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You can read the recommendations in the user guide, the technical guide or the installation guide for HITACHI CP-X400. You'll find the answers to all your questions on the HITACHI CP-X400 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HITACHI CP-X400
User guide HITACHI CP-X400
Operating instructions HITACHI CP-X400
Instructions for use HITACHI CP-X400
Instruction manual HITACHI CP-X400

Projector
CP-X200/CP-X300/CP-X400
User's Manual (detailed)
Operating Guide



Thank you for purchasing this projector.

▲WARNING ► Before using this product, please read all manuals for this product. Be sure to read "Safety Guide" first. After reading them, store them in a safe place for future reference.

About this manual

Various symbols are used in this manual. The meanings of these symbols are described below.

▲WARNING This symbol indicates information that, if ignored, could possibly result in personal injury or even death due to incorrect handling.

▲CAUTION This symbol indicates information that, if ignored, could possibly result in personal injury or physical damage due to incorrect handling.

Please refer to the pages written following this symbol.

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Manual abstract:

@@The meanings of these symbols are described below. @@CAUTION This symbol indicates information that, if ignored, could possibly result in personal injury or physical damage due to incorrect handling. Please refer to the pages written following this symbol. NOTE The information in this manual is subject to change without notice. The manufacturer assumes no responsibility for any errors that may appear in this manual. The reproduction, transfer or copy of all or any part of this document is not permitted without express written consent. @@@@ Windows is a registered trademark of Microsoft Corporation. @@

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60 Projector features / Preparations Projector features This projector has a capability to project various picture signals onto a screen. This projector requires only a minimal amount of space for installation and can produce a large projected image from even a short distance. This projector boasts a variety of I/O port and low noise. These features provide you with the broad use of this projector. Preparations Contents of package Please see the "Contents of package" in the "User's Manual (concise)" which is a book. Your projector should come with the items shown there. Contact immediately your dealer if anything is missing. NOTE · Keep the original packing materials, for future reshipment. Be sure to use the original packing materials when moving the projector. Use special caution for the lens.

Fastening the lens cover To avoid losing the lens cover, please fasten the lens cover to the projector using the enclosed strap. to strap hole of the cover. 1. Fix the strap through the strap hole Thread one of the of the lens cover and make the loop at the end, and let the other end of the strap through the loop. Not have a knot in the strap at either end.

2. Fix the strap to the strap hole of the projector. Thread the other end of the strap through the strap hole of the projector and make the loop there. Let the lens cover with the one end of strap through the loop. Part names Part names Projector (1) Lamp cover (51) The lamp unit is inside.
(2) Focus ring (18) (3) Zoom ring (18) (4) Control panel (5) (5) Elevator buttons (x 2) (18) (6) Elevator feet (x 2) (18) (7) Remote sensor (13) (8) Lens (18, 54) (9) Lens cover (3) (10) Intake vents (11) Filter cover (53) The air filter and intake vent are inside. (12) Speaker (35) (13) Exhaust vent (14) AC inlet (12) (15) Power switch (15) (16) Rear panel (5) (17) Security bar (12) (18) Security slot (12) (6) HOT! (1) (2) (3) (4) (8) (9) (6) (11) (5) (7) (6) (6) (10) (10) HOT! (13) (4) (11) (12) (18) (16) (17) (13) (1) (14) (15) WARNING HOT! : Do not touch around the lamp cover and the exhaust vents during use or just after use, since it is too hot. Do not look into the lens or vents while the lamp is on, since the strong light is not good for your eyes. Do not handle the elevator buttons without holding the projector, since the projector may drop down. CAUTION Maintain normal ventilation to prevent the projector from heating up. Do not cover, block or plug up the vents. Do not place anything that can stick or be sucked to the vents, around the intake vents. Clean the air filter periodically. 4

Part names Control panel (1) STANDBY/ON button (15) (2) INPUT button (16, 22) (3) MENU button (22) It consists of four cursor buttons. (4) POWER indicator (15, 56) (5) TEMP indicator (56) (6) LAMP indicator (56) (6) (5) (4) (1) (3) (2) Rear panel (1) AUDIO IN1 port (10) (2) AUDIO IN2 port (10) (3) AUDIO OUT port (10) (4) COMPUTER IN1 port (10) (5) COMPUTER IN2 port (10) (6) MONITOR OUT port (10) (7) Shutdown switch (57) (8) CONTROL port (10) (9) USB port (10) (10) COMPONENT (Y, Cb/Pb, Cr/Pr) port (10) (11) VIDEO port (10) (12) S-VIDEO port (10) (13) AUDIO IN3 (L,R) ports (10) (10) (1) (3) (4) (5) (6) (7) (2) (8) (9) (11) (13) (12) CAUTION Do not use the security bar and slot to prevent the projector from falling down, since it is not designed for it.

Use the shutdown switch only when the projector is not turned off by normal procedure, since pushing this switch stops operation of the projector without cooling it down. 5 Part names Remote control (1) VIDEO button (17) (2) COMPUTER button (16) (3) SEARCH button (17) (4) STANDBY/ON button (15) (5) ASPECT button (17) (6) AUTO button (19) (7) BLANK button (21) (8) MAGNIFY - ON button (20) (9) MAGNIFY - OFF button (14, 20) (10) HOME button (14) (11) END button (14) (12) PAGE UP button (14) (13) PAGE DOWN button (14) (14) VOLUME button (16) (15) MUTE button (14, 16) (16) FREEZE button (21) (17) MY BUTTON - 1 button (42) (18) MY BUTTON - 2 button (42) (19) KEYSTONE button (20) (20) POSITION button (19, 22) (21) MENU button (22) (22) // cursor buttons (14, 22, 23) (23) ENTER button (14, 22, 23) (24) ESC button (14, 22) (25) RESET button (14, 22, 23) (26) Battery cover (13) (2) (1) (5) (10) (8) (9) (11) (16) (17) (20) (22) (24) VIDEO COMPUTER SEARCH ASPECT AUTO BLANK MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 KEYSTONE 2 POSITION MENU ENTER ESC RESET (3) (4) (6) (7) (12) (14) (15) (13) (19) (18) (21) (23) (25) Back of the remote control (26) 6 Setting up Setting up Install the projector according to the environment and manner the projector will be used in.



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Arrangement Refer to the illustrations and tables below to determine screen size and projection distance. <CP-X200 / CP-X400> The values shown in the table are calculated for a full size screen: 1024x768. (a) Screen size (diagonal) (b) Projection distance (±10%) (c1), (c2) Screen height (±10%) On a horizontal surface Suspended from the ceiling · Keep a space of 30 cm or more between the sides of the projector and other objects such as walls. · Consult with your dealer before a special installation such as suspending from a ceiling. a Screen size (diagonal) inch 30 40 50 60 70 80 90 00 0 50 00 50 300 m 0.8

1.0 1.3 1.

5 1.8 2.0 2.3 2.5 3.

0 3.8 5.1 6.4 7.6 4 : 3 screen b c1 Projection distance Screen height min.
max. m inch m inch cm inch 0.9 1.2 1.5 1.8 2.1 2.4 2.7 3.0 3.

6 4.5 6.0 7.5 9.0 34 1.1 46 1.4 58 1.8 70 2.1 8 2.5 93 2.

