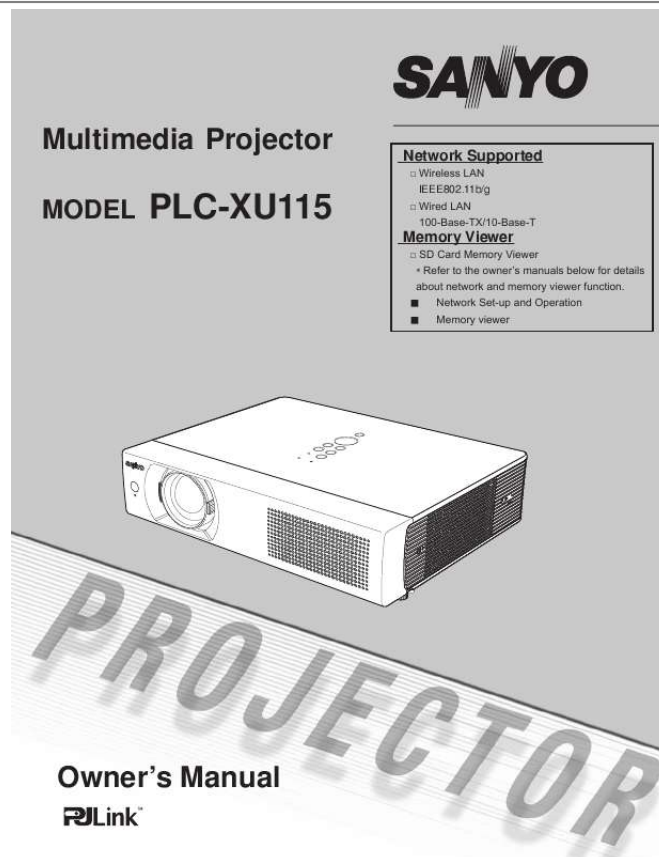




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for SANYO PLC-XU115. You'll find the answers to all your questions on the SANYO PLC-XU115 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SANYO PLC-XU115
User guide SANYO PLC-XU115
Operating instructions SANYO PLC-XU115
Instructions for use SANYO PLC-XU115
Instruction manual SANYO PLC-XU115



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.....
.. TurningOntheProjector TurningOfftheProjector HowtoOperatetheOn-ScreenMenu MenuBar ZoomandFocusAdjustment AutoSetupFunction
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.....
.0 30 Trademarks Each name of corporations or products in this book is either a registered trademark or a trademark of its respective corporation. To the
Owner Before installing and operating this projector, read this manualthoroughly. This projector provides many convenient features and functions. Operating
the projector properly enables you to manage those features and maintains it in good conditionformanyyearstocome.

Improperoperationmayresultinnotonlyshorteningthe product-life, but also malfunctions, fire hazard, or other accidents.
Ifyourprojectorseemstooperateimproperly,readthis manual again, check operations and cable connections and try the solutions in the "Troubleshooting"
section in the back of this booklet. If the problem still persists, contactthedealerwhereyoupurchasedtheprojectoror theservicecenter. Safety Precaution
WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE . CAUTION RISK
OF ELECTRIC SHOCK DO NOT OPEN hisprojectorproducesintenselightfromtheprojection T lens.

Do not stare directly into the lens, otherwise eye damage could result. Be especially careful that childrennotstaredirectlyintothebeam. -
nstalltheprojectorinaproperposition.Otherwiseit mayresultinfirehazard. llowingtheproperamountofspaceonthetop,sides, A and rear of the projector cabinet
is critical for proper air circulation and cooling of the unit.

The dimension shown here indicate the minimum space required. If the projector is to be built into a compartment or
similarlyenclosed,theseminimumdistancesmustbe maintained. SIDEandTOP 0 .7'(0 cm) REAR CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK) . NO USER-SERVICEABLE PARTS INSIDE EXCEPT LAMP REPLACEMENT .
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL . 1 .5'(50 cm) '(1 m) 1 .5'(50 cm) THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE
CONSTITUTINGA RISK OF ELECTRIC SHOCKISPRESNTWITHINTHISUNIT. THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT
OPERATING AND MAINTENANCE INSTRUCTIONS IN THE OWNER'S MANUAL WITHTHISUNIT. onotcovertheventilationslotontheprojector.Heat D
build-up can reduce the service life of your projector, andcanalsobedangerous.



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If the projector is unused for an extended time, unplug it from the power outlet. CAUTION DO NOT SET THE PROJECTOR IN GREASY, WET, OR SMOKY CONDITIONS SUCH AS IN A KITCHEN TO PREVENT A BREAKDOWN OR A DISASTER. IF THE PROJECTOR COMES IN CONTACT WITH OIL OR CHEMICALS, IT MAY BECOME DETERIORATED.

NOTE: This symbol and recycle system are applied to EU countries only and not applied to the countries in the other area of the world. Your SANYO product is designed and manufactured with high quality materials and components which can be recycled and reused. This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste. Please dispose of this equipment at your local community waste collection/recycling centre. In the European Union there are separate collection systems for used electrical and electronic products.

Please help us to conserve the environment we live in! READ AND KEEP THIS OWNER'S MANUAL FOR LATER USE. CAUTION Not for use in a computer room as defined in the Standard for the Protection of Electronic Computer/Data Processing Equipment, ANSI/NFPA 75. Ne peut être utilisé dans une salle d'ordinateurs telle que définie dans la norme ANSI/NFPA 75 Standard for Protection of Electronic Computer/Data Processing Equipment. 5 Safety Instructions All the safety and operating instructions should be read before the product is operated. Read all of the instructions given here and retain them for later use.

