TOSHIBA

Toshiba TLP780U Owner's Manual

3lcd data projector with document imaging camera

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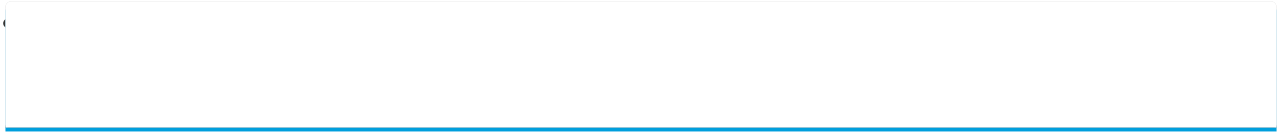

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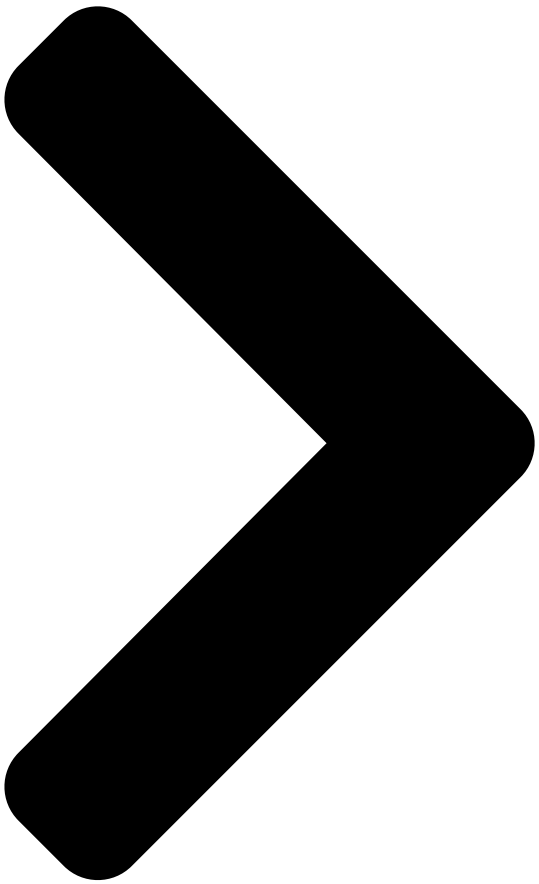

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TOSHIBA

3LCD DATA PROJECTOR

TLP780U

TLP781U

(WITH DOCUMENT IMAGING CAMERA)

TLP780U

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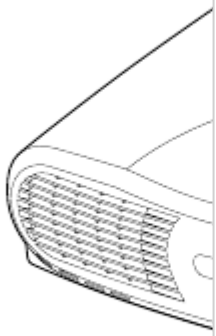

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Projector Toshiba TLP-790 Specifications

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Summary of Contents for Toshiba TLP780U

Page 1 CONTENTS OWNER’S MANUAL 3LCD DATA PROJECTOR TLP780U TLP781U (WITH DOCUMENT IMAGING CAMERA) TLP780U...

Page 2: Contents

WARNING: Changes or modifications made to this equipment, not expressly approved by Toshiba, or parties authorized by Toshiba, could void the user’s authority to operate the equipment. Notice: This Class A digital apparatus complies with Canadian ICES-003.

Page 3: Important Precautions

IMPORTANT PRECAUTIONS Save Original Packing Materials The original shipping carton and packing materials will come in handy if you ever have to ship your LCD projector. For maximum protection, repack the set as it was originally packed at the factory. Avoid Volatile Liquid Do not use volatile liquids, such as an insect spray, near the unit.

Page 4: Important Safety Instructions

IMPORTANT SAFETY INSTRUCTIONS CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS GIVEN IN THIS OWNER'S MANUAL AND THOSE MARKED ON THE UNIT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE. This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard.

Page 5: Contents

IMPORTANT SAFETY INSTRUCTIONS (continued) 5. Heat The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat. 6. Water and Moisture Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub;...