8 05 3.2 7 3.6 40 4.3 76 5.4 35 7.

2 94 9.0 35 10.8 4 56 70 84 98 6 40 69 8 353 43 4 6 55 69 7 8 3 96 38 0 43 3 49 37 54 65 65 06 8 74 08 343 35 4 6 c2 Screen height cm inch 5 6 8 9 4 5 8 3 30

38 46 3 4 4 5 5 6 7 9 5 8 16 : 9 screen b c1 Projection distance Screen height min. max. m inch m inch cm inch 1.

0 1.3 1.6 1.9 2.3 2.6 2.9 3.2 3.9 4.9 6.

5 8.1 9.8 38 1.1 50 1.5 63 1.9 76 2.3 89 2.7 0 3.1 5 3.5 7 3.

9 53 4.7 9 5.8 56 7.8 30 9.8 384 11.

7 45 6 76 9 07 38 53 84 30 307 384 46 39 5 5 0 64 5 77 30 90 35 03 4 6 46 9 5 54 6 93 76 57 0 3 7 386 5 c2 Screen height cm inch -1 -2 -2 -2 -3 -3 -4 -4 -5 -6

-8 -10 -12 0 -1 -1 -1 -1 -1 -2 -2 -2 -3 -4 -5 7 Setting up Arrangement (continued) <CP-X300> The values shown in the table are calculated for a full size screen: 1024x768. (a) Screen size (diagonal) (b) Projection distance (±10%) (c1), (c2) Screen height (±10%) On a horizontal surface Suspended from the ceiling · Keep a space of 30 cm or more between the sides of the projector and other objects such as walls. · Consult with your dealer before a special installation such as suspending from a ceiling. a Screen size (diagonal) inch 30 40 50 60 70 80 90 00 0 50 00 50 300 m 0.8 1.

0 1.3 1.5 1.8 2.0 2.3 2.5 3.0 3.8 5.1 6.

4 7.6 4 : 3 screen b c1 Projection distance Screen height min. max. m inch m inch cm inch 0.9 1.2 1.5 1.8 2.1 2.4 2.

7 3.0 3.6 4.6 6.1 7.

6 9.1 35 1.1 47 1.4 59 1.8 7 2.

2 83 2.5 95 2.9 07 3.3 9 3.6 43 4.4 79 5.5 39 7.3 99 9.1 359 11.0 43 57 7 86 00 5 9 44 7 6 88 360 43 4 6 55 69 7 8 3 96 38 0 43 3 49 37 54 65 65 06 8 74 08

343 35 4 6 c2 Screen height cm inch 5 6 8 9 4 5 8 3 30 38 46 3 4 4 5 5 6 7 9 5 8 16 : 9 screen b c1 Projection distance Screen height min.

max. m inch m inch cm inch 1.0 1.3 1.6 2.0 2.3 2.6 3.0 3.3 4.

0 4.9 6.6 8.3 9.9 39 1.

2 47 5 1.6 6 65 2.0 78 78 2.4 94 9 2.8 09 04 3.

2 5 7 3.6 4 30 4.0 56 56 4.8 88 95 6.0 35 6 8.0 34 36 10.0 39 39 12.0 47 39 5 5 0 64 5 77 30 90 35 03 4 6 46 9 5 54 6 93 76 57 0 3 7 386 5 c2 Screen height cm inch -1 -2 -2 -2 -3 -3 -4 -4 -5 -6 -8 -10 -12 0 -1 -1 -1 -1 -1 -2 -2 -2 -3 -4 -5 8 Setting up WARNING Place the projector in a stable horizontverted to the projector's panel resolution before being displayed. The best display performance will be achieved if the resolutions of the input signal and the projector panel are identical. · While connecting, make sure that the shape of the cable's connector fits the port to connect with.

And be sure to tighten the screws on connectors with screws. · When connecting a laptop PC to the projector, be sure to activate the PC's external RGBure plus and minus terminals are correctly aligned when loading a battery. · Keep a battery away from children and pets. · Do not recharge, short circuit, solder or disassemble a battery. · Do not allow a battery in a fire or water. Keep batteries in a dark, cool and dry place. · If you observe battery leakage, wipe out the leakage and then replace a battery. If the leakage adheres to your body or clothes, rinse well with water immediately. · Obey the local laws on disposing the battery. About the remote control signal The remote control works with the projector's remote sensor.

This projector has a remote sensor on the front. The sensor senses the signal within the following range when the sensor is active: 60 degrees (30 degrees to the left and right of the sensor) within 3 meters about. Approx. 3m 30° 30° NOTE · The remote control signal reflected in the screen or the like may be available. If it is difficult to send the signal to the sensor directly, attempt to make the signal reflect.

· The remote control uses infrared light to send signals to the projector (Class 1 LED), so be sure to use the remote control in an area free from obstacles that could block the remote control's signal to the projector. · The remote control may not work correctly if strong light (such as direct sun light) or light from an extremely close range (such as from an inverter fluorescent lamp) shines on the remote sensor of the projector. Adjust the position of projector avoiding those lights. 3 Remote control Changing the frequency of remote control signal The accessory remote control has the two choices on signal frequency Mode 1:NORMAL and Mode 2:HIGH. If the remote control does not function properly, attempt to change the signal frequency.

In order to set the Mode, please keep pressing the combination of two buttons listed below simultaneously for about 3 seconds. (1) Set to Mode 1:NORMAL... MUTE and RESET buttons (2) Set to Mode 2:HIGH... MAGNIFY OFF and ESC buttons Please remember that the REMOTE FREQ. in the SERVICE item of the OPTION menu (44) of the projector to be controlled should be set to the same mode as the remote control. VIDEO COMPUTER SEARCH ASPECT AUTO BLANK MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE (2) FREEZE MY BUTTON 1 KEYSTONE 2 (1) POSITION MENU ENTER ESC RESET Using as a simple PC mouse & keyboard The enclosed remote control works as a simple mouse and keyboard of the PC, when the projector's USB port (B type) connects with the PC's USB port (A type) port via a mouse cable.

USB port (1) HOME key: Press HOME button. (2) END key: Press END button. (3) PAGE UP key: Press PAGE UP button. USB USB STORAGE COMPUTER IN1 DC 5V 0.5A (4) PAGE DOWN key: Press PAGE DOWN button. COMPUTER IN2 (5) Mouse left button: Press ENTER button. (1) (6) Move pointer: Use the cursorS-VIDEO K, , and . buttons (7) ESC key: Press ESC button. VIDEO (8) Mouse right button: Press RESET button. (2) ASPECT AUTO MAGNIFY ON AUDIO OUT VIDEO COMPUTER SEARCH AUDIO IN BLANK (3) (4) (6) HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 KEYSTONE 2 CAUTION Improper use of the simple mouse & keyboard function could damage your equipment.

While using this function, please connect this product USB only to a PC. Be sure to check yourDCSTORAGE USB PC's manuals 5V 0.5A LAN before connecting this product to the PC. K (5) COMPUTER(7) IN S-VIDEO VIDEO POSITION MENU ENTER ESC RESET AUDIO OUT (8) AUDIO IN NOTE · When the simple mouse & keyboard function of this product does not work correctly, please check the following.



