Sanyo PLC-XU300A Owner's Manual

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2 Lamp Replacement

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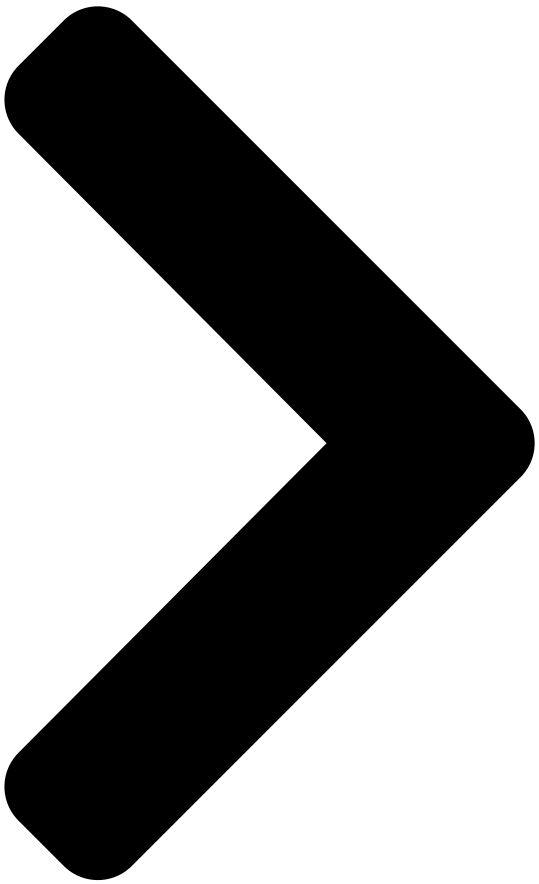
See also: Service Manual



Multimedia Projector

PLC-XU300A

MODEL

PLC-XU350A

Owner's Manual

Network Supported

Wired LAN
Refer to the Owner's Manuals below for details about network function.

Network Set-up and Operation
PJ Network Manager

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Related Manuals for Sanyo PLC-XU300A

Projector Sanyo PLC-XU350A Service Manual

Multimedia projector (114 pages)

Multimedia projector Sanyo PLC-XU300A Owner's Manual

(78 pages)

Digital projectors Sanyo PLC-XU300A Owner's Manual

(58 pages)

Software Sanyo PLC-XU300 - XGA LCD Projector Owner's Manual

Pj network manager for windows (32 pages)

Projector Sanyo XU300A Specification Sheet

Ultra portable multimedia projector (2 pages)

Projector Sanyo PLC-XU355A Brochure & Specs

Ultra portable multimedia projector (2 pages)

Projector Sanyo XGA ULTRAPORTABLE MULTIMEDIA PROJECTOR PLC-XU300 Specifications

Xga ultraportable multimedia projector (1 page)

Projector Sanyo PLC-XU300A Dimensional Drawing

Sanyo plc-xu300a projector dimensional drawing (1 page)

Projector Sanyo PLC-XU350A - 3500 Owner's Manual

Network set-up and operation (58 pages)

Projector Sanyo PLC-XU350/350A Specification Sheet

3500 ansi lumens xga ultraportable multimedia projector (1 page)

Projector Sanyo PLC-XU300 Owner's Manual

Sanyo projector user manual (79 pages)

Projector Sanyo PLC-XU3001 Owner's Manual

3000 ansi lumen, xga (137 pages)

Projector Sanyo PLC-XU3001 Owner's Manual

Wired setting projector set-up and operation (58 pages)

Projector Sanyo PLC-XU300A - 3000 Lumens Manual

Expand serial command functional specifications (67 pages)

Projector Sanyo PLC-XU300 Command List

Sanyo plc-xu300/350 ir command list (1 page)

Projector Sanyo PLC-XU350 Service Manual

(110 pages)

Summary of Contents for Sanyo PLC-XU300A

Page 1 Multimedia Projector Network Supported Wired LAN Refer to the Owner's Manuals

below for PLC-XU300A MODEL details about network function. Network Set-up and Operation PLC-XU350A PJ Network Manager Owner's Manual...

Page 2: Features And Design

Features and Design This Multimedia Projector is designed with the most advanced technology for portability, durability, and ease of use. This projector utilizes built-in multimedia features, a palette of 16.77 million colors, and matrix liquid crystal display (LCD) technology. Compact Design Security Function This projector is designed compact in size and weight.

Page 3: Table Of Contents

Table of Contents Features and Design ....2 Manual PC Adjustment Image Mode Selection Table of Contents ..... .3 Image Adjustment To the Owner.

Page 4: To The Owner

To the Owner Before installing and operating this projector, read this Safety Precaution manual thoroughly. This projector provides many convenient features and WARNING: THIS APPARATUS MUST BE EARTHED. functions. Operating the projector properly enables TO REDUCE THE RISK OF FIRE OR you to manage those features and maintains it in good ELECTRIC SHOCK, DO NOT EXPOSE THIS condition for many years to come.

Page 5: Safety Instructions

Safety Instructions All the safety and operating instructions should be read Do not install the projector near the ventilation duct of before the product is operated. air-conditioning equipment. Read all of the instructions given here and retain them This projector should be operated only from the type for later use.

Page 6: Air Circulation

Safety Instructions Installing the Projector in Proper Position Air Circulation Openings in the cabinet are provided for ventilation. To Install the projector properly. Improper Installation may reduce the lamp life and cause a fire hazard. ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked Do not tilt the projector more than 20 or covered.

Page 7: Compliance

Model Number : PLC-XU300A, PLC-XU350A Trade Name : Sanyo Responsible party : SANYO NORTH AMERICA CORPORATION Address : 21605 Plummer Street, Chatsworth, California 91311 Telephone No. : (818)998-7322 AC Power Cord Requirement The AC Power Cord supplied with this projector meets the requirement for use in the country you purchased it.

Page 8: Part Names And Functions

Part Names and Functions Infrared Remote Receiver Front Zoom Ring Focus Ring Projection Lens Lens Cap (See page 61 for attaching.) CAUTION Do not turn on a projector with lens cap attached. High temperature from light beam may damage lens cap and result in fire hazard.

