Sanyo PLC-XE50A Owner's Manual

Multimedia projector

1
2
Table Of Contents
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

68
69
70

Table of Contents

-

Troubleshooting

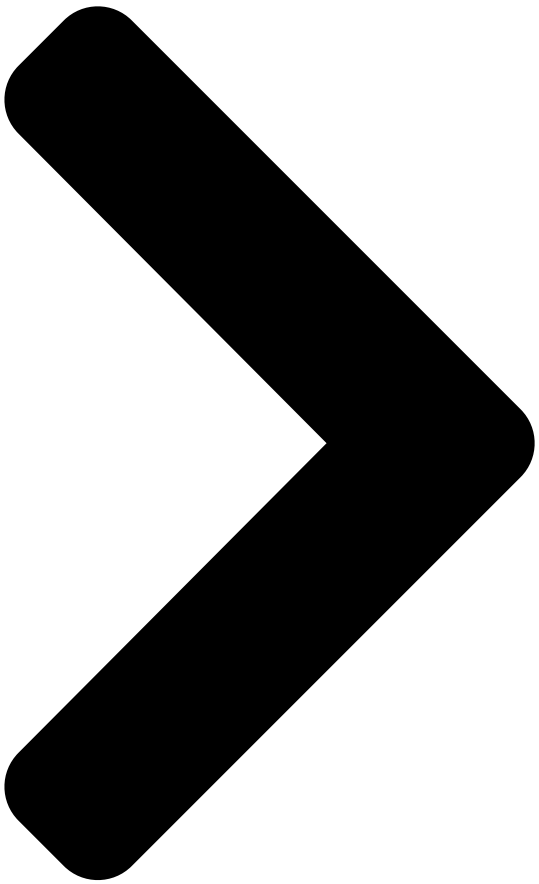
Bookmarks

Quick Links

1 Troubleshooting

Download this manual

See also: Service Manual



Multimedia Projector

PLC-XE50A

MODEL

Owner's Manual

Table of Contents

Next Page

1
2
3
4
5

Related Manuals for Sanyo PLC-XE50A

Multimedia projector Sanyo PLC-XE50A Service Manual

(124 pages)

Projector Sanyo PLC-XE50 Service Manual

Sanyo plc-xe50 multimedia projector service manual□□ (126 pages)

Projector Sanyo PLC-XE50 Owner's Manual

Sanyo multimedia projector owner's manual (73 pages)

Projector Sanyo PJLink PLC-XE33 Owner's Manual

Multimedia projector (77 pages)

Projector Sanyo PLC-XE33 Service Manual

(110 pages)

Projector Sanyo PLC-XE33 Owner's Manual

Sanyo lcd projector owner's manual (58 pages)

Projector Sanyo PLC-XE40 Owner's Manual

Sanyo multimedia projector owner's manual plc-xe40 (68 pages)

Projector Sanyo PLC-XE40 Service Manual

(96 pages)

Projector Sanyo PLC-XD2200 Owner's Manual

2200 ansi xga (78 pages)

Projector Sanyo PLC-XE34 Owner's Manual

2200ansi education projector (78 pages)

Projector Sanyo PLC-XD2200 - XGA Able Multimedia Projector Owner's Manual

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

Projector Sanyo PLC-XE32 Brochure

Sanyo projectors product brochure (12 pages)

Projector Sanyo PLC-XE32 Owner's Manual

Multimedia projector (68 pages)

Projector Sanyo PLC-XE32 Service Manual

(96 pages)

Projector Sanyo PLC-XE31 Service Manual

(96 pages)

Projector Sanyo PLC-XE45 Service Manual

(104 pages)

Summary of Contents for Sanyo PLC-XE50A

Page 1 Multimedia Projector PLC-XE50A MODEL 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. ◆ Large Screen in Limited Space ◆Blackboard Function Short focus lens allows you to project large images A blackboard can be used as a projection screen.

Page 3: Table Of Contents

Table of Contents Features and Design . . . . . 2 Computer Input .

Page 4: To The Owner

To the Owner Before installing and operating this projector, read this Safety Precaution manual thoroughly and operate the projector properly. This projector provides many convenient features and WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC functions. Operating the projector properly enables SHOCK, DO NOT EXPOSE THIS APPLIANCE TO you to manage those features and maintain it in good RAIN OR MOISTURE .