Unplug this projector from AC power supply before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning. Follow all warnings and instructions marked on the projector. For added protection to the projector during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet.

This will prevent damage due to lightning and power line surges. Do not expose this unit to rain or use near water... for example, in a wet basement, near a swimming pool, etc.

.. Do not use attachments not recommended by the manufacturer as they may cause hazards. Do not place this projector on an unstable cart, stand, or table. The projector may fall, causing serious injury to a child or adult, and serious damage to the projector. Use only with a cart or stand recommended by the manufacturer, or sold with the projector. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance to overturn. Slots and openings in the back and bottom of the cabinet are provided for ventilation, to ensure reliable operation of the equipment and to protect it from overheating.

The openings should never be covered with cloth or other materials, and the bottom opening should not be blocked by placing the projector on a bed, sofa, rug, or other similar surface. This projector should never be placed near or over a radiator or heat register. This projector should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided. Never push objects of any kind into this projector through cabinet slots 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 projector. Do not install the projector near the ventilation duct of air-conditioning equipment. This projector should be operated only from the type of power source indicated on the marking label.

If you are not sure of the type of power supplied, consult your authorized dealer or local power company. Do not overload wall outlets and extension cords as this can result in fire or electric shock. Do not allow anything to rest on the power cord.

Do not locate this projector where the cord may be damaged by persons walking on it. Do not attempt to service this projector yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Unplug this projector from wall outlet and refer servicing to qualified service personnel under the following conditions:

a. When the power cord or plug is damaged or frayed.

b. If liquid has been spilled into the projector. c. If the projector has been exposed to rain or water. d.

If the projector does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the projector to normal operation. e. If the projector has been dropped or the cabinet has been damaged. f. When the projector exhibits a distinct change in performance - this indicates an IEEE test and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

e. reorient or relocate the receiving antenna.

R. Increase the separation between the equipment and receiver. I. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. C. Consult the dealer or an experienced radio/TV technician for help. C. Use of shielded cables 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-XU115 Trade Name: Sanyo

Responsible party: SANYO FISHER COMPANY 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). AC Power Cord has a grounding-type A C line plug.

This is a safety feature to be sure that the plug will fit into the power outlet. Do not try to defeat this safety feature. Should you be unable

to insert the plug into the outlet, contact your electrician. GROUND AC Power Cord for the United Kingdom:

This cord is already fitted with a moulded plug incorporating a fuse, the value of which is indicated on the pin face of the plug. Should the fuse need to be replaced, an ASTA approved BS1362 fuse must be used of the same rating, marked thus .

If the fuse cover is detachable, never use the plug with the cover omitted. If a

replacement fuse cover is required, ensure it is of the same colour as that visible on the pin face of the plug (i.



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e. red or orange). Fuse covers are available from the Parts Department indicated in your User Instructions. If the plug supplied is not suitable for your socket outlet, it should be cut off and destroyed. The end of the flexible cord should be suitably prepared and the correct plug fitted. **WARNING : A PLUG WITH BARED FLEXIBLE CORD IS HAZARDOUS IF ENGAGED IN A LIVE SOCKET OUTLET .**
The Wires in this mains lead are coloured in accordance with the following code: Green-and-yellow..Earth Blue

. Neutral Brown

Live As the colour of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:
The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol or coloured green or green-and-yellow. The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. **WARNING: THIS APPARATUS MUST BE EARTHED . ASA THE SOCKET-OUTLET SHOULD BE INSTALLED NEAR THE EQUIPMENT AND EASILY ACCESSIBLE .**

9 Part Names and Functions Front Infrared Remote Receiver WIRELESS Indicator Focus Ring Projection Lens Zoom Lever Lens Cap 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. Top Controls and Indicators Air Intake Vent Back Exhaust vent CAUTION Hot air is exhausted from the exhaust vents. Do not put heat-sensitive objects near this side. Speaker Air Intake Vent (back and bottom) Terminals and Connectors Power Cord Connector SD Card Slot LAN Connection Terminal Lamp Cover Filters Bottom Adjustable Feet Note: Connection Terminal are for the Network function. Refer to the owner's manual "Network Set-up and Operation". SD Card Slot is for the Memory Viewer function. Refer to the owner's manual "Memory Viewer function". Kensington Security Slot * Kensington is a registered trademark of ACCO Brands Corporation. WIRELESS Indicator and LAN This slot is for a Kensington lock used to deter theft of the projector.

10 Part Names and Functions Rear Terminal SD R/C JACK When using the wired remote control, connect the wired remote control to this jack with a remote control cable (not supplied). VIDEO IN Connect the composite video output signal to this jack (p.20). Connect the audio output signal from video equipment connected to or to this jack. For a mono audio signal (a single audio jack), connect it to the L (MONO) jack (p.20). USB AUDIO IN In order to operate the computer with the remote control and use the PAGE buttons on the remote control during a presentation, connect the USB port of the computer to the USB terminal with a USB cable (not supplied) (pp.13,19). This jack is used to service the projector. COMPUTER/COMPONENT AUDIO IN Connect the audio output (stereo) signal from a computer or video equipment connected to or to this jack (pp.19,21). COMPUTER IN /COMPONENT IN Connect the computer or component video (or RGB AUDIO OUT (VARIABLE)

Scart) output signal to this terminal (pp.19,21). Connect an external audio amplifier to this jack. Use the supplied VGA cable or a Component-VGA (pp.19,21) cable commercially available. This terminal outputs sound from AUDIO IN terminal (or). MONITOR OUT This terminal can be used to output the incoming S-VIDEO IN RGB analog signal from COMPUTER IN 1 and Connect the S-VIDEO output signal from video equipment to this jack (p.20). COMPUTER IN 2/COMPONENT IN terminal to the other monitor (p.

