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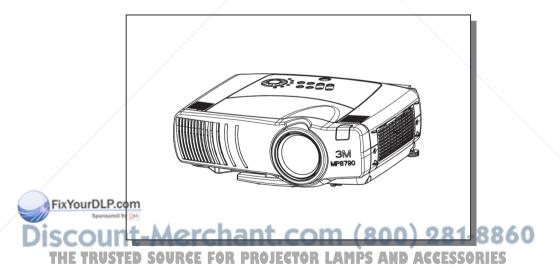
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3M MP8790 Multimedia Projector

Operator's Guide



MP8790 Multimedia Projector Operator's Guide

Thank you for purchasing this projector.

WARNING • Please read the "Product Safety Guide" and this "Operator's Guide" thoroughly to ensure correct usage through understanding. After reading, store this instruction manual in a safe place for future reference.

NOTE • The information in this manual is subject to change without notice.

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This liquid crystal projector is used to project various computer signals as well as NTSC / PAL / SECAM video signals onto a screen. Little space is required for installation and large images can easily be realized.

Ultra High Brightness

Crisp, ultra-bright presentations is achieved by using a UHB (ultra high brightness) lamp and a highly efficient optical system

Partial Magnification Function

Interesting parts of images can be magnified for closer viewing

One Touch Function

Just press the ONE TOUCH button to automatically retrieve input signals, calibrate images, and correct keystone distortion

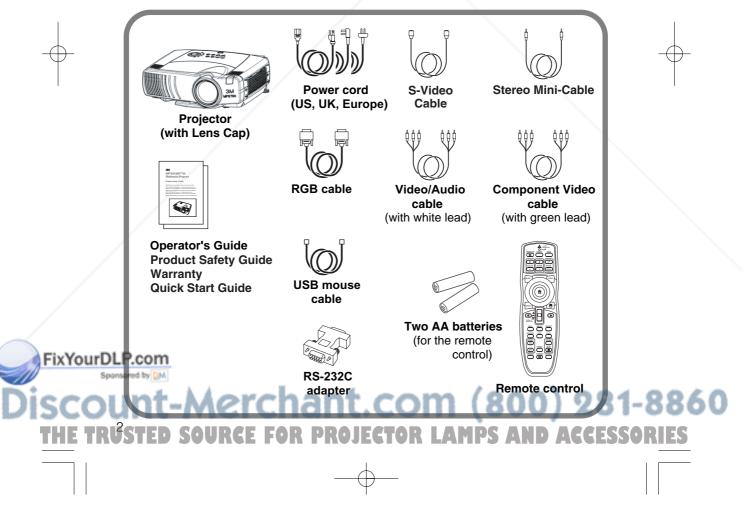
Whisper Mode Equipped Special mode is available for reducing

projector noise to achieve quieter operation

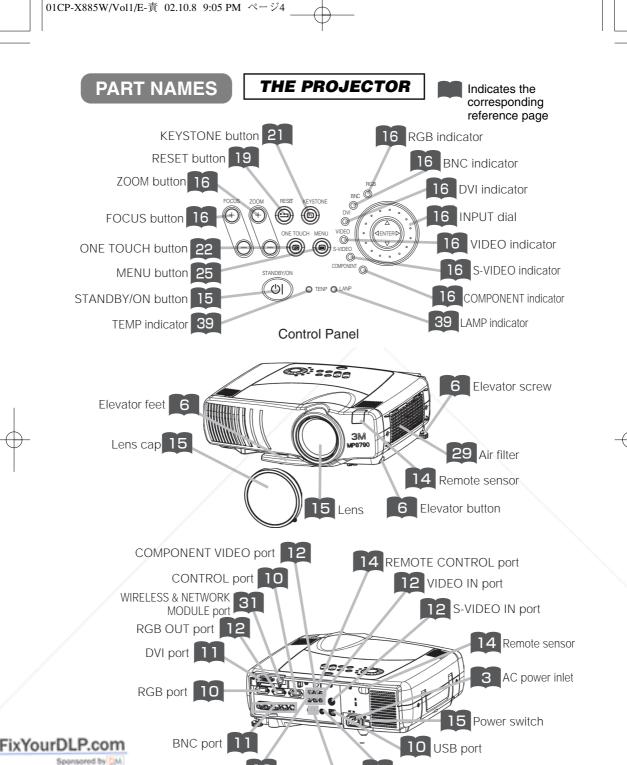
PREPARATIONS

Your projector should come with the items shown below. Check to make sure that all the items are included. Contact your dealer if anything is missing.

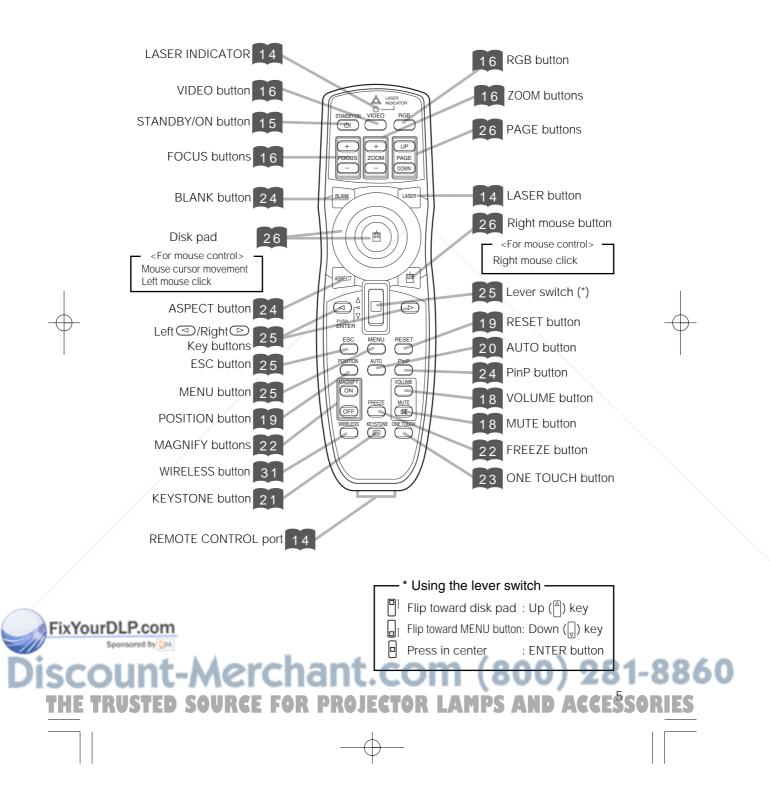
NOTE • Keep the original packing material for future reshipment.



WARNING Precautions to observe in regards to the power cord: Please use extra aution when connecting the projector's power cord as incorrect or faulty connections may result in FIRE AND/OR ELECTRICAL SHOCK. Please adhere to the following safety guidelines to insure safe operation of the projector: Only plug the power cord into outlets rated for use with the power cord's specified voltage range. • Only use the power cord that came with the projector. • NEVER ATTEMPT TO DEFEAT THE GROUND CONNECTION OF THE THREE-**PRONGED PLUG!** · Make sure that you firmly connect the power cord to the projector and wall outlet. **Connect your devices to the projector** 8 ~ 12 1 Connect your computer, VCR and/or other devices you will be using to the projector. Insert the batteries into the remote 13 2 control **Connect the power cord** 3 (1) Connect the connector of the electrical power cord to the AC inlet of the main unit. (2) Firmly plug the power cord's plug into the outlet Power outlet AC inlet Power cord FixYourDLP.com t-Merchant.com (800) 281-8860 ED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES



AUDIO IN R/L port 12 9 AUDIO OUT port 10 AUDIO IN 1/2 port 00 281-8860 THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES THE REMOTE CONTROL



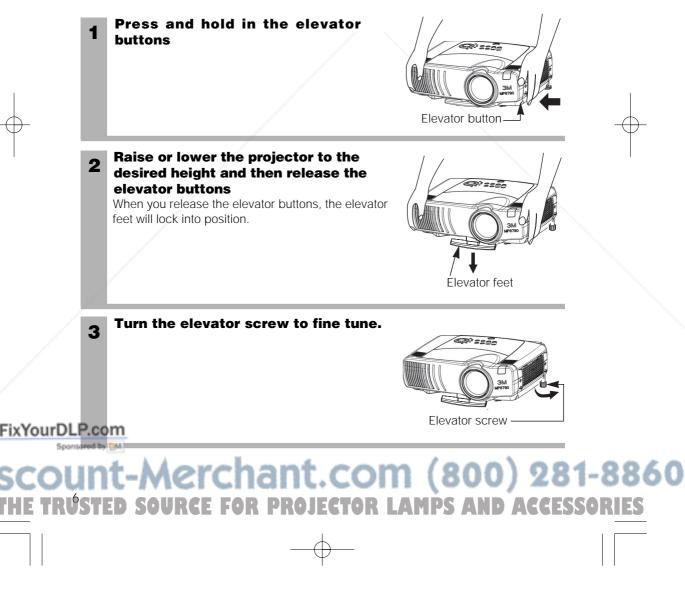
SETTING UP THE PROJECTOR

▲ CAUTION • Install the projector in a suitable environment according to instructions of the "Product Safety Guide" and "Operator's Guide".

 If you press the elevator buttons without holding the projector, the projector might crash down, overturn, smash your fingers and possibly result in malfunction. To prevent damaging the projector and injuring yourself, ALWAYS HOLD THE PROJECTOR whenever using the elevator buttons to adjust the elevator feet.

