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Sanyo PLC-XU300A Owner's Manual

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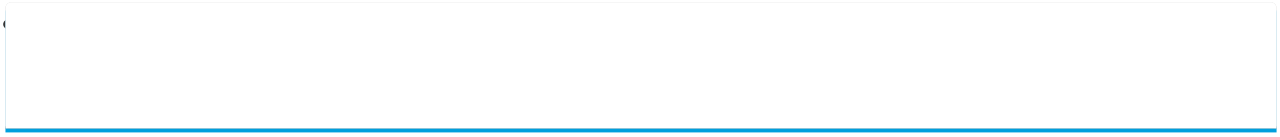

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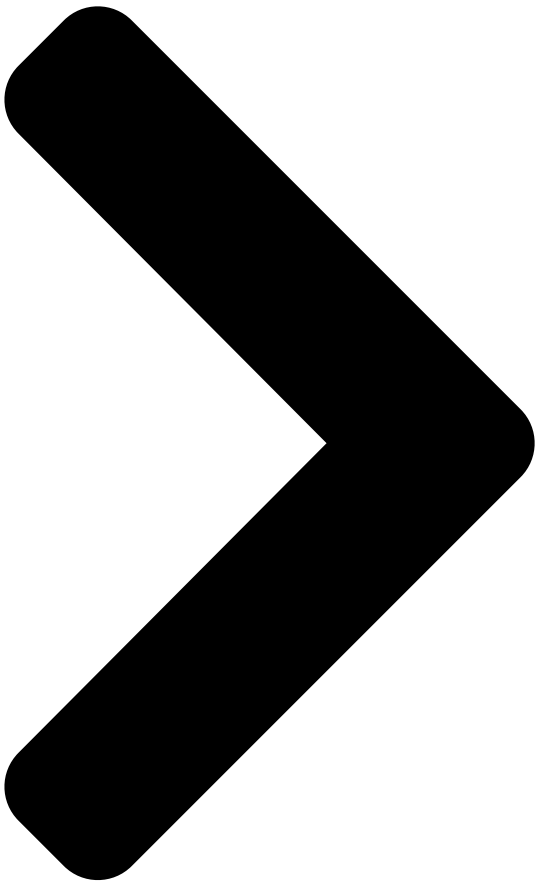

Multimedia Projector

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-XU300A Owner's Manual

(168 pages)

Projector Sanyo PLC-XU350A Service Manual

Multimedia projector (114 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)

Multimedia projector Sanyo PLC-XU50 Service Manual

(90 pages)

Multimedia projector Sanyo PLC-XP200L Owner's Manual

(88 pages)

Multimedia projector Sanyo PLC-XE50A Service Manual

(124 pages)

Multimedia projector Sanyo PLC-XP20E Owner's Instruction Manual

(54 pages)

Multimedia projector Sanyo PLC-SP20 Owner's Manual

(52 pages)

Multimedia projector Sanyo PDG-DXL2000 Service Manual

(98 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. The Security

function helps you to ensure security of the projector. With the Key lock function, you can It is easy to carry and installed anywhere you wish to lock the operation on the top control or remote control use.

Page 3: Table Of Contents

Table of Contents Features and Design . . . . . .□ Manual PC Adjustment Image Mode Selection Table of Contents .

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. Unplug this projector from AC power supply of power source indicated on the marking label. If you before cleaning. Do not use liquid or aerosol cleaners.

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. 20° degrees from side to side. 20° CAUTION Do not tilt the projector more than 30 30°...

Page 7: Compliance

– R eorient or relocate the receiving antenna. – I ncrease the separation between the equipment and receiver. – C onnect the equipment into an outlet on a circuit different from that to which the receiver is connected. – C onsult the dealer or an experienced radio/TV technician for help. Use of shielded cable is required to comply with class B limits in Subpart B of Part 15 of FCC Rules. Do not make any changes or modifications to the equipment unless otherwise specified in the instructions. If such changes or modifications should be made, you could be required to stop operation of the equipment. 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. AC Power Cord for the United States and Canada: AC Power Cord used in the United States and Canada is listed by the Underwriters Laboratories (UL) and certified by the Canadian Standard Association (CSA).

Page 8: Part Names And Functions

Part Names and Functions ① Infrared Remote Receiver Front ② Zoom Ring ③ Focus Ring ④ Projection Lens ⑤ 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. ⑥ Speaker ① ② ③ ④ ⑤ ⑨ ⑦ Exhaust Vents Back '...

