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

SHARP®

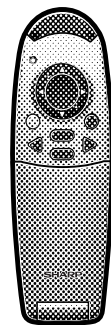
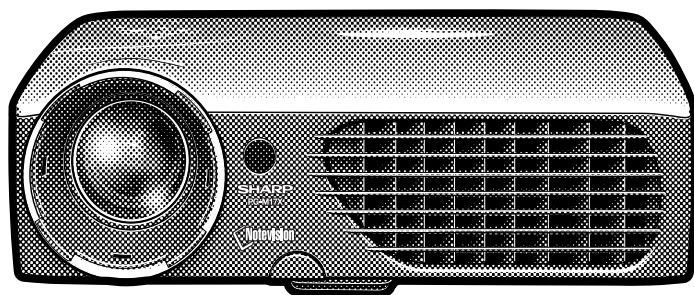
OPERATION MANUAL

MODEL

PG-M17X

DIGITAL MULTIMEDIA PROJECTOR

Notevision




A TEXAS INSTRUMENTS TECHNOLOGY

This equipment complies with the requirements of Directives 89/336/EEC and 73/23/EEC as amended by 93/68/EEC.

Dieses Gerät entspricht den Anforderungen der EG-Richtlinien 89/336/EWG und 73/23/EWG mit Änderung 93/68/EWG.

Ce matériel répond aux exigences contenues dans les directives 89/336/CEE et 73/23/CEE modifiées par la directive 93/68/CEE.

Dit apparaat voldoet aan de eisen van de richtlijnen 89/336/EEG en 73/23/EEG, gewijzigd door 93/68/EEG.

Dette udstyr overholder kravene i direktiv nr. 89/336/EEC og 73/23/EEC med tillæg nr. 93/68/EEC.

Quest' apparecchio è conforme ai requisiti delle direttive 89/336/EEC e 73/23/EEC, come emendata dalla direttiva 93/68/EEC.

Η εγκατάσταση αυτή ανταποκρίνεται στις απαιτήσεις των οδηγιών της Ευρωπαϊκής Ένωσης 89/336/ΕΟΚ και 73/23/ΕΟΚ, όπως οι κανονισμοί αυτοί συμπληρώθηκαν από την οδηγία 93/68/ΕΟΚ.

Este equipamento obedece às exigências das directivas 89/336/CEE e 73/23/CEE, na sua versão corrigida pela directiva 93/68/CEE.



Este aparato satisface las exigencias de las Directivas 89/336/CEE y 73/23/CEE, modificadas por medio de la 93/68/CEE.

Denna utrustning uppfyller kraven enligt riktlinjerna 89/336/EEC och 73/23/EEC så som kompletteras av 93/68/EEC.

Dette produktet oppfyller betingelsene i direktivene 89/336/EEC og 73/23/EEC i endringen 93/68/EEC.

Tämä laite täyttää direktiivien 89/336/EEC ja 73/23/EEC vaatimukset, joita on muutettu direktiivillä 93/68/EEC.

SPECIAL NOTE FOR USERS IN THE U.K.

The mains lead of this product is fitted with a non-rewireable (moulded) plug incorporating a 3A fuse. Should the fuse need to be replaced, a BSI or ASTA approved BS 1362 fuse marked  or  and of the same rating as above, which is also indicated on the pin face of the plug, must be used.

Always refit the fuse cover after replacing the fuse. Never use the plug without the fuse cover fitted.

In the unlikely event of the socket outlet in your home not being compatible with the plug supplied, cut off the mains plug and fit an appropriate type.

DANGER:

The fuse from the cut-off plug should be removed and the cut-off plug destroyed immediately and disposed of in a safe manner.

Under no circumstances should the cut-off plug be inserted elsewhere into a 3A socket outlet, as a serious electric shock may occur.

To fit an appropriate plug to the mains lead, follow the instructions below:

IMPORTANT:


The wires in this mains lead are coloured in accordance with the following code:

Green-and-yellow: Earth

Blue: Neutral

Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol  or coloured green or green-and-yellow.
- The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
- The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IF YOU HAVE ANY DOUBT, CONSULT A QUALIFIED ELECTRICIAN.

PRODUCT DISPOSAL

This projector utilizes tin-lead solder, and a pressurized lamp containing a small amount of mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or, if you are located in the United States of America, the Electronic Industries Alliance: www.eiae.org.