Page 9: Rear Terminal

Part Names and Functions Rear Terminal CONTROL PORT AUDIO OUT (VARIABLE) When the projector is controlled by a computer, Connect an external audio amplifier to this jack connect to this jack with serial control cable. (pp.14-16). This terminal outputs sound from AUDIO IN COMPUTER IN 1 / COMPONENT IN terminal (Connect output signal from a computer, RGB scart...

Page 10: Top Control

Part Names and Functions Top Control SELECT button AUTO SETUP button – Execute the selected item (p.21). Execute the setting of Auto setup (includes Input – Expand or compress the image in the Digital zoom search, Auto PC adj. and Auto Keystone functions) mode (p.36).

Page 11: Remote Control

Part Names and Functions Remote Control ON/STAND-BY button Turn the projector on or off. (pp.18-20) AUTO SET button Execute the setting of Auto setup (includes Input search, Auto PC adj. and Auto Keystone functions) in the setting menu. (pp.23, 45) COMPUTER 1/2 buttons

Select the COMPUTER 1 or COMPUTER 2 input source.

Page 12: Remote Control Battery Installation

Part Names and Functions Remote Control Battery Installation Open the battery Install new batteries Replace the compartment lid. into the compartment. compartment lid. Two AAA size batteries For correct polarity (+ and –), be sure battery terminals are in contact with pins in compartment.

Page 13: Installation

Installation Positioning the Projector For projector positioning, see the figures below. The projector should be set perpendicularly to the plane of the screen. Note: • The brightness in the room has a great influence on picture quality. It is recommended to limit ambient lighting in order to obtain the best image.

Page 14: Connecting To A Computer

Installation Connecting to a Computer Cables used for connection • VGA Cables (Mini D-sub 15 pin) * • Audio Cables (*One cable is supplied; other cables are not supplied with the projector.) Audio Output Monitor Output Monitor Output Monitor Input External Audio Equipment cable cable...

Page 15: Connecting To Video Equipment

Installation Connecting to Video Equipment Cables used for connection • Video and Audio Cable (RCA x 3) • S-VIDEO Cable • Audio Cable (Cables are not supplied with the projector.) External Audio Equipment Video and Audio Output Audio Input (Video) S-Video Output Video and audio cable...

Page 16: Connecting To Component Video Equipment

Installation Connecting to Component Video Equipment Cables used for connection • Audio Cables • Scart-VGA Cable • VGA Cable • Component Cable • Component-VGA Cable (Cables are not supplied with this projector.) RGB Scart 21- Component Video Output Monitor Input Audio Output pin Output (Y, Pb/Cb, Pr/Cr)

Page 17: Connecting The Ac Power Cord

Installation Connecting the AC Power Cord This projector uses nominal input voltages of 100-120 V or 200–240 V AC and it automatically selects the correct input voltage. It is designed to work with single-phase power systems having a grounded neutral conductor. To reduce the risk of electrical shock, do not plug into any other type of power system.

Page 18: Basic Operation

Basic Operation Turning On the Projector Complete peripheral connections (with a computer, VCR, etc.) before turning on the projector. Connect the projector’s AC power cord into an AC outlet. The POWER indicator lights red. Open the lens cap (see pages 8, 61). Press the ON/SYAND-BY button on the top control or on the remote control.

Page 19

Basic Operation Enter a PIN code Use the Point buttons to enter a number. Press the PIN Code Input Dialog Box Point button to fix the number and move the red frame pointer to the next box. The number changes to “ ”. If you fixed an incorrect number, use the Point button to move the pointer to the number you want to correct, and then...

Page 20: Turning Off The Projector

Basic Operation Turning Off the Projector Press the ON/STAND-BY button on the top control or on the remote control, and Power off? appears on the screen. Press the ON/STAND-BY button again to turn off the projector. The POWER indicator starts to blink red, and the cooling fans keep running.

Page 21: How To Operate The On-Screen Menu

Basic Operation How to Operate the On-Screen Menu The projector can be adjusted or set via the On-Screen Top Control Menu. The menus have a hierarchical structure, with a main menu that is divided into submenus, which are further divided into other submenus. For each adjustment and setting procedure, refer to respective sections in this POINT buttons

(arrowhead)

Page 22: Menu Bar

Basic Operation Menu Bar For detailed functions of each menu, see “Menu Tree” on pages 68-69. Main Menu Sub-Menu Input Used to select an input source from Computer 1, Computer 2 ,Video or S-video . (pp.27-28,37-38). PC adjust Select Fine sync, Total dots, Horizontal, Vertical, Clamp, Display area H, Display area V and Auto PC adj. to adjust the parameters to match with the PC input signal format (p.30-32).

Page 23: Zoom And Focus Adjustment

Basic Operation Zoom and Focus Adjustment Rotate the Zoom Ring to zoom in and out. Rotate the Focus Ring to adjust the focus of the image. Zoom Ring Auto Setup Function Auto setup function is provided to automatically execute the setting of Auto setup (includes Input search, Auto PC adj.

Page 24: Sound Adjustment

Basic Operation Sound Adjustment Top Control Direct Operation VOLUME+/- buttons Volume Press the VOLUME+/– buttons on the top control or on the remote control to adjust the volume. The volume dialog box appears on the screen for a few seconds. Remote Control Mute Press the MUTE button on the remote control to select On...

Page 25: Remote Control Operation

Basic Operation Remote Control Operation Using the remote control for some frequently used operations is advisable. Just pressing one of the buttons enables you to make the desired operation quickly without calling up the On-Screen Menu. COMPUTER 1/2, VIDEO, S-VIDEO and Remote Control COMPONENT buttons COMPUTER 1/2...

Page 26

Basic Operation NO SHOW button Press the NO SHOW button on the remote control to black out the image. To restore to normal, press the NO SHOW button again or press any other button. The screen changes each time you press the NO SHOW button as follows. black out normal black out...

Page 27: Computer Input

Computer Input Input Source Selection (Computer 1: RGB / Component / RGB(Scart)) Direct Operation Choose Computer 1(RGB) or Computer 1(Scart) by pressing the INPUT button on the top control or press the COMPUTER 1 button on the remote control. Before using INPUT button, correct input source should be selected through Menu operation as described below.