Page 9: Rear Terminal

Part Names and Functions Rear Terminal ① ② ③ ④ ⑧ ⑦ ⑥ ⑤ ⑨ ① CONTROL PORT ⑥ 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 ② COMPUTER IN 1 / COMPONENT IN terminal (⑦ or ⑧). Connect output signal from a computer, RGB scart ⑦ COMPUTER 1 / COMPUTER □ AUDIO IN 21-pin video output or component video output to Connect the audio output (stereo) from a this terminal(pp.14,16).

Page 10: Top Control

Part Names and Functions Top Control ⑨ ⑤ ⑧ ④ ⑦ ③ ② ① ⑥ ① SELECT button ⑦ AUTO SETUP button – E xecute the selected item (p.21). Execute the setting of Auto setup (includes Input – E

xpand or compress the image in the Digital zoom search, Auto PC adj. and Auto Keystone functions) mode (p.36). in the setting menu. (pp.23, 45). ② POINT ed 7 8 (VOLUME +/–) buttons ⑧ wARNING indicator – S elect an item or adjust the value in the On-Screen – L ights red when the projector detects an abnormal...

Page 11: Remote Control

Part Names and Functions Remote Control ① ON/STAND-By button Turn the projector on or off. (pp.18-20) ② 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) ③ COMPUTER 1/ buttons Select the COMPUTER 1 or COMPUTER 2 input source. (pp.27-28, 38) ④ VIDEO button Select the VIDEO input source. (p.37) ① ② ⑤ S-VIDEO button Select the S-VIDEO input source. (p.37) ③ ⑥ Point ed 7 8 buttons – Select an item or adjust the value in the On-Screen Menu. (p.21) – Pan the image in the Digital zoom +/- mode. (p.36) ④...

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. To ensure safe operation, please observe the following precautions : ● Use two (2) AAA or LR03 type alkaline batteries. ● Always replace batteries in sets. ● Do not use a new battery with a used battery. ● Avoid contact with water or liquid. ● Do not expose the remote control to moisture or heat. ● Do not drop the remote control. ● If the battery has leaked on the remote control, carefully wipe the case clean and install new batteries. ● Risk of an explosion if battery is replaced by an incorrect type. ● Dispose of used batteries according to the instructions or your local disposal rule or guidelines. Remote Control Operating Range 16.4' (5 m) Point the remote control toward the projector (Infrared Remote Receiver) when pressing the buttons. Maximum operating range for the remote control is about 16.4'(5 m) 30°...

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. • All measurements are approximate and may vary from the actual sizes. 41.8' (12.7 m) 34.8' (10.6 m) 23.2' (7.1 m) 17.4' (5.3 m) 11.6' (3.5 m) 4.6' (1.4 m) Screen Size...

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 VGA VGA VGA cable cable cable Audio Input Audio cable (stereo) COMPUTER IN 1 / COMPUTER MONITOR COMPONENT IN IN 2 Audio cable (stereo) AUDIO OUT (stereo) COMPUTER IN 1 / COMPUTER IN 2 AUDIO IN ✔Note: • Input sound to the COMPUTER1 /COMPUTER 2 AUDIO IN terminal when using the COMPUTER IN 2 / MONITOR OUT and the COMPUTER IN 1/ COMPONENT IN terminal as input.

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 Audio cable S-Video cable (stereo) AUDIO OUT (stereo) AUDIO IN VIDEO S-VIDEO ✔ Note: Unplug the power cords of both the projector and external When the AUDIO OUT is plugged-in, the projector's built- equipment from the AC outlet in speaker is not available. before connecting cables.

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) Component cable Audio Scart-VGA VGA cable cable cable External Audio Equipment (stereo) Component- VGA cable Audio Input COMPUTER IN 2 / COMPUTER IN 1 / COMPUTER IN 1/ COMPONENT IN MONITOR OUTPUT COMPUTER IN 2 AUDIO IN Audio cable (stereo) AUDIO OUT (stereo)

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. If you are not sure of the type of power being supplied, consult your authorized dealer or service station.

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. The POWER indicator The preparation display will disappear lights green and the cooling fans start to operate. The after 30 seconds.

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 enter the correct number.

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. (You can select the level of fans’ quietness and speed. See “Fan” on page 56.) Power off? disappears after 4 seconds. At this time, you can unplug the AC power cord even if the fans are still running. When the projector has cooled down enough, the POWER indicator stops blinking and you can turn on the projector.

