p.53) A single computer can control and set up the multiple projection monitors at the same time. Select Input 2 for PJ1 to PJ4 Automatic On/Off using Clock function (☞p.49) Automatically turn on or off the projection monitors at specified time ready to turn ON, and select Input 3 (Video)

[Page 10: Operating Environment](#)

Chapter 1 Preparation Operating environment To perform the managing and setting up the projection monitor using this product, the environment described below is required. Operating System Standard mode* : Windows 98, Windows Me, Windows 2000, Windows NT4.0 SP6, Windows XP Network Network must handle Ethernet correctly and accept TCP/IP protocol.

[Page 11: Before Use](#)

Operating environment The limitation of connection between this product and hub or computer Suitable LAN cables are limited by length and type as follows; Connection Type of usable LAN cable Maximum length Network Unit - Hub UTP Straight Cable with category 3 or 5 * 100m Network Unit - Computer UTP Cross Cable with category 3 or 5*...

[Page 12](#) Chapter 1 Preparation...

[Page 13: Chapter 2 Installation](#)

Chapter 2 Installation Describes how to install the Network Unit, and configure the network. PJ-NET ORGANIZER OWNER'S MANUAL...

[Page 14: Flow Of Installation](#)

Chapter 2 Installation Flow of installation The following are instructions for attaching this product to the projection monitor and connecting it to the network. Please review the entire procedure to become familiar with it. Function of the Network Unit (☞ p.15) Explains the name and functions of each part of the Network Unit.

[Page 15: Name And Function Of Each Part](#)

Name and function of each part [1] Name and function of each part Serial port Used to control the external equipment via the network. (☞ p.59) LAN port Connecting the LAN cable. (Top View) (☞ p.17) Power indicator This lights up red when the network function is set ON in the projection monitor menu.

[Page 16: Installation And Network Configuration](#)

Chapter 2 Installation [2] Installation and network configuration Mounting Disconnect the AC plug from the projection monitor. Option connector Insert plug on this product to the option connector. P J - N a n i z o r g L I N A C T Tighten two screws by using a coin etc.

[Page 17: Connection Of Lan Cable](#)

Installation and network configuration Connection of LAN cable To connect to the network, it is required to use the UTP (Unshielded Twisted Pair) straight 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 18: Network Configuration](#)

Chapter 2 Installation Network configuration Confirmation of the network menu When installing this product to the projection monitor, 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 item "Mounting" (☞ p.16). Configure the network Before performing the network configuration, prepare network address numbers (IP Address, Subnet Mask, Default Gateway, DNS) assigned to the projection monitor.

[Page 19](#) Installation and network configuration Configuration for IP Address/ Sub net/ Gateway*/DNS* Press MENU button to display the menu. Select network menu and then select "Network setting" sub menu. To display the network setting window, press SELECT button. Enter the specified network address by using the pointer buttons (▲, ▼,7,8) on the projection monitor or the remote control.

[Page 20: Network Pin Code Setting](#)

Chapter 2 Installation Network PIN code setting The network PIN code can be set to restrict access to the setting page of the projection monitor using the web browser. * Default network PIN code [0000] means no network PIN code is set. Displaying network PIN code menu Select

network menu and then select "Net work PIN code"...

[Page 21: Notice About System Construction](#)

Installation and network configuration Notice about system construction For installation of multiple projection monitors into the same network with Network Unit. Do not install multiple projection monitors with Network Units that have their default network 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 22](#) Chapter 2 Installation...

[Page 23: Chapter 3 Basic Setting And Operation](#)

Chapter 3 Basic Setting and Operation Describes basic operations and settings for controlling the pro- jection monitor by using the web browser. It is required that computer and projection monitor is connected to the network and the network address is properly configured. PJ-NET ORGANIZER OWNER'S MANUAL...


[Page 24: Login The Setting Page Of The Projection Monitor](#)

Chapter 3 Basic Setting and Operation Login the setting page of the projection monitor Enter the IP address Launch the web browser installed in your computer, enter the IP address into the "Address" on the browser and then press "Enter" key. Enter the address (192.168.1.201) that you configured in item "Network con- figuration"...