Page 6: Contents

IMPORTANT SAFETY INSTRUCTIONS (continued) 11. Object and Liquid Entry Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short- out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

Page 7: Contents

IMPORTANT SAFETY INSTRUCTIONS (continued) 16. Damage Requiring Service Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions: a) When the power-supply cord or plug is damaged. b) If liquid has been spilled, or objects have fallen into the product.

Page 8: Contents

IMPORTANT SAFETY INSTRUCTIONS (continued) 21. Do not get your hands between the camera arm and the main unit when setting the camera arm back in its original position. To avoid injury, be careful not to get your hands caught when setting the camera arm back in its original position.

Page 9: Power Supply Cord Selection

Power supply cord selection If your line voltage is 220 to 240V, use one of the following types of cable. Plug configuration Plug type Line voltage EURO 220 – 240V 240V 10 - 15A 200 – 240V 240V Australian 200 – 240V 240V North American 200 –...

Page 10: Table Of Contents

Contents Before use SAFETY PRECAUTIONS ... 2 IMPORTANT PRECAUTIONS ... 3 IMPORTANT SAFETY INSTRUCTIONS ... 4 Power supply cord selection ... 9 Contents ... 10 Names of each part on the main unit ... 11 Names of each part on the remote control ... 13 Loading batteries ...

Page 11: Names Of Each Part On The Main Unit

Names of each part on the main unit CAUTION Openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. Air exhaust Front side Lens cover...

Page 12: Control Panel

Names of each part on the main unit (continued) To display the menu screen and/or select the operation on the menu screen. Use the selection button and EXIT button to enlarge the image. EXIT button Selection button ENTER button MENU button INPUT button To s e l e c t t h e i n p u t source.

Page 13: Contents

Names of each part on the main unit (continued) CONTROL connector (RS-232C connector) To connect a computer to control the projector. (Remove the cover when using the connector.)

USB connector To connect to a USB connector of a computer when using the remote control mouse.

Page 14: Contents

Names of each part on the remote control Caution - use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Location of the labels INPUT ON/STANDBY LASER AUTO KEYSTONE INPUT button L-CLICK R-CLICK VOLUME/ADJUST...

Page 15: Remote Control

Loading batteries Notes Using batteries incorrectly can cause them to leak or burst. Strictly observe the following. • Install the batteries with their + and - ends facingcorrectly. • Do not charge, heat, disassemble, or short the batteries or throw them into a fire. •...

Page 16: Remote Control Operation

Remote control operation CONTENTS Point the remote control at the infrared remote sensor and press a button. Front side Rear side Notes • The remote control may not operate when there is sunlight or other strong light such as a fluorescent lamp shining on the remote sensor. •...

Page 17: Floor-Mounted Projector Placement

Floor-mounted projector placement There are two ways to place the floor-mounted projector. Perform the "Projection mode" setting on the menu screen for the projection method. For the ceiling-mounted projector placement, refer to the page Floor-mounted front projection Viewing a picture projected on the front of the screen from a floor installation.

Page 18

Floor-mounted projector placement (continued) Place the projector on a steady, level surface such as a table. To obtain proper screen projected, place the projector so that the projecting light hits the screen squarely. Top view Screen Point the lens straight at the center of the screen as above. Determine the screen size projected on the screen.

Page 19: Power Cord

Floor-mounted projector placement (continued) Connect the power cord. • Insert one end in the AC IN socket on the projector. • Insert the other end in a wall outlet. Take off the lens cover. Notes • When the projector is moved from a cold location to a warm location, or when the ambient temperature in the projection room has risen suddenly, moisture may condense on the lens or the internal optical section to blur the projected pictures.

Page 20: Projector Placement Angle Adjustment

Projector placement angle adjustment The tilt of the projector can be adjusted using the foot adjuster. Foot adjuster Foot adjuster release button Lift up Lower Notes • To put the foot adjuster back, hold down the foot adjuster release button and lower the front slowly. •...

Page 21: Ceiling-Mounted Projector Placement

Ceiling-mounted projector placement CAUTION When a ceiling mount is required, please consult with the dealer. Ceiling-mounted front projection Viewing a picture projected on the front of the screen from a ceiling installation. Perform the "Projection mode" setting on the menu screen for the projection method. Note •...