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 ,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). Image select For computer source, used to select an image mode from among Dynamic, Standard, Real, Blackboard(Green), Colorboard and image 1 - 4 (p.33). For Video source, used to select an image mode among Dynamic, Standard, Cinema, Blackboard(Green), Colorboard and Image 1- 4 (p.40). Image adjust For computer source, used to adjust computer image [Contrast, Brightness, Color temp ., white balance (R/G/B), Sharpness and Gamma] (pp.34-35).

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. Focus Ring and Auto Keystone functions) in the setting menu by just pressing the AUTO SETUP button on the top control or the AUTO SET button on the remote control. Refer to page 45 Top Control for the setting of the Auto setup function. AUTO SETUP button ✔ Notes: POINT ed buttons • Auto Keystone corrects vertical distortion only; it does not correct horizontal distortion.

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 to temporarily turn off the sound. To turn the sound back on, press the MUTE button again to select Off or press the VOL+ button VOLUME +/–

buttons. The Mute function is also effective for MUTE button the AUDIO OUT jack. VOL- button Menu Operation Press the MENU button to display the On-Screen Menu.

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/, VIDEO, S-VIDEO and Remote Control COMPONENT buttons COMPUTER 1/ buttons Press the COMPUTER 1/2, VIDEO, S-VIDEO and COMPONENT buttons on the remote control to select the S-video button input source. See pages 27-28,37-38 for details. COMPONENT FREEZE button VIDEO button button...

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 ➔ normal ➔ • • • • • No show disappears after 4 seconds. P-TIMER button 02:02 Press the P-TIMER button on the remote control. The P-Timer display 00:00 appears on the screen and the countdown starts (00:00–59:59). To stop the countdown, press the P-TIMER button. To cancel P-Timer display the P-Timer function, press the P-TIMER button again. SCREEN button IMAGE button P-TIMER button Press the IMAGE button on the remote control to select a NO SHOw button desired image mode of the screen. See pages 33, 40 for IMAGE button...

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. Top Control Remote Control INPUT button COMPUTER 1 button Computer 1(RGB) /...

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

Computer Input Input Source Selection (Computer : RGB) : RGB) RGB) Direct Operation Choose Computer (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 button Computer 1(RGB) / Computer (RGB) (Component) / (Scart) Computer (RGB) Video S-video Input Menu Menu Operation Press the MENU button to display the On-Screen Menu. Use the Point buttons to select Input and...

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 PC System Menu Auto signal conforming to the provided PC Systems. Auto is displayed on the System Menu box and the Auto PC Adjustment function works to display proper images. If the image is not projected properly, a manual adjustment is required (pp.31-32).

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 . Press the MENU button to display the On-Screen Menu. Use the Point buttons to select PC Adjust and then press the Point button. Use the Point buttons to select Auto PC Adj . and then press the SELECT button. To store adjustment parameters buttons Use Point ed to select Auto PC The adjusted parameters from the Auto PC Adjustment can 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. PC adjust Menu Press the MENU button to display the On-Screen Menu. Use the Point buttons to select PC Adjust and then press the Point or the SELECT

button. Use the Point buttons to select the desired item and then press the SELECT button to display the adjustment dialog box. Use the Point buttons to adjust the setting value. Fine sync Use the Point buttons to adjust the value, eliminating a flicker from the image displayed (from 0 to 31).

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. Move the highlight to the Mode that you want to clear and then press 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 □, Dynamic Image 3, and Image 4 by pressing the IMAGE button on the remote control. Standard Real Blackboard (Green) IMAGE button Colorboard Image 1 Image □ Menu Operation Image 3 Press the MENU button to display the On-Screen Menu. Use the Point buttons to select Image select and then press the Point or the SELECT Image 4 button.

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 8 or the SELECT adjust and then press the Point button. Use the Point buttons select the desired item and then press the SELECT button to display the adjustment dialog box. Use the Point buttons to adjust the setting value. Contrast Press the Point button to decrease the contrast; press the Point button to increase the contrast (from 0 to 63). Brightness Selected Image mode Press the Point button to decrease the brightness; press the Point button to increase the brightness (from 0 to 63). Color temp . Use the Point buttons to select the desired Color temp. level (XLow, Low, Mid, or High). white balance (Red) Press the Point button to lighten red tone; press the Point button to deepen red tone (from 0 to 63).