19). SD Card Indicator COMPUTER IN 1/DVI-I Display the status of SD card. When inserting SD Card, the indicator lights, and when removing SD Connect computer output (Digital/Analog DVI-I Card, the indicator turns off. type) to this terminal (p.19). SD Card Slot LAN Connection Terminal Insert the SD card memory (not supplied) for Connect the LAN cable (Refer to the owner's Memory viewer operation. manual of "Network Set-up and Operation".). SERVICE PORT

11 Part Names and Functions Top Control LAMP REPLACE indicator WARNING indicator Lights yellow when the projection lamp reaches its life end of life (pp.61,69).

condition. links red when the internal temperature of the B ON/STANDBY button projector exceeds the operating range (pp.58,69).

Turn the projector on or off (pp.22,23). POWER indicator INPUT button lights red when the projector is in stand-by mode. L lights green during operations. L Select an input source (pp.30,31,40,41). links green in the Power management mode (p.

52). B KEYSTONE button AUTO SETUP/CANCEL button Correct vertical keystone distortion and adjust POINT (VOLUME +/-) buttons computer display parameters such as Fine sync., select an item or adjust the value in the On-Screen S Total dots, and Picture position (pp.26,47). Menu (p.

24). Display the image in SD card or return to the image in the Digital zoom + mode (p.39). P menu bar in Memory Viewer menu. adjust the volume level (Point buttons) (p.

27). A Refer to the owner's manual of "Network Set-up and Operation". SELECT button select the selected item (p.24). E MENU button expand or compress the image in the Digital zoom E Open or close the On-Screen Menu (p.24). mode (p.39). Correct keystone distortion (pp.26,48).

1 Part Names and Functions Remote Control L-CLICK button Act as the left mouse button for wireless mouse operation. (p.15) POWER ON/STANDBY button Turn the projector on or off (pp.22-23) WIRED REMOTE jack Connect the remote control cable (not supplied) to this jack when using a wired remote control. Wireless remote control does not work when the remote control cable is connected to the projector SIGNAL EMISSION indicator

Lights red while the laser beam is being emitted from the laser light window or a signal is being sent from the remote control to the projector. LASER LIGHT window A laser beam is emitted from here (p.14). VIDEO button Select the VIDEO input source. (p.

40) COMPUTER button Select the COMPUTER input source. (pp.30-31,41) AUTO PC button

Automatically adjust the computer image to its optimum setting. (pp.28,33,47) EYESTONE button K Correct keystone distortion.

(pp.26,48) Point (VOLUME +/-) buttons Select an item or adjust the value in the On-Screen Menu. (p.24) Pan the image in the Digital zoom + mode. (p.

39) Adjust the volume level. (Point buttons) (p.27) MENU button Open or close the On-Screen Menu. (p.24) FREEZE button Freeze the picture on the screen. (p.28) LASER button Operate the Laser pointer function. Laser beam is emitted while pressing this button within 1 minute. When using this laser pointer for more than 1 minute, release the LASER button and press it again. (p.

14) Display the Pointer on the screen. (p.14) PAGE buttons Scroll back and forth the pages on the screen when giving a presentation. To use these buttons, connect the projector and your computer with a USB cable. (pp.11, 19) LAMP CONTROL button Select a lamp mode. (pp.28,53) D.ZOOM buttons Zoom in and out the images.



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(pp.

28,39) **RESET/ON/ALL-OFF** switch When using the remote control, set this switch to "ON." Set it to "ALL OFF" for power saving when it is not used. Slide this switch to "RESET" to initialize the remote control code or switch Spotlight and Pointer to the Laser pointer function. (pp.14-15) **IMAGE** button Select the image mode.

(pp.29,36,43) **MUTE** button Mute the sound. (p.27) **P-TIMER** button Operate the P-timer function. (p.

29) **NO SHOW** button Temporarily turn off the image on the screen. (p.29) **R-CLICK** button Act as the right mouse button for wireless mouse operation. (p.15) **SELECT** button Execute the selected item. (p.24) **Expand or compress the image in Digital zoom mode.** (p.39) **PRESENTATION POINTER** button Move a pointer of the projector or a pointer for wireless mouse operation. (pp.

14-15) **AUTO SET/CANCEL** button Correct vertical keystone distortion and adjust the PC display parameters. (pp.26, 47) - Display the image in SD card or return to the menu bar in Memory Viewer menu. Refer to the owner's manual of "Network Set-up and Operation". **NETWORK** button Select the Network input or Memory viewer input. See the owner's manual of "Network Set-up and Operation". To ensure safe operation, please observe the following precautions: Do not bend, drop, or expose the remote control to moisture or heat. For cleaning, use a soft dry cloth. Do not apply benzene, thinner, spray, or any chemical material. 1 Part Names and Functions Laser Pointer Function This remote control emits a laser beam from the laser light window.

Press the **LASER** button to activate the laser pointer. This signal emission indicator lights red and the red laser beam is emitted. If the **LASER** button is pressed for more than one minute or if it is released, the laser light goes off.

The laser emitted is a Class III laser. Do not look into the laser light window or point the laser beam at yourself or other people.

The following is the caution label for the laser beam. **CAUTION:** Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Never look directly into the laser light window while a laser is emitted, otherwise eye damage may result.

The caution label is put on the remote control. Signal Emission Indicator Laser Light Window Pointer Function You can move the Spotlight or Pointer of the projector with the remote control to emphasize a part of the projected image.