WARNING:

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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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-** This product will detect the life of the lamp itself. Please be sure to change the lamp when it shows warning messages.
-  **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-** To reduce the risk of injury to the eyes, do not look directly into the laser light on the remote control and do not point the laser light into anyone's eyes. This remote control is equipped with a Class II laser that emits radiation.
-  **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, please contact Sharp Authorized Projector Dealer or Service Center.
-  **Warning-** Do not connect any cable longer than 3 meter.

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.
 - Allow at least 20cm of space between the exhaust vent and the nearest wall or obstruction.

Usage Notice

Important Safeguards

Be sure to read the following safeguards when setting up your projector.

Caution concerning the setup of the projector.

- For minimal servicing and to maintain high image quality, SHARP recommends that this projector be installed in an area free from humidity, dust and cigarette smoke. When the projector is subjected to these environments, the lens must be cleaned more often. As long as the projector is regularly cleaned, use in these environments will not reduce the overall operation life of the unit. Internal cleaning should only be performed by a Sharp Authorized Projector Dealer or Service Center.

Do not set up the projector in places exposed to direct sunlight or bright light.

- Position the screen so that it is not in direct sunlight or room light. Light falling directly on the screen washes out the colors, making viewing difficult. Close the curtains and dim the lights when setting up the screen in a sunny or bright room.

The projector may be safely tilted to a maximum angle of ± 12 degrees.

- Placement should be within ± 12 degrees of horizontal.



Do not subject the projector to hard impact and/or vibration.

- Take care with the lens so as not to hit or damage the surface of the lens.

Rest your eyes occasionally.

- Continuously watching the screen for long hours will cause eye strain. Be sure to occasionally rest your eyes.

Avoid locations with extremes of temperature.

- The operating temperature of the projector is from 41 F~95 F (+5°C~+35°C).
- The storage temperature of the projector is from -4 F~140 F (-20°C~+60°C).

Do not block the exhaust and intake vents.

- Allow at least 7 7/8 inches (20cm) of space between the exhaust vent and the nearest wall or obstruction.
- Be sure that the intake vent and the exhaust vent are not obstructed.
- If the cooling fan becomes obstructed, a protection circuit will automatically turn off the projector. This does not indicate a malfunction. Remove the projector power cord from the wall outlet and wait at least 10 minutes. Place the projector where the intake and exhaust vents are not blocked, plug the power cord back in and turn on the projector. This will return the projector to the normal operating condition.

Caution regarding transportation of the projector.

- When transporting the projector, be sure not to subject it to hard impact and/or vibration, as this can result in damage. Take extra care with the lens. Before moving the projector, be sure to unplug the power cord from the wall outlet, and disconnect any other cables connected to it.

Other connected equipment

- When connecting a computer or other audio-visual equipment to the projector, make the connections AFTER turning off the projector and the equipment to be connected.
- Please read the operation manuals of the projector and the equipment to be connected for instructions on how to make the connections.

Using the projector in other countries

- The power supply voltage and the shape of the plug may vary depending on the region or country you are using the projector in. When using the projector overseas, be sure to use an appropriate power cord for the country you are in.

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
- ◆ 3.97 lbs (1.8 kgs) compact design
- ◆ Single chip DLP™ technology
- ◆ PureProgressive™ processing technology for artifact-free film materials.
- ◆ HDTV compatible (480i, 480P, 580i, 580P, 720P/1080i/60Hz)
- ◆ NTSC/NTSC4.43/PAL/PAL-M/PAL-N/SECAM and HDTV compatible
- ◆ High-tech DVI connection for digital and analog video connectivity
- ◆ Full function remote with mouse control and laser pointer
- ◆ Multimedia audio integration
- ◆ User friendly multilingual on-screen display menu
- ◆ Advanced electronic keystone correction and high quality full screen re-scaling image
- ◆ User friendly control panel
- ◆ Luxurious carrying case included
- ◆ SXGA compression and VGA, SVGA re-sizing
- ◆ 150 Watts P-VIP 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



M1-A to VGA and USB cable (1.8m, with one core)



Power Cord (1.8m)



S-Video Cable (1.8m)



Audio Cable (1.8m, with two cores)



Composite Video Cable (1.8m)



⚠ Attention : Do not connect any cable longer than 3 meter.



