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**The most trusted, dependable name
in projector lamp sales.**

The following projector manual has not been modified or altered in any way.

Table of Contents

Usage Notice

Precautions

Follow all warnings, precautions and maintenance as recommended in this user's guide to maximize the life of your unit.

⚠️ **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 this 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 warning messages.

⚠️ **Warning-** After changing a new lamp, please reset the lamp life from OSD menu.

⚠️ **Warning-** Before switching off the product, please keep the cooling fan running for a few minutes.

⚠️ **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".

Usage Notice

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 openings 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 environment.
- In areas susceptible to excessive dust and dirt.
- Near any appliance generating a strong magnetic field.
- Place in direct sunlight.

Introduction

Product Features

This product is an XGA single chip 0.7" DLP™ projector. The outstanding features of it are listed as follows:

◆ True XGA, 1024 x 768 addressable pixels

◆ 6.4 lbs (2.9 kgs) compact design

◆ High contrast ratio 1000 : 1

◆ Single chip DLP™ technology

◆ PureProgressive™ processing technology for artifact-free film materials.

◆ HDTV compatible (480P,1080i,720P)

◆ NTSC/NTSC4.43/PAL/PAL-M/PAL-N/SECAM and HDTV compatible

◆ High-tech DVI connection for digital and analog video connectivity

◆ Full function wireless remote controller

◆ Multimedia audio integration

◆ User friendly multilingual on-screen display menu

◆ Advanced electronic keystone correction

◆ User friendly control panel

◆ Luxurious carrying case included

◆ SXGA compression and VGA, SVGA re-sizing

◆ 200 Watts user replaceable UHP lamp

◆ Mac compatible

Introduction

Product Features

This product is a SVGA single chip 0.7" DLP™ projector. The outstanding features of it are listed as follows:

◆ True SVGA, 800 x 600 addressable pixels

◆ 6.4 lbs (2.9 kgs) compact design

◆ High contrast ratio 800 : 1

◆ Single chip DLP™ technology

◆ PureProgressive™ processing technology for artifact-free film materials.

◆ HDTV compatible (480P,1080i,720P)

◆ NTSC/NTSC4.43/PAL/PAL-M/PAL-N/SECAM and HDTV compatible

◆ High-tech DVI connection for digital and analog video connectivity

◆ Full function wireless remote controller

◆ Multimedia audio integration

◆ User friendly multilingual on-screen display menu

◆ Advanced electronic keystone correction

◆ User friendly control panel

◆ Luxurious carrying case included

◆ XGA compression and VGA, SVGA re-sizing

◆ 200 Watts user replaceable UHP lamp

◆ Mac compatible

Introduction

Package Overview

This projector comes with all the items shown below. Check to make sure your unit is complete. Contact your dealer immediately if anything is missing.

Projector with lens cap	Power Cord	Composite Video Cable

❖The model shown is the SVGA.

D-15 to DVI Cable	Carrying Case	Wireless Remote Controller
User's Guide	User's Manual	Battery x 2

Introduction

XGA SVGA

Product Overview

Main Unit

NOTE

❖The model shown is the SVGA.

1. Panel Control
2. Power Connector & Power Switch
3. Connection Ports
4. Focus Ring
5. Zoom Lens
6. Zoom Ring
7. Speaker
8. Remote Control Receiver
9. Elevator Button
10. Elevator Foot

Introduction

Panel Control
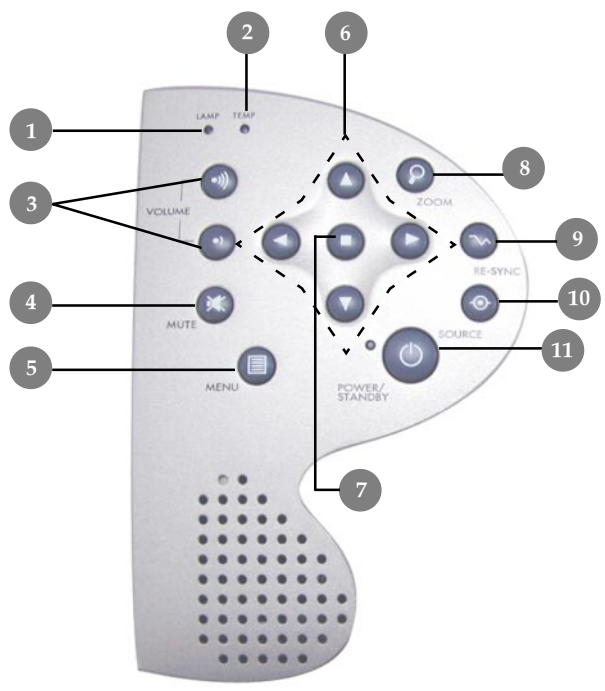
❖The model shown is the SVGA.