1 Press and hold the **MENU** and **NO SHOW** buttons for more than 10 seconds to activate the Pointer function. (The Laser pointer has switched to the Pointer function.) Press the **LASER** button on the remote control pointing toward the projector. The Spotlight or Pointer is displayed on the screen with the **LASER** button lighting green. Then move the Spotlight or Pointer with the **PRESENTATION POINTER** button. If the **LASER** button does not light green and continues to emit a laser beam, try the above mentioned procedure until the **LASER** button lights green. To clear the Spotlight or Pointer out of the screen, press the **LASER** button pointing toward the projector and see if the **LASER** button lighting is turned off. To switch to the Laser pointer again, press and hold the **NO SHOW** and **MENU** buttons for more than 10 seconds or slide the **RESET/ON/ALL-OFF** switch to "RESET" and then to "ON". When you reset the Pointer function, the remote control code will be reset, as well. Pointer Spotlight **PRESENTATION POINTER** button **MENU** button **NO SHOW** button Press and hold the **MENU** and **NO SHOW** buttons for more than 10 seconds.

PRESENTATION POINTER button **LASER** button After the Laser pointer has switched to the Pointer, use the **LASER** button as the Pointer function ON-OFF switch. Press the **LASER** button pointing toward the projector and see if it lights green. Note: You can choose the size of Spotlight (Large/Middle/ Small) and the pattern of Pointer (Arrow/Finger/Dot) in the Setting Menu. See "Pointer" on page 53. 1 Part Names and Functions wireless Mouse Operation

The remote control can be used as a wireless mouse for your computer. 1 Before operating the wireless mouse, connect your computer and the projector with a USB cable (not supplied). See "Connecting to a Computer" on page 19. When the Pointer function is used, the wireless mouse is not available. When a USB cable is connected to the computer and the projector, turn on the projector first, then the computer. If you turn on the computer first, the wireless mouse function may not operate correctly.

PRESENTATION POINTER button Move the pointer on the screen with this button. **R-CLICK** button Acts as right (click) mouse button while the projector and a computer are connected with a USB cable. **L-CLICK** button Acts as left (click) mouse button while the projector and a computer are connected with a USB cable. Remote Control Code The eight different remote control codes (Code 1 Code 8) are assigned to this projector. Switching the remote control codes prevents interference from other remote controls when several projectors or video equipment next to each other are operated at the same time.

Change the remote control code for the projector first before changing that for the remote control. See "Remote control" in the Setting Menu on page 53. 1 Press and hold the **MENU** and **IMAGE** buttons for more than five seconds to switch between the codes. The code switches sequentially for one pressing the **IMAGE** button. See the list below.

To initialize the remote control code, slide the **RESET/ ON/ALL-OFF** switch to "RESET," and then to "ON." The initial code is set to Code 1. Number of Times Pressing **IMAGE** Button 1 5 6 7 8 While pressing the **MENU** button, press the **IMAGE** button number of times corresponding to the remote control code. Remote Control Code Code 1 Code Code Code Code 5 Code 6 Code 7 Code 8 **MENU** button **IMAGE** button **RESET/ON/ALL-OFF** switch 15 Part Names and Functions Remote Control Battery Installation 1 Open the battery compartment lid. Press the lid downward and slide it. Install new batteries into the compartment.

Two AAA size batteries For correct polarity (+ and), be sure battery terminals are in contact with pins in compartment. Replace the compartment lid.

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. Remote Control Operating Range 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) and 60 degrees in front of the projector.

16.4' (5m) 30° 30° Remote control Adjustable Feet Projection angle can be adjusted up to 8.9 degrees with the adjustable feet.

Lift the front of the projector and pull the feet lock latches on both sides of the projector upward. Release the feet lock latch to lock the adjustable feet and rotate the adjustable feet to a proper height, and tilt.



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Keystone distortion can be adjusted automatically with the Auto setup function or manually by using the remote control or the menu operation (see pages 26, 47-48).

Adjustable Feet Feet Lock Latches 16 Installation Positioning the Projector

For projector positioning, see the figures below. The projector should be set perpendicular to the plane of the screen. Notes: 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. A B 9 1 37.4' (11.4 m) 23.6' (7.2 m) 15.7' (4.8 m) 11.8' (3.6 m) 7.

9' (2.4 m) 3.0' (0.9 m) 100" 40" 95" 64" B 150" 126" 200" 300" Max. Zoom 300" Min. Zoom 189" A Screen Size (W x H) mm 4 : 3 aspect ratio 40" 813 x 610
4.9' (1.5m) 3.0' (0.9m) 100" 2032 x 1524 12.

5' (3.8 m) 7.9' (2.4 m) 150" 3048 x 2286 18.7' (5.7 m) 11.8' (3.6 m) 200" 4064 x 3048 24.9' (7.6 m) 15.

7' (4.8 m) 300" 6096 x 4572 37.4' (11.4m) 23.6' (7.2 m) Zoom (min) Zoom (max) 17 Installation Connecting the AC Power Cord This projector uses nominal input voltages of 100-120 V or 200-240 VAC 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. Connect the projector with all peripheral equipment before turning the projector on.

Connect the AC power cord (supplied) to the projector. CAUTION The AC outlet must be near this equipment and must be easily accessible. Notes: Unplug the AC power cord when the projector is not in use. When this projector is connected to an outlet with the AC power cord, it is in Stand-by mode and consumes a little electric power. NOTE ON THE POWER CORD AC power cord must meet requirements of the country where you use the projector.