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 .. Adjust the Horizontal/Vertical screen scale. H&V .... When set to On, the aspect ratio is fixed. The Scale V appears dimmed and becomes unavailable. Adjust Scale H, then the screen scale is automatically...

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. Computer □(RGB) Video S-video Remote Control VIDEO button Video S-VIDEO button S-video...

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

Video Input Input Source Selection (Component, RGB Scart □1-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. Remote Control Top Control INPUT button COMPUTER 1 button Computer 1(RGB) / Computer 1(RGB) (Component) / (RGB(Scart))

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. Use the Point buttons to select System and then press the Point or SELECT button. Use the Point buttons to select the desired system and then press the SELECT button. Video or S-video Auto The projector automatically detects an incoming video system, and adjusts itself to optimize its performance. When Video System is PAL-M or PAL-N, select the system manually.

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 □, Image 3, and Image 4 by pressing the Standard IMAGE button on the remote control. Cinema Menu Operation Blackboard (Green) Press the MENU button to display the On-...

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 8 or the SELECT adjust and then press the Point button. Use the Point buttons select the desired item and then press the SELECT button to display the adjustment dialog box. Use the Point buttons to adjust the setting value. Contrast Press the Point button to decrease the contrast; press the Point button to increase the contrast (from 0 to 63). Selected Image mode Brightness Press the Point button to decrease the brightness; press the Point button to increase the brightness (from 0 to 63). Color Press the Point button decrease the intensity of the color; press the Point button increase the intensity of the color (from 0 to 63).

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). Noise reduction Noise interference on the screen can be reduced. Select one of the following options to get smoother images. Off ..Disabled. L1 ..Lower reduction L2 ..Higher reduction Progressive...

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. Use the Point buttons select the desired item and then press the SELECT button. Normal Provide the image at the 4:3 normal video aspect ratio. wide Provide the image at the 16:9 wide screen ratio. 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.

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. Use the Point buttons to select the desired item and then press the Point or SELECT buttons to access the selected item. Use the Point buttons select the desired item and then press the SELECT button.

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. When a signal is found, the search will stop. Use the Point buttons to select one of the following options.

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. To correct keystone distortion, press the SELECT button. Keystone appears on the screen. Use the Point buttons to correct keystone distortion (p.23). Background Select the background screen for when no input signal is detected. Press the Point buttons to switch between each option. Blue .

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. Logo select This function decides on the starting-up display from among following options.

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. After capturing the projected image, go to the Logo select function and set it to User. Then the captured image will be displayed the next time you turn on the projector. To cancel the capture function, select yes in the "Quit?" confirmation box.

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 then enter the correct number. Repeat this step to complete entering a four-digit number. After entering the four-digit number, move the pointer to Set. Press the SELECT button so that you can start to operate the projector.

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. This function is used to project the image from rear of the screen. Terminal The COMPUTER IN 2/MONITOR OUT terminal on the back Terminal of the projector is switchable for computer input or monitor...

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 .... When the lamp has been fully cooled down, the POWER indicator changes to green blinking. In this condition, the projection lamp will be turned on if the input signal is reconnected or any button...

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. Standby mode This function is available when operating the projector via network.

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. Mode 1 .... The lamp can be turned on even after exceeding the recommended total hours of use. Mode □ .... The lamp can be turned on even after exceeding the recommended total hours of use. But the projector turns off automatically after 3 minutes. ✔ Note: • Lamp mode cannot be changed for a while after turning on the projector. Lamp needs some time to stabilize after the power is turned on. Stored lamp mode will be active after the lamp is stabilized. • If Mode □ has been selected and the projection lamp exceeds the recommended total hours of use, the replacement icon will be displayed at the time of power-...

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. Select Key lock and then press the SELECT button, and select the desired item by pressing the Point buttons .. Unlocked.. Lock the operation of the top control. To unlock, use the remote control.. Lock the operation of the remote control. To unlock, use the top control. If the top control accidentally becomes locked and you do not have the remote control nearby or there is something wrong with your remote control, contact the dealer where you purchased the projector or the service center. PIN code lock This function prevents the projector from being operated by unauthorized persons and provides the following...

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 then enter the correct number. Repeat this step to complete entering a four-digit number. After entering the four-digit number, move the pointer to "Set." Press the SELECT button so that you can change the following PIN code lock

setting. If you entered an incorrect PIN code, PIN code and the number (✳✳✳✳) will turn red for a moment. Enter the correct PIN code all over again.