Adjusting the Projector's Elevator Feet

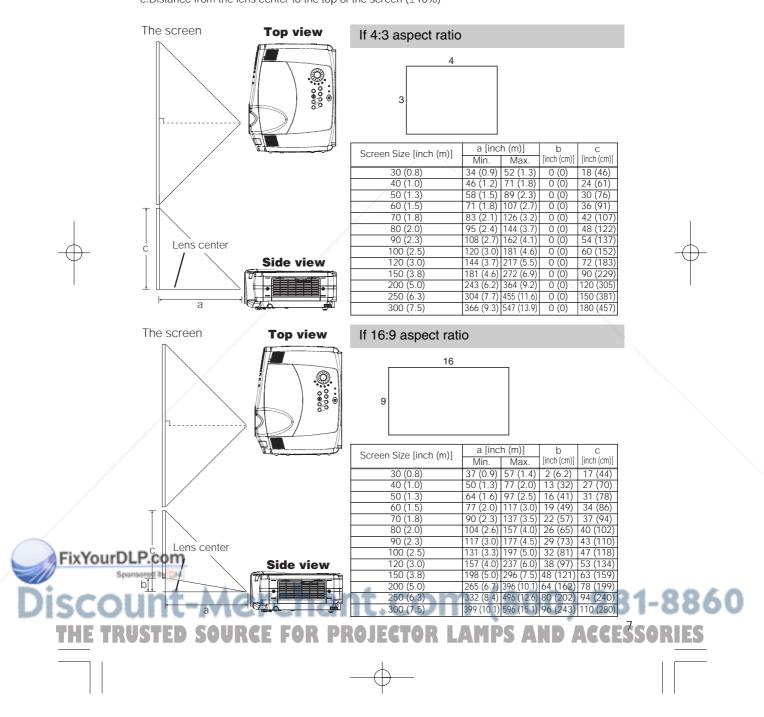
If the surface on which the projector is placed, or the screen is tilted, use the elevator feet and elevator screw to adjust the projection angle of the main unit. The adjustment range of the elevator feet is 0 to 9 degrees.



Adjusting the Screen Size and Projection Distance

Refer to the illustrations and tables below to determine the screen size and projection distance.

The values shown in the table are calculated for a full size screen a:Distance from the projector to the screen $(\pm 10\%)$ b:Distance from the lens center to the bottom of the screen $(\pm 10\%)$ c:Distance from the lens center to the top of the screen $(\pm 10\%)$



CONNECTING YOUR DEVICES

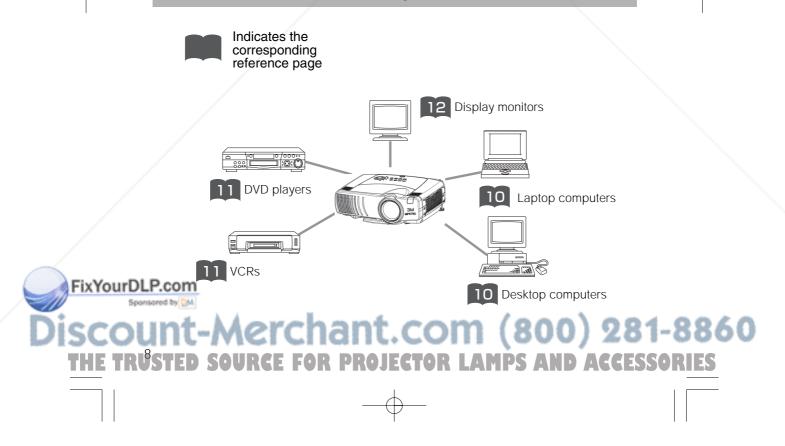
Devices You Can Connect to the Projector (Refer to this section for planning your device configuration to use for your presentation.)

▲ CAUTION • Incorrect connecting could result in fire or electrical shock. Please read the "Product Safety Guide" and this "Operator's guide".

ATTENTION Precautions to observe when connecting other devices to the projector • Whenever attempting to connect other devices to the projector, please thoroughly read the manual of each device to be connected.

• TURN OFF ALL DEVICES prior to connecting them to the projector. Attempting to connect a live device to the projector may generate extremely loud noises or other abnormalities that may result in malfunction and/or damage to the device and/or projector. Refer to the "Technical" for the pin assignment of connectors and RS-232C communication data.

- Make sure that you connect devices to the correct port. Incorrect connection may result in malfunction and/or damage to the device and/or projector.
- Some cables may have to be used with core set. Use the accessory cable or a designated-type cable for the connection. For cables that have a core only at one end, connect the core to the projector.
- · Secure the screws on the connectors and tighten.



Ports and Cables

Refer to the table below to find out which projector port and cable to use for connecting a given device. Use this table for determining which cables to prepare.

Function	Projector Port	Connection Cables	
Analog RGB input	RGB	RGB cable (With D-sub 15-pin shrink jack and inch thread screws)	
-	BNC(R/C _R /P _R)(G/Y)(B/C _B /P _B)(H)(V) • When BNC (RGB) is selected (*)	BNC cable	
Analog output	RGB OUT	RGB cable (With D-sub 15-pin shrink jack and inch thread screws)	
DVI input	DVI	DVI cable	
Audio input from computer	AUDIO IN 1 • Linked to RGB or DVI port input	Audio/video cable (Stereo mini)	
Audio input ironi computer	AUDIO IN 2 • Linked to BNC (RGB) port input (*)		
USB mouse control	USB	USB cable	
PS/2 mouse control		PS/2 mouse cable	
ADB mouse control	CONTROL	ADB mouse cable	
Serial mouse control	CONTROL	Serial mouse cable	
RS-232C communications		RS-232C adapter + RS-232C cable	
S video input	S-VIDEO IN	S-video cable (mini DIN 4-pin jack)	
Video input	VIDEO IN	Audio/video cable	
	$COMPONENT(C_R/P_R)(C_B/P_B)(Y)$		
Component video input	BNC(R/C _R /P _R)(G/Y)(B/C _B /P _B) • When BNC (COMPONENT) is selected (*)	Component video cable	
Audio input from video equipment	AUDIO IN R,L	Audio/video cable or audio cable (RCA jack)	
Audio output	AUDIO OUT	Audio cable (Stereo mini)	
Wired remote control signal input	REMOTE CONTROL	Audio cable (Stereo mini)	

* Before using the BNC port, change RGB input to component video input on the BNC menu item of the INPUT menu.

NOTE About Plug-and-Play Capability

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This projector is compatible with VESA DDC 1/2B. Plug-and-Play can be achieved by connecting this projector to computers that are VESA DDC (display data channel) compatible. Please take advantage of this function by connecting the accessory RGB cable to the RGB port (DDC 1/2B compatible). Plug-and-Play may not work properly if any other type of connection is attempted.
 Plug-and-Play is a system composed of the computer, its operating system and

peripheral equipment (i.e. display devices).

Please use the standard drivers as this projector is a Plug-and-Play monitor

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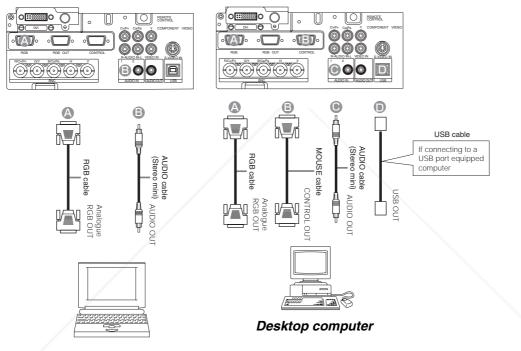
360

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CONNECTING YOUR DEVICES (continued)

Connecting to a Computer

ATTENTION Whenever attempting to connect a laptop computer to the projector, be sure to activate the laptop's RGB external image output (set the laptop to CRT display or to simultaneous LCD and CRT display). For details on how this is done, please refer to the instruction manual of the corresponding laptop computer.



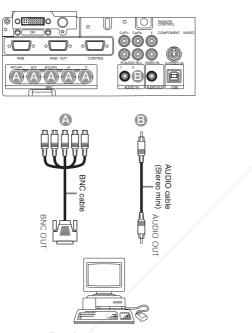
Laptop computer

NOTE

- Some computers may have multiple display screen modes. Use of some of these
- modes will not be possible with this projector.
- For some RGB input modes, the optional Mac adapter is necessary.



Connecting to a Computer (continued)



BNC Input

DVI Input

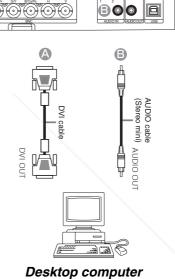
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REMOTE CONTROL

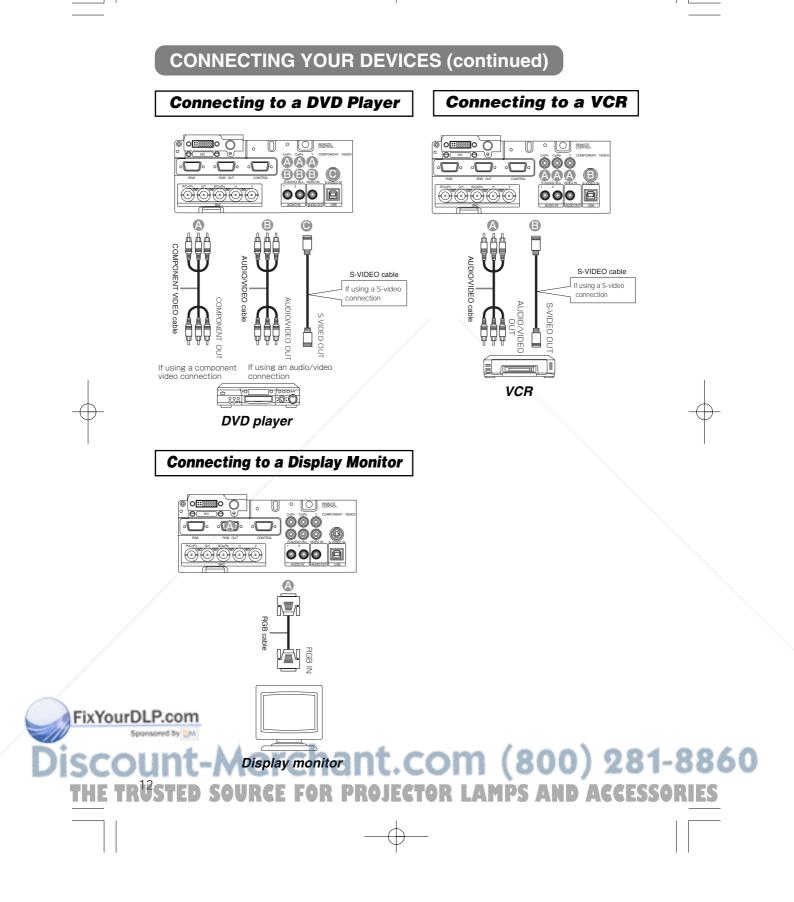
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Desktop computer





USING THE REMOTE CONTROL

Putting batteries into the remote control unit

CAUTION Precautions to observe in regards to the batteries

Always handle the batteries with care and use them only as directed. Improper use may result in battery cracking or leakage, which could result in fire, injury and/or pollution of the surrounding environment.