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- When the mouse cable connects this projector with a PC having a built-in pointing device (e.g. track ball) like a notebook PC, open BIOS setup menu, then select the external mouse and disable the built-in pointing device, because the built-in pointing device may have priority to this function. - Windows 95 OSR 2.1 or higher is required for this function. And also this function may not work depending on the PC's configurations and mouse drivers.

- You cannot do things like press two buttons at once (for instance, pressing two buttons at the same time to move the mouse pointer diagonally). - This function is activated only when the projector is working properly. This function is not available while the lamp is warming up (the POWER indicator blinks green), and while adjusting the volume and display, correcting for keystone, zooming in on the screen, using the BLANK function, or displaying the menu screen. 4 Power on/off Power on/off Turning on the power that the power 1. Make sure to the projector cord is firmly and correctly connected and the outlet. Remove the lens cover, and set the power switch to 2. ON position (marked "I"). The POWER indicator will light up in steady orange (56). Then wait several seconds because the buttons may not function for these several seconds. Press STANDBY/ON button on the projector or the remote control.

The projection lamp will light up and POWER indicator will begin blinking in green. When the power is completely on, the indicator will stop blinking and light in steady green (56). To display the picture, select an input signal according to the section "Selecting an input signal" (16). ASPECT VIDEO COMPUTER SEARCH AUTO BLANK 3. MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEYSTONE POSITION MENU ENTER ESC RESET Turning off the power button on the projector the remote 1. Press the STANDBY/ON on the screen for about 5 seconds. control. The message "Power off?" will appear while the message appears. 2. Press the STANDBY/ON button again POWER indicator will begin blinking in orange.

The projector lamp will go off, and the VIDEO COMPUTER SEARCH ASPECT AUTO BLANK Then POWER indicator will stop blinking and light in steady orange when the lamp cooling is complete (56). Make sure that POWER indicator lights in steady orange, and set the power switch to OFF position (marked "O"). POWER indicator will go off. Attach the lens cover. Do not turn the projector on for about 10 minutes or more after turning it off.

Turning the projector on again too soon could shorten the lifetime of some consumable parts of the projector. MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEYSTONE 3. POSITION MENU ENTER ESC RESET WARNING A strong light is emitted when the projector's power is on. Do not look into the lens of the projector or look inside of the projector through any of the projector's openings. Do not touch around the lamp cover and the exhaust vents during use or just after use, since it is too hot.

NOTE · Turn the power on/off in right order. Please power on the projector prior to the connected devices. Power off the projector after all of connected devices are powered off. · The projector has the AUTO ON function, which can make the projector automatically turn on. For more information, please see AUTO ON item of OPTION menu (40). · Use the shutdown switch (57) only when the projector is not turned off by normal procedure. 5 Operating Operating Adjusting the volume VOLUME VIDEO COMPUTER SEARCH 1. 2. Press VOLUME button on the remote control. A dialog will appear on the screen to aid you in adjusting the volume.

Use the / cursor buttons to adjust the volume. To close the dialog and complete the operation, press the VOLUME button again. Even if you do not do anything, the dialog will automatically disappear after a few seconds. When is selected for current picture input port, the volume adjustment is disable. Please see AUDIO item of SETUP menu (35). ASPECT AUTO BLANK MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEYSTONE POSITION MENU ENTER ESC RESET Temporarily muting the sound / MUTE VIDEO COMPUTER SEARCH 1. Press MUTE button on the remote control. A dialog will appear on the screen indicating that you have muted the sound. To restore the sound, press the MUTE or VOLUME button. Even if you do not do anything, the dialog will automatically disappear after a few seconds.

When is selected for current picture input port, the sound is always muted. Please see AUDIO item of SETUP menu (35). ASPECT AUTO BLANK MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEYSTONE POSITION MENU Selecting an input signal ENTER ESC RESET INPUT 1. Presstime you button on the projector: projector switches Each press the button, the its input port as below. COMPUTER IN 1 COMPUTER IN 2 VIDEO S-VIDEO COMPONENT (Y, Cb/Pb, Cr/Pr) COMPUTER VIDEO COMPUTER SEARCH COMPUTER remote control. 1. Presstime you press button on the the projector switches Each the button, its input port as below. COMPUTER IN 1 COMPUTER IN 2 ASPECT AUTO BLANK If COMPUTER button is pushed to switch from a signal from VIDEO, S-VIDEO or COMPONENT port, when TURN ON is selected for AUTO SEARCH item in OPTION menu (40), the projector will check COMPUTER IN1 port first. If no input is detected at the port, the projector will check COMPUTER IN2 port.

(continued on next page) 6 MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEYSTONE POSITION MENU ENTER ESC RESET Operating Selecting an input signal (continued) VIDEO 1. Presstime you button on the remote control. switches its input Each press the button, the projector port as below. COMPONENT(Y, Cb/Pb, Cr/Pr) S-VIDEO VIDEO VIDEO VIDEO COMPUTER SEARCH ASPECT AUTO BLANK MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE If VIDEO button is pushed to switch from a signal from COMPUTER IN1 or 2 port, when TURN ON is selected for AUTO SEARCH item in OPTION menu (40), the projector will check COMPONENT port first. If no input is detected at the port, the projector will check the other port in above order. FREEZE MY BUTTON 1 POSITION ENTER ESC 2 KEYSTONE MENU RESET Searching an input signal 1. Press SEARCH button on the remote control. The projector will start to check its input ports in order to find any input signals. When an input is found, the projector will stop searching and display the image. If no signal is found, the projector will return to the state selected before the operation.



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COMPUTER IN 1 COMPUTER IN 2 VIDEO S-VIDEO COMPONENT (Y, Cb/Pb, Cr/Pr) SEARCH VIDEO COMPUTER SEARCH ASPECT AUTO BLANK
MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEYSTONE POSITION MENU ENTER Selecting an
aspect ratio ESC RESET ASPECT button on the remote control. 1. Presstime you press the button, the projector switches the Each mode for aspect ratio in
turn. For a computer signal NORMAL 4:3 6:9 SMALL ASPECT VIDEO COMPUTER SEARCH ASPECT AUTO BLANK MAGNIFY ON HOME PAGE UP
VOLUME OFF END PAGE DOWN MUTE For a video signal, s-video signal or component video signal 4:3 6:9 4:9 SMALL For no signal 4:3 (fixed)
ASPECT button does not work when no proper signal is inputted. NORMAL mode keeps the original aspect ratio setting. FREEZE MY BUTTON 1 2
KEYSTONE POSITION MENU ENTER ESC RESET 7 Operating Adjusting the projector's elevator When the place to put the projector is slightly uneven to
the left or right, use the elevator feet to place the projector horizontally. Using the feet can also tilt the projector in order to project at a suitable angle to the
screen, elevating the front side of the projector within 10 degrees. This projector has 2 elevator feet and 2 elevator buttons. An elevator foot is adjustable
while pushing the elevator button on the same side as it. 1.
Holding the projector, push the elevator buttons to loose the elevator feet. 2. Position the front side of the projector to the desired height. 3. Release the
elevator buttons in order to lock the elevator feet.
4. After making sure that the elevator feet are locked, put the projector gently, manually twisted 5. If necessary, the elevator feet can be twisting the feet. to
make more precise adjustments.
Hold the projector when To loose an elevator foot, push the elevator button on the same side as it. To finely adjust, twist the foot. CAUTION Do not handle
the elevator buttons without holding the projector, since the projector may drop down. Do not tilt the projector other than it elevating its front within 10
degrees using the adjuster feet. A tilt of the projector exceeding the restriction could cause malfunction or shortening the lifetime of consumables, or the
projector itself. Adjusting the zoom and focus 1. 2. Use the focus ring to focus the picture. Use the zoom ring to adjust the screen size. Focus ring Zoom ring 8
Operating Using the automatic adjustment feature control.