Page 5: Safety Instructions

Safety Instructions All the safety and operating instructions should be read before Never push objects of any kind into this projector through the product is operated. cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Read all of the instructions given here and retain them for Never spill liquid of any kind on the projector.

Page 6: Air Circulation

Safety Instructions Air Circulation Moving the Projector Openings in the cabinet are provided for ventilation. To When the projector is not in use for an extended period, ensure reliable operation of the product and to protect it put it into a suitable case. from overheating, these openings must not be blocked Handle the projector carefully;...

Page 7: Installing The Projector In Proper Position

Safety Instructions Installing the Projector in Proper Position Install the projector properly. Improper Installation may reduce the lamp life and cause fire hazard. Side A Side B CAUTION – Do not put anything or sit on the projector, otherwise, it may fall down or cause failure of the projector or injury.

Page 8: Compliance

Model Number(s) : PLC-XE50A Trade Name : Sanyo SANYO NORTH AMERICA CORPORATION Responsible party 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 9: Part Names And Functions

Part Names and Functions q Exhaust Vent Front CAUTION Hot air is exhausted from the exhaust vent. Do not put heat-sensitive objects near this side. w Indicators e Infrared Remote Receiver CAUTION The Infrared Remote Receiver sticks out beyond the cabinet surface. If the Infrared Remote Receiver is put on the wall or floor directly, the Infrared Remote Receiver may damage.

Page 10: Rear Terminal

Part Names and Functions Rear Terminal q AUDIO IN y COMPONENT IN Connect the audio output from video equipment Connect the component video output signal to connected to w, t or y to this jack. [When the these jacks (p.17). audio output is monaural, connect it to L (MONO) jack (p.16, 17).

Page 11: Indicators

Part Names and Functions Indicators q POWER indicator – Lights red when the projector is in stand-by mode. – Lights green during operations. – Blinks green in the Power management mode (pp.49, 63). w WARNING TEMP . indicator – Lights red when the projector detects an abnormal condition. –...

Page 12: Remote Control

Part Names and Functions Remote Control q ON/STAND-BY button Turn the projector on or off (pp.19, 20). w VIDEO button Select VIDEO input source (pp.24, 36). e COMPUTER button Select COMPUTER input source (pp.24, 26, 37). r MENU button Open or close the On-Screen Menu (p.21). t Point (VOLUME + / –) buttons ed 7 8...

Page 13: Remote Control Battery Installation

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

Page 14: Installation

Installation Positioning the Projector For the projector positioning, see the figures below. The projector should be set perpendicularly to the plane of the screen. ✔Note: •This projector is not equipped with an optical zoom. To adjust the screen size, change the throw distance. •The brightness in the room has a great influence on picture quality.

Page 15: Connecting To Computer

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

Page 16: Connecting To Video Equipment (Video, S-Video)

Installation Connecting to Video Equipment (Video, S-Video) Cables used for connection • Video and Audio Cable (RCA x 3) • S-VIDEO Cable • Audio Cable (Mini Plug: stereo) (Cables are not supplied with the projector.) Composite Video and Audio Output S-Video Output External Audio Equipment (Video)

Page 17: Connecting To Video Equipment (Component And Rgb Scart)

Installation Connecting to Video Equipment (Component and RGB Scart) Cables used for connection • Audio Cables (Mini Plug: stereo, RCA x 2) • Scart-VGA Cable • Component Cable (Cables are not supplied with the projector.) External Audio Equipment Component Video Output RGB Scart 21- Audio Output (Y, Pb/Cb, Pr/Cr)

Page 18: 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 19: 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 turns red. Press the ON/STAND-BY button on the remote control. The POWER indicator becomes green and the cooling fans start to operate.

Page 20: Turning Off The Projector

Basic Operation Turning Off the Projector Press the ON/STAND-BY button 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 the fans’...

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 Remote Control MENU button Menu. For each adjustment and setting procedure, refer to POINT buttons the respective sections in this manual. Press the MENU button on the remote control to display the On-Screen Menu.