1. Lamp Warning LED
2. Temperature Warning LED
3. Volume
4. Mute
5. Menu (On/Off)
6. Four Directional Select Keys
7. Enter
8. Zoom
9. Re-sync
10. Source
11. Power /Standby

Introduction

XGA **SVGA**

Connection Ports
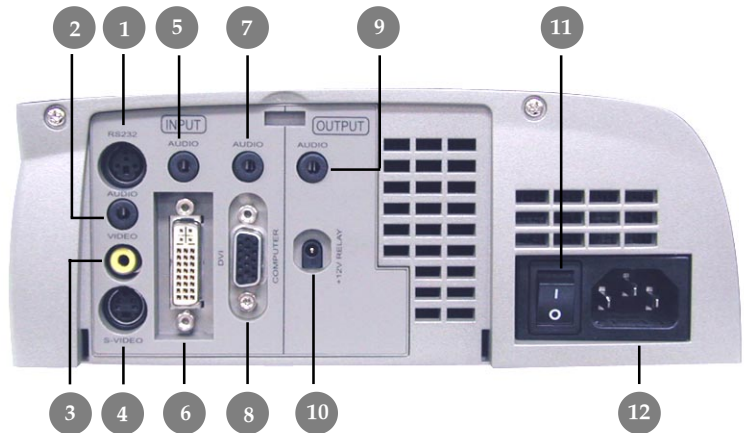
❖The model shown is the SVGA.

1   RS232 Input Connector
2.   Audio Input for Video
3.   Composite Video Input Connector
4.   S-Video Input Connector
5.   Audio Input for DVI
6.   DVI Input Connector
7.   Audio Input for Computer
8.   PC Analog Signal/HDTV/Component Video Connector
9.   Audio Output Connector
10. 12V Relay Connector
11. Power Switch
12. Power Connector

Introduction

Full Function Wireless Remote Controller
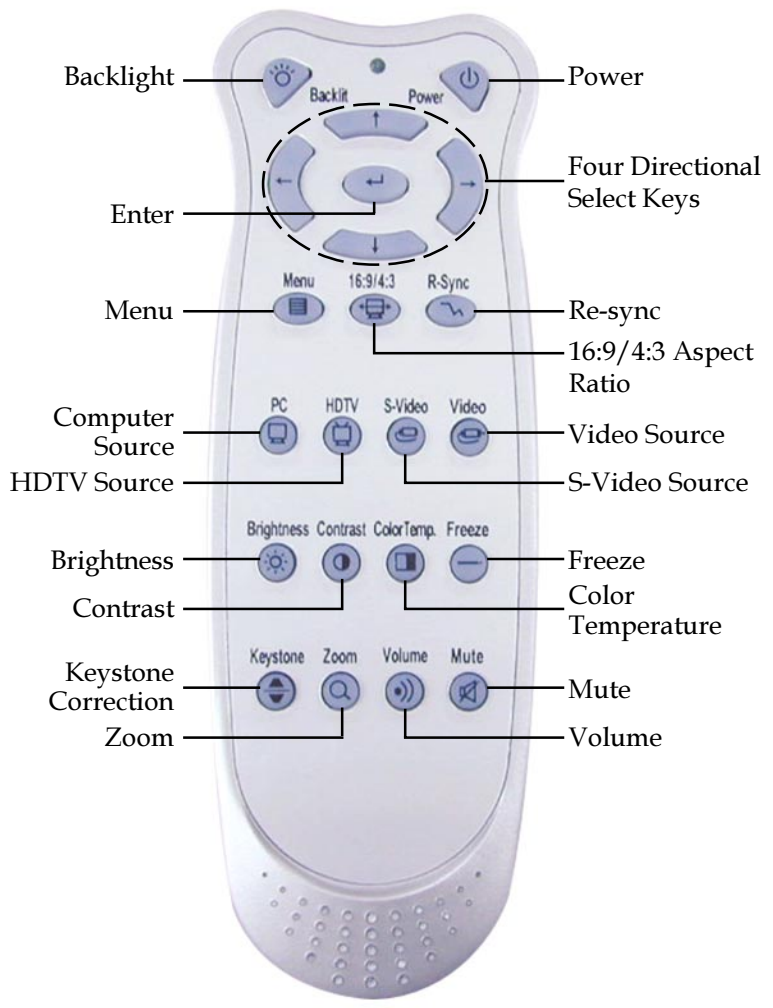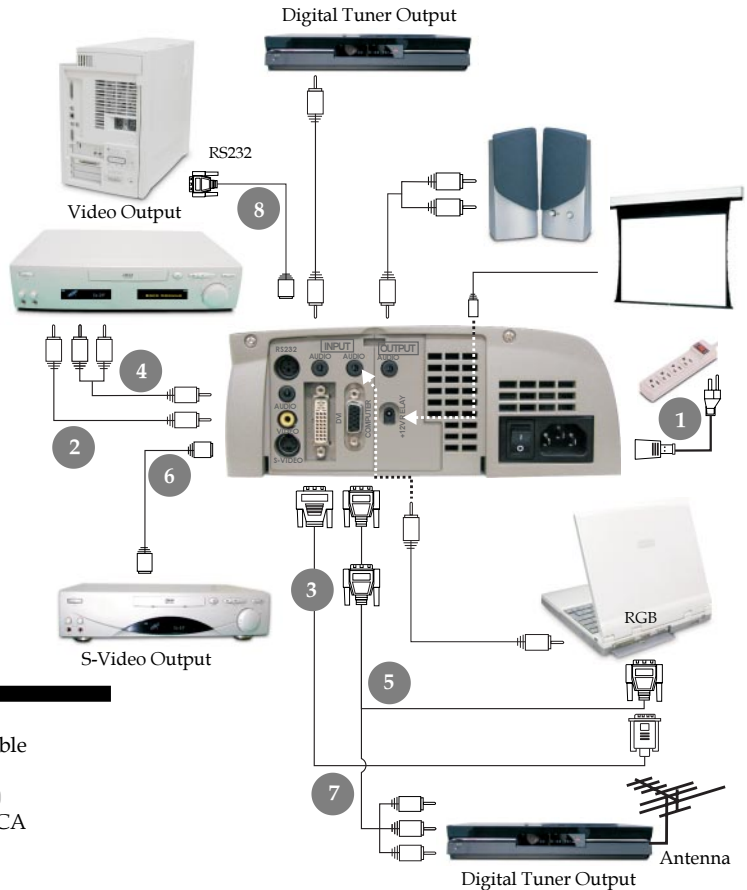
Backlight — Power