Page 22: Rgb Cable

Connecting a computer You can project the picture from the computer. Check that the power for the projector and computer is off before connecting the cables. MONITOR COMPUTER IN 1 (Y/P CONTROL AUDIO R - AUDIO - L To AUDIO IN jack Audio cable (Supplied) Notes •...

Page 23: Dvi Anallog Cable

Connecting a computer You can project the picture of analog RGB or digital RGB signal from a computer by using COMPUTER IN 2 connector. Check that the power for the projector and computer is off before connecting the cables. MONITOR COMPUTER IN 1 (Y/P CONTROL...

Page 24: Av Cable

Connecting video equipment You can project the picture from video equipment by using VIDEO

IN connectors. Check that the power for the projector and video equipment is off before connecting the cables. MONITOR COMPUTER IN 1 (Y/P CONTROL AUDIO R - AUDIO - L (Red) To AUDIO-R jack (White) To AUDIO-L jack...

Page 25 Connecting video equipment (continued) You can project the picture from video equipment with component video output jack. Check that the power for the projector and video equipment is off before connecting the cables. MONITOR COMPUTER IN 1 (Y/P CONTROL AUDIO R - AUDIO - L To AUDIO IN jack...

Page 26: Control Cable

Projector operation control by a computer You can control the projector by a computer connected with the control cable supplied. Check that the power for the projector and computer is off before connecting the cables. MONITOR COMPUTER IN 1 (Y/P CONTROL AUDIO R - AUDIO - L...

Page 27: How To Use The Output Connector

How to use the output connector You can output video signal to a computer monitor, etc. Check that the power for the projector and the equipments is off before connecting the cables. MONITOR COMPUTER IN 1 (Y/P CONTROL AUDIO R - AUDIO - L Notes •...

Page 28: Projection On The Screen

Projection on the screen CAUTION - Do not look into the projection lens while operating the projector. Remote control INPUT ON/STANDBY LASER AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST MENU ENTER EXIT FREEZE RESIZE CALL MUTE Control panel (Main unit side) Indicators ON / STANDBY VOL / ADJ Preparation...

Page 29 Projection on the screen (continued) Remote control INPUT ON/STANDBY LASER AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST MENU ENTER EXIT FREEZE RESIZE CALL MUTE Control panel (Main unit side) ON / STANDBY VOL / ADJ When a projector is used for the first time, the language selection menu, which is to select a language for displaying menus or messages, is displayed.

Page 30: Input Button

Projection on the screen (continued) Remote control 5-a,5-b INPUT ON/STANDBY LASER AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST MENU ENTER EXIT FREEZE RESIZE CALL MUTE Control panel (Main unit side) ON / STANDBY VOL / ADJ 5-a,5-b Select the input source to project. There are two kinds of methods as follows (5-a and 5-b.) Select the input source by pressing INPUT INPUT...

Page 31: Zooming Lever

Projection on the screen (continued) Notes (Signal sent from the computer) • If you project an image from a computer with an LCD screen while monitoring the image on the computer, the image may not be projected properly, depending on the computer model. In this case, turn off the computer display.

Page 32 Projection on the screen (continued) Remote control INPUT ON/STANDBY LASER AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST MENU ENTER EXIT FREEZE RESIZE CALL MUTE Control panel (Main unit side) ON / STANDBY VOL / ADJ Press VOL/ADJ (+/-) to adjust volume. Press the (+) button to increase volume. Press the (-) button to decrease volume.

Page 33: Turning The Power Off

Turning the power off Remote control INPUT ON/STANDBY LASER AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST MENU ENTER EXIT FREEZE RESIZE CALL MUTE Control panel (Main unit side) Indicators ON / STANDBY VOL / ADJ ON/STANDBY Press ON/STANDBY after using the projector. An instruction message for turning the power off appears on ON/STANDBY the screen and disappears after a while.