Page 28: Input Source Selection (Computer 2: Rgb)

Computer Input Input Source Selection (Computer 2: RGB) : RGB) RGB) Direct Operation Choose Computer 2(RGB) by pressing the INPUT button on the top control or press the COMPUTER 2 button on the remote control. Remote Control Top Control INPUT button COMPUTER 2 button Computer 1(RGB) / Computer 2(RGB)

Page 29: Computer System Selection

Computer Input Computer System Selection This projector automatically tunes to various types of computers with its Multi-scan system and Auto PC Adjustment. If a computer is selected as a signal source, this projector automatically detects the signal format and tunes to project a proper image without any additional settings. (Signal formats provided in this projector are shown on pages 71.) One of the following messages may appear when: The projector cannot recognize the connected...

Page 30: Auto Pc Adjustment

Computer Input Auto PC Adjustment Auto PC Adjustment function is provided to automatically adjust Fine sync, Total dots, Horizontal , Vertical , Clamp, Display area H and Display area V positions to conform to your computer. Menu Operation PC Adjust Menu Auto PC Adj.

Page 31: Manual Pc Adjustment

Computer Input Manual PC Adjustment Some computers employ special signal formats which may not be tuned by Multi-scan system of this projector. Manual PC Adjustment enables you to precisely adjust several parameters to match those signal formats. The projector has five

independent memory areas to store those parameters manually adjusted. It allows you to recall the setting for a specific computer.

Page 32 Computer Input Reset Mode free To reset the adjusted data, select Reset and press the SELECT button. A confirmation box appears and then select Yes. All adjustments will return to their previous figures. Mode free To clear the stored data, select Mode free and then press the Point button or the SELECT button.

Page 33: Image Mode Selection

Computer Input Image Mode Selection Direct Operation Remote Control IMAGE button Select the desired image mode among Dynamic, Standard, Real, Blackboard (Green), Colorboard, Image 1, Image 2, Dynamic Image 3, and Image 4 by pressing the IMAGE button on the remote control.

Page 34: Image Adjustment

Computer Input Image Adjustment Press the MENU button to display the On-Screen Image adjust Menu Menu. Use the Point buttons to select Image adjust and then press the Point or the SELECT button. Use the Point buttons select the desired item and then press the SELECT button to display the adjustment dialog box.

Page 35: Screen Size Adjustment

Computer Input Store To store the adjusted data, select Store and press the Point button or the SELECT button. Use the Point buttons to select one from Image 1 to 4 and press the SELECT button. A confirmation box appears and then select Yes. Stored data can be called up by selecting an Image (1–4) in the Image Mode Selection on page 33.

Page 36 Computer Input Custom Adjust the screen scale and position manually with this function. Press the Point button at Custom and the Custom is displayed on the screen, you can use the Point buttons to choose the item you want to adjust. Scale H/V ..

Page 37: Video Input

Video Input Input Source Selection (Video, S-video) Direct Operation INPUT button Top Control Choose Video or S-video by pressing the INPUT button on the top control, or the VIDEO button or the S-VIDEO button Computer 1(RGB) / on the remote control. (Component) / (RGB(Scart)) Before using INPUT button, correct input source should be selected through menu operation as described below.

Page 38: Input Source Selection (Component, Rgb Scart 21-Pin)

Video Input Input Source Selection (Component, RGB Scart 21-pin) Direct Operation Choose Computer 1(Component) or Computer 1(Scart) by pressing the INPUT button on the top control or press the COMPUTER 1 or the COMPONENT button on the remote control. Before using INPUT button, correct input source should be selected through Menu operation as described below.

Page 39: Video System Selection

Video Input Video System Selection AV System Menu (Video or S-video) Press the MENU button to display the On-Screen Menu. Use the Point buttons to select Input and then press the Point or the SELECT button. Use the Point buttons to select Video or S-video or Computer 1(Component) and then press the SELECT button.

Page 40: Image Mode Selection

Video Input Image Mode Selection Direct Operation IMAGE button Remote Control Dynamic Select the desired image mode from among Dynamic, Standard, Cinema, Blackboard (Green), Colorboard, Image 1, Image 2, Image 3, and Image 4 by pressing the Standard IMAGE button on the remote control. Cinema Menu Operation Blackboard (Green)

Page 41: Image Adjustment

Video Input Image Adjustment Press the MENU button to display the On-Screen Image adjust Menu Menu. Use the Point buttons to select the Image adjust and then press the Point or the SELECT button. Use the Point buttons select the desired item and then press the SELECT button to display the adjustment dialog box.

Page 42 Video Input Sharpness Press the Point button to decrease the sharpness of the image; press the Point button to increase the sharpness of the image (from 0 to 15). Gamma Use the Point buttons to adjust the gamma value to obtain a better balance of contrast (from 0 to 15).

Page 43: Screen Size Adjustment

Video Input Screen Size Adjustment This projector has the picture screen resize function, which enables you to customize the image size. Screen Menu Press the MENU button to display the On-Screen Menu. Use the Point buttons to select Screen and then press the Point or the SELECT button.

Page 44: Setting

Setting Setting This projector has a Setting menu that allows you to set up Setting Menu the other various functions described below. Press the MENU button to display the On-Screen Menu. Press the Point buttons to select the Setting and press the Point or SELECT button to access the submenu items.

Page 45 Setting Auto setup Auto setup This function enables Input search, Auto Keystone correction and Auto PC adjustment by pressing the AUTO SETUP button on the top control or the AUTO SET button on the remote control. Settings for those functions can be altered as follows: Input search This function detects the input signal automatically.

Page 46 Setting Keystone This function is used to store or reset the keystonecorrection Keystone when the AC power cord is unplugged. Store ..Keep the keystone correction even when the AC power cord is unplugged. Reset..Release the keystone correction when the AC power cord is unplugged.

Page 47 Setting Logo (Logo and Logo PIN code lock settings) Logo select This function allows you to customize the screen logo with Logo select, Capture, Logo PIN code lock and Logo PIN code change functions. Note: When On is selected in the Logo PIN code lock function, Logo select and Capture functions cannot be selected.

Page 48 Setting Capture This function enables you to capture an image being Capture projected to use it for a starting-up display or interval of presentations. Select Capture and press the SELECT button. A confirmation box appears and select Yes to capture the projected image.

