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You can read the recommendations in the user guide, the technical guide or the installation guide for HITACHI CP-X260. You'll find the answers to all your questions on the HITACHI CP-X260 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-X260
User guide HITACHI CP-X260
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Instructions for use HITACHI CP-X260
Instruction manual HITACHI CP-X260

Projector
CP-X260
User's Manual – Operating Guide



Thank you for purchasing this projector.

⚠ WARNING ▶ Before using this product, please read the "User's Manual - Safety Guide" and related manuals to ensure the proper use of this product. 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:

@@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. Trademark acknowledgment · VGA and XGA are registered trademarks of International Business Machines Corporation. · Apple and Mac are registered trademarks of Apple Computer, Inc. · VESA and SVGA are trademarks of Video Electronics Standard Association. · Windows is a registered trademark of Microsoft Corporation. All other trademarks are the properties of their respective owners.

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WARNING During use or immediately after use, do not touch around the lamp and vents of the projector. (ê) It could cause a burn. 4 Part names Power switch (17) AC inlet (14) Ports (See below.

) Rear-Left side Elevator button (9) Elevator foot (9) Vent (7) AUDIO IN3 L/R port (13) (In the default setting, the AUDIO IN3 L/R port is the audio port for the VIDEO, S-VIDEO and COMPONENT VIDEO ports, however it is possible to change the settings. 36) COMPONENT VIDEO ports (13) Y CB/PB CR/PR VIDEO port (13) S-VIDEO port (13) AUDIO IN port (12) (In the default setting, the AUDIO IN port is the audio port for the RGB IN port, however, it is possible to change the settings. 36) RGB IN port (12) Restart switch () (58) RGB IN port (12) RGB OUT port (12) AUDIO OUT port (12) Y AUDIO IN3 R RGB IN1 RGB IN2 RGB OUT AUDIO OUT CB/PB CR/PR VIDEO L AUDIO IN1 AUDIO IN2 K CONTROL USB S-VIDEO Ports USB port (12) CONTROL port (12) Kensington lock slot AUDIO IN port (12) (In the default setting, the AUDIO IN port is the audio port for the RGB IN port, however, it is possible to change the settings. 36) NOTE (*) About Restart switch: This projector is controlled by an internal microprocessor.*



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· Only use the power cord that came with the projector. If it is damaged, contact your dealer to newly get correct one. · Only plug the power cord into an outlet rated for use with the power cord's specified voltage range. · Never modify the power cord. Never attempt to defeat the ground connection of the three-pronged plug. AC inlet Connector of the power cord .

Connect the connector of the power cord to the AC inlet of the projector. · Firmly plug the power cord's plug into the outlet. 4 Remote control Remote control Putting batteries WARNING Always handle the batteries with care and use them only as directed. Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire. And also improper use may result in cracking or leakage, which could result in fire, injury and/or pollution of the surrounding environment. · Be sure to use only the batteries specified. Do not use batteries of different types at the same time. Do not mix a new battery with used one.

· Make sure the plus and minus terminals are correctly aligned when loading a battery. · Keep a battery away from children and pets. If swallowed consult a physician immediately for emergency treatment. · Do not short circuit or solder a battery. · Do not allow a battery in a fire or water.

Keep batteries in a dark, cool and dry place. · If you observe a leakage of a battery, wipe out the flower and then replace a battery. If the liquid adheres to your body or clothes, rinse well with water immediately. · Obey the local laws on disposing the battery. ·

Remove the battery cover. battery cover in the direction of the arrow. Slide back and remove the Insert the batteries. · Align and insert the two AA batteries according to their plus and minus 3. terminals as indicated in the remote control. Close the battery cover. Replace the battery cover in the direction of the arrow and snap it back into place. 5 Remote control Using the remote control CAUTION Be careful in handling the remote control. · Do not drop or expose the remote control to physical impact.

· Do not get the remote control wet or place it on wet objects. It may result in malfunction. · Remove the batteries from the remote control and store them in a safe place if you won't be using the remote control for an extended period. · Replace the batteries whenever the remote control starts malfunctioning. · When strong lights (such as direct sunlight) or light from an extremely close range (such as from an inverter fluorescent lamp), hit the projector's remote sensor, the remote control may cause to function. Adjust the direction of the projector to keep the light from directly hitting the projector's remote sensor. The signal settings for the remote control transmitter and the projector's remote sensor can be changed. If the remote control does not function properly try changing the signal setting. Changing the signal setting for the remote control transmitter ()Setting (FREQ. : NORMAL) Simultaneously press and hold the MUTE and RESET buttons for about 3 seconds.

()Setting (FREQ. : HIGH) Simultaneously press and hold the MAGNIFY OFF and ESC buttons for about 3 seconds. · Setting is the factory default setting. · When the batteries are removed from the remote control, user-specified settings are saved for about half a day. If the batteries are removed from the remote control for longer than half a day, the remote will reset to Setting .