- · Keep the battery away from children and pets.
- Be sure to use only the batteries specified for use with the remote control. Do not mix new batteries with used ones.
- When inserting batteries, verify that the plus and minus terminals are aligned correctly (as indicated in the remote control).
- When you dispose the battery, you should obey the law in the relative area or country.

Remove the battery cover 1

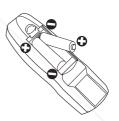
Slide back and remove the battery cover in the direction of the arrow.



Insert the batteries

2

Align and insert the two AA batteries (that came with the projector) according to their plus and minus terminals (as indicated in the remote control).



Close the battery cover 3

Replace the battery cover in the direction of the arrow and snap it back into place.



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USING THE REMOTE CONTROL (continued) Operating the remote control MARNING • The laser pointer of the remote control transmitter is used in place of a finger or rod. Never look directly into the laser beam outlet or point the laser beam at other people. The laser beam can cause vision problems. <u>CAUTION</u> • Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. JTION · The remote control works with both the projector's front and rear remote sensors. • The range of the remote sensor on the front is 3 meters with a 60-degree range (30 degrees to the left and right of the remote sensor), and back is 3 meters with a 40-degree range. • Since the remote control uses infrared light to send signals to the projector (Class 1 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. • The wired remote control: You can use the remote control as a wired remote control, by connecting the REMOTE CONTROL ports of the main unit and remote control via an audio cable (3.5 dia. stereo mini cable with plugs). **ATTENTION** Precautions to observe when using the remote control · Do not disassemble the remote control. • Do not drop or otherwise expose the remote control to physical impact. • Do not get the remote control wet or place it on wet objects. Doing so may result in malfunction. • Do not place the remote control near the projector's lens, fan, or vents. 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 to malfunction. • When strong light, such as direct sunlight or light from an extremely close range (such as from an

FixYourDLP Giverter fluorescent lamp), hits the projector's remote sensor, the remote control may cease to function.

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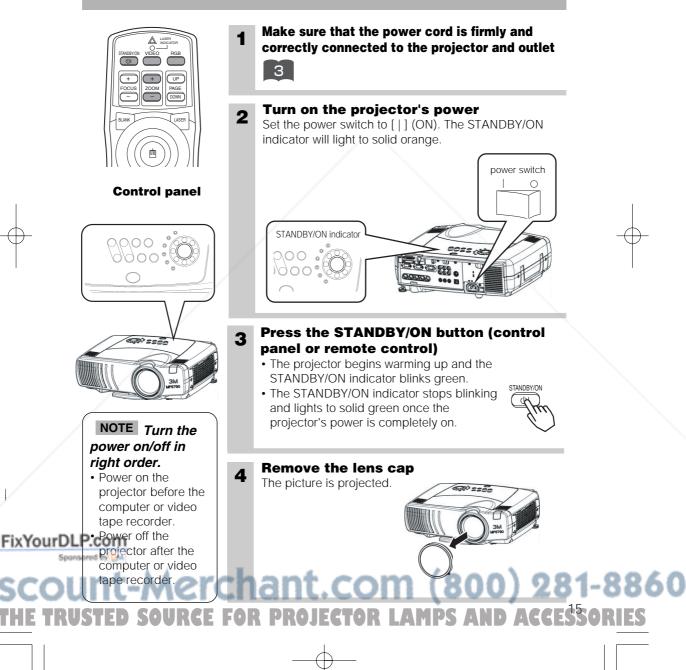
TURNING ON THE POWER

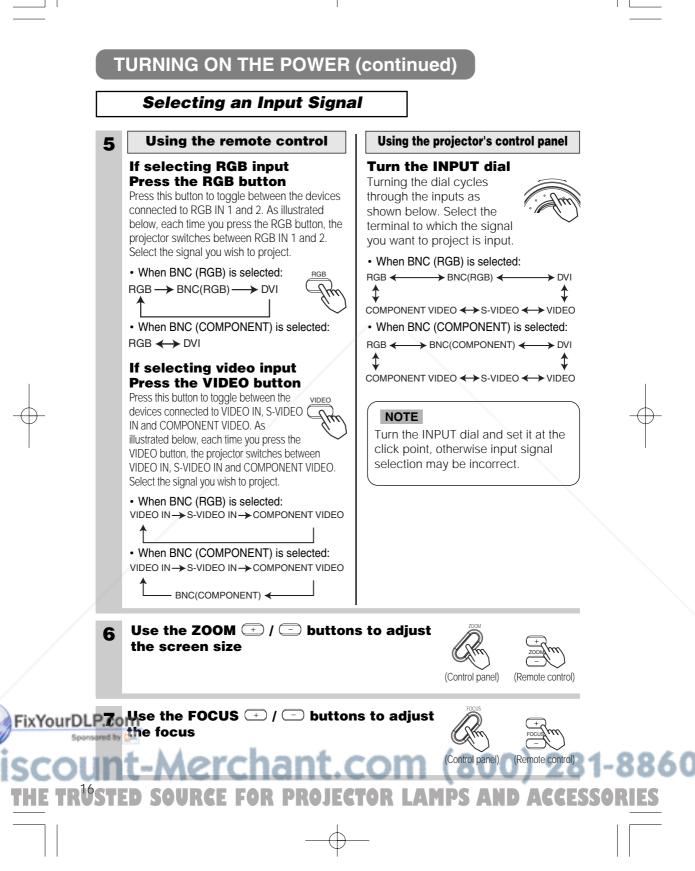
Precautions

Connect all devices to be used to the projector prior to turning on the power.

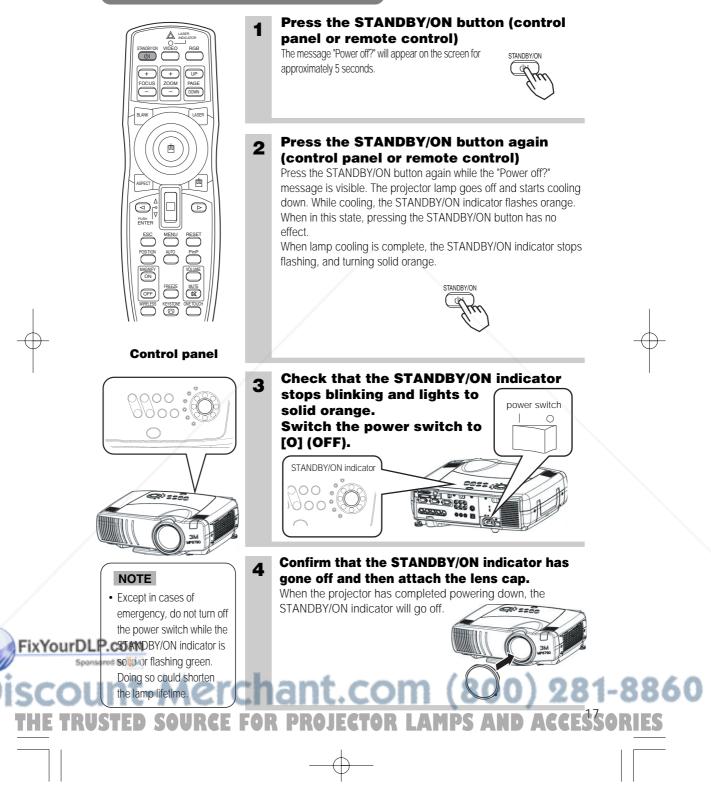


MARNING When the power is ON, a strong light is emitted. Do not look into the lens.





TURNING OFF THE POWER

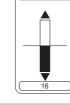


ADJUSTING THE VOLUME



1 Press the VOLUME button

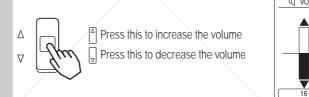
As illustrated on the right, a dialog will appear on the screen to aid you in adjusting the volume.



VOLUME

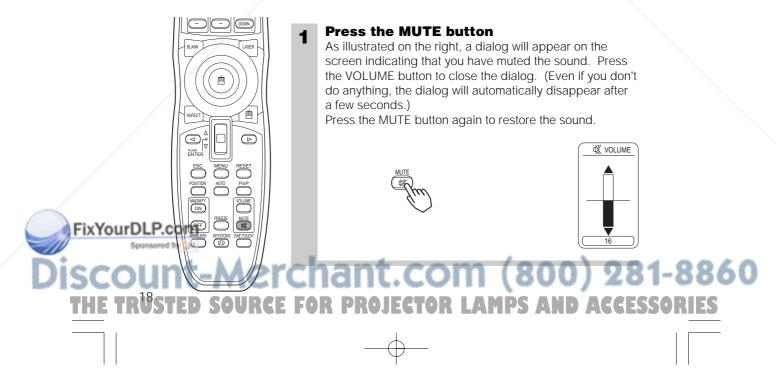
2 Use the lever switch \bigtriangleup / \bigtriangledown to adjust the volume

Press the VOLUME button again to close the dialog and complete this operation. (Even if you don't do anything, the dialog will automatically disappear after a few seconds.)





TEMPORARILY MUTING THE SOUND



ADJUSTING THE POSITION

1



Press the POSITION button

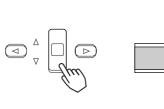
As illustrated on the right, a dialog will appear on the screen to aid you in adjusting the position.

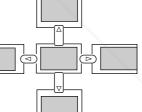


2 Use the \lhd , \boxdot , \bigcirc , \bigcirc , \bigtriangledown , \bigtriangledown buttons to adjust the position

When you want to initialize the position, press the RESET button during adjustment.

Press the POSITION button again to close the dialog and complete this operation. (Even if you don't do anything, the dialog will automatically disappear after a few seconds.) This function is only available for RGB/BNC (RGB) input.







1

USING THE AUTOMATIC ADJUSTMENT FEATURE



Press the AUTO button



Automatic Adjustment for RGB Input

Horizontal position (H. POSIT), vertical position (V. POSIT), clock phase (H. PHASE) and horizontal size (H. SIZE) are automatically adjusted. Make sure that the application window is set to its maximum size prior to attempting to use this feature. Dark pictures may still be incorrectly adjusted. Use a bright screen when adjusting.