1. Press AUTO button on the remotefollowing. Pressing this button performs the AUTO VIDEO COMPUTER SEARCH For a computer signal The vertical
position, the horizontal position and the horizontal phase will be automatically adjusted. And the horizontal size will be automatically set to the default. Make
sure that the application window is set to its maximum size prior to attempting to use this feature. A dark picture may still be incorrectly adjusted. Use a
bright picture when adjusting. For a video signal, s-video signal or component video signal The video format best suited for the respective input signal will be
selected automatically. This function is available only when AUTO is selected for VIDEO FORMAT item in INPUT menu (32). The vertical position and
horizontal position will be automatically set to the default.
For a component video signal, also the horizontal phase will be automatically set to the default. The automatic adjustment operation requires several seconds.
Also please note that it may not function correctly with some input. When this function is performed for a video signal, a certain extra such as a line may
appear outside a picture. The items adjusted by this function may vary when FINE or DISABLE is selected for AUTO ADJUST item of SERVICE item in
OPTION menu (43).

ASPECT AUTO MAGNIFY ON BLANK HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEYSTONE POSITION
MENU ENTER ESC RESET VIDEO COMPUTER SEARCH ASPECT AUTO BLANK Adjusting the position MAGNIFY ON HOME PAGE UP VOLUME OFF
END PAGE DOWN MUTE 1. Press POSITION button on the remote control when no menu is indicated. 2. FREEZE MY BUTTON 1 2 KEYSTONE The
"POSITION" indication will appear on the screen. Use the // cursor buttons to adjust the picture position.
When you want to reset the operation, press RESET button on the remote control during the operation. To complete this operation, press POSITION button
again. Even POSITION if you do not do anything, the dialog will automatically disappear after a few seconds. When this function is performed on a video
signal, s-video signal or component video signal, some image such as an extra-line may appear at outside of the picture. When this function is performed on a
video signal, s-video signal or component video signal, the range of this adjustment depends on OVER SCAN in IMAGE menu (29) setting. It is not possible to
adjust when OVER SCAN is set to 10. If POSITION button is pressed when a menu is indicated on screen, the displayed picture does not move its position but
the menu does. POSITION MENU ENTER ESC RESET 9 Operating Correcting the keystone distortions the remote control. 1. Press KEYSTONE button onyou
in correcting the A dialog will appear on the screen to aid distortion.

Use the / cursor buttons to select AUTO or MANUAL 2. operation, and press the button to perform the following. KEYSTONE VIDEO COMPUTER SEARCH
ASPECT AUTO BLANK (1) AUTO executes automatic vertical keystone correction. (2) MANUAL displays a dialog for keystone correction. Use the / buttons
for adjustment. To close the dialog and complete this operation, press KEYSTONE button again. Even if you do not do anything, the dialog will automatically
disappear after a few seconds. The adjustable range of this correction will vary among inputs. For some input, this function may not work well. When
V:INVERT or H&V:INVERT is selected for MIRROR item in SETUP menu, if the projector screen is inclined or angled downward, this function may not work
correctly.
When the zoom adjustment is set to TELE (telephoto focus), the automatic keystone distortion correction may be excessive. This function should be used when
the zoom adjustment is set to the full WIDE (wide-angle focus) whenever possible. When the projector is placed on the level (about ±0°), the automatic
keystone distortion correction may not work. When the projector is inclined to near ±30 degree or over, this function may not work well. This function will be
unavailable when Transition Detector is on (49).

MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEYSTONE POSITION MENU ENTER ESC RESET
Using the magnify feature 1. Press the ON button of MAGNIFY on the remote control.



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the The "MAGNIFY" indication will appear on the screen and projector will go into the MAGNIFY mode. The indication will disappear in several seconds with no operation. MAGNIFY ON/OFF VIDEO COMPUTER SEARCH 2.

Use the / cursor buttons to adjust the zoom level. To move the zoom area, press POSITION button in the MAGNIFY mode, then use the /// cursor buttons to move the area. And to finalize the zoom area, press POSITION button again. To exit from the MAGNIFY mode and restore the screen to normal, press the OFF button of MAGNIFY on the remote control. The projector automatically exits from the MAGNIFY mode when the input signal is changed or when the display condition is changed. In the MAGNIFY mode, the keystone distortion condition may vary, it will be restored when the projector exits from the MAGNIFY mode. MAGNIFY ON ASPECT AUTO BLANK HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEystone POSITION MENU ENTER ESC RESET NOTE · The zoom level can be finely adjusted. Closely watch the screen to find the level you want. 0 Operating Freezing the screen button on the remote control. 1.

Press FREEZE indication will appear on the screen (however, The "FREEZE" FREEZE VIDEO COMPUTER SEARCH the indication will not appear when TURN OFF is selected for MESSAGE item in SCREEN menu (39)), and the projector will go into the FREEZE mode. To exit the FREEZE mode and restore the screen to normal, press FREEZE button again. The projector automatically exits from the FREEZE mode when one of the projector's buttons or remote control buttons of STANDBY/ON, SEARCH, COMPUTER, VIDEO, BLANK, AUTO, VOLUME, MUTE, KEYSTONE, MENU, MAGNIFY and MY BUTTON1/2(except MY MEMORY or PICTURE MODE is assigned to) (42) is pressed. If the projector continues projecting a still image for a long time, the LCD panel might possibly be burned in. Do not leave the projector in the FREEZE mode for too long. ASPECT AUTO BLANK MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEystone POSITION MENU ENTER ESC RESET Temporarily blanking the screen control. 1. Press BLANK button on the remote instead of the screen of The blank screen will be displayed input signal. Please refer to BLANK item in SCREEN menu (36). BLANK VIDEO COMPUTER SEARCH ASPECT AUTO BLANK To exit from the blank screen and return to the input signal screen, press BLANK button again.

The projector automatically returns to the input signal screen when one of the projector's buttons or the remote control buttons (except ASPECT, POSITION, MAGNIFY or FREEZE button, also except MY BUTTON1/2 if AUTO KEYSTONE EXECUTE or MY MEMORY or PICTURE MODE is assigned to (42)) is pressed. ON OFF MAGNIFY HOME PAGE UP VOLUME END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEystone POSITION MENU ENTER ESC RESET NOTE · The sound is not connected with the blank screen function. If necessary, set the volume or mute first. Operating Using the menu function This projector has the following menus: PICTURE, IMAGE, INPUT, SETUP, SCREEN, OPTION and EASY MENU. EASY MENU consists of functions often used, and the other menus are classified into each purpose and brought together as Advanced Menu.