Changing the signal setting for the projector's remote sensor Switch between Setting and using the SERVICE/REMOTE FREQ. item found in OPTION MENU. (43) If the remote control does not seem to function properly, try changing the settings for the remote control and the projector's remote sensor. The remote control will not function properly if the remote control transmitter settings and the projector's remote sensor settings are not the same. The remote control works with the projector's remote sensor.

30° approx. 3 meters 30° · The range of the remote sensor is 3 meters with a 60 degree range (30 degrees to the left and right of the remote sensor). · Also a remote signal reflected in the screen etc. may be available. If it is difficult to send a remote signal to the sensor directly, please try to use the reflected signal. · Since the remote control uses infrared light to send signals to the projector (Class LED), be sure to use the remote control in an area free from obstacles that could block the remote control's output signal to the projector. 6 Power on/off Power on/off WARNING When the power is on, a strong light is emitted. Do not look into the lens of projector. Also do not peep at the inside of projector through a hole. NOTE · Turn the power on/off in right order.

Please power on the projector prior to the connected devices. Power off the projector later than the connected devices. Turning on the power The power indicator will light up in steady orange. Then wait several seconds because the buttons may not function for these several seconds. (1) When AUTO ON in the OPTION menu is set to TURN ON:(40) The lamp will only be automatically turned on when the Power switch is turned on after the power was turned off by Power switch last time. Afterwards the POWER indicator will begin blinking in green. When the power is completely on, the indicator will stop blinking and light in green. (2) When AUTO ON in the OPTION menu is set to TURN OFF please see step 3. Press the STANDBY/ON button on the projector or the remote control. To display the picture, select an input signal according to the section "Selecting an input signal" (18).

· Make sure that the power cord is firmly and outlet. correctly connected to the projector and the the lens . Removeposition. cover, and set the power switch to the ON STANDBY/ON button VIDEO RGB SEARCH ASPECT AUTO BLANK MAGNIFY ON POWER indicator HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEYSTONE POSITION MENU ENTER ESC RESET POWER (Steady orange) POWER (Blinking in green) POWER 3.

(Steady green) Turning off the power Please pay special attention to below two points when you do: () Please do not turn the projector on again for at least 0 minute in this case. Neglect could shorten the lifetime of the lamp. () During use or immediately after use, do not touch around the lamp and vents of the projector (4 ê) It could cause a burn. Press the STANDBY/ON button on the projector or the remote Power off? control. The message "Power off?" will appear on the screen for about 5 seconds.

POWER Press the STANDBY/ON button on the projector or the remote (Blinking in orange) control again while the message appears. The projector lamp will go off, and the POWER indicator will begin POWER blinking in orange.



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(Steady orange) Then the POWER indicator will stop blinking and light in steady orange when the lamp cooling is complete. Make sure that the power indicator lights in steady orange, and set the power switch to the OFF position. The POWER indicator will go off. Attach the lens cover. 7 . . 3. Operating
Operating Adjusting the volume remote .

Press the VOLUME button on the aid you in control. the volume. A dialog will appear on the screen to adjusting the volume. . Use the cursor buttons / to adjust operation, press the To close the dialog and complete the VOLUME button again. Even if you don't do anything, the dialog will automatically disappear after a few seconds. VIDEO RGB SEARCH ASPECT AUTO BLANK MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE VIDEO MY BUTTON 1 RGB 2 KEYSTONE SEARCH Temporarily muting the sound ASPECT POSITION MAGNIFY ON AUTO BLANK MENU . Press the 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 don't do anything, the dialog will automatically disappear after a few seconds. HOME PAGE UP VOLUME ENTER OFF ESC FREEZE MY BUTTON 1 2 END PAGE DOWN MUTE RESET KEYSTONE POSITION MENU Selecting an input signal ENTER the . Presstime INPUT button on the projector. switches its Each you press the button, the projector input port as below. RGB IN RGB IN VIDEO S-VIDEO COMPONENT VIDEO ESC RESET the RGB .

Pressport for the button on the remote control to select an input RGB signal. Each time you press the button, the projector switches its RGB input port as below. RGB IN RGB IN VIDEO RGB SEARCH ASPECT AUTO BLANK MAGNIFY ON HOME PAGE UP VOLUME If the RGB button is pushed (when switching from VIDEO to RGB signals) when TURN ON is selected for the AUTO SEARCH item in the OPTION menu the projector will check the RGB IN port first. If no input is detected at the port, the projector will check the RGB IN port. OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEYSTONE POSITION MENU ENTER ESC RESET 8 Operating Selecting an input signal (continued) the VIDEO button .