Page 49 Setting Enter a Logo PIN code Enter a Logo PIN code Use the Point buttons to enter a number. Press the Point button to fix the number and move the red frame pointer to the next box. The number changes to “ ”. If you fixed an incorrect number, use the Point button to move the pointer to the number you want to correct, and...

Page 50 Setting Ceiling Ceiling When this function is set to On, the picture will be top/ bottom and left/right reversed. This function is used to project the image from a ceiling-mounted projector. Rear When this function is set to On, the picture will be left/right Rear reversed.

Page 51 Setting Power management Power management For reducing power consumption as well as maintaining the lamp life, the Power management function turns off the projection lamp when the projector is not operated for a certain period. Time left before Lamp is off. Select one of the following options: Ready....

Page 52 Setting On start When this function is set to On, the projector will be automatically turned on just by connecting the AC power cord to a wall outlet. Note: Be sure to turn off the projector properly (see “Turning Off the Projector” on page 20). If the projector is turned off in the incorrect sequence, the On start function does not work properly.

Page 53 Setting Lamp life control Lamp control Lamp control This function allows you to change brightness of the screen. Normal ..Normal brightness Eco.... Lower brightness reduces the lamp power consumption and extends the lamp life. Lamp life control Select the lamp operation when the total lighting time of a lamp exceeds the recommended total hours of use.

Page 54 Setting Key lock Security (Key lock and PIN code lock) This function allows you to use the Key lock and PIN code lock function to set the security for the projector operation. Key lock

This function locks the top control and remote control buttons to prevent operation by unauthorized persons.

Page 55 Setting Enter a PIN code Enter a PIN code Use the Point buttons to enter a number. Press the Point button to fix the number and move the red frame pointer to the next box. The number changes to “ ”. If you fixed an incorrect number, use the Point button to move the pointer to the number you want to correct, and...

Page 56 Setting This function provides the following options in the cooling fans’ operation when the projector is turned off (p.20). L1 ..Normal operation L2 ..Slower and lower-sound than the normal operation (L1), but it takes more time to cool the projector down.

Page 57 Setting Warning log This function records anomalous operations while the projector is in operation and use it when diagnosing faults. Up to 10 warning logs are displayed with the latest warning message at the top of the list, followed by previous warning messages in chronological order.

Page 58: Information

Information Input Source Information Display The Information Menu is used for checking the status of the image signal being projected and the operation of the projector. Direct Operation Press the INFO. button on the remote control to display the Remote Control Information Menu.

Page 59: Maintenance And Cleaning

Maintenance and Cleaning WARNING indicator The WARNING indicator shows the state of the function which protects the projector. Check the state of the WARNING indicator and the POWER indicator to take proper maintenance. The projector is shut down and the WARNING Top Control indicator is blinking red.

Page 60: Cleaning The Filters

Maintenance and Cleaning Cleaning the Filters Filter prevents dust from accumulating on the optical elements inside the projector. Should the filters become clogged with dust particles, it will reduce cooling fans’ effectiveness and may result in internal heat buildup and adversely affect the life of the projector. If a “Filter warning” icon appears on the screen, clean the filters immediately.

Page 61: Attaching The Lens Cap

Maintenance and Cleaning Attaching the Lens Cap When moving this projector or while not using it over an extended period of time, replace the lens cap. Attach the lens cap according to the following procedures. Thread the string through the hole on the lens cap and then tie a knot in the string to secure it in place.

Page 62: Lamp Replacement

Maintenance and Cleaning Lamp Replacement When the projection lamp of the projector reaches its end Top Control of life, the Lamp replacement icon appears on the screen and LAMP REPLACE indicator lights yellow. Replace the LAMP REPLACE lamp with a new one promptly. The timing when the LAMP indicator REPLACE indicator should light is depending on the lamp mode.

Page 63: Lamp Handling Precautions

Replacement lamp can be ordered through your dealer. When ordering a projection lamp, give the following information to the dealer. Model No. of your projector : PLC-XU300A, PLC-XU350A Replacement Lamp Type No. : POA-LMP131 (Service Parts No. 610 343 2069) LAMP HANDLING PRECAUTIONS This projector uses a high-pressure lamp which must be handled carefully and properly.

Page 64: Appendix

Appendix Troubleshooting Before calling your dealer or service center for assistance, check the items below once again. – Make sure you have properly connected the projector to peripheral equipment as described on pages 14-16. – Make sure all equipment is connected to AC outlet and the power is turned on. –...

Page 65 Appendix No image – Check the connection between your computer or video equipment and the projector. See pages 14-16. – See if the input signal is correctly output from

your computer. Some laptop computers may need to change the setting for monitor output when connecting to a projector.

Page 66 Appendix The image is distorted or runs off. – Check PC adjust menu or Screen menu and adjust them. See pages 31-32, 35-36. PIN code dialog box appears – PIN code lock is being set. Enter a PIN code (the “1234” or numbers at start-up.

Page 67 Appendix WARNING : High voltages are used to operate this projector. Do not attempt to open the cabinet. If problems still persist after following all operating instructions, contact the dealer where you purchased the projector or the service center. Specify the model number and explain about the problem. We will advise you how to obtain service.

Page 68: Menu Tree

Appendix Menu Tree Computer Input/Video Input Input Input Computer 1 Component RGB (Scart) Computer 2 Video S-Video Sound Sound Volume 0–63 Mute On/Off Image Select Dynamic Computer Input Standard Real System SVGA 1 Blackboard (Green) Mode 1 Colorboard Red/Blue/Yellow/Green Mode 2 Image 1 - - - - Image 2...

Page 69 Appendix Video Input Setting Setting System Auto Language 17 languages provided. 1080i Menu position 1035i Auto setup Input search Off/On1/On2 720p Auto PC adj. 575p On/Off 480p Auto keystone 575i Auto 480i Manual System Auto Keystone Store/Reset SECAM Background Blue/Black/User NTSC Display On/Countdown off/Off...

Page 70: Indicators And Projector Condition

Appendix Indicators and Projector Condition Check the indicators for projector condition. Indicators Projector Condition LAMP POWER WARNING REPLACE red/green yellow The projector is off. (The AC power cord is unplugged.) The projector is in stand-by mode. Press the ON/STAND-BY button to turn on the projector.