[Page 25: Display Of Main Setting Page](#)

Login the setting page of the projection monitor Display of main setting page The following main setting page will be displayed according to your display mode selection. Perform various kinds of settings through this page. Click on the menus to display the control and setting pages. Main setting page in the Standard Mode display Clock display Display on or off by...

[Page 26: How To Use The Setting Page](#)

Chapter 3 Basic Setting and Operation Main setting page in the Light Mode display Sub menu tab Page numbers Returns to the display mode Setting page Returns to main menu selection page. Main menu  The blank page appears if your PDA does not provide Displays setting page a Macromedia Flash Player.

[Page 27](#) How to use the setting page Type of the setting pallet Text box setting Enter a numeric number or text and then click but- ton. Change a value with ▲ or ▼ button and then click but- ton. The value changes quickly when keeping pressing ▲...

[Page 28: Initial Setting](#)

Chapter 3 Basic Setting and Operation Initial setting Initial Setting Power & Status After installing this product to the projection monitor, per- form the following basic initial setting. PC Adj. Click Initial Setting on the main menu to display the initial Control setting page.

[Page 29: Network Pin Code Setting](#)

Initial settings Network PIN code setting This page is to set the network PIN code to restrict the access from an unauthorized person through the network. Enter a 4-digit numeric number as the network PIN code onto the text box and click Set button.

[Page 30: Network Configuration](#)

Chapter 3 Basic Setting and Operation Network configuration Initial Setting Power & Status Click Network on the main menu. The following setting page is displayed. This page is to set the IP Address, Subnet PC Adj. Mask, Default Gateway, DNS (Domain Name Server) and Control projection monitor name.

[Page 31: E-Mail Setting](#)

E-mail setting E-mail setting Initial Setting Power & Status This product has an E-mail function which can send an alert message to users or an administrator if it detects an abnor- PC Adj. mality on the projection monitor or run out of the life span Control of the lamp.

[Page 32](#) Chapter 3 Basic Setting and Operation Registering and deleting E-mail addresses
Type the E-mail address onto the Mail Address text box and click Set button. To check the registered addresses, click Mail Address Check & Delete sub menu tab. The addresses are listed as the figure on the right.

[Page 33: Examples: Type And Contents Of Alert Mail](#)

E-mail setting Examples: Type and contents of alert mail When the projection monitor has an abnormality, the following alert messages are sent to the registered E-mail address according to your selected condition. Administrator or user can take an efficient action quickly by receiving this message. This is very useful to maintain and service the projection monitor.

[Page 34](#) Chapter 3 Basic Setting and Operation ● When the life span of lamp terminated:
TITLE: Message from PJ monitor 11-03-2004 00:59 PJ monitor Model Name: model name TCP/IP: 192.168.1.201 PJ monitor Name: Proj_05 It sends you following message. *The life span of lamp is reached. ☺...

[Page 35: Snmp Setting](#)

SNMP setting SNMP setting Initial Setting Power & Status This product provides a SNMP (Simple Network Management Protocol) agent function. The SNMP consists of a manager PC Adj. and agents. The group which communicates information Control each other with SNMP is called "Community". There are two Setting access modes in a community, Refer (read only) and Set (read- write).

[Page 36](#) Chapter 3 Basic Setting and Operation Trap check/delete Check and delete the trap address Checking the registered trap address and deleting the address. To delete the address, tick check box in front of the IP address and click Delete button. Trap option Trap option setting Tick check boxes in front of the condition item to send...

[Page 37: Chapter 4 Controlling The Projection Monitor](#)

Chapter 4 Controlling the Projection Monitor Describes controlling and setting of the projection monitor by using the web browser. PJ-NET ORGANIZER OWNSEER'S MANUAL...

[Page 38: Power Control And Status Check](#)

Chapter 4 Controlling the Projection Monitor Power control and status check Initial Setting Power & Status Click Power & Status on the main menu. The control page PC Adj. will be displayed. Control By clicking ON or Standby button on the page, the power of Setting the projection monitor can be controlled.

[Page 39](#) Power control and status check About projection monitor condition Status Description Normal.....Projection monitor is operating normally. Power management in operation..Power management is operating Lamp failure.....Lamp failure is occurring Abnormal TemperatureThe temperature of the projection monitor became too high Cooling down after Abnormal Temp..... Projection monitor detects abnormal temp. and is cooling down itself.