Pressfor video signal. on the remote control to select an input Each time you press the button, the projector switches its video input port as below. COMPONENT VIDEO S-VIDEO VIDEO ON VIDEO RGB SEARCH ASPECT AUTO BLANK MAGNIFY HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE If the VIDEO button is pushed (when switching from RGB to VIDEO signals) when TURN ON is selected for the AUTO SEARCH item in the OPTION menu the projector will check the COMPONENT VIDEO port first. If no input is detected at the port, projector will begin to check other ports in above order. 2 POSITION MENU ENTER FREEZE MY BUTTON 1 KEYSTONE Searching an input signal ESC RESET . Press the SEARCH button on the remote control. to The projector will start to check its input ports in order VIDEO RGB SEARCH ASPECT AUTO BLANK 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. RGB IN RGB IN COMPONENT VIDEO S-VIDEO VIDEO MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEYSTONE POSITION MENU Selecting an aspect ratio ENTER the remote control.

. PresstimeASPECT button on thethe projector switches the mode for aspect Each you press the button, ESC RESET ratio in turn. For an RGB signal NORMAL 4:3 6:9 SMALL VIDEO RGB SEARCH For a video signal, s-video signal or component video signal 4:3 6:9 4:9 SMALL ASPECT AUTO BLANK MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE For a no signal 4:3 (fixed) The NORMAL mode keeps the original aspect ratio of the signal. Performing the automatic adjustment initializes the aspect ratio setting. FREEZE POSITION MY BUTTON 1 2 KEYSTONE MENU ENTER Adjusting the zoom and focus ESC RESET . Use the zoom ring to adjust the screen size. . Use the focus ring to focus the picture. Focus ring Zoom ring 9 Operating Using the automatic adjustment feature . Press the AUTO button on the remote control.

For an RGB signal The vertical position, the horizontal position, the horizontal phase and the horizontal size will be automatically adjusted. And the aspect ratio will be automatically set to 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 or s-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 the VIDEO FORMAT item in the INPUT menu (33). For a component video signal, the signal type is identified automatically independently of this function. For a video signal, s-video signal or component video signal The vertical position, horizontal position and aspect ratio will be automatically set to default. For a component video signal The horizontal phase will be automatically set to default.

The automatic adjustment operation requires about 10 seconds. Also please note that it may not function correctly with some input. ASPECT AUTO BLANK MAGNIFY ON VIDEO RGB SEARCH HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEYSTONE POSITION MENU ENTER ESC RESET VIDEO RGB SEARCH ASPECT AUTO BLANK MAGNIFY ON HOME PAGE UP VOLUME Adjusting the position OFF END PAGE DOWN MUTE on the remote control. . Press the POSITION button will appear on the screen. The "POSITION" indication . Use the cursor buttons /// to adjust the picture position. FREEZE MY BUTTON 1 2 KEYSTONE POSITION MENU When you want to reset the operation, press the RESET button on the remote control during the operation. To complete this operation, press the POSITION button again. Even if you don't do anything, the dialog will automatically disappear after a few seconds.

When this function is performed at a video signal, a certain extra such as a line may appear outside a picture. ESC RESET ENTER 0 Operating VIDEO RGB SEARCH Correcting the keystone distortions ASPECT AUTO BLANK . Press the KEYSTONE button on theon the remote control. A dialog will appear . MAGNIFY ON HOME PAGE UP VOLUME screen to aid you in correcting the distortion. Use the cursor buttons / to select AUTO or MANUAL operation, and press the button to perform the following.



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) **AUTO** executes automatic vertical keystone correction.) **MANUAL** displays a dialog for vertical keystone correction. Use the buttons / for adjustment. To close the dialog and complete this operation, press the **KEystone** button again.

Even if you don't do anything, the dialog will automatically disappear after a few seconds. 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, the Auto Keystone function may not work correctly. When the zoom adjustment is set to the **TELE** (telephoto focus), this correction may be excessive.

@@ When vertical degree is almost 0 degree, the automatic keystone distortion correction may not work. When vertical degree is almost ± 30 degree, the automatic keystone distortion correction may not work well. This function will be unavailable when Transition Detector is on (48). **FREEZE MY BUTTON 1 2 KEystone POSITION MENU ENTER ESC RESET OFF END PAGE DOWN MUTE** Using the magnify feature . Press the **ON** button of **MAGNIFY** on the remote control.

The "**MAGNIFY**" indication will appear on the screen . **VIDEO RGB SEARCH ASPECT AUTO BLANK** (although the indication will disappear in several seconds with no operation), and the projector will enter the **MAGNIFY** mode. **MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE** Use the cursor buttons / to adjust the zoom level. To move the zoom area, press the **POSITION** button in the **MAGNIFY** mode, then use the cursor buttons // to move the area. And to finalize the zoom area, press the **POSITION** button again. To exit the **MAGNIFY** mode and restore the screen to normal, press the **OFF** button of **MAGNIFY** on the remote control. The projector automatically exits the **MAGNIFY** mode when the input signal is changed, or when the display condition is changed. Although in the **MAGNIFY** mode, the keystone distortion condition may vary, it will be restored when the projector exits the **MAGNIFY** mode. **FREEZE MY BUTTON 1 2 KEystone POSITION MENU ENTER ESC RESET** Operating Freezing the screen **VIDEO RGB SEARCH ASPECT AUTO BLANK** on the remote control. .

