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PROJECTOR OWNER'S MANUAL

Acco Europe

NOBO S11E

Need a replacement lamp for this projector?

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NOBO

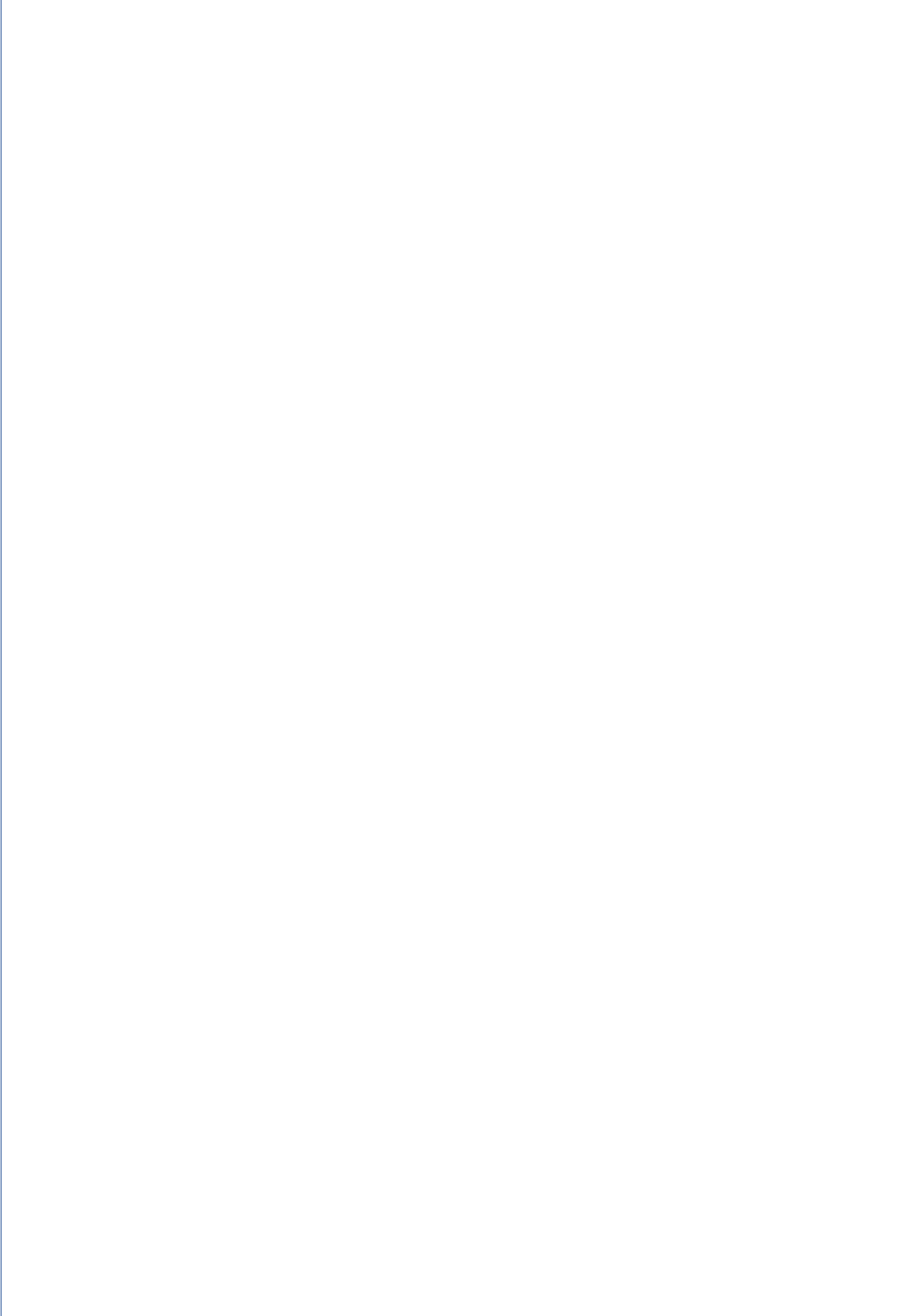
S11E DLP™ Projector

User Manual



ACCO Europe
www.accoeuropa.com

Made in Taiwan



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FCC Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These Limits are designed to provide reasonable protection against harmful interference in a residential installation.

Trademarks

Trademark are the rights of their respective owners.





WARNING Do not look into the lens. The bright light may hurt your eyes.



WARNING To reduce the risk of fire or electric shock, do not expose the product to rain or moisture.



WARNING Please do not open or disassemble the product as this may cause electric shock.



WARNING When changing the lamp, please allow unit to cool down, and follow all changing instructions.



WARNING This product will detect the life of the lamp itself. Please be sure to change the lamp when it shows the warning messages.



WARNING When replacing the lamp for a new unit ensure the "Lamp reset" option is selected in the projectors menu.



WARNING When switching the projector off, please ensure the projector completes its cooling cycle before disconnecting power.



WARNING When connecting the projector to computer, please turn on the projector first.



WARNING When the lamp reaches the end of its life, it will burn out and may make a loud popping sound. If this happens, the projector will not turn back on until the lamp module has been replaced. To replace the lamp, follow the procedures listed under [Changing the lamp](#) on page 26.

PRECAUTIONS

Follow all warnings, precautions and maintenance as recommended in this User's Guide to maximise the life of your unit.