[Page 40: Controls](#)

Chapter 4 Controlling the Projection Monitor Controls Initial Setting Power & Status Click Control on the main menu. The setting method differs depending on the contents of the page. Click on the page PC Adj. number to change pages and select desired setting items. Control ☺...

[Page 41: System](#)

Controls System This function is to select the system of signal input to the projection monitor. The available system mode are listed on the pull-down menu button according to the input signal. Select a system and then click Set button. Available selection when the Computer[Analog] input Item Description...

[Page 42: Image Adjustment](#)

Chapter 4 Controlling the Projection Monitor Image adjustment This function is to adjust the projected picture image and save the image mode. To store the adjusted value, click Store button, and to load the adjusted value, click Load button. Item Description ContrastAdjusts picture contrast (-31~ 31) Brightness ..Adjusts picture brightness (-31~ 31)

[Page 43: Sound](#)

Controls Sound This function is to adjust the sound of the projection monitor. The values in the text box represent the current control value or status. Item Description Audio system .Select an audio system [Music, Talk, Normal, Personal] from the pull-down menu and click Set button.

[Page 44: Pc Adjustment](#)

Chapter 4 Controlling the Projection Monitor PC adjustment Initial Setting Power & Status This function is to adjust the signal from the computer connected to the projection monitor to obtain the proper picture PC Adj. image on the screen. Control Setting E-mail Setting...

[Page 45: Setting Up The Projection Monitor](#)

Setting up the projection monitor Setting up the projection monitor Initial Setting Power & Status This function is to set up the projection monitor. Select the sub menu [Screen setting] or [Setting] and then set up each PC Adj. setting. Control Setting E-mail Setting...

[Page 46](#) Chapter 4 Controlling the Projection Monitor Item Description Power management..Sets into the selected power management mode (OFF , Ready or Shut down) if the input signal is interrupted and no control key is pressed for the specified period of time. *The specified time can be set 1 to 30 min.

[Page 47: Save The Controls And Settings](#)

Save the controls and settings Save the controls and settings Initial Setting Power & Status This page is to save and load the controls and settings of the projection monitor in the block. The storable items are PC Adj. "PC adjustment", "Control" and "Setting". Control Setting E-mail Setting...

[Page 48: Check The Saved Items](#)

Chapter 4 Controlling the Projection Monitor Check the saved items Click Check button to check the current setting condition of the controls. Each item of "PC adj.", "Control" and "Setting" is displayed sequentially. Click Stop button to cancel the auto page display. Load a control set Select a set...

[Page 49: Timer Setting](#)

Timer setting Timer setting Initial Setting Power & Status This page is to set the timer to turn the projection monitor off or on at a programmed day/date and time. Follow the PC Adj. steps below for setting. Control Click Timer on the main menu. Setting E-mail Setting Save...

[Page 50: Check The Timer Events](#)

Chapter 4 Controlling the Projection Monitor Set an execute time Type the time with (Hour:Minute) and 24 hours format. Ex.: Type [18:25] if you specify [PM 6 o'clock and 25 minutes]. Select an event action Select an event action from the pull-down menu. Event Action ON.....Turns on the projection monitor...

[Page 51](#) Timer setting Notes on timer setting ⚠ Up to 10 timer events can be registered. Timer events always operate according to the next valid event depending on the projection monitor's power status. In the example below, event 3 turns on the projection monitor so next event 4 (also turning on projection monitor) will not be effective because the projection monitor is already turned on.

[Page 52: Projection Monitor Information](#)

Chapter 4 Controlling the Projection Monitor Projection monitor information Initial Setting Power & Status This page is to display the basic information of the projection monitor status. Click Information on the main menu. PC Adj. Control Setting E-mail Setting Save Network Multi Control...

[Page 53: Multi-Control](#)

Multi-control Multi-control Initial Setting Power & Status Controlling and setting the multi-projection monitors Control This function enables you to control the multiple projection monitors equipped with the Network Units that are connected to the network. Click Multi Control on the main menu to display the control page.