Press the **FREEZE** button will appear on the screen, and the The "**FREEZE**" indication **MAGNIFY ON HOME PAGE UP VOLUME** projector will enter the **FREEZE** mode. To exit the **FREEZE** mode and restore the screen to normal, press the **FREEZE** button again. The projector automatically exits the **FREEZE** mode when the input signal changes, or when one of the projector's buttons or the remote control buttons of **STANDBY/ON, SEARCH, RGB, VIDEO, BLANK, AUTO, ASPECT, VOLUME, MUTE, KEystone, POSITION, MENU, MAGNIFY** and **MY BUTTON** is pressed. If the projector continues projecting a still image for a long time, the LCD panel might possibly be printed. Do not leave the projector in the **FREEZE** mode for too long. **OFF FREEZE MY BUTTON 1 2 KEystone POSITION MENU ENTER ESC RESET END PAGE DOWN MUTE** Temporarily blanking the screen button on the remote control. . Press the **BLANK** will be displayed instead of the screen of The blank screen **VIDEO RGB SEARCH** input signal. Please refer to the **BLANK** item in the **SCREEN** menu (37). To exit the blank screen and return to the input signal screen, press the **BLANK** button again.

The projector automatically returns to the input signal screen when one of the projector's buttons or the remote control buttons is pressed or one of the commands (except get commands) is transmitted from the control port. **ASPECT AUTO MAGNIFY BLANK ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEystone POSITION MENU ENTER ESC RESET** Operating Operating the computer screen . While using this function, please connect only with a computer. . Before connecting, read the manuals of the computer you will connect. **CAUTION** Mistaken use of the mouse/keyboard control could damage your equipment. **NOTE** . It may not be possible to control notebook PC, and other computers with built-in pointing device (e.

g. track ball), using this remote control. In this case, before connecting go into **BIOS** (system setup) and select external mouse, and disable the pointing device. In addition, the mouse may not function if the computer does not have the needed utility program. See your computer's hardware manual for details. . The **USB** control can be used with **Windows 95 OSR . or higher**. It may not be possible to use the remote control, depending on the computer's configurations and mouse drivers. . The **USB** control can be used only for the functions listed below. 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 not available while the lamp is warming up (the **POWER** indicator flashes green), and while adjusting the volume and display, correcting for trapezoidal distortion, zooming in on the screen, using the **BLANK** function, or displaying the menu screen. **USB mouse and keyboard control** . Connect the projector's **USB** port to the computer via the mouse cable. **VIDEO RGB SEARCH** Available function **BLANK VOLUME** Remote control operation Use , , , buttons Press **ENTER** button Press **RESET** button Press **HOME** button Press **END** button Press **PAGE UP** button Press **PAGE DOWN** button Press **ESC** button **ASPECT AUTO MAGNIFY ON HOME PAGE UP OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEystone POSITION MENU ENTER ESC RESET** Move pointer Left click with mouse Right click with mouse Press keyboard's **HOME** key Press keyboard's **END** key Press keyboard's **PAGE UP** key Press keyboard's **PAGE DOWN** key Press keyboard's **ESC** key 3 Multifunctional settings Multifunctional settings Using the menu function **ON VIDEO RGB SEARCH** 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.

Each of these menus is operated using the same methods. The basic operations of these menus are as follows. **ASPECT AUTO BLANK MAGNIFY HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEystone MENU** button **ENTER** button Cursor buttons **RESET** button **POSITION MENU ENTER VIDEO RGB SEARCH ASPECT AUTO BLANK MAGNIFY ON HOME PAGE UP VOLUME OFF END PAGE DOWN MUTE FREEZE MY BUTTON 1 2 KEystone POSITION MENU ESC RESET ENTER ESC RESET** . Press the **MENU** button on the remote control or one of the cursor buttons on the projector. . 3. 4. Use the cursor buttons/ to operate the item. . 3.

4. The **Advanced MENU** or **EASY MENU** will appear.



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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. In the Advanced MENU Use the cursor buttons / to select a menu. If you want to change it to the EASY MENU, select the EASY MENU. Then press the cursor button on the projector or remote control, or the ENTER button on the remote control to select an item. The display of the selected menu will be active. Use the cursor buttons / to select an item to operate. Then press the cursor button on the projector or remote control, or the ENTER button on the remote control to progress. The operation menu of the selected item will appear. Use the cursor buttons/ to operate the item. When you want to reset the operation, press the RESET button on the remote control during the operation. Note that items whose functions are performed simultaneously with operation (ex. LANGUAGE, H PHASE, VOLUME etc.) cannot be reset. In the advanced menu, when you want to return to the previous display, press the cursor button on the projector or remote control, or the ESC button on the remote control. Press the MENU button on the remote control again to close the menu and complete this operation. Even if you don't do anything, the dialog will automatically disappear after about 0 seconds. Some functions cannot be performed when a certain input port is selected, or when a certain input signal is displayed. 4 5.