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 L .. Slower and lower-sound than the normal operation (L1), but it takes more time to cool the projector down. Fan control This projector provides Fan control function in the Setting menu. Choose the running speed of cooling fans from the following options according to the ground elevation under which you use the projector. Off....Normal speed. Set this function to Off when using the projector in non-high altitude environment. On 1..... Faster than Off mode. Select this mode when using the projector in high altitudes (about 1,200 meters or more above the sea level) where the fans have less cooling effect. On .... Faster than On 1 mode. Select this mode when using the projector in higher altitudes than above where the fans have lesser cooling effect. ✔ Note: The fan noise becomes louder in On 1 and On. Filter counter Filter counter This function is used to set a frequency for the filter cleaning.

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. ✔ Note: When the Factory default function is executed, all the warning log records will be deleted. Factory default This function returns all setting values except for the User Factory default logo, PIN code lock, Logo PIN code lock, Lamp counter and Filter counter to the factory default settings.

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. INFO . button Menu Operation Press the Point buttons to select the Information. The Information Menu is displayed. See below for displayed information. Input Information Menu The selected input source is displayed. H-sync freq . The horizontal frequency of the input signal is displayed in KHz, or - - - - KHz when no signal. V-sync freq . The vertical frequency of the input signal is displayed in Hz, or - - - - Hz when no signal. Numbers of Hz doubles when during Interlace.

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 . When the temperature inside the projector reaches a WARNING blinking certain level, the projector will be automatically shut down to protect the inside of the projector. The POWER indicator is blinking while the projector is being cooled down. When the projector has cooled down enough (to its normal operating temperature), it can be turned on again by pressing the ON/ STAND-BY button.

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. Clean the filters by following the steps below.

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. To pass the other end of the string into the hole on the top of the projector and pull at it. Cleaning the Projection Lens Unplug the AC power cord before cleaning. Gently wipe the projection lens with a cleaning cloth that contains a small amount of non-abrasive camera lens cleaner, or use a lens cleaning paper or commercially available air blower to clean the lens.

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 Maintenance and Cleaning ORDER REPLACEMENT LAMP 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. Improper handling may result in accidents, injury, or create a fire hazard. Lamp life may differ from lamp to lamp and according to the environment of use. There is no guarantee ● of the same life for each lamp. Some lamps may fail or terminate their life in a shorter period of time than other similar lamps. If the projector indicates that the lamp should be replaced, i.e., if the LAMP REPLACE indicator lights ●...

Page 64: Appendix

Appendix Troubleshooting Before calling your dealer or service center for assistance, check the items below once again. – M ake sure you have properly connected the projector to peripheral equipment as described on pages 14-16. – M ake sure all equipment is connected to AC outlet and the power is turned on. – W hen the projector does not project an image from the connected computer, restart the computer. Problem: – Solutions No power – Plug the power cord of the projector into the AC outlet. – See if the POWER indicator lights red. – W ait until the POWER indicator stops blinking to turn on the projector again. The projector can be turned on after the POWER indicator turns red. See page 18. – Check the WARNING indicator. If the WARNING indicator lights red, projector cannot be turned on. See page 59. – Check the projection lamp. See page 62. – Unlock the Key lock function for the projector. See page 54. The initial display is not shown . – Make sure Off or Countdown off are not chosen at display function. See page 46. The initial display is not same – Make sure User or Off are not chosen at Logo (select) as the default set .

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. See your computer’s instruction manual for the setting. – It takes about 30 seconds to display an image after turning on the projector. See page 18. – C heck the Input signal, color system, video system or computer system mode. – Make sure the temperature is not out of the specified Operating 41˚F–95˚F [5˚C–35˚C]) Temperature (– When No Show is operating, the image cannot be displayed. Press the NO SHOW button or any other button on the remote control. No sound – Check the audio cable connection from audio input source. – Adjust the audio source. – Press the Volume + button. See page 24. – Press the Mute button. See page 24. – When the AUDIO OUT is plugged-in, the projector's built-in speaker is not available. – Is the image projected? You will hear the sound only when the image is projected. The color is strange . – Check the Input signal, color system,video system or computer system mode. – Make sure the Blackboard is not selected on Image select menu.See pages 33,40.

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 . you have set). See pages 19, 54-55. The Remote Control does – Check the batteries. not work . – Make sure no obstruction is between the projector and remote control. – Make sure you are not too far from the projector when using the remote control. Maximum operating range is 16.4'(5 m). – Make sure the code of the remote control is conformed to the projector’s code. See page 53. – Unlock the Key lock function for the remote control function. See page 54.