Page 71: Compatible Computer Specifications

Appendix Compatible Computer Specifications Basically this projector can accept the signal from all computers with the V-, H-Frequency mentioned below and less than 140 MHz of Dot Clock. When selecting these modes, PC adjustment can be limited. ON-SCREEN H-Freq. V-Freq. ON-SCREEN H-Freq.

Page 72: Technical Specifications

Appendix Technical Specifications Mechanical Information Projector Type Multi-media Projector Dimensions (W x H x D) 12.80" x 3.27" x 9.12" (326mm X 83.1mm X 231.6mm) (Not including protrusions) Net Weight 5.52 lbs (2.5 kg) Panel Resolution LCD Panel System 0.63"...

Page 73: Optional Parts

Appendix Accessories Owner’s Manual (CD-ROM) Quick Reference Guide & Safety Manual AC Power Cord Remote Control and Batteries VGA Cable Lens Cap with String PIN Code Label Network Application (CD-ROM) Soft Carrying Case The specifications are subject to change without notice. LCD panels are manufactured to the highest possible standards.

Page 74: Pj Link Notice

Appendix PJ Link Notice This projector is compliant with PJLink Standard Class 1 of JBMIA (Japan Business Machine and Information System Industries Association). This projector supports all commands defined by PJLink Class 1 and is verified conformance with PJLink Standard Class 1. For PJ Link password, see the owner’s manual of “Network Set-up and Operation.”...

Page 75: Configurations Of Terminals

Appendix Configurations of Terminals COMPUTER IN 1 /COMPONENT IN /COMPUTER IN 2/MONITOR OUT (ANALOG) Terminal: Analog RGB (Mini D-sub 15 pin) Red (R/Cr) Input/Output +5V Power/----- Green (G/Y) Input/Output Ground (Vert.sync.) Blue (B/Cb) Input/Output Ground/----- DDC Data /----- ----- Ground (Horiz.sync.) Horiz.

Page 76: Pin Code Number Memo

Appendix PIN Code Number Memo Write down the PIN code number in the column below and keep it with this manual securely. If you forgot or lost the number and unable to operate the

projector, contact the service station. PIN Code Lock No. Factory default set No: 1 2 3 4* Logo PIN Code Lock No.

Page 77: Dimensions

Appendix Dimensions Unit: mm(inch) Screw Holes for Ceiling Mount Screw: M4 Depth: 12.0(0.472) 219.4(8.64) 93.5(3.68) 232.5(9.15) 101(3.98) 55(2.17) º 12 MAX 80.5(3.17)

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KA5AE SANYO Electric Co., Ltd.

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Owner’s Manual Network Set-up and Operation Wired Setting Projector Set-up and Operation This is the manual for the Network function. Read this manual thoroughly to operate the Network function. First, read the owner's manual of the projector to understand the basic operation of the projector and the safety instructions.

Page 80: Federal Communications Commission Notice

If such changes or modifications should be made, you could be required to stop operation of the equipment. Model Numbers : PLC-XU300A, PLC-XU350A Trade Name : Sanyo Responsible party : SANYO NORTH AMERICA CORPORATION Address : 21605 Plummer Street, Chatsworth, California 91311 Telephone No. : (818)998-7322...

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CAUTION IN USING NETWORK FUNCTION SANYO Electric Co., Ltd. assumes no responsibility for the loss or damage of data, or damage of the computer caused by using this projector. Making back- up copies of valuable data in your computer is recommended.

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Table of contents Compliance .....2 Federal Communications Commission Notice .....2 Safety instructions .....3 Table of contents .....4 Chapter 1 Preparation .....5 Features.....6 Required operating environment for computers .....7 Network specifications of the projector.....7 Flow of installation.....9 Notice about installing Software CD-ROM.....9 Chapter 2 Setup Procedures.....

Page 83: Chapter 1 Preparation

Chapter 1 Preparation Describes features and operating environment of this projector.

Page 84: Features

Chapter 1 Preparation Features Web Management function (p.31) With this func tion, you can monitor projector functions such as power status, lamp s t at us , inp u t m o d e, si gnal condition, lamp-use time, etc. through the network by using the web browser installed on Turn ON PJ2...

Page 85: Required Operating Environment For Computers

Features Required operating environment for computers When operating the projector via networks, computers should meet the operating envi- ronment below. Windows 98, Windows Me, Windows NT4.0 Operating System Windows 2000, Windows XP, Windows Vista (32bit version) Mac OS X v 10.4 or later Windows: Higher than Pentium III 900MHz Recommended CPU Macintosh : 800 MHz PowerPC G4 or faster,or 1.8GHz Intel Core...

Page 86

Chapter 1 Preparation The limitation of connection between the projector and hub or computer Suitable LAN cables are limited by length and type as follows; Connection Type of usable LAN cable Maximum length Projector - Hub UTP Straight Cable with category 3 or 5 * 100m Projector - Computer UTP Cross Cable with category 3 or 5*...

Page 87: Flow Of Installation

Flow of installation Flow of installation To use the projector via the networks, follow the setup procedures below. STEP 1 Connect the LAN and set the configuration. Decide depending on the LAN environment. “2. Setup Procedures” (pp.11–16). Detailed LAN configurations need to be done with a browser later. First, complete the Wired LAN connection between computers and projec- tors, then start browser configurations.

Page 88

Chapter 1 Preparation...

Page 89: Chapter 2 Setup Procedures

Chapter 2 Setup Procedures Describes how to configure the network.

Page 90: Connecting To The Lan Line

Chapter 2 Setup Procedures Setting procedures and contents differ depending on the LAN installation location. When installing, consult your system administrator to set up the LAN appropriately. Connecting to the LAN line Connect the LAN cable to the LAN connection terminal of the projector. LAN Connection ACT Lamp (Orange) Blink orange when the...

Page 91 Network configuration 3. Select "Network setting" in the Network menu and press SELECT button, and then the LAN setting screen will appear and selected LAN settings will be displayed. Adjust each item to the setting environment. Consult your system administrator about the detailed settings.

Page 92: Network Pin Code

Chapter 2 Setup Procedures Network PIN code The Network PIN code is to restrict the access from the networks to the projector. After setting the Network PIN code, you need to enter it to operate the projector via the networks. 1.