EASY Menu EASY Menu With the EASY MENU, items shown in the table below can be performed. Select an item using the cursor buttons / on the projector or remote control. Then perform it referring 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 the IMAGE menu (30). Using the button executes the auto keystone function. See the AUTO KEYSTONE EXECUTE item in the SETUP menu (35). This function will be unavailable when Transition Detector is on (48). Using the buttons / corrects the keystone distortion. See the item KEYSTONE of section SETUP menu.

(35) This function will be unavailable when Transition Detector is on (48). Using the buttons / switches the mode of picture type. The modes of picture type are combinations of a mode of GAMMA and a mode of COLOR TEMP. Choose a suitable mode according to the projected source. NORMAL ó CINEMA ó DYNAMIC WHITEBOARD ó BOARD(GREEN) ó BOARD(BLACK) NORMAL: (COLOR TEMP = MID DEFAULT) + (GAMMA = # DEFAULT) CINEMA: (COLOR TEMP = LOW DEFAULT) + (GAMMA = # DEFAULT) DYNAMIC: (COLOR TEMP = HIGH DEFAULT) + (GAMMA = #3 DEFAULT) BOARD(BLACK): (COLOR TEMP = Hi-BRIGHT- DEFAULT) + (GAMMA = #4 DEFAULT) BOARD(GREEN): (COLOR TEMP = Hi-BRIGHT- DEFAULT) + (GAMMA = #4 DEFAULT) WHITEBOARD: (COLOR TEMP = MID DEFAULT) + (GAMMA = #5 DEFAULT) · 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".

Please refer to the GAMMA (27) and COLOR TEMP (28) items in the PICTURE menu. · When this function is performed, a certain extra such as a line may appear. Using the buttons / adjusts the brightness. See the item BRIGHTNESS in the PICTURE menu (27). PICTURE MODE BRIGHTNESS 5 EASY Menu EASY Menu (continued) Item CONTRAST COLOR TINT SHARPNESS WHISPER Description Using the buttons / adjusts the contrast. See the item CONTRAST of section PICTURE menu (27). Using the buttons / adjusts the strength of whole color. See the COLOR item in the PICTURE menu (28). Using the buttons / adjusts the tint. See the TINT item in the PICTURE menu (28). Using the buttons / adjusts the sharpness. See the SHARPNESS item in the PICTURE menu (28). · There may be some noise when an adjustment is made. This is not a malfunction. Using the buttons / turns off/on the whisper mode.

See the WHISPER item in the SETUP menu (35). Using the buttons / switches the mode for mirror status. See the MIRROR item in the SETUP menu (36). If Transition Detector is TURN ON and MIRROR status is changed, Transition Detector Alarm (48) will be displayed when projector is restarted after the power switch is turned off. Performing this item resets all of the items of EASY MENU except FILTER TIME and LANGUAGE. A dialog is displayed for confirmation. Selecting RESET using the button performs resetting. Performing this item resets the filter timer which counts usage time of the air filter. A dialog is displayed for confirmation. Selecting RESET using the button performs resetting.

See the FILTER TIME item in the OPTION menu (41). Using the buttons / selects the LANGUAGE item to toggle the menu language. Refer to description of LANGUAGE in the SCREEN menu (37). Select "Go to Advanced Menu" and press the button or the ENTER button to use the menu of PICTURE, IMAGE, INPUT, SETUP, SCREEN or OPTION. MIRROR RESET FILTER TIME LANGUAGE Go to Advanced Menu 6 PICTURE Menu PICTURE Menu With the PICTURE menu, the items shown in the table below can be performed.

@@Then perform it referring to the following table. Item BRIGHTNESS CONTRAST Description Using the buttons / adjusts the brightness. : Using the buttons / adjusts the contrast. : Light ó Dark Strong ó Weak Using the buttons / switches the GAMMA mode. # DEFAULT ó# CUSTOM ó # DEFAULT ó # CUSTOM ó #3 DEFAULT #5 CUSTOM ó #5 DEFAULT ó #4 CUSTOM ó #4 DEFAULT ó #3 CUSTOM To adjust CUSTOM Selecting a mode of CUSTOM and then pressing the button or the ENTER button ENTER : 1234567 8 displays a dialog to aid you in adjusting the mode.