Confirm the AC plug type with the chart below and proper AC power cord must be used. If supplied AC power cord does not match your AC outlet, contact your sales dealer. Projector side For the U.S.A.

and Canada Ground AC outlet side For Continental Europe For the U.K. Top power cord connector on your projector. To the AC outlet. (10 V AC) To the AC outlet.

(00 - 0 V AC) To the AC outlet. (00 - 0 V AC) 18 Installation Connecting to a Computer Cables used for connection -VGA Cable (Mini D-sub 15 pin)* -DVI-VGA Cable -DVI Cable -USB Cable -Audio Cables (*One cable is supplied; other cables are not supplied with the projector.) Audio Output USB port Monitor Output Monitor Input Monitor Output Monitor Output External Audio Equipment Audio Input USB Cable VGACable VGACable DVI-VGA cable DVI cable Audio cable (stereo) USB COMPUTER IN 2/ MONITOR COMPUTER IN 1 COMPONENT OUT DVI-I Audio cable (stereo) KB3AC COMPUTER/ COMPONENT AUDIO IN SD AUDIO OUT (stereo) Notes: -Input sound to the COMPUTER/COMPONENT AUDIO IN terminal when using the COMPUTER IN 1/DVI-I and the COMPUTER IN 2/COMPONENT IN terminal as input. -When the AUDIO OUT is plugged-in, the projector's built-in speaker is not available.

-USB cable connection is needed when operating the computer with the remote control or using the PAGE buttons on the remote control.

Unplug the power cords of both the projector and external equipment from the AC outlet before connecting cables. 19 Installation Connecting to Video Equipment -Video and Audio Cable (RCA x3) -S-VIDEO Cable -Audio Cable (Cables are not supplied with the projector.) Cables used for connection Composite Video and Audio Output (Video) (L) (R) S-video Output External Audio Equipment Video and audio cable S-video cable Audio Input VIDEO AUDIO IN S-VIDEO Audio cable (stereo) KB3AC SD AUDIO OUT (stereo) Notes: -When the AUDIO OUT is plugged-in, the projector's built-in speaker is not available. -The S-VIDEO jack connection overrides the VIDEO jack connection when selecting AUTO in the Input Menu (p.40). Unplug the power cords of both the projector and external equipment from the AC outlet before connecting cables. 0 Installation Connecting to Component Video Equipment Cables used for connection

-Audio Cables -Scart-VGA Cable -Component Cable -Component-VGA Cable (Cables are not supplied with this projector.) RGB Scart 21 pin Output Component Video Output (Y,Pb/Cb,Pr/Cr) Audio Output Component cable External Audio Equipment Scart-VGA cable Component VGACable Audio cable (stereo) Audio Input COMPUTER IN 2/COMPONENT IN COMPUTER/COMPONENT AUDIO IN Audio cable (stereo) KB3AC SD AUDIO OUT (stereo) Notes: -When the AUDIO OUT is plugged-in, the projector's built-in speaker is not available. -See page 73 for ordering optional cables. RGB Scart signal cannot be output from the MONITOR - OUT terminal.

Unplug the power cords of both the projector and external equipment from the AC outlet before connecting cables. 1 Basic Operation Turning On the Projector 1 Complete peripheral connections (with a computer, VCR, etc.) before returning 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 10, 60). Press the POWER ON/SYND-BY button on the top control or on the remote control. The POWER indicator lights green and the cooling fans start to operate. The preparation display appears on the screen and the countdown starts. After the countdown, the input source that was selected the last time and the lamp control status icon (see page 53) appear on the screen.

If the projector is locked with a PIN code, PIN code input dialog box will appear. Enter the PIN code as instructed below. 16

The preparation display will disappear after 30 seconds. Selected Input Source and Lamp Control Lamp control status (See page 53 for Lamp control status.) Note: The Filter warning and Lamp replacement icons may appear on the screen depending on the usage state of the projector.

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. 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. Enter a PIN code PIN Code Input Dialog Box After the OK icon disappears, you can operate the projector. Notes: -When the Logo select function is set to "Off," the logo will not be shown on the screen (p.50). -When the "Countdown off" or "Off" is selected in the Display function, the countdown will not be shown on the screen (p.



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48). During the countdown period, all operations are invalid.

If the correct PIN code number is not entered within three minutes after the PIN code dialog box appeared, the projector will be turned off automatically. The "1234" is set as the initial PIN code at the factory. When the Input Search function is set to "On2", the input signal will be searched automatically (p.51) what is PIN code? PIN (Personal Identification Number) code is a security code that allows the person who knows it to operate the projector. Setting a PIN code prevents unauthorized use of the projector. A PIN code consists of a four-digit number. Refer to the PIN code lock function in the Setting Menu on pages 54-55 for locking operation of the projector with your PIN code. CAUTION ON HANDLING PIN CODE If you forget your PIN code, the projector can no longer be started. Take a special care in setting a new PIN code; write down the number in a column on page 76 of this manual and keep it at hand. Should the PIN code be missing or forgotten, consult your dealer or service center.

Basic Operation Turning Off the Projector 1 Press the POWER ON/STAND-BY button on the top control or on the remote control, and "Power off?" appears on the screen. Press the POWER 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.

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. "Power off?" disappears after 4 seconds. TO MAINTAIN THE LIFE OF THE LAMP, ONCE YOU TURN THE PROJECTOR ON, WAIT AT LEAST FIVE MINUTES BEFORE TURNING IT OFF. DONOT OPERATE THE PROJECTOR CONTINUOUSLY WITHOUT REST.