Page 93: Network Factory Default

Network factory default Network factory default 1. Select “Network factory default” in the Network menu and press SELECT button. 2. A confirmation box appears and select "Yes" and then press SELECT button. 3. Another confirmation box appears and select "Yes" and then press SELECT button. 4.

Page 94: Wired Lan Factory Default Settings

Chapter 2 Setup Procedures Wired LAN factory default settings SELECTED LAN Parameter LAN 1 LAN 2 LAN 3 IP CONFIGURATION MANUAL DHCP MANUAL IP ADDRESS 169.254.100.100 192.168.100.100 192.168.100.100 SUBNET MASK 255.255.0.0 255.255.255.0 255.255.255.0 GATEWAY ADDRESS 255.255.255.255 255.255.255.255 255.255.255.255 DNS ADDRESS 255.255.255.255 255.255.255.255 255.255.255.255...

Page 95: Chapter 3 Basic Setting And Operation

Chapter 3 Basic Setting and Operation Describes basic operations and settings for controlling the projec- tor by using the web browser. It is required that computer and projector is connected to the network and the network address is properly configured.

Page 96: Login The Setting Page Of The Projector

Chapter 3 Basic Setting and Operation Login the setting page of the projector [1] 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 that you configured in item "Network configuration"...

Page 97: Display Of Main Setting Page

Login the setting page of the projector [3] 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 dis- play the control and setting pages.

Page 98: How To Use The Setting Page

Chapter 3 Basic Setting and Operation How to use the setting page To control and set up the projector, use the setting menus on the web browser. Describes the basic operation and procedures commonly used on this manual. Example of the setting page The setting menu appears when clicking the sub menu tab.

Page 99 How to use the setting page Radio button setting Select an item by selecting a radio button. Check box setting Select items by ticking on check boxes.

Page 100: Initial Setting

Chapter 3 Basic Setting and Operation Initial setting After installing the projector, perform the following basic initial setting. Click Initial Setting on the main menu to display the initial setting

page. Item Description Language....Switches display language on the setting page. English or Japanese. Model name ..Indicates the model name of the projector Network PIN code ..Sets the Network PIN code to login the setting page (p.23) PJLink.....Switches PJLink password authentication on or off (p.23)

Page 101: Network Pin Code Setting

Initial setting Network PIN code setting This is to set the Network PIN code to restrict the access from an unauthorized person through the network. Enter a 4-digit number as the Network PIN code onto the text box and click Set button. The projector begins restarting and it takes about 10 seconds.

Page 102: Network Configuration

Chapter 3 Basic Setting and Operation Network configuration Click Network on the main menu. The following setting page is displayed. The IP Address, Subnet Mask, Default Gateway, DNS (Domain Name Server) and projector name are set up on this menu. The IP address and Subnet Mask have been configured already in chapter "Installation".

Page 103: E-Mail Setting

E-mail setting E-mail setting This projector 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 E-mail Setting on the main menu and follow the below steps.

Page 104

Chapter 3 Basic Setting and Operation Registering and deleting E-mail addresses Click "Add address" and type the e-mail address onto the text box and click Set button. To check the registered addresses, click Check/Delete sub menu tab. The addresses are listed as the figure on the right.

Page 105: Examples: Type And Contents Of Alert Mail

E-mail setting Examples: Type and contents of alert mail When the projector has an abnormality, the following alert messages are sent to the regis- tered 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 projector.

Page 106

Chapter 3 Basic Setting and Operation When PJ lamp replacement time is reached: TITLE: Message from projector Projector Model Name: model name TCP/IP: 192.168.1.201 Projector Name: Proj05 It sends you following message. *The projector lamp has reached replacement time. Lamp ON 2000 h Replace it with a new lamp immediately and reset the lamp counter.

Page 107: Snmp Setting

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

Page 108

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. Up to 10 trap addresses can be registered.

Page 109: Chapter 4 Controlling The Projector

Chapter 4 Controlling the Projector Describes controlling and setting of the projector by using the web browser.

Page 110: Power Control And Status Check

Chapter 4 Controlling the Projector Power control and status check Click Power & Status on the main menu. The control page will be dis- played. By clicking ON or Standby button on the page, the power of the projector can be con- trolled.

Page 111

Power control and status check About projector condition Status Description Normal..... Projector is operating normally. Power management in operation... Power management is operating Lamp failure..... Lamp failure is occurring Abnormal

Temperature.....The temperature of the projector became too high Standby after Abnormal Temp..Projector detects abnormal temp. and sets into standby mode. Power failure .....

Page 112: Control

Chapter 4 Controlling the Projector Control Click Control on the main menu. The setting method differs depending on the contents of the page. Click on the page number to change pages and select desired setting items. Please see the owner's manual of the projector to have the further information of each control item.

Page 113: System

Controls System This function is to select the system of signal input to the projector. The available system mode are listed on the pull-down menu but- ton according to the input signal. Select a system and then click Set button. Available selection at the RGB input Item Description...

Page 114: Image Adjustment

Chapter 4 Controlling the Projector 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 Contrast .....

Page 115: Pc Adjustment

Controls PC adjustment Click PC Adj. on the main menu. This function is to adjust the signal from the computer connected to the projector to obtain the proper picture image on the screen. Item Description Current mode..Displays a current mode like VGA, SVGA, XGA. SXGA, UXGA, WXGA, etc. or Mode1 - Mode5 which are the customized mode created by using the "Mode Store"...

Page 116: Setting Up The Projector

Chapter 4 Controlling the Projector Setting up the projector Click Setting on the main menu. This function is to set up the projector. Select the sub menu [Screen setting] or [Setting] and then set up each set- ting. Screen setting This function is to adjust the screen mode of the projector.

Page 117: Setting 1

Setting up the projector Setting 1 Item Description Language....Sets the language display of projector's on-screen display menu. Auto setup ...Executes the Auto PC Adj, and Input Search function below according to the Start each setting after clicking button. Auto PC Adj..Sets Auto PC Adjustment mode. (ON, OFF) Input search ..Sets the auto-input signal detection mode.