Each of these menus is operated using the same methods. The basic operations of these menus are as follows. VIDEO COMPUTER SEARCH ASPECT AUTO BLANK MAGNIFY ON HOME PAGE UP VOLUME MENU button OFF END PAGE DOWN MUTE ENTER button MENU button Cursor buttons MY BUTTON 1 2 KEystone POSITION MENU ENTER FREEZE ESC RESET ESC button BLANK RCH VOLU ME RESET button E ER SEA UP PAGE DOWN PUT KEY STO NE AUT O MUT COM PAGE BUT 1 TON HOM E MEN 2 U O VIDE ECT ASP END MAGN IFY MY ON EZE OFF FRE POS ITIO N ENT ER Press the MENU button on the remote control or 1. The Advanced Menu or EASY MENU, which has the projector. powered priority just after on will appear.

If you want to move the menu position, use the cursor buttons after pressing the POSITION button. While the projector is displaying any menu, MENU button on the projector works as the cursor buttons. In the EASY MENU If you want to change it to the Advanced Menu, select the "Go to Advanced Menu..." Use the / cursor buttons to select an item to operate. 2. 3. 4. Use the / cursor buttons to operate the item.

EASY MENU (continued on next page) ESC RES ET Operating Using the menu function (continued) In the Advanced Menu Use the / cursor buttons to select a menu. If you want to change it to the EASY MENU, select EASY MENU. Then press the cursor button, or ENTER button to select an item. The lower layer menu of the selected item will appear. Advanced Menu Use the / cursor buttons to select an item to operate. Then press the cursor button, or ENTER button to progress. The operation menu of the selected item will appear. Use the / cursor buttons to operate the item. 2. 3.

4. 5. Some functions cannot be performed when a certain input port is selected, or when a certain input signal is displayed. When you want to reset the operation, press RESET button on the remote control during the operation. Note that some items (ex.

LANGUAGE, H PHASE, VOLUME) cannot be reset. In the Advanced Menu, when you want to return to the previous display, press the cursor button or ESC button on the remote control. Press MENU button on the remote control again to close the menu and complete this operation. Even if you do not do anything, the dialog will automatically disappear after about 10 seconds. 3 EASY MENU EASY MENU From the EASY MENU, items shown in the table below can be performed.

Select an item using the / cursor buttons. Then perform it according to the following table. Item ASPECT AUTO KEYSTONE EXECUTE KEYSTONE Description Using the / buttons switches the mode for aspect ratio. See the ASPECT item in IMAGE menu (29). Using the button executes the auto keystone function. See AUTO KEYSTONE EXECUTE item in SETUP menu (34). Using the / buttons corrects the vertical keystone distortion. See KEYSTONE item in SETUP menu (34). Using the / buttons switches the picture mode. The picture modes are combinations of GAMMA and COLOR TEMP settings.

Choose a suitable mode according to the projected source. NORMAL ó CINEMA ó DYNAMIC ó BOARD(BLACK) DAYTIME ó WHITEBOARD ó BOARD(GREEN) NORMAL CINEMA DYNAMIC BOARD(BLACK) BOARD(GREEN) WHITEBOARD DAYTIME COLOR TEMP #2 MID DEFAULT #3 LOW DEFAULT #1 HIGH DEFAULT #4 Hi-BRIGHT-1 DEFAULT #5 Hi-BRIGHT-2 DEFAULT #2 MID DEFAULT #6 Hi-BRIGHT-3 DEFAULT GAMMA #1 DEFAULT #2 DEFAULT #3 DEFAULT #4 DEFAULT #4 DEFAULT #5 DEFAULT #6 DEFAULT PICTURE MODE · When the combination of GAMMA and COLOR TEMP differs from pre-assigned modes above, the display on the menu for the PICTURE MODE is "CUSTOM".



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Please refer to GAMMA (26) and COLOR TEMP (26) items in PICTURE menu. · When this function is performed, a certain extra such as a line may appear. (continued on next page) 4 EASY MENU EASY MENU (continued) Item BRIGHTNESS CONTRAST COLOR TINT SHARPNESS WHISPER MIRROR Description Using the / buttons adjusts the brightness. See BRIGHTNESS item in PICTURE menu (26). Using the / buttons adjusts the contrast. See CONTRAST item in PICTURE menu (26). Using the / buttons adjusts the strength of whole color. See COLOR item in PICTURE menu (26). Using the / buttons adjusts the tint. See TINT item in PICTURE menu (26). Using the / buttons adjusts the sharpness. See SHARPNESS item in PICTURE menu (27). Using the / buttons turns off/on the whisper mode. See WHISPER item in SETUP menu (35). Using the / buttons switches the mode for mirror status. See MIRROR item in SETUP menu (35). Performing this item resets all of EASY MENU items except FILTER TIME and LANGUAGE. A dialog is displayed for confirmation. Selecting RESET using the button performs resetting. Performing this item resets the filter time which counts usage time of the air filter. A dialog is displayed for confirmation. Selecting RESET using the button performs resetting. See FILTER TIME item in OPTION menu (41). Using the / buttons changes the display language. See LANGUAGE item in SCREEN menu (36). Select "Go to Advanced Menu...

" on the menu, and press the or ENTER button to use the menu of PICTURE, IMAGE, INPUT, SETUP, SCREEN or OPTION. RESET FILTER TIME LANGUAGE Go to Advanced Menu... 5 PICTURE Menu PICTURE Menu From the PICTURE menu, items shown in the table below can be performed. @@Then perform it according to the following table. Item BRIGHTNESS CONTRAST Description Using the / buttons adjusts the brightness. Light ó Dark Using the / buttons adjusts the contrast. Strong ó Weak Using the / buttons switches the gamma mode. #1 DEFAULT #1 CUSTOM #2 DEFAULT #2 CUSTOM #3 DEFAULT #6 DEFAULT #3 CUSTOM #6 CUSTOM #5 DEFAULT #5 CUSTOM #4 DEFAULT #4 CUSTOM GAMMA To adjust the "CUSTOM" modes, see "To adjust CUSTOM function in GAMMA and COLOR TEMP" (28). Using the / buttons switches the color temperature mode. #1 HIGH DEFAULT #1 HIGH CUSTOM #2 MID DEFAULT #2 MID CUSTOM #6 Hi-BRIGHT-3 CUSTOM #3 LOW DEFAULT #6 Hi-BRIGHT-3 DEFAULT #3 LOW CUSTOM #5 Hi-BRIGHT-2 CUSTOM #5 Hi-BRIGHT-2 DEFAULT #4 Hi-BRIGHT-1 CUSTOM #4 Hi-BRIGHT-1 DEFAULT COLOR TEMP To adjust the "CUSTOM" modes, see "To adjust CUSTOM function in GAMMA and COLOR TEMP" (28). Using the / buttons adjusts the strength of whole color. Strong ó Weak · This item can be selected only for a video signal, s-video or component video signal. Using the / buttons adjusts the tint.