CONTINUOUS USE MAY RESULT IN SHORTENING THE LAMP LIFE. TURN OFF THE PROJECTOR AND LET STAND FOR ABOUT AN HOUR IN EVERY 24 HOURS. Notes: When the On start function is set to "On," the projector will be turned on automatically by connecting the AC power cord to an AC outlet (p.53). The running speed of cooling fans is changed according to the temperature inside the projector. Do not put the projector in a case before the projector is cooled enough. If the WARNING indicator blinks or lights red, see "Warning Indicators" on page 58. While the POWER indicator is blinking, the lamp is being cooled down and the projector cannot be turned on. Wait until the POWER indicator stops blinking to turn on the projector again. The fan rotation will terminate directly if the AC power cord is unplugged immediately after the projector is turned off.

The projector can be turned on after the POWER indicator turns red. The waiting time to restart will be shortened when the normal power-off processing for fan cooling is completed, compared with the time the AC power cord is immediately unplugged after the power-off. Basic Operation How to Operate the On-Screen Menu The projector can be adjusted or set via the On-Screen Menu. For each adjustment and setting procedure, refer to the respective sections in this manual.

Top Control 1 Press the MENU button on the top control or the remote control to display the On-Screen Menu. Use the Point button to select a menu icon. Use the Point button to select an item in the selected menu. Press the SELECT button to show the item data. Use the Point button to adjust the values. To close the On-Screen Menu, press the MENU button again.

SELECT button MENU button POINT buttons Remote Control POINT buttons Note: The selected item is not active until the SELECT button is pressed. SELECT button MENU button On-Screen Menu Menu icon Menu bar Pointer (red frame) Pointer (red frame) Press the Point button to move the pointer. Item SELECT button Press the SELECT button here to display previous items. Item data Press the Point button to adjust the value. Press the SELECT button here to display next items.

Quit Exit this menu. Basic Operation Menu Bar For detailed functions of each menu, see "Menu Tree" on pages 67-68. For computer source Guide window PC System Menu Image Select Menu Used to select an image mode among Dynamic, Standard, Real, Blackboard (Green), and Image 14 (p.36). Screen Menu Used to adjust size of the image [Normal/ True/Wide/Full/ Custom/Digital zoom +/-] (pp.

3839). Setting Menu Used to set the projector's operating configurations (pp.47-57). wireless Menu See owner's manual "Network Set-up and Operation". Show the selected Used to select computer system Menu of the On-Screen Menu. (p.32). Input Menu Used to select an input source either Computer or Video. (pp.30-31).

PC Adjust Menu Used to adjust parameters to match with input signal format (pp.3335). Image Adjust Menu Used to adjust computer image [Contrast/Brightness/Color temp./White balance (R/G/B)/Sharpness/Gamma] (pp.3738). Sound Menu Used to adjust the volume or mute the sound (p.27). wired Menu See owner's manual "Network Set-up and Operation". For video source Input Menu Used to select an input Used to select an image mode source either Video or among Dynamic, Standard, Computer (pp.40,41).

Cinema, Blackboard (Green) and Image 14 (p.43). Image Select Menu Screen Menu Used to set size of image [Normal/Wide/ Custom] (pp.46,47). Same function as menu for computer source.

AV System Menu Used to select system of selected video source (p.42). Image Adjust Menu Used to adjust picture image [Contrast/Brightness/Color/Tint/ Color temp./White balance (R/ G/B)/Sharpness/Gamma/ Noise reduction/Progressive] (pp.4445).

Same function as computer menu. 5 Basic Operation Zoom and Focus Adjustment Rotate the Zoom Lever to zoom in and out.

Rotate the Focus Ring to adjust the focus of the image. Zoom Lever Focus Ring Auto Setup Function Auto setup function is provided to automatically correct Keystone distortion according to the projector's tilt and adjust the computer display parameters (Fine sync, Total dots, and Picture position) by just pressing the AUTO SETUP/CANCEL button on the top control or the AUTO SET/CANCEL button on the remote control. The operational setup for the Auto setup can be changed in the Setting menu. Refer to page 47 for the setting of the Auto setup function. Notes:

Auto Keystone corrects vertical distortion only; it does not correct horizontal distortion. Auto Keystone cannot work when Ceiling feature is set to "On" in the Setting menu (p.51). Perfect correction of the image distortion cannot be ensured with the Auto setup function.

If the distortion cannot be corrected properly by pressing the AUTO SETUP/CANCEL or AUTO SET/CANCEL button, adjust manually by pressing the KEYSTONE button on the top control or on the remote control or selecting Keystone in the Setting menu (p.48). Fine sync, Total dots, Horizontal and Vertical position of some computers cannot be fully adjusted with the Auto PC Adjustment function. When the image is not provided properly with this operation, manual adjustments are required (pp.



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3435). Top Control AUTO SETUP/CANCEL button POINT buttons Remote Control KEySTONE button AUTO SET/CANCEL button POINT buttons Keystone Correction If a projected picture still has keystone distortion after pressing the AUTO SETUP/CANCEL button on the top control or the AUTO SET/CANCEL button on the remote control, correct the image manually as follows: Press the KEYSTONE button on the remote control. The Keystone dialog box appears. Use the Point buttons to correct keystone distortion. The keystone adjustment can be stored (p.48).

Reduce the upper width with the Point button. Reduce the lower width with the Point button. The white arrows indicate that there is no correction. A red arrow indicates the direction of correction. A narrow red arrow disappears at the maximum correction.

If you press the KEYSTONE button on the remote control once more while the keystone dialog box is being displayed, the keystone adjustment will be canceled. The adjustable range is limited depending on the input signal. 6 Basic Operation Sound Adjustment Direct Operation 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. Top Control VOLUME +/- buttons Press the MUTE button on the remote control to temporarily turn off the sound.