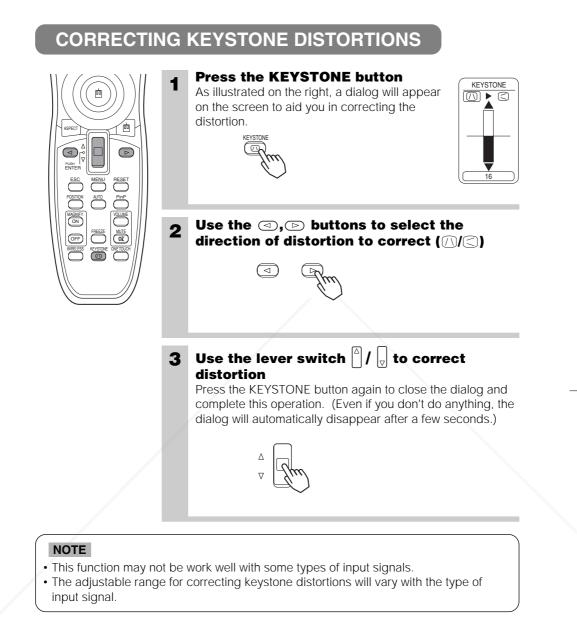
Automatic Adjustment for Video Input

The signal type best suited for the respective input signal is selected automatically. This feature is available only if VIDEO is set to AUTO in the INPUT menu.

NOTE

The automatic adjustment operation requires approximately 10 seconds. Also, please note that it may not function correctly with some input signals.







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USING THE MAGNIFY FEATURE

1



- **Press the MAGNIFY (ON) button** The projector enters MAGNIFY mode.
- **2** Press the POSITION button, then use the lever switch \bigcirc / \bigcirc , \bigcirc / \bigtriangledown to select the area to zoom. Press the POSITION button again to finalize the zoom area.



3 Use the lever switch \bigtriangleup / \bigtriangledown to adjust the zoom level

Press the MAGNIFY (OFF) button to exit MAGNIFY mode and restore the screen to normal. (The projector will also automatically exit MAGNIFY mode if there is a change in the input signal's state.)

NOTE

The projector will automatically exit from MAGNIFY mode if either the INPUT SELECT, AUTO, ASPECT or VIDEO feature is used, or, if there is a change in the input signal's state.

FREEZING THE SCREEN

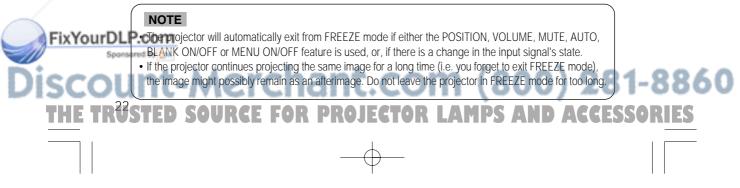
1



Press the FREEZE button

The [II] icon appears and the screen will freeze at the current image. Press the FREEZE button again and the [▶] appears as the projector exits FREEZE mode.





ADJUSTING SCREEN WITH ONE-TOUCH Press the ONE TOUCH button 1 You can activate the following functions just by pressing the ONE TOUCH button: (1) Signal search: Cycle through input signals, displaying 曲 the images of retrieved signals. If no signal is found, returns to the signal that was selected before the search was begun. $(\triangleright$ • When BNC (RGB) is selected: BNC(RGB) -RGB -1 COMPONENT VIDEO ← S-VIDEO ← VIDEO • When BNC (COMPONENT) is selected: RGB → BNC(COMPONENT) -OFF Î COMPONENT VIDEO - S-VIDEO -- VIDEO (2) Automatic adjustment: In RGB mode, automatically adjust the picture position and size; for VIDEO input, automatically select the signal mode. (20) (3) Automatic keystone distortion correction: This is only performed if ONE TOUCH of the AUTO menu is set to TURN ON. When performed, the unit automatically corrects vertical keystone distortion due to the (forward/backward) setup angle of the main unit. (29)

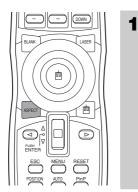
NOTES

- May not function properly with some input signals.
- This function takes about 10 seconds to display an image.



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SELECTING THE ASPECT RATIO



Press the ASPECT button RGB, DVI, COMPONENT VIDEO (HDTV signals : 1125i (1035i/1080i), 750p) 4:3 ← 16:9 VIDEO IN, S-VIDEO IN, COMPONENT VIDEO (Non-HDTV signals : 525i, 525p,625i) 4:3 → 16:9 → SMALL

TEMPORARILY BLANKING THE SCREEN

1

1

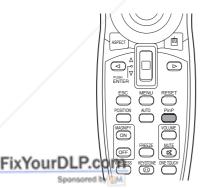


Press the BLANK button

The input signal screen is shut off, and a blank screen appears. You can set the blank screen using the menu (from the SCREEN menu, select BLANK). Press the BLANK button again to remove the blank screen, and return to the input signal screen.



DISPLAYING CHILD WINDOW (P. IN. P: Picture in Picture)



Press the P. in P. Button

You can display the video input in a child window while displaying RGB, BNC, or DVI input.

Display child window → Display child window → No display (small)

You can select the video input to display in the child window, and the position of the child window, from the INPUT menu. (28)

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USING THE MENU FUNCTIONS

1

2



Press the MENU button

The menu display appears on the screen. The projector has the following menus: MAIN, PICTURE-1, PICTURE-2, INPUT, AUTO, SCREEN, and OPTION, WIRELESS. When you select a menu name using the lever switch || / ||, the current settings of items that can be manipulated from that menu are displayed. Use the lever switch || / || / || to select a menu, then press the || > or ENTER button The display of the selected menu appears. [ex. Adjusting SHARPNESS] Use the lever switch || / || / || to select PICTURE-1, then press the || > or ENTER button.



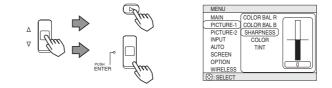
MAIN COLOR BAL R -1 PICTURE-1 COLOR BAL B +1 PICTURE-2 SHARNESS -1 INPUT COLOR +1 AUTO TINT -1 SCREN -1 NO OPTION WIRELESS -1 (2): SELECT -1 -1

3 Use the lever switch $[]{}/[]{}$ to select SHARPNESS, then press the \bigcirc or ENTER button

The operation display of the selected item appears. To adjust a numerical value, press the (b) or ENTER button again to switch to the single menu (small display showing only the operation display area).

[ex. Adjusting SHARPNESS]

Use the lever switch $[A] / \bigcirc$ to select SHARPNESS, then press the \bigcirc or ENTER button.



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 Image: Note in the image: Note in

MULTIFUNCTIONAL SETTINGS

This device has 8 separate menus: MAIN, PICTURE-1, PICTURE-2, INPUT, AUTO, SCREEN, OPTION, WIRELESS. Each of these menus is operated using the same methods. The basic operations of these menus are as follows.

Menu screen display : Press the "MENU" button.

Menu selection : Use the lever switch $\frac{a}{\sqrt{a}}$ to select a menu name, then press the \bigcirc or ENTER button.

Item selection : Use the lever switch $\frac{a}{b}$ to select an item, then press the raccion or entering or entering of the selection of the se

Return menu to last previous screen: Press the \bigcirc button or the ESC button. **Execution of settings and/or adjustments:** Perform the operation using the lever switch \bigcirc / \bigcirc .

(For further details, read the explanation for each separate menu.)

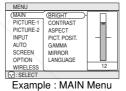
Initialization of settings and/or adjustments: During operation, press the RESET button. (Functions that are executed at the same time as a selection, including H PHASE, LANGUAGE

selection, and ADJUST, will not be reset.)

End menu operations: Press the MENU button, or do not perform any operation for several seconds.

MAIN Menu

With the MAIN menu, the seven items shown in the Table below can be performed. Perform each operation in accordance with the instructions in the Table.



(BRIGHT)

560

MAIN Menu

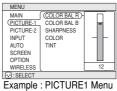
ixYour

	Item	Description	
	BRIGHT	Adjust Brightness: Light A ⇔ Dark	
	CONTRAST	Adjust Contrast: Strong ⓐ ⇔ veak	
	ASPECT	Select Aspect Ratio:At RGB Input or Hi-Vision 1125i(1035i/1080i)/750p of COMPONENT VIDEOInput:4:3 $\[mathbb{]{}} \Leftrightarrow \[mathbb{]{}}$ 16:9At VIDEO Input, S-VIDEO Input or 525i/525p/625i of COMPONENT VIDEO Input:4:3 $\[mathbb{]{}} \Leftrightarrow \[mathbb{]{}}$ 16:9 $\[mathbb{]{}} \Leftrightarrow \[mathbb{]{}}$ SMALL• The SMALL picture may not be displayed correctly with certain input signals.	
	PICT.POSIT.	Select Picture Position (for 16:9/SMALL Picture): TOP $\Box \Leftrightarrow \triangle$ CENTER $\Box \Leftrightarrow \triangle$ BOTTOM	
	GAMMA	Select Gamma Mode:NORMAL $ arrow \Leftrightarrow ^{a}$ CINEMA $ arrow \Leftrightarrow ^{a}$ DYNAMIC	
	MIRROR	Select Mirror Status:NORMAL $\ensuremath{\overline{v}} \Leftrightarrow \ensuremath{^{\circ}}$ H:INVERT $\ensuremath{\overline{v}} \Leftrightarrow \ensuremath{^{\circ}}$ H&V:INVERT	
Sport	LANGUAGE	Select Menu Language: ENGLISH ⇔ ● FRANÇAIS ⇔ ● ● ESPAÑOL ⇔ ● ITALIANO ⊕ ⇔ ● ● NORSK ⊕ ⇔ ●	1-88
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PICTURE-1 Menu

With the PICTURE-1 menu, the five items shown in the Table below can be performed.

Perform each operation in accordance with the instructions in the Table.