DO

- Turn off the product before cleaning
- Use a soft cloth moistened with mild detergent to clean the display housing
- Disconnect the power plug from AC outlet if the product is not being used for a long period of time

DON'T

- Block the slots and opening on the unit provided for ventilation
- Use abrasive cleaners, waxes or solvents to clean the unit
- Use under the following conditions:
 - Extremely hot, cold or humid conditions
 - In areas susceptible to excessive dust and dirt
 - Near any appliance generating a strong magnetic field
 - Place in direct sunlight

PRODUCT FEATURES

*This product is an SVGA single chip 0.55"DLP™ projector.
The outstanding features of it are listed as follows:*

- True SVGA, 800 x 600 addressable pixels
- 1.8 kgs (4 lbs) compact design
- Single chip DLP™ technology
- Independent white-balance adjustment, for natural picture quality
- Digital zoom features
- PureProgressive™ processing technology for artifact-free film materials
- Full HDTV compatibility (480i/P, 1080i, 720P)
- NTSC/NTSC4.43/PAL/PAL-M/PAL-N/SECAM and HDTV compatible
- Fully functioning remote with optional mouse control
- User-friendly multilingual on screen display menu in nine languages
- Advanced electronic keystone correction and high quality full digital functionality
- User-friendly control panel
- Soft carrying bag included
- When set to the smallest ratio, the projector can support up to SXGA and can fully support VGA and SVGA
- 50 watt user replaceable lamp
- Compatible with Apple Macintosh

PACKAGE OVERVIEW

This projector comes with all the items shown below. Please ensure your unit is complete. Contact your dealer immediately if anything is missing.



Projector with lens cap



Remote Control
with Mouse Function
(optional)



VGA Cord



Power Cord



Batteries x 2



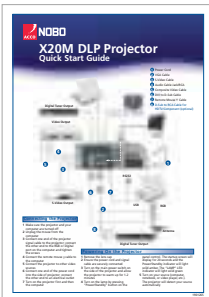
User's Guide



Composite Video Cable



S-video



Quick Start Sheet



Remote Mouse Kit
(optional)