To turn the sound back on, press the MUTE button again or press the VOLUME +/- buttons. The Mute function is also effective for the AUDIO OUT jack. Mute Remote Control POINT button VOL- () button VOL+ () button POINT button Menu Operation 1 Press the MENU button to display the On-Screen Menu.

Use the Point buttons to move the red frame pointer to the Sound Menu icon. Use the Point buttons to move the red frame pointer to the desired item, and then press the SELECT button. Volume MUTE button Volume Dialog Box Approximate level of the volume. Press the VOL+ button to turn up the volume; press the VOL- button to turn down the volume. Mute Press the Point button to switch the mute function On/Off. When the sound is turned off, "On" is displayed. Press the VOLUME +/- buttons again to turn the sound back on.

Press the MUTE button to set the Mute function On or Off. The dialog box disappears after 4 seconds. Sound Menu Sound Menu icon Approximate level of the volume. Exit the Sound Menu. 7 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/VIDEO/NETWORK button Press the COMPUTER, VIDEO, or NETWORK button on the remote control to select the input source. See pages 3031, 40-41 for details. Refer to the owner's manual "Network Set-up and Operation" for details about the network input. Remote Control VIDEO button COMPUTER button AUTO PC button NETWORK button FREEZE button Press the FREEZE button on the remote control to freeze the picture on the screen.

To cancel the Freeze function, press the FREEZE button again or press any other button. POINT buttons FREEZE button D.ZOOM buttons AUTO PC button Press the AUTO PC button on the remote control to operate the Auto PC Adj. function. The computer screen adjustment can be done easily by pressing this button.

See page 33 for details. NO SHOW button P-TIMER button LAMP CONTROL button IMAGE button D.ZOOM buttons Press the D.ZOOM button on the remote control to enter the Digital zoom +/- mode. See page 39 for details.

Note: LAMP CONTROL button Press the LAMP CONTROL button on the remote control to select the lamp mode for changing the brightness on the screen. Auto.....

.. The brightness according to the input signal (between High and Eco mode). High.....

.... Brighter than the Normal mode.

Normal

. Normal brightness . Eco.....

.... Lower brightness reduces the lamp power consumption and extends the lamp life. See the next page for the description of other buttons. 8 Basic Operation NO SHOW button Press the NO SHOW button on the remote control to blackout the image. To restore to normal, press the NO SHOW button again or press any other button. When a projected image is captured and set as "User" in the Logo selection (p.49), the screen changes each time you press the NO SHOW button as follows. blackout the captured image normal "Noshow" disappears after 4 seconds. P-TIMER button Press the P-TIMER button on the remote control. The P-Timer display "00:00" appears on the screen and the countdown starts (00:0059:59). To stop the countdown, press the P-TIMER button. To cancel the P-Timer function, press the P-TIMER button again.

P-Timer display IMAGE button Press the IMAGE button on the remote control to select a desired image mode of the screen. See pages 36, 43 for details. NO SHOW button P-TIMER button IMAGE button Note: See the previous page for the description of other buttons. 9 Computer Input Input Source Selection (RGB: Computer 1 (Analog)/Computer) Direct Operation Choose either Computer 1 (Analog) or Computer 2 by pressing the INPUT button on the top control or press the COMPUTER button on the remote control. Before using these buttons, correct input source should be selected through Menu operation as described below.

INPUT button Computer 1 (Analog) Computer 1 (Digital) Computer Video wired wireless Top Control Remote Control COMPUTER button Computer 1 (Analog) Computer 1 (Digital) Computer Menu Operation Input Menu icon 1 Press the MENU button to display the On-Screen Menu. Use the Point buttons to move the red frame pointer to the Input Menu icon. Use the Point buttons to move the red arrow pointer to either Computer 1 (Analog) or Computer 2, and then press the SELECT button. When selecting Computer 1 (Analog), RGB input source will be selected directly. When selecting Computer 2, the Source Select Menu appears. Move the pointer to RGB and then press the SELECT button. Input Menu Move the pointer (red arrow) to Computer 1 (Analog) and press the SELECT button. Input Menu icon -Wired and Wireless are for the Network function. See owner's manual "Network Set-up and Operation". When the Input Search function is set to "On1" or "On2", the input signal will be searched automatically (p.

51). Notes: Move the pointer (red arrow) to Computer 2 and press the SELECT button. Computer Move the pointer (red arrow) to RGB. 0 Computer Input Input Source Selection (RGB(PC digital), RGB(AV HDCP)) Direct Operation Choose Computer 1 (Digital) by pressing the INPUT button on the top control or press the COMPUTER button on the remote control. Before using these buttons, correct input source should be selected through Menu operation as described below. Top Control INPUT button Computer 1 (Analog) Computer 1 (Digital) Computer Video wired wireless Remote Control COMPUTER button Computer 1 (Analog) Menu Operation 1 Press the MENU button to display the On-Screen Menu. Use the Point buttons to move the red frame pointer to the Input Menu icon. Use the Point buttons to move the red arrow pointer to Computer 1 (Digital), and then press the SELECT button. After the Source Select Menu appeared for Computer 1 (Digital), move the pointer to RGB(PC digital) or RGB (AV HDCP), and then press the SELECT button.



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Computer 1 (Digital) Computer Input Menu icon Input Menu Move the pointer (red arrow) to Computer 1 (Digital) and press the SELECT button.