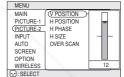
(COLOR BAL R)

PICTURE-1 Menu

Item	Description
COLOR BAL R	Adjust Red Color Balance: Dark $\stackrel{{}_{\scriptstyle \ensuremath{\square}}}{=} \Leftrightarrow \bigcirc$ Light
COLOR BAL B	Adjust Blue Color Balance: Dark $\[\begin{smallmatrix} \Delta \\ \Box \end{smallmatrix} \ \ \ \ \ \ \ \ \ \ \ \ \ $
SHARPNESS	Adjust Sharpness (for VIDEO/S-VIDEO): Clear $\begin{tabular}{l} \begin{tabular}{l} \begin{tabular}{l} \end{tabular}$
COLOR Adjust COLOR (for VIDEO/S-VIDEO/COMPONENT VIDEO): Dark △ □ Light □ □	
TINT	Adjust Tint (for VIDEO/S-VIDEO): Green $\mathbb{A} \Leftrightarrow \mathbb{P}$ Red

PICTURE-2 Menu

With the PICTURE-2 menu, the five items shown in the Table below can be performed. Perform each operation in accordance with the instructions in the



Example : PICTURE2 Menu (V POSITION)

PICTURE-2 Menu

Table.

Item	Description
V POSITION	Adjust Vertical Position (for RGB): Up $\stackrel{\triangle}{=} \Leftrightarrow \overline{\mathbb{Y}}$ Down
H POSITION	Adjust Horizontal Position (for RGB): Left \bigcirc \bigcirc Right
H PHASE Adjust Horizontal Phase (for RGB/COMPONENT VIDEO): Right (^A) ⇔ , Left • Adjust to eliminate flicker.	
H SIZE	 Adjust Horizontal Size (for RGB): Large A ⇔ Small If the horizontal size adjustment is excessive, the image may not be displayed correctly. In such a case, initialize H SIZE with the RESET button.
OVER SCAN Select Over-scan Ratio (for VIDEO/S-VIDEO/COMPONENT VIDEO): LARGE ↓ ⇔ △ MIDDLE ↓ ⇔ △ SMALL • If you select LARGE, you may note streaking on the top and botton screen, or flicker. If this is irritating, we suggest you select SMALL.	

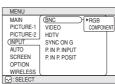
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MULTIFUNCTIONAL SETTINGS (continued)

INPUT Menu

The three Input menu items listed in the table below can be manipulated. For RGB input, the reception signal's horizontal and vertical frequency is displayed on the initial menu screen. Use the table below as a guide for operation.



Example : INPUT Menu (BNC)

INPUT Menu

Item	Description
BNC	$\begin{array}{l} \textbf{BNC Pin (R/C_{R}/P_{R}, G/Y, B/C_{B}/P_{B}, H, V) function selection:} \\ & \text{BNC (RGB) } \\ \hline \textbf{BNC (RGB) } \\ \hline \textbf{BNC (COMPONENT)} \\ \hline \hline \textbf{(R) (G) (B) (H) (V)} \\ \hline \textbf{(C}_{R}/P_{R}) (Y) (C_{B}/P_{B}) (-) (-) \\ \hline \textbf{(Pins for RGB)} \\ \hline \textbf{(Pins for COMPONENT)} \\ \hline \textbf{Selecting BNC (RGB) allows the 5 RGB2 pins (R/C_{R}/P_{R}, G/Y, B/C_{B}/P_{B}, H, V) to be used as RGB signal BNC input as-is. \\ \hline \textbf{Selecting BNC (COMPONENT) allows the 3 leftmost RGB2 pins (R/C_{R}/P_{R}, G/Y, B/C_{B}/P_{B}, G/Y, B/C_{B}/P_{B}, b) to be used as the COMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{B}/P_{B} pins. \\ \hline \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{B}/P_{B} pins. \\ \hline \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{B}/P_{B} pins. \\ \hline \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{B}/P_{B} pins. \\ \hline \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{B}/P_{B} pins. \\ \hline \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{B}/P_{B} pins. \\ \hline \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{B}/P_{R} pins. \\ \hline \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{B}/P_{R} pins. \\ \hline \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{B}/P_{R} pins. \\ \hline \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{B}/P_{R} pins. \\ \hline \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{B}/P_{R} pins. \\ \hline \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{B}/P_{R} pins. \\ \hline \ \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{B}/P_{R} pins. \\ \hline \ \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{B}/P_{R} pins. \\ \hline \ \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{R}/P_{R} pins. \\ \hline \ \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{R}/P_{R} pins. \\ \hline \ \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R}, Y, and C_{R}/P_{R} pins. \\ \hline \ \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R} pins. \\ \hline \ \ \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R} pins. \\ \hline \ \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R} pins) pins } \\ \hline \ \ \ \textbf{BNC (CMPONENT VIDEO input C_{R}/P_{R} pins) pins } \\ \hline \ \ \ \ \ \textbf{BNC (CMPONENT Pins) pins } \\ \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
VIDEO	Select Mode of Signal Type (for VIDEO/S-VIDEO): AUTO
HDTV	 Select HDTV Signal Mode: 1080i ⇔ ^A 1035i If the selected HDTV mode is incompatible with the input signal, the picture may be distorted.
SYNC ON G	 On/Off SYNC ON G Mode: TURN ON G ⇔ TURN 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.
P. IN P. INPUT	P. IN P. screen (*) input signal selection: VIDEO $\bigcirc \Leftrightarrow \triangle$ S-VIDEO Selects the signal displayed on the P. IN P. subscreen.
P. IN P. POSIT	P. IN P. screen (*) display position selection: $\blacksquare \bigcirc \Leftrightarrow \land \land \blacksquare \bigcirc \Leftrightarrow \land \land \blacksquare \blacksquare$

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AUTO Menu

With the AUTO menu, the four items shown in the Table below can be performed.

Please perform each operation in accordance with the instructions in the Table.

MENU			
MAIN	(ADJUST) • EXECU	TE
PICTURE-1	KEYSTONE	Ń	Г
PICTURE-2	POWER OFF	-	
INPUT	ONE TOUCH	A	
(AUTO		-	
SCREEN			
OPTION			
WIRELESS	l		J.
: SELECT			
Even man			

Example : AUTO Menu (ADJUST)

AUTO Menu

Item	Description
ADJUST	 Auto Adjust (for RGB): Automatically adjusts H POSITION, V POSITION, H PHASE, and H SIZE. Use this function with the maximum window size. Auto Adjust (for VIDEO/S-VIDEO): This function automatically selects the appropriate signal mode depending on input signals. This is only performed if AUTO is selected on the VIDEO menu item (23) of the INPUT menu. This function may not be available with a PAL60 signal and certain other signals. The AUTO mode operation requires approximately 10 seconds. For COMPONENT VIDEO, the signal type is identified automatically even if this function is inactive. For more information on HDTV signals, see HDTV. (23)
	 Automatic keystone distortion correction: You can automatically correct vertical keystone distortion corresponding to the angle (forward/backward tilt) at which the unit is set up. If the projection screen is inclined, or if the projector is angled downwards, it may not be possible to make the correct adjustment when V: INVERT or H&V: INVERT is selected under the MIRROR item of the MAIN menu. When the zoom adjustment is set to the TELE side, automatic correction may be excessive. The automatic correction function should be used with zoom set to WIDE whenever possible.
POWER OFF	Adjust POWER OFF Time: Long (MAX. 99 min.) $\bigcirc \Leftrightarrow \bigcirc$ Short (Min. 1 min.) $\bigcirc \Leftrightarrow \bigcirc$ (DISABLE: 0 min.) If the time set here passes without valid signal input (there is no signal input, or signal input is out of specifications), the standby mode is set (see "TURNING ON THE POWER" 15). This function is inactive when DISABLE (0 min.) is selected.
ONE TOUCH 🔞	Enabling/disabling the KEYSTONE () function using the ONE TOUCH () button: TURN ON () ⇔ () TURN ON () ⇔ () TURN ON () ⇔ () TURN OFF Pressing the ONE TOUCH button will automatically retrieve pictures and automatically adjust the screen (see "ADJUSTING SCREEN WITH ONE-TOUCH" (2)), and you can also set the function to execute KEYSTONE () (see above in this table) simultaneously when pressed. KEYSTONE will be executed if TURN ON is selected.

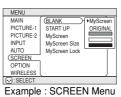
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MULTIFUNCTIONAL SETTINGS (continued)

SCREEN Menu

With the SCREEN menu, the five items shown in the Table below can be performed. Please perform each operation in accordance with the instructions in the Table.



(BLANK)