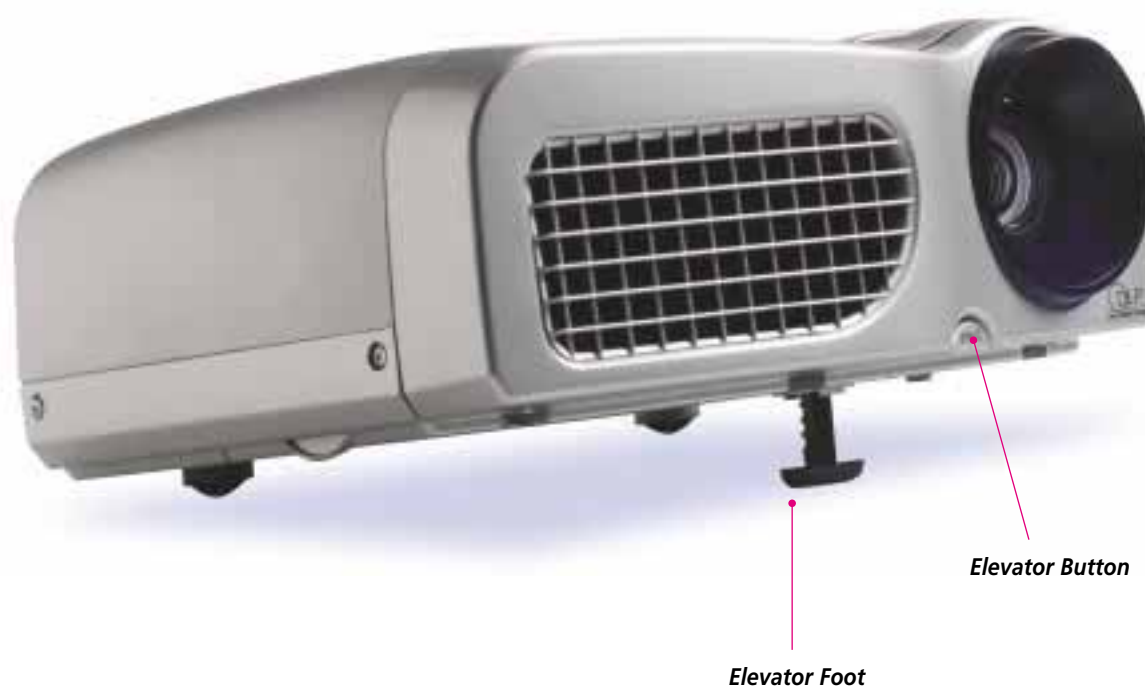
Carry Case



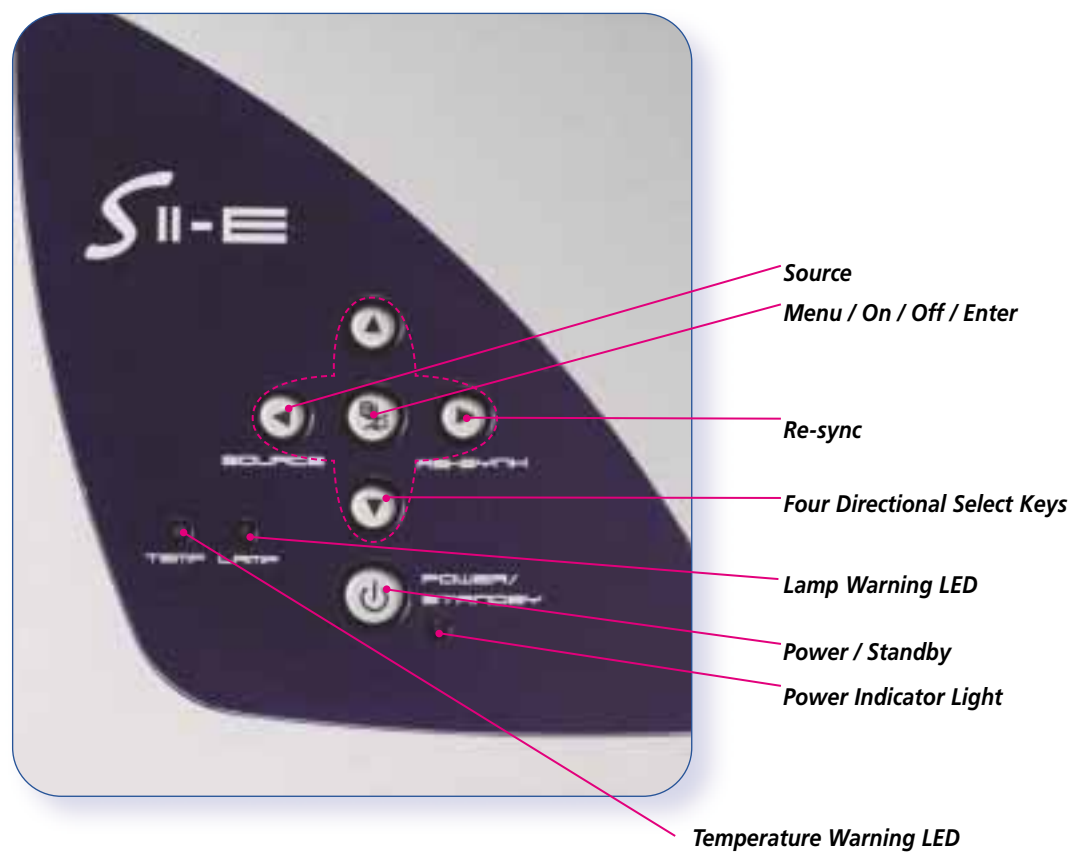
Warranty Card

PRODUCT OVERVIEW

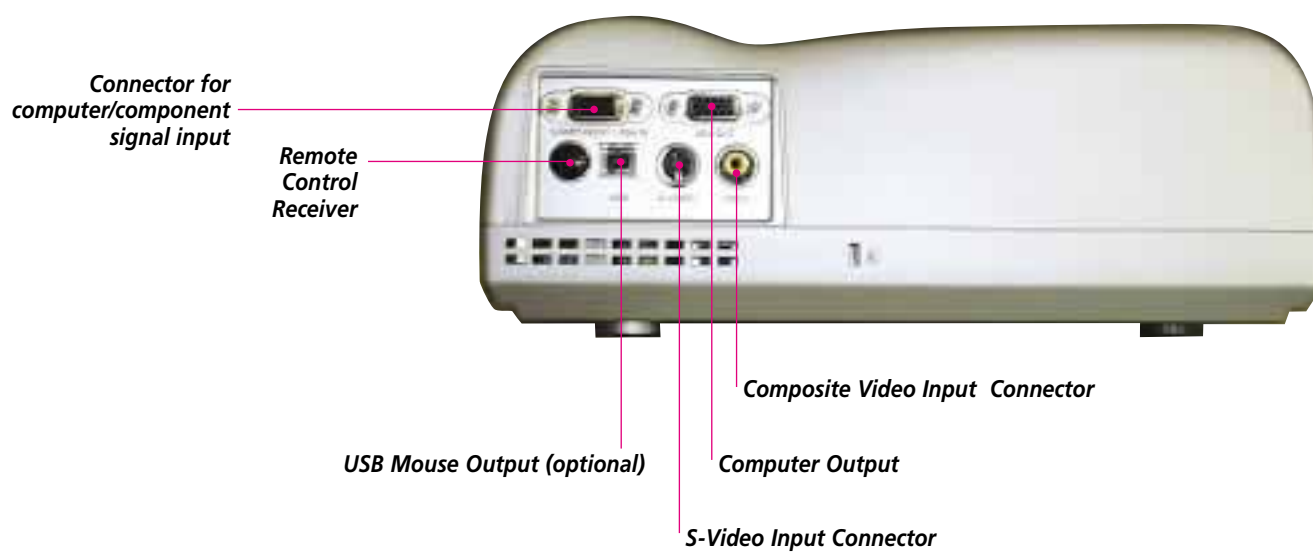
MAIN UNIT



PANEL CONTROL

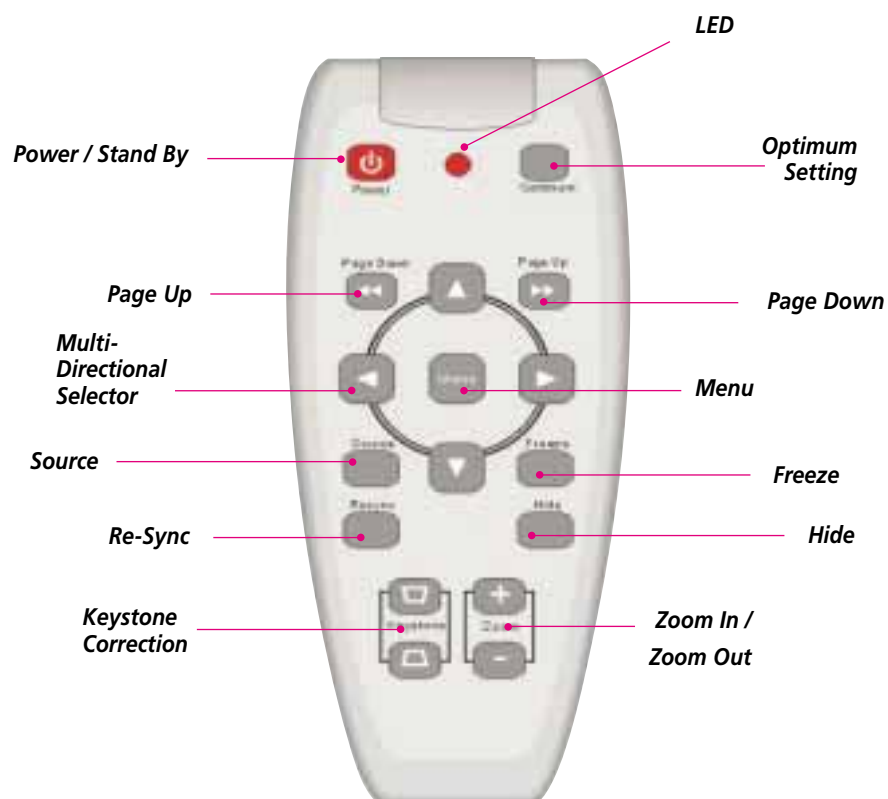


CONNECTION PORTS



REMOTE CONTROL

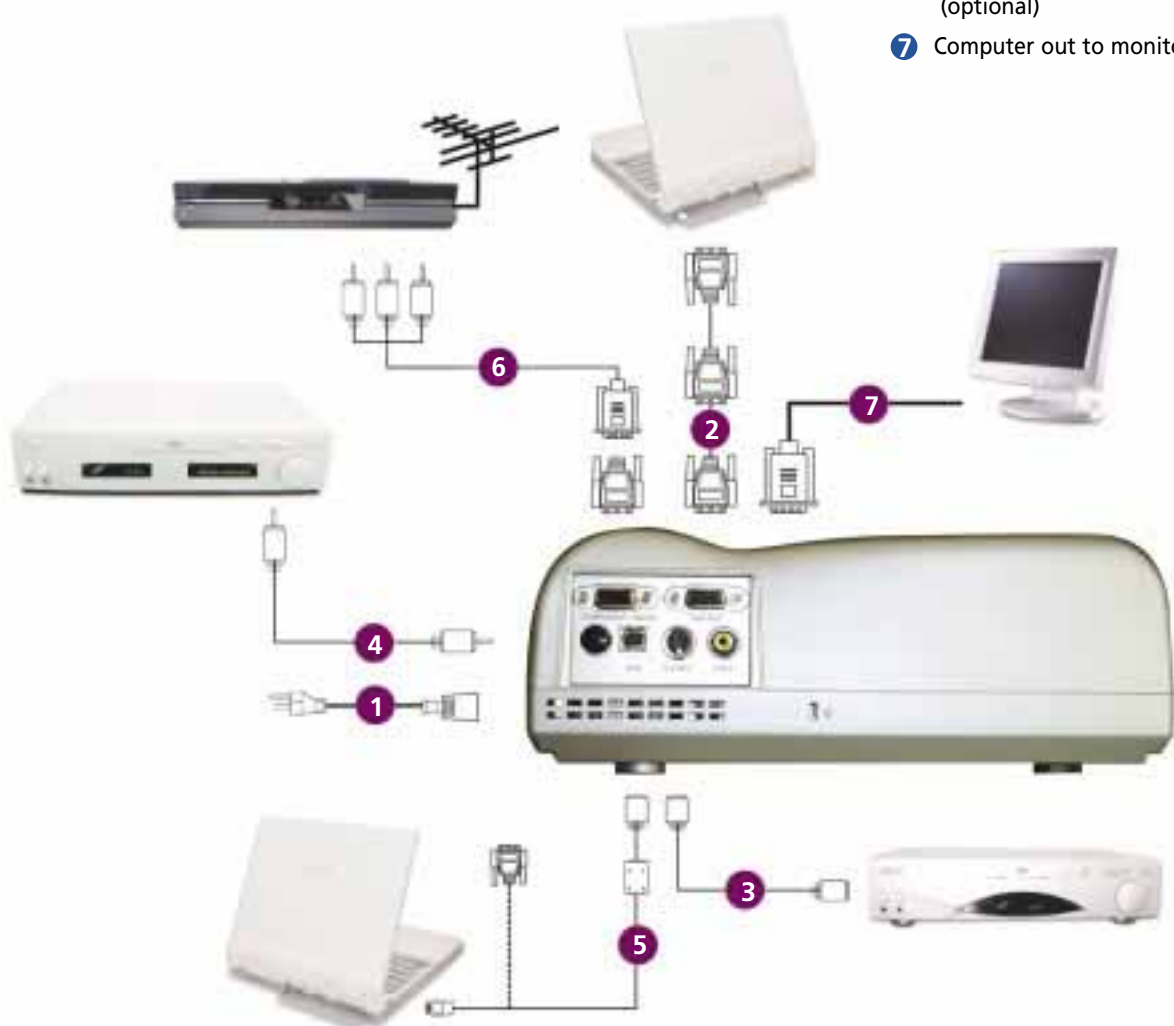
WITH MOUSE FUNCTION



CONNECTING THE PROJECTOR

To ensure the projector works well with your computer, please configure the display mode of your graphics card to make it less than, or equal to, SVGA (800 x 600) resolution. Also ensure the refresh rate of the graphics card is compatible with the projector. Refer to the "Compatibility Modes" section on page 28 for more information.

- ① Power Cord
- ② VGA Cable
- ③ S-Video Cable
- ④ Composite Video Cable (optional)
- ⑤ USB Cable (to connect the USB mouse to a PC ; optional)
- ⑥ Component Video Cable (optional)
- ⑦ Computer out to monitor



POWERING ON THE PROJECTOR

Turn on the projector first and then the computer.

If the screen displays "No Signal", please ensure the signal cables are securely connected.

If you connect multiple sources at the same time, use the "Source" button on the Remote Control or Panel Control to switch.

- 1** Remove the lens cap.
- 2** Ensure that the power cord and signal cables are securely connected.
- 3** Turn on the lamp by pressing "Power/Standby" button on the control panel. The startup screen will be displayed for 20 seconds and the Power/Standby indicator will light solid green.
- 4** Turn on the source (computer, notebook, or video player, etc.) The projector will detect your source automatically.
 - If the projector displays "No Signal," please make sure the signal cables are securely connected.
 - If connecting multiple sources at the same time, use the "Source" button on the Remote Control or projector control panel to select the desired input. Press the "Source" button repeatedly until the desired input is displayed.
 - Turn on the projector first and then the computer



POWERING OFF THE PROJECTOR

- 1 Press the "Power/Standby" button to turn off the projector lamp. The projector will display the message "Power off the lamp?"
- 2 Press the "Power/Standby" button again to confirm. Otherwise the message will disappear after 5 seconds.
- 3 "Power/Standby" indicator will turn green for approximately 90 seconds. When the green light begins flashing, the projector has entered standby mode. If you wish to turn the projector back on, you must wait until the projector has completed the 90 secs cooling cycle and has entered standby mode. Once in standby mode, simply press the "Power/Standby" button to restart the projector
- 4 Disconnect the power cord from the electrical outlet and the projector.
- 5 Do not turn on the projector immediately following a power off procedure.