Enter — Four Directional Select Keys

Menu — Re-sync

16:9/4:3 Aspect Ratio

Computer Source — Video Source

HDTV Source — S-Video Source

Brightness — Freeze

Contrast — Color Temperature

Keystone Correction — Mute

Zoom — Volume

Installation

Connecting the Projector

Digital Tuner Output

RS232

Video Output

8

S-Video Output

Digital Tuner Output

Antenna

RGB

1. Power Cord
2. Composite Video Cable
3. D-15 to DVI Cable
   Optional Accessory:
4. Audio Cable Jack/RCA
5. VGA Cable
6. S-Video Cable
7. D-15 to RCA Cable for HDTV/ Component
8. RS232 Cable

❖ *To ensure the projector works well with your computer, please configure the display mode of your graphic card to make it less than or equal to 1024 X 768 resolution. Make sure timing of the display mode is compatible with the projector. Refer to the "Compatibility Modes" section on page 35.*

Installation

Connecting the Projector
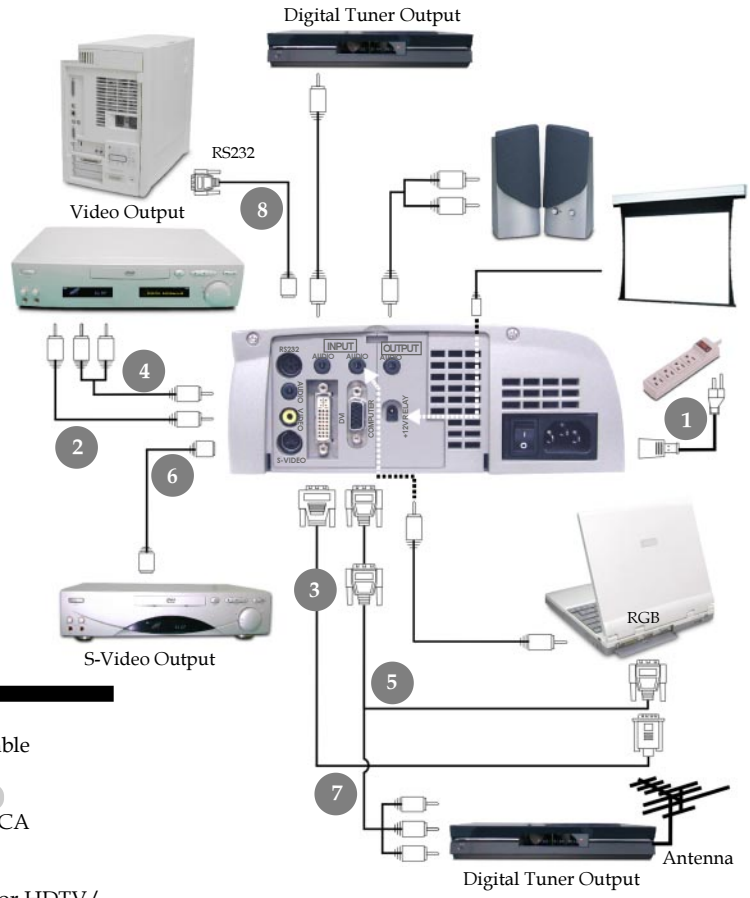
Digital Tuner Output

RS232

Video Output ⑧

④

②

⑥

S-Video Output

③

⑤

⑦

RGB

Antenna

Digital Tuner Output

①

1. Power Cord
2. Composite Video Cable
3. D-15 to DVI Cable
   Optional Accessory:
4. Audio Cable Jack/RCA
5. VGA Cable
6. S-Video Cable
7. D-15 to RCA Cable for HDTV/
   Component
8. RS232 Cable

❖ *To ensure the projector works well with your computer, please configure the display mode of your graphic card to make it less than or equal to 800 X 600 resolution. Make sure timing of the display mode is compatible with the projector. Refer to the "Compatibility Modes" section on page 36.*

XGA **SVGA**

Powering On/Off the Projector

Powering On the Projector

1. Remove the lens cap.❶

2. Ensure that the power cord and signal cable are securely connected.

3. Turn on the main power switch on the side of the projector and allow the projector to warm up for 1-2 minutes. ❷

4. Turn on the lamp by pressing "Power/Standby" button on the control panel. ❸

    The startup screen will display and count down for 20 seconds and thePower/Standby indicator will light solid amber.