Greenish ó Reddish · This item can be selected only for a video signal, s-video or component video signal. COLOR TINT (continued on next page) 6 PICTURE Menu PICTURE Menu (continued) Item Description Using the / buttons adjusts the sharpness. Strong ó Weak · There may be some noise and/or the screen may flicker for a moment when an adjustment is made. This is not a malfunction. This projector has 4 memories for adjustment data (for all the items of PICTURE menu).

Selecting a function using the / buttons and pressing the or ENTER button performs each function. LOAD-1 ó LOAD-2 ó LOAD-3 ó LOAD-4 SAVE-4 óSAVE-3 ó SAVE-2 ó SAVE-1 LOAD-1, LOAD-2, LOAD-3, LOAD-4 Performing a LOAD function loads the data from the memory linked in the number included in the function's name, and adjusts the picture automatically depending on the data. · The LOAD functions whose linked memory has no data are skipped. · Remember that the current adjusted condition will be lost by loading data. If you want to keep the current adjustment, please save it before performing a LOAD function. · There may be some noise and the screen may flicker for a moment when loading data. This is not malfunction. · You can perform the LOAD function using MY BUTTONs. Please see MY BUTTON item in OPTION menu (42). SAVE-1, SAVE-2, SAVE-3, SAVE-4 Performing a SAVE function saves the current adjustment data into the memory linked in the number included in the function's name.

· Remember that the current data being stored of a memory will be lost by saving a new data into the memory. SHARPNESS MY MEMORY 7 PICTURE Menu PICTURE Menu (continued) To adjust CUSTOM function in GAMMA and COLOR TEMP Selecting a mode whose name includes CUSTOM in GAMMA or COLOR TEMP item and then pressing the button or ENTER button displays a dialog to aid you in adjusting the mode. Choose an item using the / buttons, and adjust the level using the / buttons. · When this function is performed, lines or other distortion may appear. GAMMA COLOR TEMP You can display a test pattern on the top of the screen for checking the effect of your adjustment by pressing the ENTER button. Each time you press the ENTER button, the pattern changes as below. No pattern Gray scale of 9 steps Ramp Gray scale of 15 steps · You can also adjust each function without displaying test patterns. test pattern for adjusting GAMMA You can change the brightness of particular tones. The eight equalizing bars correspond to eight tone levels of the test pattern (Gray scale of 9 steps) except the darkest in the left end. If you want to adjust the 2nd tone from left end on the test pattern, use the equalizing adjustment bar "1".

The darkest tone at the left end of the test pattern cannot be controlled with any of equalizing adjustment bar. for adjusting COLOR TEMP You can change the intensity of each of 3 colors (Red, Green, Blue). OFFSET adjustments change the color intensity on the whole tones of the test pattern. GAIN adjustments mainly affect color intensity on the brighter tones of the test pattern. 8 IMAGE Menu IMAGE Menu From the IMAGE menu, items shown in the table below can be performed.

@@Then perform it according to the following table. Item Description Using the / buttons switches the mode for aspect ratio. For a computer signal NORMAL ó 4:3 ó 6:9 ó SMALL For a video signal, s-video signal or component video signal 4:3 ó 6:9 ó 4:9 ó SMALL For no signal 4:3 (fixed) · This item can be selected only for a proper signal. · NORMAL mode keeps the original aspect ratio setting. Using the / buttons adjusts the over-scan ratio. Large (It reduces picture) ó Small (It magnifies picture) · This item can be selected only for a video, s-video and component video signal. · When this adjustment is too large, certain degradation may appear at the frame area of the picture. In such a case, please adjust small. Using the / buttons adjusts the vertical position. Up ó Down · Over-adjusting the vertical position may cause noise to appear on the screen.



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If this occurs please reset the vertical position to the default setting. Pressing RESET button when V POSITION is selected will reset V POSITION to the default setting. · When this function is performed on a video signal, s-video signal, or component video signal, the range of this adjustment depends on OVER SCAN (above) setting. It is not possible to adjust when OVER SCAN is set to 10. Using the / buttons adjusts the horizontal position.

Left ó Right · Over-adjusting the horizontal position may cause noise to appear on the screen. If this occurs please reset the horizontal position to the default setting. Pressing RESET button when H POSITION is selected will reset H POSITION to the default setting. · When this function is performed on a video signal, s-video signal, or component video signal, the range of this adjustment depends on OVER SCAN (above) setting. It is not possible to adjust when OVER SCAN is set to 10. ASPECT OVER SCAN V POSITION H POSITION (continued on next page) 9 IMAGE Menu IMAGE Menu (continued) Item Description Using the / buttons adjusts the horizontal phase to eliminate flicker. Right ó Left · This item can be selected only for a computer signal or component video signal. Using the / buttons adjusts the horizontal size. Large ó Small · This item can be selected only for a computer signal. · When this adjustment is excessive, the picture may not be displayed correctly.

In such a case, please reset the adjustment by pressing the RESET button during this operation. Executing this item performs the automatic adjustment feature. For a computer signal The vertical position, the horizontal position and the horizontal phase (43) will be automatically adjusted. And the horizontal size will be automatically set to the default. Make sure that the application window is set to its maximum size prior to attempting to use this feature. A dark picture may still be incorrectly adjusted. Use a bright picture when adjusting. For a video signal, s-video signal or component video signal The video format best suited for the respective input signal will be selected automatically. This function is available only when the AUTO mode is selected to VIDEO FORMAT item in INPUT menu (32). The vertical position and horizontal position will be automatically set to the the default.

For a component video signal, also the horizontal phase will be automatically set to the default. · The automatic adjustment operation requires several seconds. Also please note that it may not function correctly with some input. When this function is performed for a video signal, a certain extra such as a line may appear outside a picture. @@@@ · When TV or FILM is selected, the screen image will be sharp. FILM adapts to the 2-3 Pull-Down conversion system. @@@@ Using the / buttons switches the noise reduction mode. @@@@ Using the / buttons switches the mode for color space. @@ · The AUTO mode automatically selects the optimum mode. · The AUTO operation may not work well at some signals.

@@@@@ A SCART cable is required for a SCART RGB input to the projector. @@(1) Use the / buttons to select the input port. (2) Using the / buttons switches the mode for video format. @@ · The AUTO mode automatically selects the optimum mode. · The AUTO operation may not work well for some signals. If the picture becomes unstable (e.g. @@ Using the / buttons turns the frame lock function on/off. @@@@ In such a case, please select TURN OFF. @@(1) Use the / buttons to select the input port to be set.

@@@@@ The RESOLUTION menu will be displayed. @@ Selecting AUTO will set a resolution appropriate to the input signal. @@@@ Although not all resolutions are guaranteed. @@@@ Select an item using the / cursor buttons, and press the cursor button or the ENTER button to execute the item. Then perform it according to the following table.

Item Description Selecting this item performs the automatic keystone distortion correction. Projector automatically corrects vertical keystone distortion due to the (forward/backward) setup angle by itself. This function will be executed only once when selected in the menu. When the slant of the projector is changed, execute this function again. · The adjustable range for correction will vary among inputs.