*If the "TEMP" indicator begins flashing the projector will display "Fan Fail" warning. After a short period the "Power/Standby" indicator will flash green for about 90 seconds and the projector will automatically shut itself down. **If this occurs please contact your local reseller or service center.***



*If the "TEMP" indicator turns red it indicates the projector has overheated. The projector will display "Over Temperature". After a short period the "Power/Standby" indicator will turn green and the projector will automatically shut itself down. **If this occurs please contact your local reseller or service center.***



*If the "LAMP" indicator turns red and the "Power/Standby" indicator turns amber the projector will automatically shut itself down. **If this occurs please contact your local reseller or service center.***

ADJUSTING THE PROJECTOR HEIGHT

The projector is equipped with an elevator foot for adjusting the projector height.

To raise the projector

- 1 Press the Elevator Button.
- 2 Raise the projector to the desired display angle, then release the button to lock the elevator foot into position.
- 3 Use the Height Adjuster Button to fine-tune height adjustment.

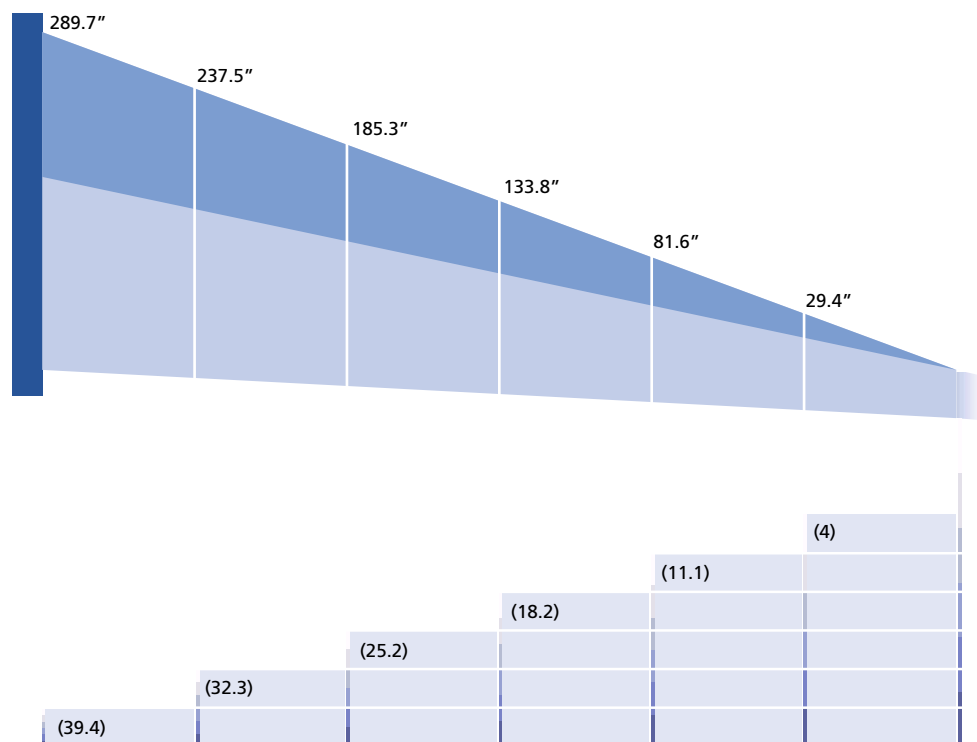
To lower the projector

- 1 Press the Elevator Button.
- 2 Lower the projector, then release the button to lock the elevator foot into position.
- 3 Use the Height Adjuster Button to fine-tune height adjustment.



ADJUSTING THE PROJECTOR FOCUS

To adjust the focus, simply rotate the focus ring until the image is clear. The projector will focus at distances from 4.0 feet to 39.4 feet (1.2m to 12m)

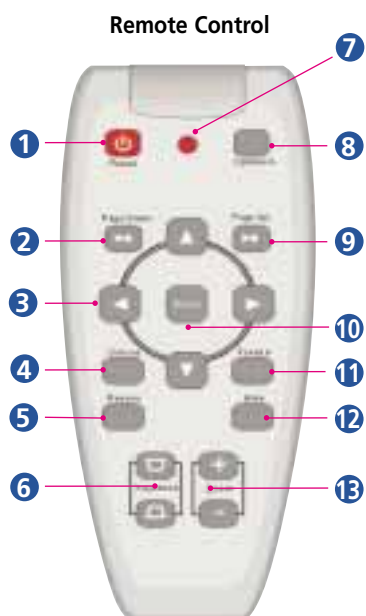


Screen (Diagonal)	29.4"	81.6"	133.8"	185.3"	237.5"	289.7"
Screen Size (WxH)	23.5 x 17.7"	65.3 x 48.9"	107.1 x 80.3"	148.2 x 111.2"	190.0 x 142.5"	231.8 x 173.8"
Distance	4.0'	11.1'	18.2'	25.2'	32.3'	39.4'

This graph is for User's reference only

PANEL CONTROL & REMOTE CONTROL

There are two ways for you to control the functions: Remote Control or Panel Control.



1. Power / Standby
2. Page Up
3. Multi-Directional Selector
4. Source
5. Re-sync
6. Keystone Correction
7. LED
8. Optimum Setting
9. PageDown
10. Menu
11. Freeze
12. Hide
13. Zoom In / Zoom Out

Panel Control



- | | |
|--------------------------|---------------------------------|
| 1. Power Indicator Light | 5. Four Directional Select Keys |
| 2. Power / Standby | 6. Source |
| 3. Re-sync | 7. Temperature Warning LED |
| 4. Menu/On/Off/Enter | 8. Lamp Warning LED |

Power / Standby

■ Refer to the **Power On / Off the Projector** section on page 11.

Optimum Setting

■ Press **Optimum** to select Conference Mode or Cinema Mode.