Page 118: Setting 3

Chapter 4 Controlling the Projector Setting 3 Item Description Key lock....Sets the prohibition of controls either Projector or Remote control. (OFF, Projector keys, Remote control) Fan control Sets the fan control speed....Normal mode Highland mode 1 Highland mode 2 Filter counter..Displays the filter counter.

Page 119: Information

Information Information This page is to display the basic information of the projector status. Click Information on the main menu. Click this button to update the information. Items Description Input Displays selected input and source. System Displays selected signal system. Signal Input signal status (Yes, No) Screen...

Page 120 Chapter 4 Controlling the Projector...

Page 121: Chapter 5 Appendix

Chapter 5 Appendix Connection examples Use of telnet Web browser setting Technical data Q & A...

Page 122: Examples Of Connection

Chapter 5 Appendix Examples of connection Peer-To-Peer connection Connecting the projector (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 123 Examples of connection The gateway (Router) installed in the network Connecting the projector (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 Projector Name: PJ01 IP Address...

Page 124: Use Of Telnet

Chapter 5 Appendix Use of telnet You can control the projector by using the telnet application installed on your computer. Normally, the telnet application is available on your computer. * The telnet 10000 port is used to control the projector. Control (For example, in case of using the telnet (For example, in case of using the telnet...

Page 125 Use of telnet 3. When communication is established correctly, the word "PASSWORD:" appears on the window. Type the login password (Network PIN code) for the projector and then press "Enter" key on the keyboard. If you do not set up the Network PIN code, just press "Enter" key.

Page 126: Web Browser Setting

Chapter 5 Appendix Web browser setting This projector is designed 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 127: Examples: Os/Browsers

Web browser setting Examples: OS/Browsers Windows XP Professional Internet Explorer v.6.0 ActiveScript setting Select Internet Options from Tools 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"...

Page 128: Proxy Setting

Chapter 5 Appendix Proxy setting Select Internet Options from Tools 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 pro- jector is connected.

Page 129 Web browser setting Netscape Navigator v.7.1 JavaScript Setting Select Preference from Edit menu on the web browser a n d t h e n s e l e c t t h e i t e m Advanced/Scripts & Plugins in the Category column.

Page 130 Chapter 5 Appendix MAC OS X v 10.4 Safari v.3.2.1 JavaScript enable setting Selec t Preferences... from Safari on the web browser and then select S e c u r i t y t a b a n d c h e c k E n a b l e JavaScript.

Page 131: Q&A

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 projector does not connect to the network. Check LED indicators status (p.12). - Check the connection of LAN cable if the LINK Lamp does not light green. - Check the network configuration of the projector if the ACT Lamp does not blink orange.

Page 132 Chapter 5 Appendix We use the DHCP/BOOTP server to assign the IP address. Is it possible to use the projector in this network environment? Possible. This projector supports the DHCP/BOOTP server. To use this projector in this network environment, set it up so that the DHCP/BOOTP server does not assign the IP address configured to this projector for another device on the network.

Page 133 Q&A Operation Why can't be turned on/off with web browser? Please make sure the settings of the projector are correct to use the projector. Please set the Standby mode of the projector's Setting menu to "Network". Refer to "4. Controlling the Projector" "Power control and status check"...

Page 134 Chapter 5 Appendix Others 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 assign- ment.

Page 135 Q&A Can I update the firmware of the projector. 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 deal- er. The version number of the firmware is indicated on the lower part of the "Initial setting"...

Page 136 NETWORK OWNER'S MANUAL SO-KF5AE SANYO Electric Co., Ltd.

Page 137 Owner's Manual PJ Network Manager for Windows This is the manual for the PJ Network Manager software. This software is Windows-compliant, but non-Mac-compliant. Read this manual thoroughly to operate the PJ Network Manager software. First, read the owner's manual of the projector to understand the basic oper- ation of the projector and the safety instructions.

Page 138 Contents Chapter 1 Introducing .....3 Introducing.....3 SNMP .....3 Trademarks.....3 Operating Environment.....4 Chapter 2 Set up .....5 PJ Network Manager installation.....6 PJ Network Manager un-installation.....6 Chapter 3 Basic Operation..... 7 Launching and quitting PJ Network Manager.....8 Name of status window.....8 Quitting PJ Network Manager.....9 Menu tree .....9 What's Target .....9...

Page 139: Chapter 1 Introducing

Chapter 1 Introducing Introducing This PJ Network Manager is a SNMP manager software for the network equipment which supports the private MIB (Management Information Base). By installing the PJ Network Manager to the computer, you can monitor the equipment simply such as the projector, the projection monitor and the flat display monitor connect- ed to the network.

Page 140: Operating Environment

Chapter 1 Introducing Operating Environment Item Minimum Recommended Pentium 4 2.0GHz or higher for Windows XP Pentium III 400MHz or higher Pentium 4 3.0GHz or higher for Windows Vista 256MB or higher for Windows XP Memory 128MB or higher 1GB or higher for Windows Vista More than 20MB of free disk space Screen SVGA (16 colors or more)

Page 141: Chapter 2 Set Up

Chapter 2 Set up PJ NETWORK MANAGER OWNER'S MANUAL...

Page 142: Pj Network Manager Installation

Chapter 2 Set up PJ Network Manager installation Set the supplied CD-ROM into the CD-ROM drive of your computer. Double click SetupTool. icon in the "PJ Network Manager" folder in the CD-ROM. Select "[English [United States]" from the pull- down menu on the "Choose Setup Language" window and click OK button to start installing and then follow the installation wizards.

Page 143: Chapter 3 Basic Operation

Chapter 3 Basic Operation PJ NETWORK MANAGER OWNER'S MANUAL...

Page 144: Launching And Quitting Pj Network Manager

Chapter 3 Basic Operation Launching and quitting PJ Network Manager To launch PJ Network Manager, take one of the following. - Select "PJ Network Manager" from the menu "Start" - "All programs". - Double click a management file* Name of status window Tool bar Menu Status column...

Page 145: Quitting Pj Network Manager

Quitting PJ Network Manager [Note] * The PJ Network Manager cannot open multiple status windows at the same time. Quitting PJ Network Manager To quit the PJ Network Manager, click the close box on top right of the status window, or select "Exit"...

Page 146: Name Of The Button On The Tool Bar

Chapter 3 Basic Operation Name of the button on the tool bar The following commands are assigned to the buttons on the tool bar. Save Target display Event log display Alert display Open Target monitoring Start/Stop Command history display Button Operation New.....