For some input, this function may not work well. · When V:INVERT or H&V:INVERT is selected to the MIRROR item in the SETUP menu, if the projector screen is inclined or angled downward, this function may not work correctly. · When the zoom adjustment is set to the TELE (telephoto focus), this function may be excessive. This function should be used when the zoom adjustment is set to the full WIDE (wide-angle focus) whenever possible. · When the projector is placed on the level (about ±0°), this function may not work. · When the projector is inclined to near ±30 degree or over, this function may not work well. · This function will be unavailable when the Transition Detector is on (49). Using the / buttons corrects the vertical keystone distortion. Shrink the top of the image ó Shrink the bottom of the image · The adjustable range of this function will vary with the type of input signal. For some input, this function may not work well.

· This function will be unavailable when the Transition Detector is on (49). AUTO KEYSTONE EXECUTE KEYSTONE (continued on next page) 34 SETUP Menu SETUP Menu (continued) Item Description Using the / buttons turns off/on the whisper mode. NORMAL ó WHISPER · When WHISPER is selected, acoustic noise and screen brightness are reduced. Using the / buttons switches the mode for mirror status. WHISPER MIRROR NORMAL ó H:INVERT ó V:INVERT ó H&V:INVERT If the Transition Detector is TURN ON and MIRROR status is changed, Transition Detector Alarm (49) will be displayed when projector is restarted after the power switch is turned off. VOLUME Using the / buttons adjusts the volume. High ó Low Using the / buttons turns on/off the built-in speaker. TURN ON ó TURN OFF When TURN OFF is selected, the built-in speaker does not work. Allocates the audio ports. (1) Choose a picture input port using the / buttons.

COMPUTER (IN)1 ó COMPUTER (IN)2 VIDEO ó S-VIDEO ó COMPONENT (2) Select the audio port to be interlocked with the input port using the / buttons. ó ó When is selected to an input port, any audio ports do not work interlocking with the input port, and any items in AUDIO menu are invalid. SPEAKER AUDIO 35 SCREEN Menu SCREEN Menu From the SCREEN menu, items shown in the table below can be performed. @@ Then perform it according to the following table. Item Description Using the / buttons switches the OSD (On Screen Display) language. ENGLISH FRANÇAIS DEUTSCH ESPAÑOL ITALIANO TÜRKÇE NORSK POLSKI NEDERLANDS SUOMI PORTUGUÊS SVENSKA LANGUAGE MENU POSITION Using the /// buttons adjusts the menu position.



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To quit the operation, press MENU button on the remote control or keep no operation for about 10 seconds. Using the / buttons switches the mode for the blank screen. The blank screen is a screen for the temporarily blanking feature (21). It is displayed by pressing BLANK button.
@@@@@@@@@@@@@@@@1. Selecting this item displays a dialog titled "MyScreen". @@@@The image will freeze and the frame for capturing will appear. To stop performing, press the RESET or ESC button. 2. Using the /// buttons adjusts the frame position. @@The frame may not be able to be moved for some input signals. To start registration, press the ENTER button. To restore the screen and return to the previous dialog, press the RESET or ESC button.
Registration takes several minutes.

When the registration is completed, the registered screen and the following message are displayed for several seconds: "MyScreen registration is finished." If the registration failed, the following message is displayed: "A capturing error has occurred. Please try again." · This function cannot be selected when the TURN ON is selected to the MyScreen Lock item (below). · This function cannot be selected when TURN ON is selected to the MyScreen PASSWORD of SECURITY item in OPTION menu (46). Using the / buttons turns on/off the MyScreen lock function. TURN ON ó TURN OFF When the TURN ON is selected, the MyScreen item is locked. Use this function for protecting the current MyScreen. · This function cannot be selected when TURN ON is selected to the MyScreen PASSWORD of SECURITY item in OPTION menu (46). MyScreen MyScreen Lock (continued on next page) 38 SCREEN Menu SCREEN Menu
(continued) Item Description Using the / buttons turns on/off the message function.

TURN ON ó TURN OFF When the TURN ON is selected, the following message function works. "AUTO IN PROGRESS" while automatically adjusting "NO INPUT IS DETECTED" "SYNC IS OUT OF RANGE" "Searching..." while searching for the input "Detecting."
.." while an input signal is detected The indication of the input signal displayed by changing The indication of the aspect ratio displayed by changing The indication of the PICTURE MODE displayed by changing The indication of the MY MEMORY displayed by changing The indication of "FREEZE" and "II" while freezing the screen by pressing FREEZE button. · When TURN OFF is selected, please remember if the picture is freezing. Do not mistake freezing for a malfunction (21).

Each input port for this projector can have a name applied to it. (1) Use the / buttons on the SCREEN menu to select SOURCE NAME and press the button. The SOURCE NAME menu will be displayed. (2) Use the / buttons on the SOURCE NAME menu to select the port to be named and press the button. Right side of the menu is blank until a name is specified. The SOURCE NAME dialog will be displayed. (3) The current name will be displayed on the first line. Use the /// buttons and the ENTER or INPUT button to select and enter characters. The RESET button can be used to erase 1 character at a time. The name can be a maximum of 16 characters.

(4) To change an already inserted character, press the button while the cursor is on the [A-N] row to move the cursor to the name displayed on the first line and use the / buttons to select character to be changed. Once a character in the name is selected use the button to move the cursor back down to the character entry area to select and enter characters as described above. (5) Select and press ENTER or INPUT buttons when finished entering text. To revert to the previous name without saving changes press the ESC or button and the INPUT button simultaneously. 39 MESSAGE SOURCE NAME OPTION Menu
OPTION Menu From the OPTION menu, items shown in the table below can be performed. Select an item using the / cursor buttons, and press the cursor button or ENTER button to execute the item, except for the items LAMP TIME and FILTER TIME. Then perform it according to the following table. Item Description Using the / buttons turns on/off the automatic signal search function. TURN ON ó TURN OFF When the TURN ON is selected, detecting no signal automatically cycles through input ports in the following order. The search is started from the current port.

Then when an input is found, the projector will stop searching and display the image. COMPUTER IN1 COMPUTER IN2 VIDEO S-VIDEO COMPONENT
Using the / buttons turns on/off the automatic keystone function. TURN ON ó TURN OFF TURN ON : Automatic keystone distortion correction will be executed whenever changing the slant of the projector. TURN OFF : This function is disabled. Please execute the AUTO KEYSTONE EXECUTE in the SETUP Menu for automatic keystone distortion correction.

· When the projector is suspended from the ceiling this feature will not function properly so select the TURN OFF. · This function will be unavailable when the Transition Detector is on (49). Using the / buttons turns on/off the AUTO ON function. TURN ON ó TURN OFF When set to the TURN ON, the lamp in projector will be automatically turned on without the usual procedure (15), only when the projector is supplied with the power after the power was cut while the lamp was on. · This function does not work as long as the power has been supplied to the projector while the lamp is off.

· After turning the lamp on by the AUTO ON function, if neither input nor operation is detected for about 30 minutes, the projector is turned off, even though the AUTO OFF function (41) is disabled. AUTO SEARCH AUTO KEYSTONE AUTO ON (continued on next page) 40 OPTION Menu OPTION Menu
(continued) Item Description Using the / buttons adjusts the time to count down to automatically turn the projector off. Long (max. 99 minutes) ó Short (min. 0 minute = DISABLE) AUTO OFF When the time is set to 0, the projector is not turned off automatically. When the time is set to 1 to 99, and when the passed time with no signal or an unsuitable signal reaches at the set time, the projector lamp will be turned off. If one of the projector's buttons or the remote control buttons is pressed or one of the commands (except get commands) is transmitted to the CONTROL port during the corresponding time, projector will not be turned off. Please refer to the section "Turning off the power" (15). The lamp time is the time counted after the last resetting. It is shown in OPTION menu as the usage time of the lamp.