Source

■ Press **Source** to cycle between VGA, S-Video, Composite, and Component sources

Multi-Directional Selector

- These keys are used to control the direction     operation on the OSD display.

Page Up (Computer Mode only)

- Use this button to page up. This function is only available when the projector is connected to a computer via a USB cable.

Page Down (Computer mode only)

- Use this button to page down. This function is only available when the projector is connected to a computer via a USB cable.

Menu

- Press "Menu" to open the OSD menu and press   key to select menu items. To exit the OSD, press the "Menu" button again. The projector will automatically save any changes made.

Freeze

- Press the "Freeze" button to pause the screen image

Keystone + / -

- Adjusts image distortion caused by tilting the projector. (± 16 degrees)

Zoom In

- Press "Zoom In" to magnify an image by a factor of eight times on the projection screen.

Zoom Out

- Press the "-" zoom button to zoom out of the image. The smallest setting available is 1/2-size

Resync

- When the "Resync" button is pressed, the projector will automatically synchronize with the source signal.

Hide

- *Pressing the "Hide" button, will turn the entire screen black, a useful function for speakers who require a short pause in order to change their presentation materials.*
Use the **Remote Control**

Power/Standby

- Refer to the 'Power On/Off the Projector' section on pages 12.

Source

- Press "Source" to cycle through VGA, S-Video, Composite and Component sources.

Re-Sync

- Automatically synchronizes the projector to the input source.

Four Directional Select Keys

- Use     to select items or make adjustments for your selection.

Enter

- Confirm your selection of items.
- Press "Menu" to open the OSD menu and press   key to select menu items. To exit the OSD, press the "Menu" button again. The projector will automatically save any changes made.

ON-SCREEN DISPLAY MENUS

How to Operate

- The projector has multilingual OSD menus that allow you to make image adjustments and change a variety of settings. With a computer source, the OSD displayed is the "Computer OSD". With a video source, the OSD display is the "Video OSD". The projector will automatically detect the source.

- To open the OSD menu, press the "Menu" button on the remote control or panel control.

- When the OSD is displayed, press   key to select main items.

E.g.: Image-I > Image-II > Language > Management > Image-I...

While making selection on a particular page, press  key to go into sub-menu.

- Press   key to select the required item and adjust the settings by   key. When a specified item is selected, the colour of the item will change from yellowish brown to blue.

E.g.: Brightness > Contrast > Colour Temp. > Zoom > Keystone > White Segment > Brightness...

- When using the   keys to adjust parameters or select required sub menu functions, confirm selections/modifications by pressing the "Enter" button. Pressing the "Enter" button to confirm a selection/modification will revert the OSD back to the main menu. Only the   keys are enabled now.

- To exit the OSD, press the  button again.

Computer Mode



IMAGE-I (COMPUTER MODE)

Brightness

Adjusting the brightness of the image.

- Press the ◀ key to darken the image.
- Press the ▶ key to lighten the image.

Contrast

The contrast controls the degree of difference between the lightest and darkest parts of the picture. Adjusting the contrast changes the amount of black and white in the image.

- Press the ◀ key to decrease the contrast.
- Press the ▶ key to increase the contrast.

Colour Temperature

Adjust the colour temperature. The range is from "0" to "4". The factory default is "2". With the higher temperature, the screen looks colder; with the lower temperature, the screen looks warmer.

Zoom

- Press the ▶ key to magnify an image up to a factor of eight times on the projection screen.
- Press the ◀ key to Diminish the zoom in image. Lowest available setting is 1/2-size.

Keystone (Keystone Correction)

Adjust image distortion caused by tilting projection. (± 16 degrees)

White Segment

Use the white segment control to set the white peaking level of the DMD chip. "0" stands for minimal peaking, and "10" stands for maximum peaking. If you prefer a stronger image, adjust toward the minimum setting. For a smooth and more natural image, adjust toward the minimum setting.

Video Mode

IMAGE-I
(VIDEO MODE)**Brightness**

Adjusting the brightness of the image.

- Press the ◀ key to darken the image.
- Press the ▶ key to lighten the image.

Contrast

The contrast controls the degree of difference between the lightest and darkest parts of the picture. Adjusting the contrast changes the amount of black and white in the image.

- Press the ◀ key to decrease the contrast.
- Press the ▶ key to increase the contrast.

Colour

The colour setting adjusts a video image from black and white to fully saturated colour.

- Press the ◀ key to decrease the amount of colour in an image.
- Press the ▶ key to increase the amount of colour in an image.

Tint

The tint adjusts the colour balance of red and green.

- Press the ◀ key to increase the amount of green in the image.
- Press the ▶ key to increase the amount of red in the image.

Sharpness

Adjusting the sharpness of the image.

- Press the ◀ key to decrease the sharpness.
- Press the ▶ key to increase the sharpness.

White Segment

Use the white segment control to set the white peaking level of DMD chip. "0" stands for minimal peaking, and "10" stands for maximum peaking. If you prefer a stronger image, adjust toward the maximum setting. For a smooth, more natural image, adjust toward the minimum setting.

Computer Mode

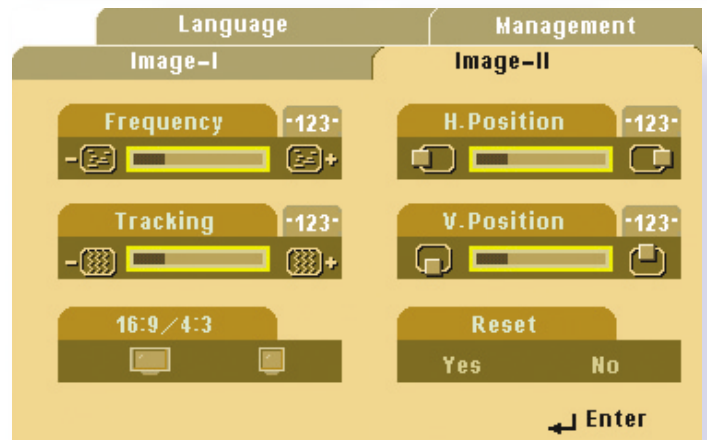


IMAGE-II (COMPUTER MODE)

Frequency

"Frequency" is for changing the display data frequency to match the frequency of your computer's graphic card. When you experience a vertical flickering bar, use this function to make an adjustment.