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. This symbol on the nameplate The CE Mark is a Directive conformity means the product is Listed mark of the European Community (EC).

Page 68: Menu Tree

Appendix Menu Tree Computer Input/Video Input Input Input RGB Computer 1 Component RGB (Scart) Computer 2 RGB Video S-Video Sound Sound Volume 0–63 Mute On/Off Image Select Dynamic Computer Input Standard Real SVGA 1 System Blackboard (Green) Mode 1 Colorboard Red/Blue/Yellow/Green Mode 2 Image 1 - - - - Image 2 Image 3 * Systems displayed in the System Menu vary Image 4 depending on an input signal.

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 NTSC 4.43 Logo Logo select PAL-M PAL-N Default User Capture...

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. ✽ The projector is operating normally. The projector is preparing for stand-by or the projection lamp is ✽ being cooled down. The projector cannot be turned on until cooling is completed and the POWER indicator stops blinking. ✽ The projector is in the Power management mode. The temperature inside the projector is abnormally high. The projector cannot be turned on. When the projector is cooled down ✽ enough and the temperature returns to normal, the POWER indicator stops blinking and the projector can be turned on. (The WARNING indicator keeps blinking.) The projector has been cooled down enough and the temperature ✽ returns to normal. When turning on the projector, the WARNING indicator stops blinking. The projector detects an abnormal condition and cannot be turned on. Unplug the AC power cord and plug it again to turn on the projector. If the projector is turned off again, unplug the AC power ✽...

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 . V-Freq . RESOLUTION RESOLUTION DISPLAy (KHz) (Hz) DISPLAy (KHz) (Hz) VGA 1 640 x 480 31.47 59.88 SXGA 5 1280 x 1024 63.74 60.01 VGA 2 720 x 400 31.47 70.09 SXGA 6 1280 x 1024 71.69 67.19 VGA 3 640 x 400...

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) Feet Adjustment 0˚ to 12˚ Panel Resolution LCD Panel System 0.63" TFT Active Matrix type, 3 panels Panel Resolution 1,024 x 768 dots Number of Pixels 2,359,296 (1,024 x 768 x 3 panels) Signal Compatibility Color System PAL, SECAM, NTSC, NTSC4.43, PAL-M, and PAL-N SD/HD TV Signal 480i, 480p, 575i, 575p, 720p, 1035i, and 1080i Scanning Frequency H-sync. 15 kHz–100 kHz, V-sync. 50–100 Hz Optical Information Projection Image Size (Diagonal) Adjustable from 40” to 300” Throw Distance 4.6' ~ 41.7' (1.4 m ~ 12.7 m) Projection Lens F 1.60 ~ 1.76 lens with f 22.3 mm ~ 26.8 mm with manual zoom and focus...

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. Even though 99.99% of the pixels are ● effective, a tiny fraction of the pixels (0.01% or less) may be ineffective by the characteristics of the LCD panels. Optional Parts The parts listed below are optionally available. When ordering those parts, specify the item name and Model No. to the sales dealer. Model No. COMPONENT~VGA Cable : POA-CA-COMPVGA SCART~VGA Cable : POA-CA-SCART VGA-Cable (10 m) : KA-MC-DB10...

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.” Projector Input PJLink Input Parameter Computer 2 (Analog) RGB 1 RGB 2 Computer 1 Component RGB 3 RGB (Scart) RGB 4 Video VIDEO 2 Video S-video VIDEO 3 PJLink is a registered trademark of JBMIA and pending trademark in some countries.

Page 75: Configurations Of Terminals

Appendix Configurations of Terminals COMPUTER IN 1 /COMPONENT IN /COMPUTER IN □/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. sync. Input/Output (Composite H/V sync.) Ground (Red) Vert. sync. Ground (Green) DDC Clock /----- Ground (Blue) CONTROL PORT CONNECTOR (D-sub 9 pin) Serial ----- R X D...

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 . Factory default set No: 4 3 2 1* *Should the four-digit number be changed, the factory set number will be invalid. While the projector is locked with the PIN code. Put the label below (supplied) on in a prominent place of the projector's body while it is locked with a PIN code.

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)

Page 78 KA5AE SANyO Electric Co ., Ltd .

This manual is also suitable for:

Plc-xu350a