Page 147: Addition Of The Target

Addition of the target Addition of the target Select Target Addition from Target menu. The target information registering window appears. Items Description Name .....Enter a management name of the target equipment. IP address ....Enter IP address of the target equipment. Community ...

Page 148: Setting Up The Warning Value

Chapter 3 Basic Operation Setting up the warning value PJ Network Manager provides a function to display the alert when the use time of the set- ting item reaches a specified setting time. The available setting items (use time) are depend- ing on the target equipment.

Page 149: When Happens The Alert On The Target

When happens the alert on the target When happens the alert on the target If the abnormality or connection error happens on the target, PJ Network Manager indi- cates target name, icon and status column item with red color to let you know the abnor- mality.

Page 150: Stopping Monitoring The Target

Chapter 3 Basic Operation Stopping monitoring the target To stop monitoring the target, click button again on the tool bar. Displaying all the status information of the target Select a target and click button on the tool bar. The following status window appears and displays all the available status information of the target.

Page 151: Setting Up The Password Of Telnet

Setting up the password of Telnet Setting up the password of Telnet The password of telnet can be set up by the procedure below. It is necessary to make a password, same as the network password. Select a target which you want to set up the password of telnet from the status list. You can select multiple targets.

Page 152: Setting Timer For Targets

Chapter 3 Basic Operation Commands batch processing : Available Command Items Description Power ON/OFF .....Sets up the Power ON or Power OFF. Input,Source Sets up the Input and Source. Selects Input and Source..... Screen.....Sets up the screen size. Resizes the picture screen. Background Sets up the background.

Page 153: Setting Up Default Setting

Setting up default setting Setting up default setting The monitoring information and e-mail information can be set up by the procedure below. Select System default setting from System menu. The setting window will appear. Switch by clicking Monitoring information or E-mail information tab for each setting. Monitoring information Monitoring information Items...

Page 154

Chapter 3 Basic Operation E-mail information E-mail information Items Description SMTP server .....Sets up the IP address of SMTP mail server or server host name. Administrator's mail address Sets up the e-mail address of administrator ..... Destination mail address.....Sets up the destination mail address when the event (ALERT, TRAP, SYSERR) happens on the target.

Page 155: Customizing The Status List

Customizing the status list Customizing the status list Changing the status column indication Select Column selection from System menu. The col- umn selection window will appear. On the window, check the column name to be indi- cated on the status list. The mark [*] next to the column name indicates alert item.

Page 156

Chapter 3 Basic Operation Column Description *Error info.....Error information (Not available for the projector) IP address .....IP address of the network equipment Community .....Community name of the network equipment (public) Introduction date* ....Date of the network equipment installed Timer.....Timer information Product info.....Name of the network equipment System name .....System name of the network equipment (Proj_05)

Contact.....Contact information of the network equipment...

Page 157

Customizing the status list To change order or width of the column Drag the status column name you want to change the order and move it on a new place and drop it. To change column width, set a mouse cursor onto the right edge of the col- umn to change, drag the mouse on it and adjust the column width.

Page 158: Viewing The Alert Information

Chapter 3 Basic Operation Viewing the alert information Click button on the tool bar. The alert display window appears and the alert informa- tion of all the targets which are having an alert is listed on this window as the below. To export the alert information as text file (CSV file), click Export button.

Page 159: Viewing The Event Log

Viewing the event log Viewing the event log Click button on the tool bar. The event log display window appears and the events which have been happened on the targets are listed on this window as the below. To export these events as text file (CSV file), click Export button. To delete the event log, select the accrual date item you intend to delete by clicking and then click Delete button.

Page 160: Description Of Event, Type, Warning Column, Warning Value

Chapter 3 Basic Operation Description of Event, Type, Warning column, Warning value Event Type Warning Column Warning Value Description Un-connected Connect Connected Acquisition error PowerFailure TemperatureError Normal (AfterTempError) Power status RS232CFailure Power management Shutter management ON : Abnormality has LampFailure happened ALERT OFF : Abnormality has been...

Page 161

Description of Event, Type, Warning column, Warning value Description of warning value Warning Column Warning Value Description Projector has been disconnected from the network Un-connected Projector has been connected to the network Connect Connected * PJ Network Manager could not acquire the MIB information Acquisition error from the equipment Power failure...

Page 162: About Event Treatment

Chapter 3 Basic Operation About event treatment If the PJ Network Manager receives an event, it executes following event treatment items which are selected in the system default setting. Sound warning alarm Send e-mail Display warning dialog Sound warning alarm If the PJ Network Manager receives an event, the computer beeps an alarm sound.

Page 163: Viewing The Command History

About event treatment Display warning dialog Following dialog window appears on the screen if event occurs. Viewing the command history Click button on the tool bar. Command history window appears and the command history is listed on the window as shown below. To export the command history as text file (CSV file), click Export button.

Page 164: Storing The Management File

Chapter 3 Basic Operation Storing the management file When you monitor the network equipment with the PJ Network Manager, you can save the registered target information, system setting and event log information into the man- agement file with a free file name. It is useful if you manage multiple equipment in the net- work.

Page 165: Registering The Target Information From The Defined File At Once

Registering the target information from the defined file at once Registering the target information from the defined file at once The PJ Network Manager provides a function to import the target information from the defined file at once. Prepare the defined file (CSV data format) in which the target informa- tion is written along the format shown below.

Page 166: Format Of The Defined File

Chapter 3 Basic Operation Format of the defined file The defined file is a CSV data file created by the spreadsheet application and is defined as follows; Column Description (example) Target

name..Name of target equipment (Proj_01, Proj_03, PDP_01, etc.) IP address ....

Page 167: Login To The Target Equipment

Login to the target equipment Login to the target equipment After double clicking the target name on the status list, the computer launches web browser and displays the login window of the target equipment. You can control and set up the projector remotely by using the web browser. For the fur- ther information of instruction, see the separated network owner's manual.

Page 168 PM-KF5AC PJ NETWORK MANAGER OWNER'S MANUAL FOR WINDOWS SANYO Electric Co., Ltd.

This manual is also suitable for:

Plc-xu350a