This function is useful when you want to change the brightness of particular tones. +0 +0 +0 +0 +0 +0 +0 +0 Choose an item using the buttons /, and GAMMA [CUSTOM 1] adjust the level using the buttons /. You can display a test pattern 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 ð Gray scale of 9 steps Ramp Gray scale of 5 steps The eight equalizing bars correspond to eight tone levels of the test pattern except the darkest in the left end. If you want to adjust the nd tone from left end on the test pattern (Gray scale of 9 steps), use the equalizing adjustment bar "". The darkest tone at the left end of the test pattern cannot be controlled with any of equalizing adjustment bar. · When this function is performed, a certain extra such as a line may appear. GAMMA 7 PICTURE Menu PICTURE Menu (continued) Item Description Using the buttons / switches the mode of color temperature. HIGH DEFAULT HIGH CUSTOM MID DEFAULT MID CUSTOM LOW DEFAULT LOW CUSTOM Hi-BRIGHT-1 DEFAULT Hi-BRIGHT-1 CUSTOM Hi-BRIGHT-2 DEFAULT Hi-BRIGHT-2 CUSTOM To adjust CUSTOM Selecting the CUSTOM and then pressing the ENTER : button or the ENTER button displays a dialog OFFSET GAIN RGB RGB to aid you in adjusting the OFFSET and/or GAIN of the CUSTOM mode.



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OFFSET adjustments change the color intensity +0 +0 +0 +0 +0 +0 on the whole tones of the test pattern. COLOR TEMP [CUSTOM-1] GAIN adjustments mainly affect color intensity on the brighter tones of the test pattern. Choose an item using the buttons /, and adjust the level using the buttons /. You can display a test pattern 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 ð Gray scale of 9 steps Ramp Gray scale of 5 steps · When this function is performed, a certain extra such as a line may appear. COLOR 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 Redish · This item can be selected only for a video signal, s-video or component video signal.

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. COLOR TEMP TINT SHARPNESS 8 PICTURE Menu PICTURE Menu (continued) Item Description Selecting a mode of MY MEMORY using the buttons / and then pressing the button or the ENTER button performs each function. LOAD ó LOAD ó LOAD3 ó LOAD4 SAVE4 óSAVE3 ó SAVE ó SAVE This projector has 4 numbered memories for adjustment data.

Performing the LOAD, LOAD, LOAD3 or LOAD4 loads the data on the memory whose number corresponds to the command's number, and adjusts the picture automatically depending on the data. Performing the SAVE, SAVE, SAVE3 or SAVE4 saves the current adjustment data on the memory whose number corresponds to the command's number. · The current adjustment data of the items in the PICTURE menu is stored. · There may be some noise and/or the screen may flicker for a moment when data is loaded to memory. This is not a malfunction.

When the current settings are not saved to memory the following dialog is displayed. MY MEMORY To load saved adjustment settings press the MEMORY button. When there are no saved adjustment settings the following dialog is displayed. 9 IMAGE Menu IMAGE Menu With the IMAGE menu, items shown in the table below can be performed. @@Then perform it referring to the following table. Item Description Using the buttons / switches the mode for aspect ratio. For an RGB signal NORMAL ó 4:3 ó 6:9 ó SMALL ASPECT For a video signal, s-video signal or component video signal 4:3 ó 6:9 ó 4:9 ó SMALL For a no signal 4:3 (fixed) · The NORMAL mode keeps the original aspect ratio of the signal. OVER SCAN 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 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. If this occurs please reset the vertical position to the default setting. Pressing the RESET button when V POSITION is selected will reset the V POSITION to the default setting. For a video signal, s-video signal or component video signal The adjustable range of V.POSITION depends on the OVERSCAN setting. It is not possible to adjust when the OVERSCAN is set to 0. 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 the RESET button when H POSITION is selected will reset the H POSITION to the default setting. For a video signal, s-video signal or component video signal The adjustable range of H.POSITION depends on the OVERSCAN setting.

It is not possible to adjust when the OVERSCAN is set to 0.

Using the buttons / adjusts the horizontal phase to eliminate flicker. Right ó Left · This item can be selected only for an RGB signal or a component video signal. V POSITION H POSITION H PHASE 30 IMAGE Menu IMAGE Menu (continued) Item Description Using the buttons / adjusts the horizontal size.

Large ó Small · This item can be selected only for an RGB 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 on the remote control during this operation. Selecting this item performs the automatic adjustment feature. For an RGB signal The vertical position, the horizontal position, the horizontal phase and the horizontal size will be automatically set to default. And the aspect ratio will be automatically selected. 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 or s-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 the VIDEO FORMAT item in the INPUT menu. For a component video signal, the signal type is identified automatically independently of this function.

For a video signal, s-video signal or component video signal The vertical position, horizontal position and aspect ratio will be automatically set to default. For a component video signal The horizontal phase will be automatically set to default. · The automatic adjustment operation requires about 0 seconds. Also please note that it may not function correctly with some input. H SIZE AUTO ADJUST EXECUTE 3 INPUT Menu INPUT Menu With the INPUT menu, the items shown in the table below can be performed. @@Then perform it referring to the following table. Item Description Using the buttons / switches the progress mode. TV ó FILM ó TURN OFF · This function is performed only for an interlaced signal of a VIDEO input, an S-VIDEO input or COMPONENT VIDEO input of 55i (480i) or 65i (576i) signal. · When TV or FILM is selected, the screen image will be sharp. FILM adapts to the -3 Pull-Down conversion system.