Page 34: Adjusting The Picture Automatically

Adjusting the picture automatically Remote control INPUT ON/STANDBY LASER AUTO SET AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST MENU ENTER EXIT FREEZE RESIZE CALL MUTE Control panel (Main unit side) ON / STANDBY VOL / ADJ AUTO SET You can adjust the optimum horizontal position, vertical position, sampling phase and sampling frequency for projecting

analog RGB signals at the touch of a button.

Page 35: Correcting The Keystone Distortion

Correcting the keystone distortion Remote control INPUT ON/STANDBY LASER AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST MENU ENTER EXIT FREEZE RESIZE CALL MUTE Control panel (Main unit side) ON / STANDBY VOL / ADJ A picture may be expanded on the upper side if projected upward from the projector lifted up by the foot adjuster.

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Correcting the keystone distortion (continued) Remote control INPUT ON/STANDBY LASER AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST MENU ENTER EXIT FREEZE RESIZE CALL MUTE Control panel (Main unit side) ON / STANDBY VOL / ADJ When screen is not installed vertically, "Auto. V-keystone" is not corrected properly.

Page 37: Cutting Off The Picture And Sound Temporarily

Cutting off the picture and sound temporarily Remote control INPUT ON/STANDBY LASER AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST MENU ENTER EXIT FREEZE RESIZE CALL MUTE MUTE The image and sound of this projector can be turned off if you wish to temporarily project the image of another projector or a OHP, etc., on the screen.

Page 38: Freezing The Picture

Freezing the picture Remote control INPUT ON/STANDBY LASER AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST MENU ENTER EXIT FREEZE FREEZE RESIZE CALL MUTE You can freeze the image being projected. Use this function to stop images from a video recorder to make presentations. Press FREEZE.

Page 39: Enlarging The Picture Size

Enlarging the picture size Remote control INPUT ON/STANDBY LASER AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST / / / MENU ENTER EXIT EXIT FREEZE RESIZE RESIZE CALL MUTE RESIZE The icon appears in the resize mode. You can enlarge (resize) the picture size projected. Press RESIZE (RESIZE The enlargement ratio increases each time the RESIZE (...

Page 40: Displaying Pip Sub-Pictures

Displaying PIP Sub-pictures Remote control INPUT ON/STANDBY LASER AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST MENU ENTER EXIT FREEZE RESIZE CALL MUTE Video or S-video images can be displayed as small images on the computer's image. (Referred to as "sub-pictures" in this manual.) Press PIP.

Page 41: Displaying Information

Displaying Information Remote control INPUT ON/STANDBY LASER AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST MENU ENTER EXIT FREEZE RESIZE CALL MUTE CALL Information on the input signal source, etc., can be displayed. Press CALL. CALL The information described below is displayed. The information display turns off when the CALL button is pressed again.

Page 42: Usb Cable

Operating a computer by the remote control You can control a computer by the remote control when the projector and computer are connected with the supplied USB cable. In this manual, this function is explained as "mouse remote control". MONITOR COMPUTER IN 1 COMPUTER IN 2 (Y/P...

Page 43: Operating The Menu Screen

Operating the menu screen Various adjustments and settings can be made on the menu screen. The basic operation on the menu screen is shown here. Start GUIDE MENU: You can adjust or set the functions used frequently. Press MENU. MENU Then GUIDE MENU appears, and a list of several items is displayed in the menu.

Page 44

Operating the menu screen (continued) For the selection method of FULL MENU, refer to Start the previous page. Select the item with selection buttons (State of a figure below is a sample for explanation. This state does not in fact. The current input source Kind (page) of FULL MENU Adjustment display bar...

Page 45: Guide Menu Adjustments And Settings

GUIDE MENU adjustments and settings On GUIDE MENU, you can set or adjust the functions frequently used. To operate GUIDE MENU, refer to page Adjust the image brightness. Contrast Brightness Adjust the image flicker. Phase Adjust the image color. Color Adjust the gain of the document imaging camera.