Page 22: Menu Bar

Basic Operation Menu Bar For detailed functions, see Menu Tree on pages 65-66. For computer source Guide Window Image Adjust Menu Shows the selected Menu of the On-Screen Menu. Used to adjust the computer image from Contrast, Brightness, Color temp., White balance (R/G/B), Input Menu Sharpness, and Gamma (pp.33–34) Used to select the input source, Computer or Video (p.26).

Page 23: Focus Adjustment

Basic Operation Focus Adjustment Adjust the lens focus with the focus lever. Focus Lever Keystone Correction If a projected picture has keystone distortion, correct the image with the Keystone function. Press the KEYSTONE button on the remote control. The •The arrows are white when there is no correction. keystone dialog box appears.

Page 24: Sound Adjustment

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

Page 25: Keystone Button

Basic Operation Remote Control AUTO PC button Press the AUTO PC button to operate the Auto PC function. KEYSTONE button VOLUME +/- (See page 23.) See page 28 for more details. buttons POINT ed (See page 24.) buttons D.ZOOM buttons AUTO PC button Press the D.ZOOM buttons to zoom in and zoom out the...

Page 26: Computer Input

Computer Input Input Source Selection Direct Operation Remote Control Press the COMPUTER button on the remote control to select either Computer 1 or Computer 2. COMPUTER button Before using the COMPUTER button, select the correct input source through Menu operation as described below. COMPUTER button Computer 1 Computer 2*...

Page 27: Computer System Selection

Computer Input Computer System Selection The projector automatically tunes to various types of computers with its Multi-scan system and Auto PC Adjustment. If computer is selected as a signal source, the projector automatically detects the signal format and tunes to project proper images without any additional setting. (Signal formats provided in this projector is shown on page 65.) One of the following messages may appear when: PC System Menu...

Page 28: Auto Pc Adjustment

Computer Input Auto PC Adjustment Auto PC Adjustment function is provided to automatically adjust Fine sync, Total dots, Horizontal, and Vertical positions to conform to your computer. Direct Operation Remote Control The Auto PC adjustment function can be operated directly with the AUTO PC button on the remote control.

Page 29: 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 (Mode 1–5) to store those parameters manually adjusted, which allows you to recall the setting for a specific computer.

Page 30

Computer Input Display area H Use the Point buttons to adjust the horizontal area displayed by this projector. Display area V Use the Point buttons to adjust the vertical area displayed by this projector. Reset To reset the adjusted data, select “Reset” and press the Move the red frame pointer SELECT button.

Page 31: Image Level Selection

Computer Input Image Level Selection Direct Operation Remote Control IMAGE button Select an image level from among Dynamic, Standard, Real, Dynamic Blackboard (Green), Colorboard, Image 1, Image 2, Image 3, or Image 4 with the IMAGE button on the remote control. Standard Dynamic IMAGE...

Page 32

Computer Input Menu Operation Image Select Menu icon Press the MENU button to display the On-Screen Image Select Menu Menu. Use the Point buttons to move the red frame pointer to the Image Select Menu icon. Use the Point buttons to move the red frame pointer to the desired level and then press the SELECT Move the red frame pointer to button.

Page 33: Image Level Adjustment

Computer Input Image Level Adjustment Press the MENU button to display the On-Screen Image Adjust Menu Menu. Use the Point buttons to move the red frame pointer to the Image Adjust Menu icon. Use the Point buttons to move the red frame Image Adjust Menu icon pointer to the desired item, and then press the Move the red frame pointer...

Page 34: Screen Size Adjustment

Computer Input Store To store the adjusted data, select “Store” and press the Move the red frame SELECT button. The Image Level Menu appears. Use the pointer to the desired image level (from Image Point buttons to choose one of the four image level and 1 to 4) and then press press the SELECT button.

Page 35: For Zooming In And Out The Images

Computer Input Custom Adjust the screen scale and position manually with this function. Press the SELECT button at Custom and the “Custom” is displayed on the screen for a few seconds and then the Aspect dialog box appears. Scale H/V..... Adjust the Horizontal/Vertical screen scale. H&V .....