    The "LAMP" LED indicator will light solid green.

5. Turn on your source (computer, notebook, or video player , etc...) The projector will detect your source automatically.

❖ *If the screen displays "No Signal" , please make sure 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.*

❖Turn on the projector first and then the computer.

❖The model shown is the SVGA.

Power / Standby

Lens cap

Power Switch

Installation

Powering Off the Projector

1. Press the "Power/Standby" button to turn off the projector lamp.

2. After pressing the "Power/Standby" button, you will see a message "Power off the lamp?" on the on-screen display. Press the "Power/Standby" button again to confirm. Otherwise the message will disappear after 5 seconds.

3. "Power/Standby" LED indicator will light solid amber for about 30 seconds. After the "Power/Standby" indicator starts flashing, you can turn off the main power switch on the side of the projector.

   If you want to turn on the projector, you must press the "Power/Standby"button within 90 seconds of the start of the indicator flashing.

4. Do not turn on the projector immediately following a power off procedure.

❖ *When the "LAMP" indicator flashes green for about 10 seconds, you will see a message "Fan Fail" on the on-screen display. Please contact your local reseller or service center.*

❖ *When the "TEMP" indicator lights solid orange, it indicates the projector has been overheated. You will see a message "Over Temperature" on the on-screen display. The projector will automatically shut itself down.*
Under normal conditions, the projector can be switched on again for your presentation. If the problem persists, you should contact your local reseller or service center.

XGA **SVGA**

Adjusting the Projected Image

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 ❶.

2. Raise the projector to the desired display angle ❷, then release the button to lock the elevator foot into position.

3. Use ❸ to fine-tune tilt-adjustment.

To lower the projector:

1. Press the elevator button.

2. Lower down the projector, then release the button to lock the elevator foot into position.

3. Use ❸ to fine-tune tilt-adjustment.

1 Elevator Button

3

2

Elevator Foot

❖The model shown is the SVGA.

Installation

Adjusting the Projector Zoom / Focus

You may adjust zoom ring to zoom in / out. Rotate the zoom ring counter-clockwise to zoom in and clockwise to zoom out. To focus the image, rotate the focus ring until the image is clear. The projector will focus at distances from 3.7 feet to 40.7 feet (1.1m to 12.4m).

NOTE

❖The model shown is the SVGA.

———— Zoom Ring

———— Focus Ring

Adjusting Projection Image Size

305"
246"
197"
244"
197"
157"
123"
98"
98"
79"
28"
22"

(3.7')
(13.1')
(16.4')
(26.2')
(32.8')
(40.7')
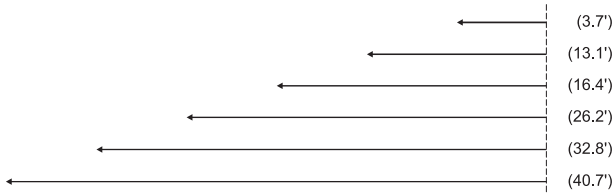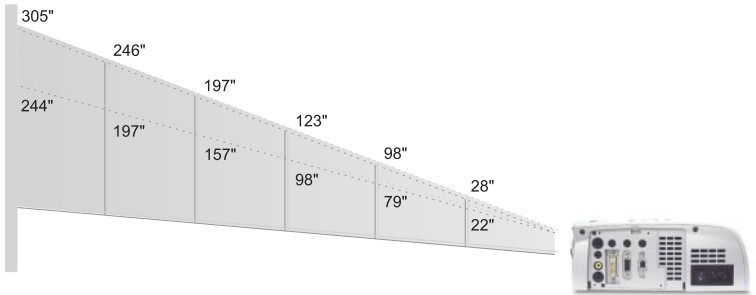
Screen (Diagonal)	Max.	28"	98"	123"	197"	246"	305"
	Min.	22"	79"	98"	157"	197"	244"
Screen Size	Max.(WxH)	22.4" x 16.8"	78.4" x 58.8"	98.4" x 73.8"	157.6" x 118.2"	196.8" x 147.6"	244.0" x 183.0"
	Min.(WxH)	17.6" x 13.2"	62.4" x 46.8"	78.4" x 58.8"	125.6" x 94.2"	157.6" x 118.2"	195.2" x 146.4"
Distance		3.7'	13.1'	16.4'	26.2'	32.8'	40.7'

❖This graph is for user's reference only.