Tracking

Choose "Tracking" item to synchronise the signal timing of the display with that of the graphic card. When you experience an unstable or flickering image, use this function to correct it.

Aspect Ratio

You can use this function to fit your desired aspect ratio.

Horizontal Position

- Press the ◀ to move the image left.
- Press the ▶ to move the image right.

Vertical Position

- Press the ◀ to move the image up.
- Press the ▶ to move the image down.

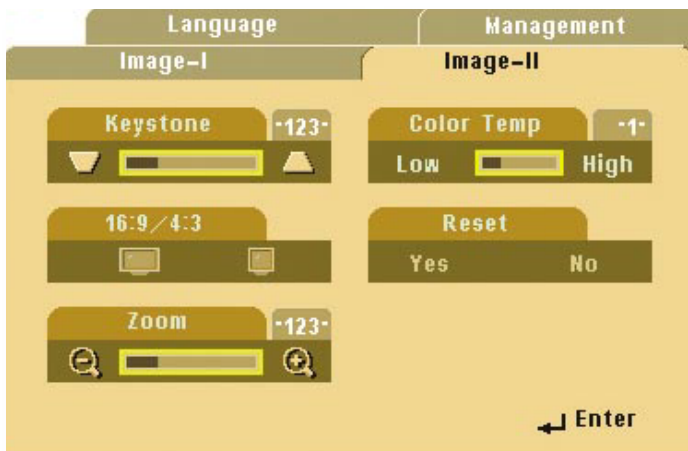
Reset

Choose "Yes" to return the display parameters back to the factory default.

Reset:

Reset select includes both Image-I and Image-II settings

Video Mode

IMAGE-II
(VIDEO MODE)**Keystone Correction**

Adjust image distortion caused by tilting the projector (± 16 degrees).

Aspect Ratio

You can use this function to fit your desired aspect ratio type.

Zoom

You can use this function to adjust the screen to the most appropriate size or to enlarge a particular area. You can also use the  buttons to change the area you want to enlarge.

Colour Temperature

Adjusts the colour temperature. The range is from "0" to "4". The factory default is "2". At a higher temperature, the image is cooler, at a lower temperature, the image is warmer.

Reset:

Reset select includes both Image-I and Image-II settings

Reset

Choose "Yes" to return the display parameters back to the factory default.

Computer / Video Mode

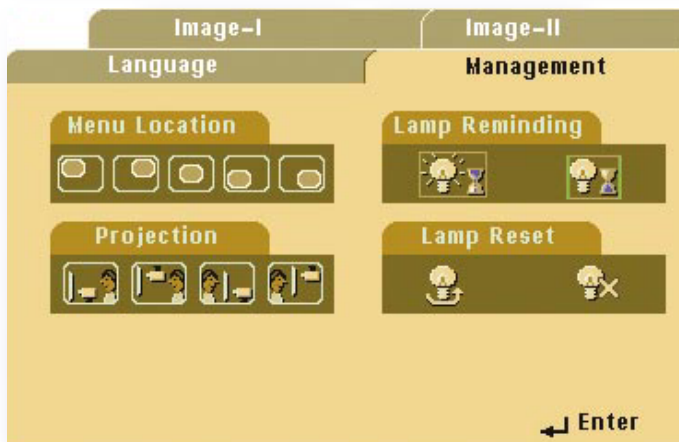
LANGUAGE

You can display the multi-lingual OSD menu.

- Use the  and  keys to select your preferred language.



Computer / Video Mode

**MANAGEMENT****Menu Location**

Choose the Menu location on the display screen.

Projection

-  Front-Desktop : The factory default setting.
-  Rear-Desktop : When you select this function, the projector reverses the image so you can project behind a translucent screen.
-  Front-Ceiling : When you select this function, the projector turns the image upside down for ceiling-mounted projection.
-  Rear-Ceiling : When you select this function, the projector reverses and turns the image upside down at the same time. You can project from behind a translucent screen with ceiling mounted projection.

Lamp Reminder

Choose this function to show or to hide warning message when the changing lamp message is displayed. The message will display up to 30 hours before end of life.

Lamp Reset

Reset the lamp setting only when the new lamp is replaced.

TROUBLESHOOTING

If you experience trouble with the projector, refer to the following. If the problem persists, please contact your local reseller or service center.

PROBLEM No image appears on the screen

- Ensure all the cables and power connections are correctly and securely connected as described in the [Installation Section](#).
- Ensure the pins of connectors are not crooked or broken.
- Check if the projection lamp has been securely installed. Please refer to the [Changing the Lamp Section](#).
- Make sure you have removed the lens cap and the projector is switched on.
- **If you are using a Notebook PC:**
 - For Windows 3.x:
 - 1 First set computer resolution to recommend setting.
 - 2 Switch the Notebook PC display to the “external display only” or “CRT only mode.”
- **If you are using a Notebook PC:**
 - 1 You are required to implement above steps of resolution setting of computer first.
 - 2 Switch the Notebook PC display to the “External display only” or “CRT only” mode.
- If you are experiencing difficulty in changing resolutions or your monitor freezes, restart all the equipment and the projector.

PROBLEM The screen of the Notebook or PowerBook computer is not displaying your presentation

■ **If you are using a Notebook PC:**

Some Notebook PCs may deactivate their own computers' screen when a second display device is in use. Each of them has a different way to be re-activated. Refer to your computer's documentation for detailed information.

■ **If you are using an Apple PowerBook:**

In "Control Panels", open the PowerBook Display to select "Video Mirroring ON".

PROBLEM Image is unstable or flickering

- Use "Tracking" to correct it.
- Change the monitor colour setting from your computer.