SCREEN Menu

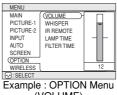
Item Description Selection of BLANK Screen: Selection of BLANK Screen: MyScreen [] [] ORGINAL [] [] ORGINAL [] Inte BLANK MX Screen may be voluntarily selected. The BLANK Screen is displayed when the screen tas been aread (i.e., made to voluntarily selected) the BLANK build (ease refer to the Temporarily Blanking the Screen' section). BLANK WyScreen: Using Table MyScreen category (see this Table below), one can register a desired screen (if screens) At the time of factory shipment, this is as a non-patterned (plain) table color screen. ORGINAL: Listing standard screens Pases mee configuration using the adults screen(s). Option screens: Various colored non-patterned (plain) screens displayed within the Manus. • The MyScreen may be voluntarity selected. The SIANU DP Screen is displayed within the Manus. • The SIANU DP Screen may be voluntarity selected. The SIANU PS Screen is displayed within the Manus. • Start UP Screensel At the time of factory shipment. This is at a non-patterned (plain) blac color screen screens. • The MyScreen in Inpublicd, or where the SIANU Screen (see bance in this table) a few minutes after balage displayed. • WyScreen or ORGINAL: Easing standard screens. • Wish This lime is securically. If MyScreens may be production to MyScreen or Manus Graens the MyScreen or ORGINAL: Easing standard screens. • WyScreen or MyScreen Cale Manus Minute Screen Screens. • WyScreen • The MyScreens and Adv MyScreens Manus Graens ano patterend (plain) blac color screens. <		SONEEN Mei	(BLANK)	
Hyscreen □ + (f) ORIGINAL □ + 0 □ □ □ + 0 0 − □ + 0 0 − □ + 0 0 − □ The BLANK Screen may be voluntarily selected. The BLANK Screen is displayed when the screen has been erased (i.e., made to vanish) by manipulating the BLANK button (please refer to the "Temporarily Blanking the Screen catagory (see this Table, below), one can register a desired screen (or screen). Surface MSCreen catagory (see this Table, below), one can register a desired screen (or screen). OPLICINAL: Existing standard screen: Please make contraint using the MSCreen and the ORIGINAL □ screen (see a non-patterned (plain) black color screen several minutes after being displayed. Start UP Selection of START UP Screen: MyScreen □ + 0 ORIGINAL □ + 0 UNN OFF The MyScreen and the ORIGINAL Screen will see that path the actual screen(s). TURN OFF = A non-patterned (plain) black color screen. START UP Selection of START UP Screen: MyScreen □ + 0 ORIGINAL □ + 0 UNN OFF The START UP Screen may be voluntarily selected. The START UP Screen is displayed when no signal has been inputied, or when spec signals are being inputied. MyScreen ORIGINAL Screen, it will the of factory shpment, this is set as a non-patterned (plain) blac color screen. • The MyScreen and ORIGINAL Screens will switch to the BLANK screen is the MyScreen or ORIGINAL Screen, it will then immediately to a solid black screen. The MyScreen mode (plain) blac color screen. • The MyScreener When the line is exould, the MyScreener. The MyScreen is the MyScreen on the MyScreen on the MyScreen or ORIGINAL Screen is the MyScreen or ORIGINAL Screen, it will then immediately to a solid black screen. • MyScreen		Item	Description	
START UP Screen may be voluntarity selected. The START UP Screen is displayed when no signal has been inputted, or when spec signals are being inputted. MyScreen: Using the MyScreen category (see this Table, below), one can register a desired screen (or screen.). At the time of factory shipment, this is set as a non-patterned (plain) blue color screen. ORIGINAL: Existing standard screens. Please make confirmation using the actual screen(s). TURN OFF: A non-patterned (plain) blue color screen. • The MyScreen and ORIGINAL screens will switch to the BLANK screen (see above in this table) a few minutes after being displayed. If the BLANK screen is the MyScreen or ORIGINAL screens, it will turn immediately to a solid black screen. Registration of MyScreen: When this Item is executed, the MyScreen Menu for registration of MyScreen or or an 'cut' and register desired screens from among the received images within the display. 1. After the 'Do you start capturing this picture?' message has been displayed, pressing the ESC (or RESET) button interrupts execution of the MyScreen. When the ENTER DUTIOn is pressed, the picture becomes static (no longer moves), and a frame for picture cuting, as well as the message that follows below, appear. Please press the button when the screen you want' message has been displayed. WyScreen 2. When the 'two the capture area as you want' message has been displayed. The frame capture area as approximately 1 minute to complete. 2. When the registration has been completed, the screen of the registration. The registration process takes approximately 1 minute to complete. 3. When the registration has been completed, will be displayed for several seconds		BLANK	$\begin{array}{l} \mbox{MyScreen} \ensuremath{\overline{y}} \Leftrightarrow \ensuremath{\overline{D}} \ensuremath{\overline{y}} \leftrightarrow \ensuremath{\overline{D}} \ensuremath{\overline{y}} \ensuremath{\overline{y}} \leftrightarrow \ensuremath{\overline{D}} \ensuremath{\overline{y}} \$	
MyScreen When this item is executed, the MyScreen Menu for registration of MyScreen for the BLANK Screen and the START UP Screen is displayed. When operations are performed in accordance with this Menu, one can "cut" and register desired screens from among the received images within the display. 1. After the 'Do you start capturing this picture?' message has been displayed, pressing the ESC (or RESET) button interrupts execution of the MyScreen. When the ENTER button is pressed, the picture becomes static (no longer moves), and a frame for picture cutting, as well as the message that follows below, appear. Please press the button when the screen you want to register is currently being displayed. 2. When the "Move the capture area as you want." message has been displayed, pressing the ESC (or RESET) button will eliminate the static state of the picture, and operations can be performed again from operation 1. The frame can be moved using the CO, CP, [],)-	START UP	 The START UP Screen may be voluntarily selected. The START UP Screen is displayed when no signal has been inputted, or when spec signals are being inputted. MyScreen: Using the MyScreen category (see this Table, below), one can register a desired screen (or screens). At the time of factory shipment, this is set as a non-patterned (plain) blue color screen. ORIGINAL: Existing standard screens. Please make confirmation using the actual screen(s). TURN OFF: A non-patterned (plain) blue color screen. The MyScreen and ORIGINAL screens will switch to the BLANK screen (see above in this table) a few minutes after being displayed. If the BLANK screen is the MyScreen or 	-
YourDL MyScreen Size Selection of MyScreen display size: x1 , → A FULL Invalidation of MyScreen registration function: TURN ON , → A TURN OFF MyScreen Lock Invalidation of MyScreen registration function: TURN ON , → A TURN OFF When TURN ON is selected, the MyScreen category (see this Table, above) cannot be executed; in this way, one can prohibit rewrites ("writeovers") of the MyScreen.		MyScreen	 Registration of MyScreen: When this item is executed, the MyScreen Menu for registration of MyScreen for the BLANK Screen and the START UP Screen is displayed. When operations are performed in accordance with this Menu, one can "cut" and register desired screens from among the received images within the display. 1. After the "Do you start capturing this picture?" message has been displayed, pressing the ESC (or RESET) button interrupts execution of the MyScreen. When the ENTER button is pressed, the picture becomes static (no longer moves), and a frame for picture cutting, as well as the message that follows below, appear. Please press the button when the screen you want to register is currently being displayed. 2. When the "Move the capture area as you want." message has been displayed, pressing the ESC (or RESET) button will eliminate the static state of the picture, and operations can be performed again from operation 1. The frame can be moved using the (), (), (), (), (), (), (), (), (), (),	
MyScreen Lock Invalidation of MyScreen registration function: TURN ON ₂ ⇔ " TURN OFF When TURN ON is selected, the MyScreen category (see this Table, above) cannot be executed; in this way, one can prohibit rewrites ("writeovers") of the MyScreen.		P.MyScreen Size		
IE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES	COU	MyScreen Lock	When TURN ON is selected, the MyScreen category (see this Table, above) cannot be executed; in	1-8860
	ie trů	STED SOU	RCE FOR PROJECTOR LAMPS AND ACCES	SSORIES
			$-\phi$	

OPTION Menu

With the OPTION menu, the five items shown in the Table below can be performed.

Please perform each operation in accordance with the instructions in the Table.

OPTION Menu



(VOLUME)

Item	Description
VOLUME	Adjust Volume: High $\stackrel{{}_{ heta}}{\to} \bigtriangledown$ Low
WHISPER	Select WHISPER Mode: NORMAL $\Box \Leftrightarrow \square$ WHISPER When WHISPER is selected the WHISPER mode is activated. In the WHISPER mode, acoustic noise and screen brightness are reduced.
IR REMOTE	 Selecting the remote control receiver: The unit has 3 remote control receivers, as shown in the figure to the right (1, 2, and 3). You can select which of them to activate ("v" in the figure), and which to disable. The ambient lighting and other factors may prevent the remote control operation from functioning properly. If this happens, use this function to disable receivers being impacted by unneeded light.
LAMP TIME	 Refer to LAMP TIME: When set, this function displays the total time the projector lamp has been used since new. Reset LAMP TIME [Use this function only when the lamp has been replaced!]: Depress the RESET button for at least 3 seconds while lamp time is being displayed. The reset menu will then appear. After you replace the lamp with a new lamp, select RESET on the menu with the) button. Do not reset the lamp time unless you have replaced the lamp. And, always reset the lamp time when replacing the lamp. The message functions will not operate properly if the lamp time is not reset correctly. Before replacing the lamp, carefully read the descriptions headed "THE LAMP".
FILTER TIME	 Refer to FILTER TIME: This function displays the total time the air-filter has been used since new. Reset FILTER TIME [Use this function only when the filter is cleaned or replaced!]: Depress the RESET button for at least 3 seconds while lamp time is being displayed. The reset menu will then appear. After you replace the filter, select RESET on the menu with the ⁽¹⁾/₁ button. RESET ⁽¹⁾/₁ ⇔ ⁽¹⁾/₁ CANCEL Do not reset the filter time unless you have cleaned or replaced the filter. And, always reset the filter time when cleaning or replacing the filter. The message functions will not operate properly if the filter time is not reset correctly. Before cleaning or replacing the filter, carefully read the descriptions headed "THE AIR FILTER".

WIRELESS Menu

The WIRELESS menu is only enabled if the wireless function is enabled. Using the FixYourDLPwroless function requires a Wireless & Network Module Terminal (sold separately). See the Wireless & Network Module Terminal user's manual for more information about the wireless WIRELESS menu. Contact your local dealer for more information about the wireless seems the Wireless & Network Module Terminal user's manual for more information about the function and Wireless & Network Module Terminal. SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES RUSTED

OPERATING THE PC SCREEN

You can use the remote control as a simplified mouse or keyboard.

CAUTION Caution: Mistaken use of the mouse/keyboard control could damage your equipment.

- Only connect to a PC.
- · Before connecting, read the manuals of the device you will connect.
- · Do not unplug the connector cables while the computer is operating.

BLAM UKEEN RESET POTON PAGE BLAM UKEEN RESET POTON PAGE BLAM UKEEN RESET POTON ALTO POTO

PS/2, ADB, Serial Mouse Control

- 1. Turn off the projector and PC power, and connect the projector's CONTROL terminal to the computer via the mouse cable.
- If a USB cable is connected, disconnect it. If a USB cable is connected, the USB control function is given priority, and mouse control from the CONTROL terminal will not function.
- Turn on the projector power, then the computer. The functions in the table below can be controlled. If you have difficulty with control, restart the computer (either from the software or by pressing the restart button).