XGA **SVGA**

Panel Control & Remote Control

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

Panel Control   Remote Control

❖The model shown is the SVGA.

Use the Remote Control

Backlit

▸ When you press "Backlit" button, all buttons on remote controller will flash fluorescent yellow. Return to normal mode, press "Backlit" button again.

Power

▸ Refer to the "Power On/Off the Projector" section on page 13~14.

Four Directional Select Keys

▸ Use ▲ ▼ ◀ ▶ to select items or make adjustments for your selection.

Enter

▸ Confirm your selection of items.

User Controls

XGA SVGA

Menu

▶ Press "Menu" to open the on-screen display (OSD) menus and press ◀ ▶ key to select menu items . To exit OSD, press the "Menu" button again. The projector will save any change you made automatically.

16:9 / 4:3

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

Re-Sync

▶ Automatically synchronizes the projector to the input source.

PC

▶ Press "PC" to choose RGB, DVI-Digital, DVI-Analog sources.

HDTV

▶ Press "HDTV" to choose Component and HDTV sources.

S-Video

▶ Press "S-Video" to choose S-Video source.

Video

▶ Press "Video" to choose Composite source.

Brightness

▶ Adjusting the brightness of the image.

Contrast

▶ The contrast controls the degree of difference between the lightest and darkest parts of the picture.

Color Temp.

▶ Adjust the color 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.

Freeze

▶ Press the "Freeze" button to still the screen image.

Keystone

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

Volume

▶ Increases/decreases speaker volume.

XGA **SVGA**

Zoom

▶ When you press "Zoom" button, the zoom icon appears on the screen. Press ⏶ or ⏷ button to zoom in or zoom out of the image.

Mute

▶ Use to mute sound.

Use the Panel Control

Power / Standby

▶ Refer to the "Power On/Off the Projector" section on page 13~14.

Source

▶ Press "Source" to choose RGB, DVI-Digital, DVI-Analog, S-Video, Composite, Component and HDTV sources.

Re-Sync

▶ Automatically synchronizes the projector to the input source.

Zoom

▶ When you press "Zoom" button, the zoom icon appears on the screen. Press ⏶ or ⏷ button to zoom in or zoom out of the image.

Four Directional Select Keys

▶ Use ⏶ ⏷ ◀ ▶ to select items or make adjustments for your selection.

Enter

▶ Confirm your selection of items.

Menu

▶ Press "Menu" to open the on-screen display (OSD) menus and press ◀ ▶ key to select menu items . To exit OSD, press the "Menu" button again. The projector will save any change you made automatically.

Mute

▶ Use to mute sound.

Volume

▶ Increases/decreases speaker volume.

User Controls

XGA SVGA

On-Screen Display Menus

How to operate

▸ The Projector has multilingual On-Screen Display(OSD) menus that allow you to make image adjustments and change a variety of settings. In computer source, the OSD will be the "Computer OSD". In video source, the OSD will be the " Video OSD". The projector will detect the source automatically.

▸ To open the OSD menu, press the "Menu" button on the Remote Control or Panel Control.

▸ When OSD is displayed, press ◀ ▶ key to select main items.

E.g.: Image-I → Image-II → Audio → Language → Management → Image-I...

While making selection on a particular page, press "Enter" key to go into submenu.

▸ Press ▲ ▼ key to select the required item and adjust the settings by ◀ ▶ key. When a specified item is selected, the color of the item will change from yellowish brown to blue.

E.g.: Brightness → Contrast → Color Temp. → White Segment → Zoom → Keystone → Brightness...

▸ While using ◀ ▶ key to adjust the parameter or required function in the items of the submenu, confirm all the functions of the main menu by pushing "Enter" button after all/part of the items have been modified. Press "Enter" button to confirm, and the screen will be back to the main menu at once. Only ◀ ▶ key is enabled now.

▸ To exit the OSD, press the "Menu" button again.

User Controls

XGA SVGA

Computer mode

| Language | Management |
| Image-I | Image-II | Audio |

Brightness 60
White Segment 6
Contrast 100
Zoom 32X
Color Temp. 2
Keystone -100
Low High

Image-I (Computer mode)

Brightness

Adjusting the brightness of the image.

▶ Press the ◀ to darken image.

▶ Press the ▶ 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 ◀ to decrease the contrast.

▶ Press the ▶ to increase the contrast.

Color Temperature

Adjust the color 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.

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 minimum setting. For a smooth and more natural image, adjust toward the minimum setting.

Zoom

▶ Press the ▶ to Magnify an image up to a factor of 32 times on the projection screen.

▶ Press the ◀ to Diminish the zoom in image.