[Page 54: Start/Stop The Multi Control](#)

Chapter 4 Controlling the Projection Monitor Start/stop the multi control To start or stop controlling the multi-projection monitors, click Multi control setting menu and select ON or OFF . Multi control setting OFF ..Stops multi control function ON ..Starts multi control function. The multi control menu will appear when setting ON.

[Page 55: Register The Projection Monitor](#)

Multi-control Register the projection monitor To use the multi control function, register the IP address of the projection monitor you intend to control. Click PJ registration sub menu tab and set the IP address and Memo, then click Set button. Items Description IP address ..Enter IP address of the projection monitor to con-...

[Page 56: Change The Mode Of The Registered Projection Monitor](#)

Chapter 4 Controlling the Projection Monitor Change the mode of the registered projection monitor To change the mode of the registered projection monitor, select a mode with the pull-down menu button under the IP address of the target projection monitor and then click Set button.

[Page 57: Conf. & Change Page In The Light Mode](#)

Multi-control Conf. & Change page in the light mode Following functions in the "Conf. & Change" page are not available in the light mode. - Changing the control mode. - Deleting the registered IP address - Indicating the each status - Indicating the each memo This indicates that the mode is "Control".

[Page 58](#) Chapter 4 Controlling the Projection Monitor...

[Page 59: Chapter 5 Use Of Serial Port](#)

Chapter 5 Use of Serial Port Describes controlling the external equipment connected with the RS-232C port. PJ-NET ORGANIZER OWNSER'S MANUAL...

[Page 60: Serial Port Setting](#)

Chapter 5 Use of Serial Port This product provides a serial control port (RS-232C) to control the external equipment through the serial cable. This function allows you to control the external equipment connected to the serial port on the Network Unit through the network, and control the projection monitor through the serial cable with the external serial controller.

[Page 61: Setting Examples For The Serial Control](#)

Serial port setting Setting examples for the serial control Setting for controlling the equipment connected to the serial port from the computer. :Selects "External" Serial Control :Sets according to the computer specified port Port number no. Do not use port number 10000* :Sets according to the communication condi- Other Settings tion of the equipment...

[Page 62: Control Examples](#)

Chapter 5 Use of Serial Port Control examples Example 1 Controlling AV equipment through network. Video/Audio DVD Player LAN cable RS-232C serial cable Playback DVD Example 2 Controlling a projection monitor not provided with the network function through network. LAN cable RS-232C serial cable Turn on the PJ1.

[Page 63](#) Control examples Example 3 Controlling the projection monitor with the serial controller through the serial port (RS-232C). RS-232C serial cable Serial controller ⚠ Use proper serial cable depending on the connected equipment port specification. Please refer to "Port Specification" of the serial port specification of this product (☞ p.76). PJ-NET ORGANIZER OWNER'S MANUAL...

[Page 64: Use Of Telnet](#)

Chapter 5 Use of Serial Port Use of telnet You can control the external equipment connected to the serial port on the Network Unit by using the telnet application* installed on your computer. The following is a control example of external equipment. The telnet application is needed to use commands* which control the external equipment.

[Page 65](#) Use of telnet When communication is established, the word "PASSWORD:" appears on the window. Type the login password (PIN code) for the projection monitor and then press "Enter" key on the keyboard. If you do not set up the network PIN code, just press "Enter" ...

[Page 66: Control The Projection Monitor With Telnet](#)

Chapter 5 Use of Serial Port Control the projection monitor with telnet This product allows you to control the projection monitor by using the telnet application. Normally, it is used for controlling the external equipment connected to the serial port but it also controls the projection monitor by specifying the telnet port number 10000.

[Page 67: Chapter 6 Appendix](#)

Chapter 6 Appendix Examples of connection Web browser setting Technical data Q & A PJ-NET ORGANIZER OWNER'S MANUAL...

[Page 68: Examples Of Connection](#)

Chapter 6 Appendix Examples of connection Peer-To-Peer connection Connecting the projection monitor (PJ01) to the control computer (PC05) directly. * UTP cross cable Computer Name: PC05 Projector Name: PJ01 IP Address : 192.168.0.5 IP Address : 192.168.0.2 Subnet Mask : 255.255.255.0 Subnet Mask : 255.255.255.0 Default Gateway...