Pressing RESET button or the button displays a dialog. To reset the lamp time, select RESET using the button. RESET CANCEL · Please reset the lamp time only when you have replaced the lamp, for a suitable indication about the lamp. · For the lamp replacement, see the section "Lamp" (51). The filter time is the time counted after the last resetting. It is shown in the OPTION menu as the usage time of the air filter.



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Pressing the RESET button or the button displays a dialog. To reset the filter time, select the RESET using the button. RESET CANCEL · Please reset the filter time only when you have cleaned or replaced the air filter, for a suitable indication about the air filter. · For the air filter cleaning, see the section "Air filter" (53).

LAMP TIME FILTER TIME (continued on next page) 4 OPTION Menu OPTION Menu (continued) Item Description This item is to assign one of the following functions to MY BUTTON 1 and 2 on the remote control (6). Choose 1 or 2 on the MY BUTTON menu using the / button first. Then using the / buttons sets one of the following functions to the chosen button. · COMPUTER1: Sets port to COMPUTER IN1. · COMPUTER2: Sets port to COMPUTER IN2.

· COMPONENT: Sets port to COMPONENT(Y, Cb/Pb, Cr/Pr) · S-VIDEO: Sets port to S-VIDEO. · VIDEO: Sets port to VIDEO. · INFORMATION: Displays a dialog of INPUT INFORMATION (44). · AUTO KEYSTONE EXECUTE: Performs automatic keystone distortion correction (34). · MY MEMORY: Loads one of adjustment data stored (27).

When the current adjustment is not saved to memory a dialog is displayed. When no data is saved in memory, a dialog is displayed. MY BUTTON If you want to keep the current adjustment, please press the button to quit. Otherwise the current adjusted condition will be lost by loading a data. · PICTURE MODE: Changes the PICTURE MODE (24). · FILTER RESET: Displays the filter time reset confirmation dialogue (41). · VOLUME+: Set the volume up. · VOLUME-: Set the volume down. Selecting this item displays the SERVICE menu. Select an item using the / buttons, and press the button or the ENTER button to execute the item.

FAN SPEED ó AUTO ADJUST ó GHOST ó FILTER MESSAGE ó KEY LOCK SERVICE FACTORY RESET ó I NFORMATION ó REMOTE FREQ. FAN SPEED Using the / buttons switches the rotation speed of the cooling fans. The HIGH is the mode for use at highlands etc. Note that the projector is noisier when the HIGH is selected. HIGH ó NORMAL (continued on next page) 4 OPTION Menu OPTION Menu (continued) Item Description AUTO ADJUST Using the / buttons enables/disables the automatic adjustment. When DISABLE is selected, the automatic adjustment feature is disabled, although rough adjustment is automatically performed depending on the basic setting. FINE ó FAST ó DISABLE FINE: Finer tuning including H.SIZE adjustment. FAST: Faster tuning, setting H.SIZE to prearranged data for the input signal.

· Depending on conditions, such as input image, signal cable to the projector, environment around the projector, etc., the automatic adjustment may not work correctly. In such a case, please choose DISABLE to disable the automatic adjustment, and make adjustment manually. GHOST 1. Select a color element of ghost using the / buttons.

2. Adjust the selected element using the / buttons to disappear ghost. FILTER MESSAGE Use the / button to set the timer for the interval to show the message for cleaning up the air filter. 50h ó 100h ó 200h ó 300h ó 400h ó 500h TURN OFF ó 800h ó 700h ó 600h After choosing a choice except "TURN OFF", the message "REMINDER *** HRS PASSED AFTER THE LAST FILTER CHECK" will appear after the timer reaches the interval time set by this feature (55). When the "TURN OFF" is chosen, the message will not appear.

Utilize this feature to keep the air filter clean, setting the suitable time according to your environment of this projector. · Please check and clean the air filter periodically, even if there is no message. If the air filter becomes to be blocked by dust or others, the internal temperature will rise, which could cause malfunction, or reduce the lifetime of the projector. · Please be careful with the operating environment of the projector and the condition of the air filter.

SERVICE (continued) (continued on next page) 43 OPTION Menu OPTION Menu (continued) Item Description KEY LOCK Using the / buttons turns on/off the key lock feature. When TURN ON is selected, the buttons on the projector except the STANDBY/ON button are locked. TURN ON ó TURN OFF · Please use to avoid a mischief and touching accidentally. This function does not have any effect on the remote control. REMOTE FREQ. Use the / button to change the projector's remote sensor setting.

1:NORMAL ó 2:HIGH Items with a checkmark are on. The factory default setting is for both 1:NORMAL and 2: HIGH to be on. If the remote control does not function correctly set this to either only 1 or only 2 (14). Neither can be turned off at the same time. INFORMATION Selecting this item displays a dialog titled "INPUT INFORMATION". It shows the information about the current input. SERVICE (continued) · The "FRAME LOCK" message on the dialog means the frame lock function is working (32). · This item can't be selected for no signal and sync out. FACTORY RESET Selecting RESET using the button performs this function. By this function, all the items in all of menus will collectively return to the initial setting.

Note that the items LAMP TIME, FILTER TIME, LANGUAGE and SECURITY are not reset. RESET CANCEL (continued on next page) 44 OPTION Menu OPTION Menu (continued) Item Description This projector is equipped with security functions. User registration is required before using the security functions. Please contact your local dealer. 1.

Using Security Features 1.1 Inputting the PASSWORD 1.1-1 Use the / buttons on the OPTION menu to select SECURITY and press the button. The ENTER PASSWORD box will be displayed. The factory default PASSWORD is 8471.

This PASSWORD can be changed (1.2 Changing the PASSWORD). · It is strongly recommended the factory default PASSWORD to be changed as soon as possible. 1.1-2 Use the /// buttons to enter the registered PASSWORD. Move the cursor to the right side of the ENTER PASSWORD box and press the button to display the SECURITY menu. If an incorrect PASSWORD is input the ENTER PASSWORD box will be displayed again. If incorrect PASSWORD is input 3 times the projector will turn off. Afterwards the projector will turn off every time an incorrect PASSWORD is input. SECURITY 1.

2 Changing the PASSWORD 1.2-1 Use the / buttons on the SECURITY menu to select SECURITY PASSWORD CHANGE and press the button to display the ENTER NEW PASSWORD box. 1.2-2 Use the /// buttons to enter the new PASSWORD. 1.2-3 Move the cursor to the right side of the ENTER NEW PASSWORD box and press the button to display the NEW PASSWORD AGAIN box, enter the same PASSWORD again. 1.2-4 Move the cursor to the right side of the NEW PASSWORD AGAIN box and press the button and the NOTE NEW PASSWORD box will be displayed for about 20 seconds, please make note of the PASSWORD during this time.



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