Keystone (Keystone Correction)

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

User Controls

Video mode

| Language | Management |
| Image-I | Image-II | Audio |

Brightness	60	White Segment	6
Contrast	100	Sharpness	60
Color	100	Tint	60

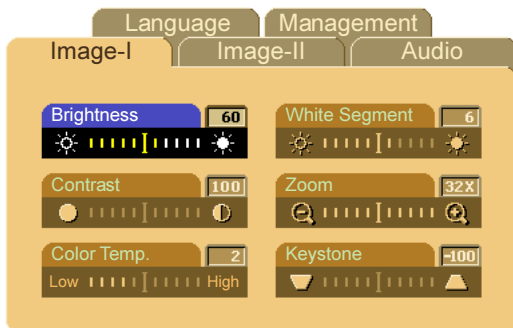## *Image-I (Video mode)*

Brightness

Adjusting the brightness of the image.

▶ Press the ◀ to darken the image.

▶ Press the ▶ 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 ◀ to decrease the contrast.

▶ Press the ▶ to increase the contrast.

Color

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

▶ Press the ◀ to decrease the amount of color in the image.

▶ Press the ▶ to increase the amount of color in the image.

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 and more natural image, adjust toward the minimum setting.

Sharpness

Adjusting the sharpness of the image.

▶ Press the ◀ to decrease the sharpness.

▶ Press the ▶ to increase the sharpness.

User Controls

XGA **SVGA**

Video mode

Language | Management
Image-I | Image-II | Audio

Brightness	60
Contrast	100
Color	100

White Segment	6
Sharpness	60
Tint	60
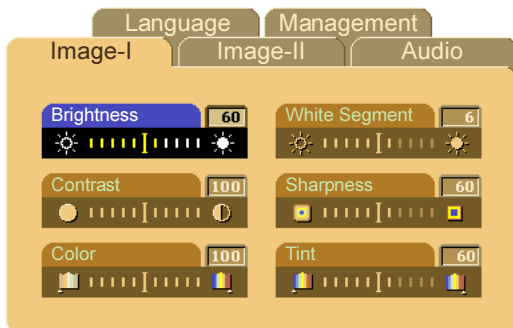
Image-I (Video mode)

Tint

The tint adjusts the color balance of red and green.

▸ Press the ◀ to increase the amount of green in the image.

▸ Press the ▶ to increase the amount of red in the image.

User Controls

Computer mode

| Language | Management |
| Image-I | Image-II | Audio |

Frequency   0
Tracking   80
16:9 / 4:3 / 1:1
16 : 9   4 : 3   Native

Reset
Yes   No
H. Position   80
V. Position   40
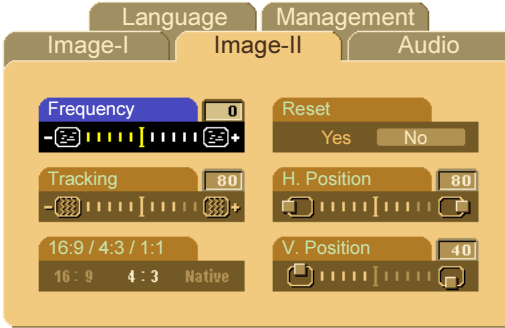
Image-II (Computer mode)

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 synchronize 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.

16 : 9 / 4 : 3 / 1 : 1

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

Reset

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

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 :** Reset items include both Image-I and Image-II settings.

24

User Controls
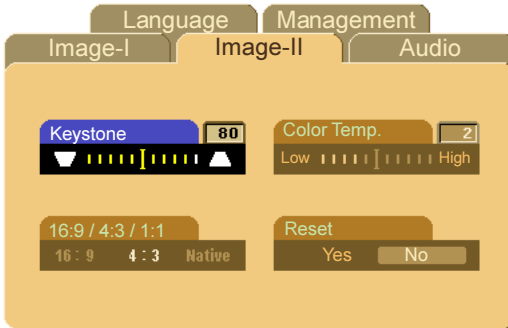
Video mode

Image-II (Video mode)

Keystone Correction

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

16 : 9 / 4 : 3 / 1 : 1

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

Color Temperature

Adjust the color 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.

Reset

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

❖**Reset :** Reset items include both Image-I and Image-II settings.

User Controls

Computer / Video mode
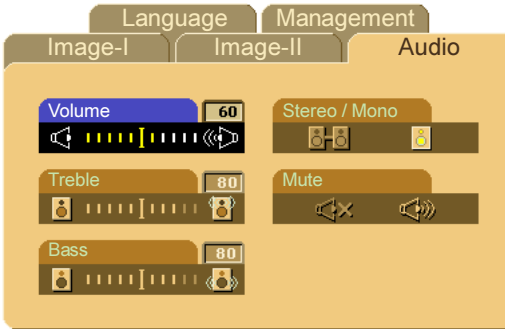
Audio

Volume

▶ Press the ◀ to decrease the volume.

▶ Press the ▶ to increase the volume.

Treble

The treble setting controls the higher frequencies of your audio source.

▶ Press the ◀ to decrease the treble.

▶ Press the ▶ to increase the treble.

Bass

The Bass setting controls the lower frequencies of your audio source.

▶ Press the ◀ to decrease the bass.

▶ Press the ▶ to increase the bass.

Stereo / Mono

▶ Mono ⬛ : Mono sound effect.