Page 36: Video Input

Video Input Input Source Selection (Video, S-Video, Component) Remote Control Direct Operation Press the VIDEO button on the remote control to select VIDEO button “Video. ” Before using the VIDEO button, select the correct input source through menu operation as described below. Menu Operation Use the MENU button to display the On-Screen Menu.

Page 37: Input Source Selection (Rgb Scart 21-Pin)

Video Input Input Source Selection (RGB Scart 21-pin) Direct Operation Remote Control Press the COMPUTER button on the remote control to COMPUTER button select Computer 1. Before using the COMPUTER button, select the correct COMPUTER button input source through Menu operation as described below. Computer 1 Computer 2* *See Note at the bottom of this page.

Page 38: Video System Selection

Video Input Video System Selection Press the MENU button to display the On-Screen Menu. Use the Point buttons to move the red frame pointer to the AV System Menu icon. Use the Point buttons to move the red arrow pointer to the desired system and then press the SELECT button.

Page 39: Image Level Selection

Video Input Image Level Selection IMAGE button Remote Control Direct Operation Dynamic Select an image level from among Dynamic, Standard, Cinema, Blackboard (Green), Colorboard, Image 1, Image 2, Image 3, and Image 4 with the IMAGE button on the Standard remote control.

Page 40 Video Input Image Select Menu Operation Menu icon Image Select Menu Use the MENU button to display the On-Screen Menu. Press the Point buttons to move the red frame pointer to the Image Select Menu icon. Use the Point buttons to move the red frame Move the red frame pointer to pointer to the desired level and then press the SELECT the desired image level and press...

Page 41: Image Level Adjustment

Video Input Image Level Adjustment Press the MENU button to display the On-Screen Image Adjust Menu Menu. Use the Point buttons to move the red frame pointer to the Image Adjust Menu icon. Use the Point buttons to move the red frame Image Adjust Menu icon pointer to the desired item and then press the SELECT button.

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 get 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. Press the MENU button to display the On-Screen Screen Menu Menu. Use the Point buttons to move the red frame pointer to the Screen Menu

icon.

Page 44: Setting

Setting Setting This projector has Setting menu that allows you to set up Setting Menu (Language) the other various functions described as follows: Press the MENU button to display the On-Screen Menu. Use the Point buttons to move the red Setting Menu Set the red framed frame pointer to the Setting Menu icon.

Page 45 Setting Blue back Press the Point buttons to switch on/off. When this function is “On, ” a blue image is displayed while the input signal is not detected. Display Press the Point buttons to switch on/off. This function decides to display the On-Screen Displays. On .....

Page 46 Setting Capture This function enables you to capture the image being projected and use it for a start-up display or interval of Capture presentations. After capturing the projected image, go to the Logo select function and set it to “User. ” Then the captured image is displayed when the projector is turned on next time or the NO SHOW button is pressed (p 25).

Page 47 Setting Enter a Logo PIN code Select a number by pressing the Point buttons. And then press the Point button to fix the number and move the pointer. The number changes to "✳". If Logo PIN code lock Dialog Box you fixed an incorrect number, move the pointer to the number you want to correct by pressing the Point button, and then select the correct number by pressing...

Page 48 Setting Terminal The COMPUTER IN 2/MONITOR OUT terminal on the back of the projector is switchable for computer input or monitor output (p.10). Select Computer 2 or Monitor Out with the Point buttons. Computer 2.....computer input Monitor Out.....monitor out Terminal function is not available when Computer 2 to the input source is selected.

Page 49 Setting Select one of the operations. Ready..... When the lamp has been fully cooled down, the POWER indicator changes to green blinking. In this condition, the projection lamp is turned on if the input signal is reconnected or any button on the remote control is pressed.

Page 50 Setting Security (PIN code lock setting) This function allows you to use PIN code lock function to set the security for the projector operation. PIN code lock PIN code lock This function prevents the projector from being operated by unauthorized persons and provides the following setting options for security.

Page 51 Setting Change the PIN code Change the PIN code The PIN code can be changed to your desired four-digit number. Select "PIN code change" with the Point button, and press the SELECT button to display the New PIN code input dialog box. Select PIN code change and Select a number by pressing the Point buttons.