[Page 69](#) Examples of connection The gateway (Router) installed in the network Connecting the projection monitor (PJ01) to the control computer (PC05) via the gateway. Entrance hall Computer Name : PC205 IP Address : 192.168.200.5 Subnet Mask : 255.255.255.0 Default Gateway : 192.168.200.1 : 192.168.201.1 Monitor Name: PJ01 IP Address...

[Page 70: Web Browser Setting](#)

Chapter 6 Appendix Web browser setting This product is designed to enable the projection monitor 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 71: Examples: Os/Browsers](#)

Web browser setting Examples: OS/Browsers Windows XP Professional Internet Explorer v.6.0 ActiveScript setting Select Internet Options menu from Tool menu on the web browser and then select Security tab and click Customize Level... button. On the security setting window, scroll down and find the Scripting item, make sure that "Enable" is selected in item Active Scripting.

[Page 72](#) Chapter 6 Appendix Proxy setting Select Internet Options menu from Tool menu on the web browser and then select Connection tab and click LAN Settings button. Properly set up your web browser's the proxy server settings according to the local area network environment to which the projection monitor is connected.

[Page 73](#) Web browser setting Netscape Navigator v.7.0 JavaScript Setting Select Preference menu from Edit menu on the web browser and then select the item Advanced/Scripts & Plugins in the Category column. Make sure that the Enable JavaScript for Navigator is checked. PJ-NET ORGANIZER OWNER'S MANUAL...

[Page 74](#) Chapter 6 Appendix Proxy setting Select Preference menu from Edit menu on the web browser and then select the item Advanced/Proxies in the Category column. Properly set up your web browser's the proxy server settings according to the local area network environment to which the projection monitor is connected.

[Page 75: Product Specification](#)

Product specification Product specification Type.....PJ-Net Organizer (Network Unit) LAN interfaceApplicant regulation IEEE802.3 (10Base-T) IEEE802.3u (100Base-TX) Data transfer speed 10Mbps/100Mbps Data transfer mode Half duplex/Full Duplex Terminal 8-pin modular (RJ-45) Network protocolTCP/IP specification TCP/IP Serial interfaceRS-232C Baud rate 0.3/1.2/2.4/4.8/9.6/19.2/28.8/57.6/115.2 Kbps Flow control Hardware flow control (RTS/CTS, Xon/Xoff)

[Page 76: Port Specification](#)

Chapter 6 Appendix Port specification LAN port specification 8-pin modular connector (RJ-45) 1 2 3 4 5 6 7 8 Pin No. Signal Function Transfer data (+) Transfer data (-) Receive data (+) (not used) (not used) Receive data (-) (not used) (not used) Serial port specification...

[Page 77: Q&A](#)

Q&A Installation/Access Why doesn't the setting page appear in my web browser? Following causes are possible. Please check them. 1. The projection monitor does not connect to the network. Check LED indicators status (☞ p.15). - Check the connection of LAN cable if the LINK indicator does not light orange.

[Page 78](#) Chapter 6 Appendix 3. Enter the projection monitor's IP address [192.168.0.2] at "Address" column on the Web browser. [Note] Make sure that the proxy setting of your web browser is set "Not using proxy server" (☞ p.72, 74). 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 79](#) Q&A How can I install several projection monitors equipped with the Network Unit? Install and configure network one by one to avoid the IP address collision each other (☞ p.21). To configure the IP address please see item "Network configuration" (☞ p.18). How many projection monitors can I control with multi-control function? It has been designed to control up to 100 sets but it depends on the network...

[Page 80](#) Chapter 6 Appendix Operation Why can't I change the controls in the setting page with web browser? Please make sure the projection monitor is turned on. If it is in the standby mode, the setting is not effective to the projection monitor. To control the projection monitor with a web browser, the projection monitor must be in the powered-on condition.

[Page 81](#) Q&A Why am I not receiving E-mail alert messages? Make sure that the registered E-mail address and SMTP server address are correct. 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 located outside of your LAN may not be available for security reason.

[Page 82](#) Chapter 6 Appendix Can I update the firmware of the Network Unit? It is possible to update the firmware through the network. It is required to have a special tool for the updating. For further information please consult your local dealer.

[Page 83](#) Q&A 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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