▶ Stereo ⬛⬛ : Stereo sound effect.

Mute

▶ Choose the left icon to turn mute on.

▶ Choose the right icon to turn mute off.

User Controls

Computer / Video mode

Image-I   Image-II   Audio
    Language   Management

English	Português
Deutsch	日本語
Français	中文 (繁)
Italiano	中文 (简)
Español	한국어

Language

Language

You can display the multilingual OSD menu . Use the ▲ and ▼ key to select your prefered language.

User Controls

Computer / Video mode
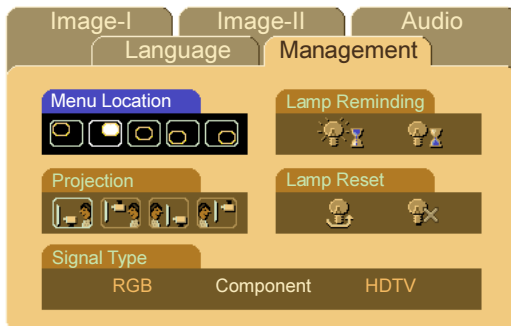
| Image-I | Image-II | Audio |
| Language | Management |

Menu Location

Lamp Reminding

Projection

Lamp Reset

Management

Signal Type
RGB   Component   HDTV

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 same time. You can project from behind a translucent screen with ceiling mounted projection.

Signal Type

Select signal type between RGB, HDTV and Component video sources.

Lamp Reminding

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

Lamp Reset

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

Troubleshooting

If you are experiencing 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 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.

Problem : Partial, scrolling or incorrectly displayed image.

▸ Press the "Re-Sync" button on the Remote Control.

▸ If you use a PC:

If the resolution of your computer is higher than 1024 x 768 for the XGA or 800 x 600 for the SVGA. Follow the steps outlined below to reset the resolution.

For Windows 3.x:

1. In the Windows Program Manager, click the "Windows Setup" icon in the Main group.

2. Verify that your display resolution setting is less than or equal to 1024 x 768 for the XGA / 800 x 600 for the SVGA.

For Windows 95,98,2K,XP:

1. Open "My Computer" icon, the "Control Panel" folder, and then double click the "Display" icon.

2. Select the "Setting" tab.

3. In the "Desktop Area" you will find the resolution setting. Verify that the resolution setting is less than or equal to 1024 x 768 resolution for the XGA / 800 x 600 resolution for the SVGA.

If the projector is still not projecting the whole image, you will also need to change the monitor display you are using. Refer to the following steps.

Appendices

4. Follow above steps 1~2. Click on the "Advanced Properties" button.

5. Select the "Change" button under the "Monitor" tab .

6. Click on "Show all devices". Then select "Standard monitor types" under the "Manufactures" box ; choose the resolution mode you need under the "Models" box.

7. Verify that the resolution setting of the monitor display is less than or equal to 1024 x 768 for the XGA / 800 x 600 for the SVGA.

▶ 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 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 reactivated. 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 color 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.

XGA **SVGA**

Problem : Image is out of focus

▶ Adjust the Focus Ring on the projector lens.

▶ Make sure the projection screen is between the required distance 3.7ft.(1.1m)~ 40.7ft.(12.4m) from the projector.

Problem : The screen is outstretched when displaying 16:9 DVD.

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

If the projector is still outstretched, 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't select 4:3 aspect ratio type on your DVD player, please select 4:3 On Screen-Display(OSD) function of the projector for your display.

Problem : Image is reversed.

▶ To 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".

Appendices

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 been cooled down for at least 30 minutes before changing the lamp.

⚠**Warning :** Lamp compartment is hot! Allow it to cool down before changing lamp!

❖The model shown is the SVGA.

⚠**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 it is dropped.

Lamp Changing Procedure:
1. Turn off the power to the projector by pressing the Power/Standby button.
2. Allow the projector to cool down at least 30 minutes.
3. Turn off the main power switch.
4. Disconnect the power cord.
5. Use screwdriver to remove the screw from the cover.❶
6. Remove the cover.❷
7. Remove the 3 screws from the lamp module.❸
8. Pull out the lamp module.❹

To replace the lamp module, reverse the previous steps.