Page 52 Setting Lamp Replacement icon Lamp counter This function is used to reset the lamp counter. Fig.1 Lamp replacement icon This icon appears on the screen when the end of When the lamp life is left less than 100 hours, the Lamp lamp life is approaching.

Page 53: 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 TEMP .

Page 54: Cleaning The Air Filter

Maintenance and Cleaning Cleaning the Air Filter The air filter prevents dust from accumulating on the surface of the optical elements inside the projector. Should the air filter become clogged with dust particles, it will reduce cooling fans’ effectiveness and may result in a buildup of internal heat and adversely affects the life of the projector.

Page 55: Cleaning The Projection Window

Maintenance and Cleaning Cleaning the Projection Window CAUTION This projector is equipped with a projection window. Do not rub the projection window with a hard fiber cloth or hit it with a something hard to prevent the projection window from scratching. Do not use a chemical

cleaner (liquid and solid) to avoid deteriorating the projection window.

Page 56: Lamp Replacement

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-XE50A ● Replacement Lamp Type No. : POA-LMP139 ●...

Page 57: Lamp Replacement Counter

Maintenance and Cleaning Lamp Replacement Counter Be sure to reset the Lamp replacement counter after the lamp is replaced. When the Lamp replacement counter is reset, the LAMP REPLACE indicator stops lighting. Turn the projector on and press the MENU button to display the On-Screen Menu.

Page 58: 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 15–17 . – Make sure all equipment is connected to the AC outlet and the power is turned on. –...

Page 59

Appendix – Adjust focus of the projector (see page 23). – Provide proper distance between the projector and the projection screen (see page 14). – Check the projection window to see if it needs cleaning (see page 55). Image is out of focus. –...

Page 60

Appendix – Check the batteries. – Make sure no obstruction is between the projector and the remote control. The Remote Control does not – Make sure you are not too far from the projector when using the remote work. control. Maximum operating range is 11.5’ (3.5 m). –...

Page 61: Menu Tree

Appendix Menu Tree Computer Input/Video Input Input Computer 1 Go to System RGB(Scart) Quit Computer 2 Go to System Video Auto Go to System (2) or (3) Video Go to System S-Video Go to System Go to System Component not applicable ✽N/A...

Page 62: Image Adjust

Appendix Video Input Setting Setting Language 16 languages provided. System Auto Quit 1080i Keystone Store / Reset 1035i Uniformity Adj. Store 1 / Store 2 / Reset 720p Blue back On / Off 575p Display On / Countdown off / Off 480p Logo Logo select...

Page 63: Indicators And Projector Condition

Appendix Indicators and Projector Condition Check the indicators for projector condition. The projector is operating normally. Indicators Projector Condition LAMP WARNING WARNING POWER REPLACE TEMP . FILTER red/green orange yellow The projector is off. (The AC power cord is unplugged.) The projector is preparing for stand-by or the projection lamp is ✽...

Page 64

Appendix The projector is detecting abnormal condition. Indicators Projector Condition LAMP WARNING WARNING POWER REPLACE TEMP . FILTER red/green yellow orange 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 lights red ✽...

Page 65: 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 66: Technical Specifications

Appendix Technical Specifications Mechanical Information Projector Type Multi-media Projector Dimensions (W x H x D) 14.72” x 7 .75” x 19.49” (374 mm x 196.8 mm x 495 mm) (Not including projections) Net Weight 15.0 lbs (6.8 kg) Panel Resolution LCD Panel System 0.8”...

Page 67: Optional Parts

Appendix Accessories Owner’s Manual(CD-ROM) Quick Reference Guide AC Power Cord Remote Control and Batteries VGA Cable PIN Code Label ● 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.

Page 68: Configurations Of Terminals

Appendix Configurations of Terminals COMPUTER INPUT/ MONITOR OUTPUT TERMINAL (ANALOG) Terminal : Analog RGB (Mini D-sub 15 pin) Red Input / Output 5V / ----- Green Input / Output Ground (Vert.sync.) Blue Input / Output Ground / ----- DDC data / ----- ----- Ground (Horiz.sync.) Horiz.

Page 69: 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 70 SANYO Electric Co., Ltd. KL3AB...