Page 46: Full Menu Adjustments And Settings - Picture

FULL MENU adjustments and settings - Picture You can adjust various items of the picture from FULL MENU [Picture]. To operate FULL MENU, refer to page Contrast ADJ. Adjusting contrast of the picture Brightness ADJ. Adjusting brightness of the picture Sharpness ADJ.

Page 47: Full Menu Adjustments - Position

FULL MENU adjustments - Position You can adjust the picture position etc. of analog RGB input from FULL MENU [Position]. To operate FULL MENU, refer to page H-position ADJ. Adjusting the horizontal display position of the picture V-position ADJ. Adjusting the vertical display position of the picture Phase ADJ.

Page 48: Full Menu Adjustments - Color

FULL MENU adjustments - Color You can adjust the color condition of the picture from FULL MENU [Color]. To operate FULL MENU, refer to page Color ADJ. Adjusting color deepness of the picture Tint ADJ. Adjusting tint of the picture (not adjustable at PAL, SECAM, PAL-N,PAL-M and PAL60) R-level ADJ.

Page 49: Full Menu Adjustments And Settings - Audio

FULL MENU adjustments and settings - Audio You can set the sound developed from the speaker from FULL MENU [Audio]. To operate FULL MENU, refer to page Volume ADJ. Adjusting the sound volume developed from speaker Speaker output The sound is developed from the speakers No sound is developed from the speakers Channel select The sound of the left and right channels is mixed and developed from the speaker...

Page 50: Full Menu Adjustments And Settings - Display

FULL MENU adjustments and settings - Display You can set the language, menu display, etc. from FULL MENU [Display]. To operate FULL MENU, refer to page V-keystone ADJ. Adjusting the keystone distortion when having changed the vertical installation angle H-keystone ADJ.

Page 51: Full Menu Settings - Default Setting

The projector placement is set to the ceiling-mounted rear projection mode No signal background Logo The TOSHIBA logo is displayed when no signal is input Blue background A blue color is displayed at full screen when no signal is input...

Page 52: Full Menu Settings - Reset

FULL MENU settings - Reset • You can return the adjusting and setting value of all menus to the factory default setting. ("H-reference value" below also returns to the value at the factory default setting.) • The projector stores the standard conditions of horizontal installation, but depending on the usage environment (if the projector is subject to vibrations or shock, etc.), the standard may change.

Page 53: Pip Menu Setting

PIP menu setting When a PIP sub-picture is displayed, the PIP menu screen appears. You can make the PIP sub-picture settings and the sound settings when a PIP subpicture is displayed. To cancel the menu, press EXIT. Source Selecting the signal source for PIP sub-picture Video : Video input is selected as signal source S-Video...

Page 54: Part Names (Of The Document Imaging Camera Model)

Part names (of the document imaging camera model) CAUTION When using the camera, be careful not to pinch your hand or fingers into the arm. On the document imaging camera model, you can project pictures using the document imaging camera. The document imaging camera can directly project any materials (documents, illustrations, etc.) without using an OHP film.

Page 55: Preparation Of The Document Imaging Camera

Preparation of the document imaging camera 1) Raise up the arm. Before preparations (stowed away) 4) Open the camera head. 5) Turn the camera head. Notes • Never give shocks or impacts to the camera or arm as this may cause malfunction. •...

Page 56: Picture Projection With The Document Imaging Camera

Picture projection with the document imaging camera CAUTION Do not look into the arm light while it is lit. Camera control panel W.BALANCE OVERLAY ARM LIGHT LOCK CAMERA CAMERA GAIN Preparation Project a picture on the screen as explained in the step "Projection on the screen". ARM LIGHT Press ARM LIGHT.

Page 57 Picture projection with the document imaging camera (continued) Remote control INPUT ON/STANDBY LASER AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST MENU ENTER EXIT FREEZE RESIZE CALL MUTE Control panel (Main unit side) ON / STANDBY VOL / ADJ Camera control panel W.BALANCE OVERLAY ARM LIGHT LOCK...