Appendices

Specifications

Light Valve	-	Single Chip DLP™ Technology
Contrast Ratio	-	1000:1 (Full On / Full Off)
Lamp	-	200W User Replaceable UHP Lamp
Number of Pixels	-	1024 pixels(H) X 768 lines(V)
Displayable Color	-	16.7M colors
Projection Lens	-	F/2.44~2.69 f=28.8~34.5mm with 1.2 x zoom & focus
Projection Screen Size	-	22"~305" Diagonal
Projection Distance	-	3.7~40.7 ft (1.1m~12.4m)
TV Line	-	760 TV lines
Video Compatibility	-	NTSC/NTSC 4.43/PAL/PAL-M/PAL-N/SECAM and HDTV compatible
	-	Composite video & S-Video capability
H. Frequency	-	15kHz~100kHz horizontal scan
V. Frequency	-	43Hz~120Hz vertical refresh
Multimedia Audio	-	Two internal speakers with 3 watts output
Power Supply	-	Universal AC input 100~240V ; Input Frequency 50-60Hz
Power Consumption	-	320 watts at normal operation
Uniformity	-	90 %
I/O Connectors	-	Power: AC power input socket
	-	Computer Input:
		One 30-pin DVI for Digital signal
		One 15-pin D-sub for analog/component and HDTV signal
		One RS232 input
	-	Video Input:
		One Composite video RCA input
		One S-Video input
	-	Audio Input: One phone jack for audio input
	-	Audio Output: One phone jack for audio output
	-	One 12V Relay
Weight	-	6.4 lbs / 2.9 kgs
Dimensions (W x H x D)	-	10.9 x 3.3 x 8.9 inches / 277 x 85 x 225 mm
Environmental	-	Operating Temperature: 0°C~ 40°C/32°F~104°F Humidity: 80% maximum
	-	Storage Temperature: -10°C~60°C/14°F~140°F
		Humidity: 80% maximum
Safety Regulation	-	FCC Class B,CE Class B,VCCI-II,UL,cUL,TÜV, CCC,PSE

Appendices

SVGA

Specifications

Light Valve	-	Single Chip DLP™ Technology
Contrast Ratio	-	800:1 (Full On / Full Off)
Lamp	-	200W User Replaceable UHP Lamp
Number of Pixels	-	800 pixels(H) X 600 lines(V)
Displayable Color	-	16.7M colors
Projection Lens	-	F/2.44~2.69 f=28.8~34.5mm with 1.2 x zoom & focus
Projection Screen Size	-	22"~305" Diagonal
Projection Distance	-	3.7~40.7 ft (1.1m~12.4m)
TV Line	-	760 TV lines
Video Compatibility	-	NTSC/NTSC 4.43/PAL/PAL-M/PAL-N/SECAM and HDTV compatible
	-	Composite video & S-Video capability
H. Frequency	-	15kHz~100kHz horizontal scan
V. Frequency	-	43Hz~120Hz vertical refresh
Multimedia Audio	-	Two internal speakers with 3 watts output
Power Supply	-	Universal AC input 100~240V ; Input Frequency 50-60Hz
Power Consumption	-	320 watts at normal operation
Uniformity	-	85 %
I/O Connectors	-	Power: AC power input socket
	-	Computer Input: One 30-pin DVI for Digital signal One 15-pin D-sub for analog/component and HDTV signal One RS232 input
	-	Video Input: One Composite video RCA input One S-Video input
	-	Audio Input: One phone jack for audio input
	-	Audio Output: One phone jack for audio output
	-	One 12V Relay
Weight	-	6.4 lbs / 2.9 kgs
Dimensions (W x H x D)	-	10.9 x 3.3 x 8.9 inches / 277 x 85 x 225 mm
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	-	Storage Temperature: -10°C~60°C/14°F~140°F Humidity: 80% maximum
Safety Regulation	-	FCC Class B,CE Class B,VCCI-II,UL,cUL,TÜV, CCC,PSE

Compatibility Modes

Mode	Resolution	(ANALOG)	
		V.Frequency (Hz)	H.Frequency (kHz)
VESA VGA	640 X 350	85	37.9
VESA VGA	640 X 400	85	37.9
VESA VGA	640 X 480	60	31.5
VESA VGA	640 X 480	72	37.9
VESA VGA	640 X 480	75	37.5
VESA VGA	640 X 480	85	43.3
VESA VGA	720 X 400	85	37.9
SVGA	800 X 600	56	35.2
SVGA	800 X 600	60	37.9
SVGA	800 X 600	72	48.1
SVGA	800 X 600	75	46.9
SVGA	800 X 600	85	53.7
VESA XGA	1024 X 768	43	35.5
VESA XGA	1024 X 768	60	48.4
VESA XGA	1024 X 768	70	56.5
VESA XGA	1024 X 768	75	60.0
VESA XGA	1024 X 768	85	68.7
* VESA SXGA	1280 X 1024	60	63.98
* VESA SXGA	1280 X 1024	75	79.98
MAC LC13"	640 X 480	66.66	34.98
MAC II 13"	640 X 480	66.68	35
MAC 16"	832 X 624	74.55	49.725
MAC 19"	1024 X 768	75	60.24
* MAC	1152 X 870	75.06	68.68
MAC G4	640 X 480	60	31.35
MAC G4	640 X 480	120	68.03
MAC G4	1024 X 768	120	97.09
I MAC DV	640 X 480	117	60
I MAC DV	800 X 600	95	60
I MAC DV	1024 X 768	75	60
* IMAC DV	1152 X 870	75	68.94
* IMAC DV	1280 X 1024	75	75

Remark : "*" compression computer image.

Appendices

SVGA

Compatibility Modes

Mode	Resolution	(ANALOG)	
		V.Frequency (Hz)	**H.Frequency (kHz)**
VESA VGA	640 X 350	85	37.9
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