Available Functions	Remote Control Operation	
Move Pointer	Move using 🎲 on the disk pad	
Left click with mouse	Press the center	
Right click with mouse	Press the right mouse button	

USB Mouse/Keyboard Control

1. Connect the projector's USB terminal to a PC using a USB cable. The functions in the table below can be controlled.

Available Functions	Remote Control Operation
Move Pointer	Move using 💮 on the disk pad
Left click with mouse	Press the center 👜 of the disk pad
Right click with mouse	Press the right mouse button 💼
Press the keyboard's 🗲 🄿 🕥 😾 keys	Press <
Press the keyboard's ENTER key	Press the ENTER button
Press keyboard's PAGE UP key	Press PAGE UP button
Press keyboard's PAGE DOWN key	Press PAGE DOWN button
Press keyboard's ESC key	Press ESC button

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NOTES

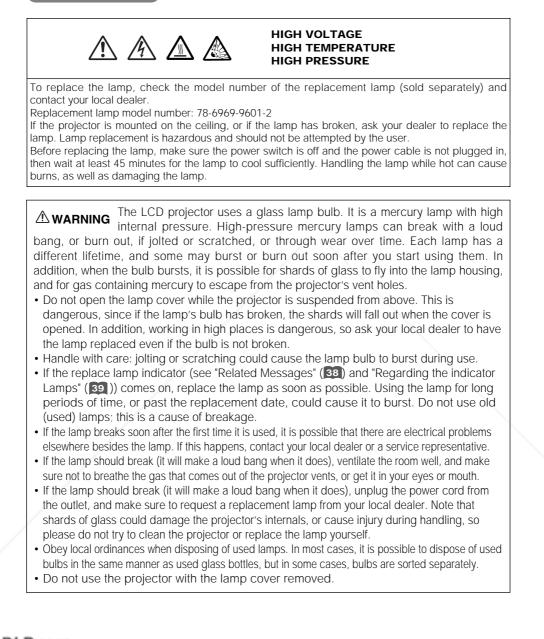
It may not be possible to control notebook PCs, and other computers with built-in pointing devices (e.g. track balls), using this remote control. In this case, before connecting go into BIOS (system setup) and select external mouse, and disable the pointing devices. In addition, the mouse may not function 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 2.1 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 only be used for the functions listed above. 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), while adjusting the volume and

display, correcting for trapezoidal distortion, zooming in on the screen, using the BLANK function, or displaying the menu screen.

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THE LAMP

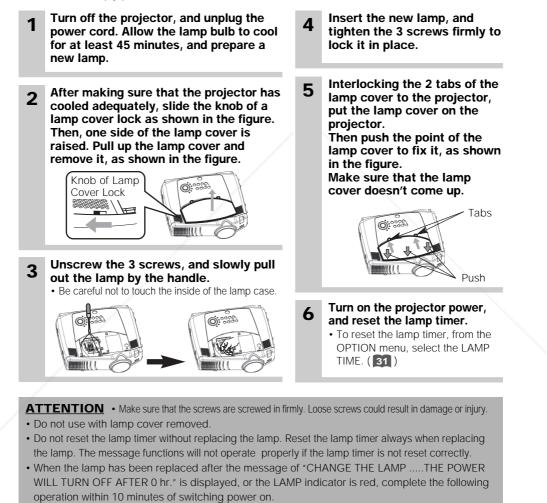


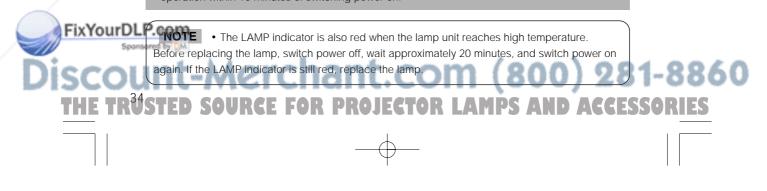


THE LAMP (continued)

Replacing the lamp

All projector lamps will wear out eventually. If used for long periods of time, the image could become darkened, and the color contrast could be impacted as well. We recommend that you replace your lamps early. If the LAMP indicator turns red, or a message prompts you to replace the lamp when you power up the projector, the lamp needs to be replaced. (See "Related Messages" (33) and "Regarding the Indicator Lamps" (39) for details.)





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THE AIR FILTER

Caring for the air filter

The air filter should be cleaned about every 100 hours. If the LAMP indicator and TEMP indicator blink red simultaneously, or a message prompts you to clean the air filter when you turn on the unit, the filter needs to be cleaned. (See "Related Messages" (33) and "Regarding the Indicator Lamps" (39) for details.)

1 Turn off the projector, and unplug the power cord

- 2 Apply a vacuum cleaner to the top of the air filter cover to clean the air filter
- **3** Turn on the projector, and use the menu to reset the filter timer

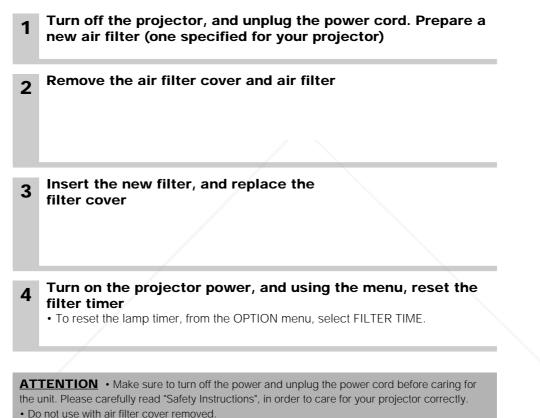
• To reset the air filter timer, from the OPTION menu, select FILTER TIME.



THE AIR FILTER (continued)

Replacing the air filter

If the soiling will not come off the air filter, or it becomes damaged, then it needs to be replaced. Please contact your local dealer, after confirming the model of your separately sold replacement air filter.



 If the air filter becomes clogged by dust or the like, internal temperature rises and could cause malfunction. The power is automatically turned off in order to prevent the unit from overheating internally.



OTHER CARE

Caring for the inside of the projector :

In order to ensure the safe use of your projector, please have it cleaned and inspected by your local dealer about once every 2 years. Never try to care for the inside of the unit yourself. Doing so is dangerous.

Caring for the lens :

Lightly wipe the lens with a commercially available lens-cleaning wipe. Do not touch the lens directly with your hand.

Caring for the cabinet and remote control transmitter :

Wipe lightly with gauze or a soft cloth. If soiling is severe, dip a soft cloth in water or a neutral cleanser diluted in water, and wipe lightly after wringing well. Then, wipe lightly with a soft, dry cloth.

ATTENTION • Make sure to turn off the power and unplug the power cord before caring for the unit. Please carefully read "Safety Instructions" in this manual, in order to care for your projector correctly.

- Do not use cleaners or chemicals other than those listed above, including benzene and paint thinner.
- Do not use aerosols or sprays.
- Do not polish or wipe with hard objects.



WHAT TO DO WHEN YOU THINK A MACHINE DEFECT HAS OCCURRED

Related Messages

When the unit's power is ON, messages such as those shown below may be displayed. When any such message is displayed on the screen, please respond as described below.

Message	Description	
CHANGE THE LAMP AFTER REPLACING LAMP, RESET THE LAMP TIMER. (Note 1)	Lamp usage time is approaching 2,000 hours. (Note 2) Preparation of a new lamp, and an early lamp change, is recommended. After you have changed the lamp, please be sure to reset the lamp timer.	
CHANGE THE LAMP AFTER REPLACING LAMP, RESET THE LAMP TIMER. THE POWER WILL TURN OFF AFTER * * hr. (Note 1)	Lamp usage time is approaching 2,000 hours. A lamp change within * * hours is recommended. (Note 2) When lamp usage reaches 2,000 hours, the power will automatically be turned OFF. Please change the lamp by referring to "THE LAMP" (33). After you have changed the lamp, please be sure to reset the lamp timer.	
CHANGE THE LAMP AFTER REPLACING LAMP, RESET THE LAMP TIMER. THE POWER WILL TURN OFF AFTER 0 hr.	As lamp use has reached 2,000 hours, the power will soon be automatically turned OFF. (Note 2) Please immediately turn the power OFF, and follow the instructions in the "THE LAMP" (33). After you have changed the lamp, please be sure to reset the lamp timer. (31)	
CLEAN THE AIR FILTER AFTER CLEANING AIR FILTER, RESET THE FILTER TIMER.	A note of precaution when cleaning the air filter. After cleaning the filter, operate FILTER TIME of the OPTION Menu (31), and perform reset of the filter timer.	
NO INPUT IS DETECTED ON * * *	There is no input signal. Please confirm the signal input connection, and the status of the signal source.	
SYNC IS OUT OF RANGE ON *** ftl *****kHz fV *****Hz	The horizontal or vertical wavelength of the inputted signal is outside of the response parameters of this unit. Please confirm the specs for this unit or the signal source specs.	
CHECK THE AIR FLOW	The internal portion temperature is rising. Please turn the power OFF, and allow the unit to cool down for approximately 20 minutes. After having confirmed the following items, then please resent the power to ON. • Is there blockage of the air passage aperture? • Is the air filter dirty? • Does the peripheral temperature exceed 35°C?	

NOTES

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Note 1: Although this message will be automatically disappeared after around 3 minutes, it will be reappeared every time the power is turned ON.

FixYourDL with an automatic shut-down function, such that the power will automatically be turned OFF when lamp usage time has reached 2,000 hours. Please be aware, however, that among lamp types, there are major differences in product lifetimes; a lamp may thus fail to light even prior

to the functioning of the automatic shut-down function of this unit.

AMPS

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Regarding the Indicator Lamps

Lighting and flashing of the POWER indicator, the LAMP indicator, and the TEMP indicator have the meanings as described in the Table below. Please respond in accordance with the instructions within the Table.