Page 58 Picture projection with the document imaging camera (continued) Camera control panel W.BALANCE OVERLAY ARM LIGHT LOCK CAMERA CAMERA GAIN CAMERA Press CAMERA GAIN (+/-) to improve view GAIN of a camera subject which is too dark or vivid. Notes • You can adjust the "Sharpness" of the camera image on the menu screen. •...

Page 59: Overlaying Projection

Overlaying projection You can draw figures or letters with a pen on the picture of RGB input or video input, by using the overlaying function. Remote control INPUT ON/STANDBY LASER AUTO KEYSTONE L-CLICK R-CLICK VOLUME/ADJUST Camera control panel MENU ENTER EXIT FREEZE W.BALANCE...

Page 60: Lock The White Balance

Lock the white balance Camera control panel W.BALANCE OVERLAY ARM LIGHT LOCK CAMERA CAMERA GAIN This projector's camera is always being adjusted automatically for projected color balance; however, the balance can shift away from optimal due to the color scheme of the document.

Page 61: Correcting Illuminated Defects

Correcting illuminated defects Control panel (Main unit side) ON / STANDBY VOL / ADJ Press both sides Camera control panel W.BALANCE OVERLAY ARM LIGHT LOCK CAMERA CAMERA GAIN For the CCD image sensor used in the camera unit, in rare cases some of the pixels may be disturbed due to the influence of cosmic rays, etc.

Page 62: Trouble Indications

Trouble indications If there is some problem inside the projector, the indicators light up or blink. Indicators ON / STANDBY VOL / ADJ Control panel (Main unit side) The power does not come on. Malfunction of the unit. (Off) • Unplug the power cord and call the dealer. (Lit in red) The lamp turns off or does not light up.

Page 63: Air Filter Cleaning

Air filter cleaning CAUTION If you use the projector mounted on the ceiling, ask the dealer to carry out the maintenance such as cleaning. The filter inside the air filter cover is the part to shut out dusts or dregs. Do not use the projector with the filter taken off.

Page 64 Air filter cleaning (continued) Notes • When the air filter is dusty, the ventilation is impaired. This causes the temperature inside the projector to rise, and may damage the unit. • Attach the air filter cover firmly after the cleaning. If it is not set correctly, the dusts will enter and they will be projected and overlapped on the picture.

Page 65: Lens And Main Unit Cleaning

Lens and main unit cleaning CAUTION If you use the projector mounted on the ceiling, ask the dealer to carry out the maintenance such as cleaning. Cleaning the lens • Use a blower or a lens cleaner to clean the lens. •...

Page 66: Sold Separately

Lamp replacement The lamp will eventually begin to project dark or dull pictures and finally will not light up. (Lamp's life length depends on the use condition.) In such a case, replace the lamp with new one. CAUTION • If you use the projector mounted on the ceiling, ask the dealer to carry out the maintenance such as cleaning or replacement of the lamp.

Page 67 Lamp replacement (continued) Notes • When the CALL button is pressed, the "Lamp time" (the approximate amount of time the lamp has been used) is displayed. • The lamp should be replaced if the total work- ing time exceeds about 1,000 hours. When the "Lamp time"...

Page 68: Before Calling Service Personal

Before calling service personal Check the following points before asking for support service. Refer also to "Trouble indications". Symptom The power does not come on. • The power cord is disconnected. • The lamp cover is not attached correctly. The power turns off while •...

Page 69 Before calling service personal (continued) Symptom The color is faint. • The "Color", "Tint", "R-Level", "G-Level" or "B-Level" adjustments are not correct. The tint is not good. • The lamp life is ending. The remote control does not • The remote control is not facing the remote sensor. work.

Page 70: Pin Assignment Of Computer In, Monitor Out Connector

Pin assignment of COMPUTER IN, MONITOR OUT connector COMPUTER IN 1 Input signal MONITOR OUT Analog R, G, B signal: 0.7V(p-p) 75 Horizontal sync signal: TTL level (positive/negative polarity) Vertical sync signal: TTL level (positive/negative polarity) Y signal: 1.0V(p-p) 75 signal: 0.7V(p-p) 75 Mini D-sub 15pinconnector Description...