PROBLEM Image has vertical flickering bar

- Use "Frequency" to make an adjustment
- Check and reconfigure the display mode of your graphic card to make it compatible with the product.

PROBLEM Image is out of focus

- Adjust the Focus Ring on the projector lens.
- Make sure the projection screen is placed within recommended range of 4.0 to 39.4 inches (1.2 m to 12 meters).

PROBLEM The image is distorted when displaying 16:9 DVD

The projector itself will automatically detect 16:9 DVD and adjust the aspect ratio by digitisation to full screen with 4:3 default setting.

If the image is still distorted, you will also need to adjust the aspect ratio by referring to the following:

- Please select 4:3 aspect ratio type on your DVD player if you are playing a 16:9 DVD.
- If you can select 4:3 aspect ratio type on your DVD player, please select 4:3 OSD function of the projector for your display.

PROBLEM Image is reversed

- Open "Menu" then select "Management" to adjust the projection.

PROBLEM Lamp burns out or makes a popping sound

- When the lamp reaches its end of life, it will burn out and may make a loud popping sound. If this happens, the projector will not turn back on until the lamp module has been replaced. To replace the lamp, follow the procedures in the [Changing the lamp](#),

CHANGING THE LAMP

The projector will detect the lamp life itself. It will show you a warning message **"Lamp may fail soon! Replacement Suggested!"**. When you see this message, change the lamp as soon as possible. Make sure the projector has cooled down for at least 30 minutes before changing the lamp.

■ Lamp Changing Procedure

- 1 Turn off the power to the projector by pressing the "Power / Standby" button.
- 2 Allow the projector to cool down for at least 30 minutes.
- 3 Disconnect the power cord.
- 4 Use screwdriver to remove the screw from the cover.
- 5 Remove the cover.
- 6 Remove the two screws from the lamp module.
- 7 Pull out the lamp module.

To replace the lamp module, reverse these steps.



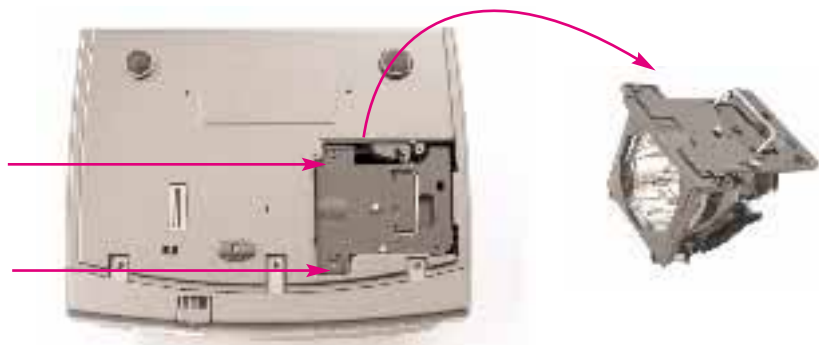
WARNING

Lamp compartment is hot! Allow it to cool down before changing the lamp!!



WARNING

To reduce the risk of personal injury, do not drop the lamp module or touch the lamp bulb. The bulb may shatter and cause injury if dropped.



SPECIFICATIONS

Light Valve	Single Chip DLP™ Technology
Lamp	150W User Replaceable Lamp
Number of Pixels	800 pixels(H) X 600 lines(V)
Displayable Colour	16.7M colours
Projection Lens	F/2.4 f=22.4mm with Electronic Reduction /Enlargement
Projection Screen Size	29.4"~289.7" Diagonal
Projection Distance	4.0~39.4 ft (1.2m~12m)
Video Compatibility	NTSC/NTSC 4.43/PAL/PAL-M/PAL-N/SECAM and HDTV compatible Composite video & S-Video capability
H. Frequency	15kHz~70kHz horizontal scan
V. Frequency	43Hz~85Hz vertical refresh
Power Supply	Universal AC input 100–240V; Input frequency 50–60Hz
Power Consumption	210 watts at normal operation
Noise level	32dBA
I/O Connectors	<i>Power:</i> AC power input socket <i>Computer Input:</i> One VGA computer input for VGA/ HDTV/Component Video Computer Output One VGA computer output <i>Video Input:</i> One Composite video RCA input One S-Video input <i>Remote Output:</i> One USB mouse output
Weight	4 lbs / 1.8 kgs
Dimensions (W x H x D)	With lens: 10.66x8.35x3.43 inches / 271x212x87mm
Environmental	<i>Operating Temperature:</i> 10 °C ~ 40 °C / 50 °F ~ 104° F <i>Humidity:</i> 80% maximum <i>Storage Temperature:</i> -20 °C ~ 60 °C / -4 °F ~ 140° F <i>Humidity:</i> 80% maximum
Safety Regulations	FCC Class B, CE Class B, VCCI-II, UL, cUL, TÜV, CCC, PSE

COMPATIBILITY MODES

MODE	RESOLUTION	V-Sync [Hz]	H-Sync [KHz]
VGA	640x350	70	31.5
VGA	640x350	85	37.9
VGA	640x400	85	37.9
VGA	640x480	60	31.5
VGA	640x480	72	37.9
VGA	640x480	75	37.5
VGA	640x480	85	43.3
VGA	720x400	70	31.5
VGA	720x400	85	37.9
SVGA	800x600	56	35.2
SVGA	800x600	60	37.9
SVGA	800x600	72	48.1
SVGA	800x600	75	46.9
SVGA	800x600	85	53.7
XGA	*1024x768	43.4	35.5
XGA	*1024x768	60	48.4
XGA	*1024x768	70	56.5
XGA	*1024x768	75	60.0
XGA	*1024x768	85	68.7
SXGA	*1280x1024	60	63.98
Mac LC13"	640x480	66.66	34.98
Mac II 13'	640x480	66.68	35
Mac 16"	832x624	74.55	49.725
Mac 19"	*1024x768	75	60.24
Mac G4	640x480	60	31.35
i-Mac DV	*1024x768	75	60

Remark!

"*" compression
computer image