Notes: ·HDCP (High-bandwidth Digital Content Protection) is a system for protecting digital entertainment content delivered by DVI (Digital Visual Interface) from being copied. The specification of HDCP is decided and controlled by Digital Content Protection, LLC. Should the specification be changed, this projector may not display the digital content protected by HDCP. ·Wired and Wireless are for the Network function. See owner's manual "Network Set-up and Operation".

·When the Input Search function is set to "On1" or "On2", the input signal will be searched automatically (p.51). Computer 1 Move the pointer to the source that you want to select and press the SELECT button. 1 Computer Input Computer System Selection

This projector automatically tunes to various types of computers based on VGA, SVGA, XGA, SXGA, WXGA, or UXGA with its Multi-scans 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 70-71.) One of the following messages may appear when: Auto The projector cannot recognize the connected signal conforming to the provided PC Systems. The "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.34-35). There is no signal input from the computer. Check the connection between your computer and the projector. (See "Troubleshooting" on page 63.) The preset system is manually adjusted in the PC Adjust Menu. The adjusted data can be stored in Mode 15 (pp.

34-35). PC Systems provided in this projector is chosen. The projector chooses a proper system provided in the projector and displays it. PC System Menu The Auto PC Adjustment function operates to adjust the projector. ----- Mode 1 SVGA 1 *Mode 1 and SVGA 1 are examples. Selecting Computer System Manually PC system can also be selected manually. PC System Menu 1 Press the MENU button to display the On-Screen Menu. Use the Point button to move the red frame pointer to the PC System Menu icon. Use the Point button to move the red arrow pointer to the desired system and then press the SELECT button. The PC System Menu icon Selected system is displayed.

Systems in this dialog box can be selected. Customized Mode (15) set in the PC Adjust Menu (pp.3435). Computer Input Auto PC Adjustment Auto PC Adjustment function is provided to automatically adjust Fine sync, Total dots, Horizontal and Vertical position to conform to your computer. Direct Operation The Auto PC adjustment function can be operated directly by pressing the AUTO PC button on the remote control.

Remote Control AUTO PC button Menu Operation Auto PC Adj. Press the MENU button to display the On-Screen Menu. Use the Point button to move the red frame pointer to the PC Adjust Menu icon. Use the Point button to move the red frame pointer to Auto PC Adj. and then press the SELECT button twice.

PC Adjust Menu 1 PC Adjust Menu icon Move the red frame pointer to Auto PC Adj. and press the SELECT button. "Please wait..." appears while the Auto PC adjustment is in process. To store adjustment parameters The adjusted parameters from the Auto PC Adjustment can be stored in the projector. Once the parameters are restored, the setting can be done just by selecting a Mode (15) in the PC System Menu (p.32). See also "Store" on page 35.

Notes: ·Fine sync, Total dots, Horizontal and Vertical position of some computers cannot be fully adjusted with the Auto PC Adjustment function. When the image is not provided properly with this operation, manual adjustments are required (pp.3435).

The Auto PC Adjustment cannot be operated when 480i, 575i, 480p, 575p, 720p, 1035i, or 1080i is selected in the PC System Menu (p.32), or when the signal is coming from the DVI-terminal. Computer Input Manual PC Adjustment Some computers employ special signal formats which may not be tuned by Multi-scans system of this projector. Manual PC Adjustment enables you to precisely adjust several parameter 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. 1 Press the MENU button to display the On-Screen Menu.

Use the Point buttons to move the red frame pointer to the PC Adjust Menu icon. Use the Point buttons to move the red frame pointer to the desired item and then press the SELECT button to display the adjustment dialog box. Use the Point button to adjust the setting value. PC Adjust Menu PC Adjust Menu icon Move the red frame pointer to the desired item and press the SELECT button. Fine sync Use the Point button to adjust the value, eliminating a flicker from the image displayed (from 0 to 31).

Status (Stored/Free) of the selected Mode. Selected Mode Total dots Use the Point button to adjust the number of total dots in one horizontal period to match your PC image. Use the Point buttons to adjust the value. Horizontal Use the Point buttons to adjust the horizontal picture position. Press the SELECT button here to adjust the other items.

Vertical Use the Point buttons to adjust the vertical picture position. Current mode Press the SELECT button to show H-sync freq. and V-sync freq. of the connected computer. Clamp Use the Point button to adjust the clamp level. When the image has dark bars, try this adjustment. Press the SELECT button at Current mode to show the information of the connected computer. Computer Input Display area H Use the Point button to adjust the horizontal area displayed by this projector. Display area V Use the Point button to adjust the vertical area displayed by this projector. Move the red frame pointer to the desired item and press the SELECT button.

Reset 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 SELECT button. Move the red arrow pointer to the Mode that you want to clear and then press the SELECT button. To clear adjusted data parameters. This Mode has stored Store To store the adjusted data, select Store and then press the SELECT button. Move the red arrow pointer to one of the Modes 1 to 5 in which you want to store, and then press the SELECT button. Vacant Values of "Total dots", "Horizontal", "Vertical", "Display area H", and "Display area V". Quit Exit the PC Adjust Menu.

To store adjusted data Close this dialog box. Notes: ·Display area (H/V) cannot be selected when 480i, 575i, 480p, 575p, 720p, 1035i, or 1080i is selected in the PC System Menu (p.32). ·PC Adjust Menu cannot be selected when Computer 1 (Digital) is selected in the Input Menu (p.31).

5 Computer Input Image Mode Selection Direct Operation Select the desired image mode from among Dynamic, Standard, Real, Blackboard (Green), Image 1, Image 2, Image 3, and Image 4 by pressing the IMAGE button on the remote control. Dynamic For viewing pictures in a bright room.



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