POWER indicator	LAMP indicator	TEMP indicator	Description
The orange lamp is lighted	Turned OFF (Not lighted)	Turned OFF (Not lighted)	The STANDBY mode is set
Flashing of the green lamp	Turned OFF	Turned OFF	The unit is warming up. Please wait.
The green lamp is lighted	Turned OFF	Turned OFF	The unit is in an ON state. Ordinary operations may be performed.
Flashing of the orange lamp	Turned OFF	Turned OFF	The unit is cooling down. Please wait.
Blinking of the red lamp	-	-	The unit is cooling down. Please wait. A certain error has been detected. Wait until the POWER indicator lamp has finished flashing, and then perform the proper response measure using the item descriptions below as reference.
The red lamp is lighted, or blinks	The red lamp is lighted	Turned OFF	The lamp does not light. There is a possibility that the interior portion has become heated. Turn the power OFF and wait approximately 20 minutes. After the main unit has cooled down, please confirm whether or not there is blockage of the air passage aperture, whether or not the filter is dirty, and/or whether or not the peripheral temperature exceeds 35°C, etc. After performing any needed maintenance, turn the power ON again; if the same display is displayed, then please change the lamp.
The red lamp is lighted, or blinks	Blinking of the red lamp	Turned OFF	Either there is no lamp and/or lamp cover, or either of these has not been properly fixed (attached). Turn the power OFF and wait approximately 45 minutes. After the main unit has sufficiently cooled down, please make confirmation of the attachment state of the lamp and lamp cover. After performing any needed maintenance, turn the power ON again; if the same display is displayed, then please contact a sales store or a service company.
The red lamp is lighted, or blinks	Turned OFF	Blinking of the red lamp	The cooling fan is not operating. Turn the power OFF and wait approximately 20 minutes. After the main unit has cooled down, please make confirmation that no foreign matter has become caught in the fan, etc. After performing any needed maintenance, turn the power ON again; if the same display is displayed, then please contact a sales store or a service company.
The red lamp is lighted, or blinks	Turned OFF	The red lamp is lighted	There is a possibility that the interior portion has become heated. Turn the power OFF and wait approximately 20 minutes. After the main unit has cooled down, please confirm whether or not there is blockage of the air passage aperture, whether or not the filter is dirty, and/or whether or not the peripheral temperature exceeds 35°C, etc. After performing any needed maintenance, turn the power ON again; if the same display is displayed, then please contact a sales store or a service company.
The green lamp is lighted		e blinking red lamp	There is a possibility that the interior portion has become overcooled. Please use the unit within the usage temperature parameters (0°C to 35°C). After performing any needed maintenance, turn the power ON again; if the same display is displayed, then please contact a sales store or a service company.
The green lamp is lighted		ous blinking red lamp	This is a notification that it is time to clean the filter. After cleaning the filter, operate the FILTER TIME portion of the OPTION Menu, and perform reset of the FILTER TIME.

NOTE When the interior portion has become overheated, for safety purposes, the power source is automatically turned OFF, when the interior portion has become overheated, for safety purposes, the power source is automatically turned OFF, when the interior portion has become overheated, for safety purposes, the power source is automatically turned OFF, when the interior portion has become overheated, for safety purposes, the power source is automatically turned OFF, when the interior portion has become overheated, for safety purposes, the power source is automatically turned OFF, when the interior portion has become overheated, for safety purposes, the power source is automatically turned OFF, and wait FixYourDL

and the indicator lamps may also be turned OFF. Press the "O" (power OFF) side of the main power switch, and wait for approximately 20 minutes. Please then use the unit only after having first confirmed that the unit has sufficiently cooled down.

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WHAT TO DO WHEN YOU THINK A MACHINE DEFECT HAS OCCURRED (continued)

Phenomena That May Easily Be Mistaken for Machine Defects

Before requesting repair, check in accordance with the following chart. If the situation cannot be corrected, then contact your dealer.

Phenomenon	Cases not involving a machine defect	Items to be confirmed	Reference Page(s)
	The main power source is not ON.	Turn on the main power.	3, 15
Power does not come ON	The electrical power cord is not plugged in.	Correctly connect the power cord.	- 3, 13
	The main power source has been interrupted during operation, such as by a power outage (blackout), etc.	Be sure to press the "O" (power OFF) side of the main power switch, and leave this OFF for approximately 20 minutes. After the unit has sufficiently cooled down, turn ON the power source.	15
No sound or pictures are	The input changeover settings are mismatched.	Select the input signal, and correct the settings.	16
outputted	No signal is being inputted.	Correctly connect the connection cord.	8-12
Pictures are displayed, but no sounds are heard	The electrical wiring to this unit is not correctly connected.	Correctly connect the connection cord.	8-12
	The volume setting has been set at (or adjusted to) an extremely low level.	Adjust the VOLUME setting to a higher level.	18
	The MUTE mode is the current setting.	Press the MUTE button to release (change) the MUTE mode setting.	18
Sounds are heard, but no pictures are displayed	The electrical wiring to this unit is not correctly connected.	Correctly connect the connection cord.	8-12
	The brightness setting has been set at (or adjusted to) an extremely low level.	Adjust the BRIGHT setting to a brighter level.	26
	The lens cap has not been removed.	Remove the lens cap.	15
Colors have a faded- out appearance Color tone is poor	Color depth setting or color tone setting	Perform picture adjustments by changing the COLOR BAL R, the COLOR BAL B, and/or the TINT settings, etc.	27
	The brightness setting and/or contrast setting has not been properly adjusted.	Perform picture adjustments by changing the BRIGHT and/or CONTRAST settings, etc.	26
Pictures appear dark	The WHISPER mode is the current setting.	Change (by releasing) from the WHISPER mode.	31
	Lamp is approaching the end of its product lifetime.	Exchange the old lamp with a new lamp.	33, 34
Pictures appear blurry	Either the FOCUS setting or the H PHASE is not properly adjusted.	Adjust the FOCUS and H PHASE settings.	16, 27
Input signal changes with no-operation.	INPUT dial is set between the click points.	Turn the INPUT dial and set it at the click point.	16

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THE TR⁴⁰STED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES

Although bright spots or dark spots may appear on the screen, this is a unique characteristic of liquid crystal displays, and such do not constitute or imply a machine defect.

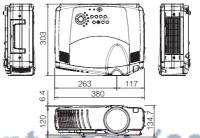
360

SPECIFICATIONS

Liquid crystal projector		
2.5 cm (0.99 type)		
TFT active matrix		
786,432 pixels (1024 horizonta	786,432 pixels (1024 horizontal x 768 vertical)	
Zoom lens F=1.7 ~ 2.4 f=30.5	~ 45.8 mm	
275 W UHB		
1.0W+1.0W (Stereo)		
AC100 ~ 120V, 4.7A / AC220	~ 240V, 2.0A	
430W		
0 ~ 35°C (Operating)		
380 (W) x 120 (H) x 303 (D) m	380 (W) x 120 (H) x 303 (D) mm (Not including protruding part	
5.8 kg		
RGB Input Ports RGB 1 BNC (when RGB selected) - - (R.G.B.H.V) 1 DVI 1 VIDEO Input Ports 1 VIDEO IN 1 S-VIDEO IN 1 COMPONENT VIDEO - - (CR/PR, CB/PB, Y) 1 BNC (when COMPONENT selected) - (CR/PR, Y, CB/PB) 1	AUDIO Ports AUDIO IN 1 1 AUDIO IN 2 1 AUDIO IN 2 1 AUDIO IN 2 1 AUDIO IN (R, L) 1 RGB Output Port 1 AUDIO Output Port 1 AUDIO OUT 1 CONTROL Ports 1 CONTROL 1 USB 1 Other Ports 1 WIRELESS & NETWORK MODULE 1 REMOTE CONTROL 1	
	786,432 pixels (1024 horizontal 786,432 pixels (1024 horizontal Zoom lens F=1.7 ~ 2.4 f=30.5 275 W UHB 1.0W+1.0W (Stereo) AC100 ~ 120V, 4.7A / AC220 430W 0 ~ 35°C (Operating) 380 (W) x 120 (H) x 303 (D) midth 5.8 kg RGB Input Ports RGB NC (when RGB selected) - (R.G.B.H.V) 1 VIDEO IN 1 VIDEO IN 1 S-VIDEO IN 1 COMPONENT VIDEO - (CR/PR, CB/PB, Y) BNC (when COMPONENT selected)	

Dimension Diagram







AMPS AND ACCESSORIES **SOURCE FOR PROJ** THE TR

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ACCESSORIES

Accessories	Part Number
UHB Lamp, 275W	78-6969-9601-2
Air Filter Assy	
Power Cord (US)	
Power Cord (UK)	
Power Cord (Europe)	78-8118-8103-2
VGA Cable	78-8118-8708-8
RCA Video/Audio Cable	
RCA Component Cable	78-8118-8843-3
S-Video Cable	
Stereo Mini-Cable	78-8118-8846-6
USB cable	
RS-232C Adapter	
Remote Control	78-8118-9115-5

Not Included with Basic Packet	Part Number
Ceiling Mount	78-6969-9607-9
Adjustable Height Suspension	78-6969-9564-2
Shipping Case	78-6969-8925-6
Carrying Case	78-6969-8926-4
Wireless Module	78-6969-9600-4
Mouse Cable (PS/2)	78-8118-8105-7
Mouse Cable (Serial)	78-8118-8107-3
Mouse Cable (ADB)	78-8118-8106-5
Mac Adapter	78-8118-3308-2

How to Order

Please order these parts through your dealer, or contact 3M Customer Service at the following number:

In U.S. or Canada : **1-800-328-1371**

In other locations, contact your local 3M sales office.



Intended Use

Before operating this machine, please read this entire manual thoroughly. The 3MTM Multimedia Projectors are designed, built, and tested for use indoors, using 3M lamps, 3M ceiling mount hardware, and nominal local voltages.

The use of other replacement lamps, outdoor operation, or different voltages has not been tested and could damage the projector peripheral equipment and/or create a potentially unsafe operating condition.

3M Multimedia projectors and Wall Display Systems are designed to operate in a normal office environment.

- 16° to 29°C (60° to 85° F)
- 10- 80 %RH (without condensation)

• 0- 1828 m (0-6000 feet) above sea level

The ambient operating environment should be free of airborne smoke, grease, oil and other contaminates that can affect the operation or performance of the projector.

Use of this product in adverse conditions will void the product warranty.

Let us help you make the most of your next presentation. We offer everything from presentation supplies to tips for better meetings. And we're the only transparency manufacturer that offers a recycling program for your used transparencies. For late-breaking news, handy reference and free product samples, call us toll-free in the continental United States and Canada, 24 hours a day, or visit our Internet Website.



3M Austin Center Building A145-5N-01 6801 River Place Blvd. Austin, TX 78726-9000 **3M Canada** P.O. Box 5757 London, Ontario N6A 4T1 **3M Mexico, S.A. de C.V.** Apartado Postal 14-139 Mexico, D.F. 07000 Mexico **3M Europe** Boulevard de l'Oise 95006 Cerge Pontoise Cedex France

Litho in Japan © 3M 2002 78-6970-9157-3 Rev. A

DN00351 (QR55141_OG_ENG)



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