But these may cause a certain defect (for example, jagged line) of the picture for a quick moving object. In such a case, please select TURN OFF, even though the screen image may lose the sharpness. Using the buttons / switches the noise reduction mode. HIGH ó MID ó LOW · This function performs only at a VIDEO input, an S-VIDEO or COMPONENT VIDEO input of 55i(480i) or 65i(576i) signal. · When this function is excessive, it may cause a certain degradation of the picture.



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Using the buttons / switches the mode for color space. AUTO ó RGB ó SMPTE40 ó REC709 ó REC60 COLOR SPACE · This item can be selected only for an RGB signal or a component video signal (except signals of SCART RGB from the component video port). · The AUTO mode automatically selects the optimum mode. · The AUTO operation may not work well at some signals. In such a case, it might be good to select a suitable mode except AUTO.

PROGRESSIVE VIDEO NR 3 INPUT Menu INPUT Menu (continued) Item Description Using the buttons / switches the function of COMPONENT VIDEO port. COMPONENT ó SCART RGB When the SCART RGB is selected, the COMPONENT VIDEO port function as a port for a SCART RGB signal input and VIDEO port function as a port for SCART RGB sync input. A SCART adapter and SCART cable realize a SCART RGB input to the projector. For details, contact your dealer. Set the video format for the s-video port and video port. (1) Use the / buttons to select the input port. (2) Using the buttons / switches the mode for video format. AUTO ó NTSC ó PAL ó SECAM N-PAL ó M-PAL ó NTSC4.43 · This item is performed only for a video signal from the VIDEO port or the S-VIDEO port. · The AUTO mode automatically selects the optimum mode.

· The AUTO operation may not work well for some signals. If the picture becomes unstable (ex. an irregular picture, a color lack), please select the mode depending on the input signal. Using the buttons / turns the frame lock function on/off. TURN ON ó TURN OFF · This item performs only at a RGB signal with vertical frequency of 50 to 60 Hz. · When the TURN ON is selected, a moving picture is displayed more smoothly. · This function may cause a certain degradation of the picture. In such a case, please select the TURN OFF. Set the RGB input signal type for the RGB port. (1) Use the / buttons to select the RGB port to be set.

RGB ó RGB (2) Use the / buttons to select the RGB input signal type. SYNC ON G ON ó SYNC ON G OFF · Selecting TURN ON turns on the SYNC ON G mode. The SYNC ON G mode allows reception of SYNC ON G. · In the SYNC ON G mode, the picture may be distorted with certain input signals. In such a case, remove the signal connector so that no signal is received and turn SYNC ON G off, and then reconnect the signal.

COMPONENT VIDEO FORMAT FRAME LOCK RGB IN 33 INPUT Menu INPUT Menu (continued) Item Description The resolution for the RGB and RGB input signals can be set on this projector. (1) In the INPUT menu select RESOLUTION using the / buttons and press the button. The RESOLUTION menu will be displayed. (1) In the RESOLUTION menu select the resolution you wish to display using the / buttons. Selecting AUTO will set a resolution appropriate to the input signal.

(3) Pressing the or Enter button when selecting a STANDARD resolution will automatically adjust the horizontal and vertical positions, clock phase and horizontal size and automatically select an aspect ratio. The INFORMATION dialog (43) will be displayed. RESOLUTION MENU INFORMATION RGB 80x768@ 60 RESOLUTION *2 (4) To set a custom resolution use the / buttons to select CUSTOM and the CUSTOM RESOLUTION BOX will be displayed. Set the horizontal (HORZ) and vertical (VERT) resolutions using the /// buttons. * (5) To save the setting place the cursor on the right-most digit and press the button. @@@@* Not all resolutions are guaranteed. @@@@* Using the buttons / corrects the keystone distortion. @@At some signals, this function may not work well. @@Using the buttons / turns off/on the whisper mode. @@High ó Low Allocates the audio ports.

@@When off is selected, all audio ports do not work for the input port. @@@@To quit the operation, press the MENU button on the remote control or keep no operation for about 0 seconds. Using the buttons / switches the mode for the blank screen. The blank screen is a screen for the temporarily blanking feature (22). It is displayed by pressing the BLANK button on the remote control. MyScreen ó ORIGINAL ó BLUE ó WHITE ó BLACK BLANK MyScreen is a screen you can register as a desired screen. The ORIGINAL screen is the existing standard screen. BLUE, WHITE and BLACK are non-patterned (plain) screens in each color. · To avoid remaining as an afterimage, the MyScreen and the ORIGINAL screens will change to the BLACK screen after several minutes. · For the MyScreen, please refer to the MyScreen item (38).

37 SCREEN Menu SCREEN Menu (continued) Item Description Using the buttons / switches the mode for the start-up screen. The start-up screen is a screen displayed when no signal or an unsuitable signal is detected. MyScreen ó ORIGINAL ó TURN OFF MyScreen is a screen you can register as a desired screen. The ORIGINAL screen is the existing standard screen. When TURN OFF is selected, the BLACK screen is used.