Page 71: Applicable Signal

Applicable signal Applicable computer signal The unit is applicable to the following signals. However, some computers may have different timings than those in the chart. Make the necessary adjustments if the picture has flickers or is blurred. Timing chart Mode Resolution (pixels) TEXT70...

Page 72 Applicable signal (continued) Timing chart (Continued) Mode Resolution (pixels) *SXGA1152x864 75Hz 1152 x 864 *SXGA1280x960 60Hz 1280 x 960 *SXGA1280x960 85Hz 1280 x 960 *SXGA1280x1024 60Hz 1280 x 1024 *SXGA1280x1024 75Hz 1280 x 1024 *SXGA1280x1024 85Hz 1280 x 1024 *UXGA60 1600 x 1200 *UXGA65 1600 x 1200...

Page 73: Controlling The Projector By Using Rs-232C

Controlling the projector by using RS-232C You can also control the projector by entering the command from a computer via RS-232C. Signal assignment of RS-232C Pin No. Signal CONTROL RS-232C Command list Classification Items/Status Power Off (with confirmation message) Shut Down (without confirmation message) Normal (RS-232C Condition Display Off) Picture Contrast...

Page 74 Controlling the projector by using RS-232C (continued) Classification Items/Status Picture Video mode Auto. (Continued) NTSC SECAM PAL-N PAL-M PAL60 NTSC4.43 Signal format Auto. 525i 525p 625i 750p 1125i Shutter Auto. 50Hz 60Hz Screen size Full Thru Wide Overlay gain Picture reset Position H-position V-position...

Page 75 Controlling the projector by using RS-232C (continued) Classification Items/Status Color Color Tint R-level G-level B-level Color reset Audio Volume Increase Decrease Speaker output Channel select (RCA) Loudness (RCA) Channel select (Mini) Loudness (Mini) Audio reset Display V-keystone H-keystone Keystone reset Language English French...

Page 76 Controlling the projector by using RS-232C (continued) Classification Items/Status Display Icon (Continued) Menu position Upper left Bottom left Upper right Bottom right Menu translucent Display reset (except keystone) Default setting COMPUTER IN 1 Analog RGB(1) COMPUTER IN 2 Analog RGB(2) Digital RGB VIDEO S-VIDEO...

Page 77 Controlling the projector by using RS-232C (continued) Classification Items/Status Default setting Startup screen (Continued) Default setting reset Reset Reset all H-reference reset Status display (CALL) Input Toggle selection COMPUTER-1 COMPUTER-2 VIDEO S-VIDEO

CAMERA RESIZE Increase the enlargement ratio Decrease the enlargement ratio (Minimum: reset status) Move the enlargement section Up Down Left...

Page 78 Controlling the projector by using RS-232C (continued) Classification Items/Status PIP audio source Main (Continued) PIP reset AUTO SET Auto. V-keystone Overlay Camera Shortcut Auto. W/B Lighting Selection Adjustment Analog RGB(1) Digital RGB Command Command Analog RGB(2) CONTENTS Video Camera S-Video...

Page 79: Specifications

Specifications Main unit Power consumption TLP780: 300 W (Standby: 20W) TLP781: 310 W (Standby: 20W) Mass TLP780: 4.2 kg TLP781: 5.0 kg Dimensions TLP780: 338 x 95.5 x 265 (mm) (W/H/D) (Except the protrusion parts) TLP781: 338 x 95.5 x 328 (mm) (W/H/D) Cabinet Material PC+ABS resin and ABS resin Ambient environment Temperature : 0 deg.

Page 80 Specifications (Continued) CONTENTS Accessories Owner's manual (Getting started) ... 1 Owner's manual (CD-ROM) ... 1 Remote control ... 1 R6 (AA) size battery ... 2 Power cord ... 1 RGB cable ... 1 (3m) DVI anallog cable ... 1 (2m) Adapter for Macintosh computers ...

This manual is also suitable for:

Tlp-780Tlp-781Tlp 780 - xga lcd projector780u - tlp xga lcd projectorTlp781u