· To avoid remaining as an afterimage, the MyScreen and the ORIGINAL screens will change to the BLANK screen after several minutes. If also the BLANK screen is the MyScreen or ORIGINAL, it will change to the BLACK screen. · For the MyScreen, please refer to the item MyScreen below. For the BLANK screen, please refer to the BLANK item (37). · This function will be unavailable and fixed to Myscreen when MyScreen Password in the Security Menu is on. This item functions for capturing the MyScreen of the blank screen and the start-up screen. Please execute displaying the input including the picture you want to capture. · Selecting this item displays a dialog titled "MyScreen". It will ask you if you start capturing the picture from the current screen. Please wait for the target picture to be displayed, and press the ENTER button on the remote control when the picture is displayed. The picture will freeze and the frame for capturing appears. To stop performing, press the RESET or ESC button on the remote control. · Using the buttons /// adjusts the frame position.

Please move the frame to the position of the picture which you want to use. The frame may not be able to be moved for some input signals. To start registration, press the ENTER button on the remote control. To restore the screen and return to the previous dialog, press the RESET or ESC button on the remote control. Registration takes several minutes. When the registration is completed, the registered screen and the message "MyScreen registration is finished." are displayed for several seconds. If the registration failed, the message "A capturing error has occurred. Please try again." is displayed. · This function will be unavailable when MyScreen Password in the Security Menu is on. NOTE : The KEYSTONE cannot be adjusted while using the MyScreen function. Using the buttons / turns on/off the MyScreen lock function. TURN ON ó TURN OFF When the TURN ON is selected, the item MyScreen is locked.



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Use this function for protecting the current MyScreen.

· This function will be unavailable when MyScreen Password in the Security Menu is on. START UP MyScreen MyScreen Lock 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 ration displayed by changing The indication of the My Memory displayed by changing The indication of the Picture Mode displayed by changing The indication of "FREEZE" and "II" while freezing the screen by pressing the FREEZE button. · When the TURN OFF is selected, please remember if the picture is freezing. Do not mistake freezing for a malfunction (22). 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 SCREEN NAME menu to select the port to be named and press the button. The SOURCE NAME dialog will be displayed. (3) The current name will be displayed on the first line. Use the /// and ENTER or INPUT buttons to select and enter characters. The RESET button can be used to erase character at a time. The name can be a maximum of 6 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 the 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 SOURCE NAME MENU MESSAGE *Right side of the menu is blank until a name is specified SOURCE NAME OPTION Menu OPTION Menu With the OPTION menu, the items shown in the table below can be performed. Select an item using the cursor buttons / on the projector or remote control, and press the cursor button on the projector or remote control, or the ENTER button on the remote control to execute the item, except for the items LAMP TIME and FILTER TIME. Then perform it referring 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. RGB IN ð RGB IN ð COMPONENT VIDEO ð S-VIDEO ð VIDEO 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 TURN OFF. This function will be unavailable when Transition Detector is on (48). Using the buttons / turns on/off the AUTO ON function. TURN ON ó TURN OFF When set to TURN ON, the lamp will only be automatically turned on when the Power switch is turned on after the power was turned off by Power switch last time. The lamp will not be automatically turned on when the Power switch is turned on if the lamp was turned off with the following procedures. · The lamp was turned off with a remote control, projector button, or power turn off command. · The lamp was turned off with an AUTO OFF function (41).

· The lamp was turned on by an AUTO ON function and was turned off about 30 minutes after no signal had been detected. When no input is detected after the power on and AUTO OFF time is set to 0, the projector will be turned off after about 30 minutes passed. When no input is detected after the power on and AUTO OFF time is set to 99, the projector will be turned off after the passed time reaches at the set time. If one of the projector's buttons or the remote control buttons is pressed or one of the commands (except get commands) is transmitted from the control port during the corresponding time, projector will not be turned off. AUTO SEARCH AUTO KEYSTONE AUTO ON 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 ENABLE AUTO OFF DISABLE 0 AUTO OFF When the time is set to 0, the projector is not turned off automatically. When the time is set to 99, and when the passed time with nosignal 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 from the control port during the corresponding time, projector will not be turned off. Please refer to the section "Turning off the power" (17). The lamp time is the time counted after the last resetting. It is shown in the OPTION menu as the usage time of the lamp. Pressing the RESET button on the remote control or the button of the projector displays a dialog. To reset the lamp time, select the 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" (50, 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. Pressing the RESET button on the remote control or the button of the projector 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" (52, 53). Sets the assigned function for the MY BUTTON and buttons on the included remote control. · RGB: Sets port to RGB. · RGB: Sets port to RGB. · COMPONENT: Sets port to COMPONENT. · S-VIDEO: Sets port to S-VIDEO. · VIDEO: Sets port to VIDEO. · INFORMATION: Displays INPUT INFORMATION (43).



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