User's Guide



Battery x 2



Remote Control



Operation Manual



Carrying Case



Quick Start Card

Introduction

Product Overview

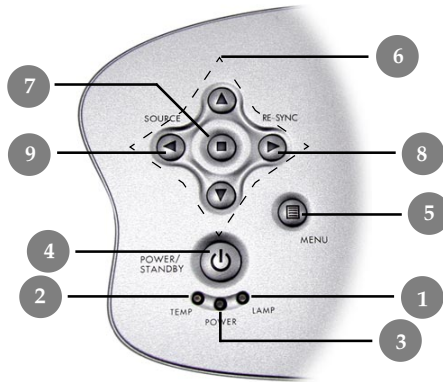
Main Unit



1. Panel Control
2. Power Connector
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



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

Connection Ports



1. Kensington™ Lock Hole
2. Monitor Loop-Through Connector
3. RS232 Input Connector (RS232 is for after service purpose only)
4. Composite Video Input Connector
5. Audio Input
6. S-Video Input Connector
7. VESA M1-DA Analog RGB/Digital/HDTV/Component Video/USB Mouse Input Connector

Introduction

Remote Control with Mouse Function & Laser Pointer



Caution: Use of controls or adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.



❖ Close the cover of the remote control when you want to use the remote mouse.

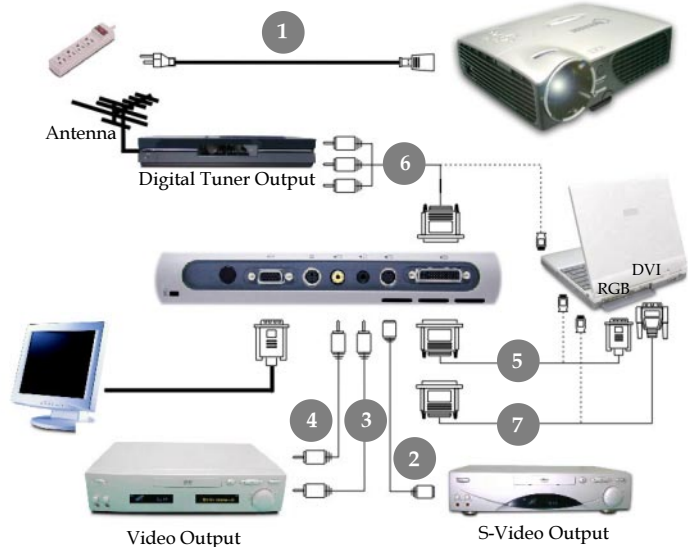


Caution: To reduce the risk of injury to the eyes, do not look directly into the laser light on the remote control and do not point the laser light into anyone's eyes. This remote control is equipped with a Class II laser that emits radiation.



Installation

Connecting the Projector



1. Power Cord
2. S-Video Cable
3. Audio Cable
4. Composite Video Cable
5. M1-A to VGA and USB Cable
6. M1-A to HDTV and USB Cable (optional)
7. M1-D to DVI-D and USB Cable (optional)

❖ *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 32.*

Installation

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 lamp by pressing “Power/Standby” button on the control panel. ❷

The startup screen will be displayed for 20 seconds and the Power/Standby indicator will light solid green.

4. Turn on your source (computer, notebook, 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.



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” indicator flashes red for about 2 minutes. The projector will automatically shut itself down.
4. Disconnect the power cord from the electrical outlet and the projector.

- ❖ *When the “TEMP” indicator flashes red for about 10 seconds, you will see a message “Fan Fail” on the on-screen display. After 5 seconds, the “Power/Standby” indicator flashes green for about 2 minutes and the projector will automatically shut itself down. Please contact your local reseller or service center.*
- ❖ *When the “TEMP” indicator lights solid red for about 10 seconds, it indicates the projector has been overheated. You will see a message “Over Temperature” on the on-screen display. After 5 seconds, the “Power/Standby” indicator flashes green for about 2 minutes and the projector will automatically shut itself down. Please contact your local reseller or service center.*
- ❖ *When the “LAMP” indicator lights solid orange and “Power/Standby” indicator flashes green for about 2 minutes. The projector will automatically shut itself down. Please contact your local reseller or service center.*
- ❖ *When Power Cord is inserted, if inside temperature is high, “TEMP” indicator flashes red until inside becomes cool. At that time, “Power/Standby” button is not functional. Please press the “Power/Standby” button after confirming “TEMP” indicator is off.*

Installation

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 **1**.
2. Raise the projector to the desired display angle **2**, then release the button to lock the elevator foot into position.
3. Use **3** 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 **3** to fine-tune tilt-adjustment.



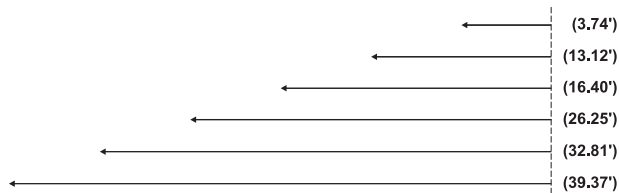
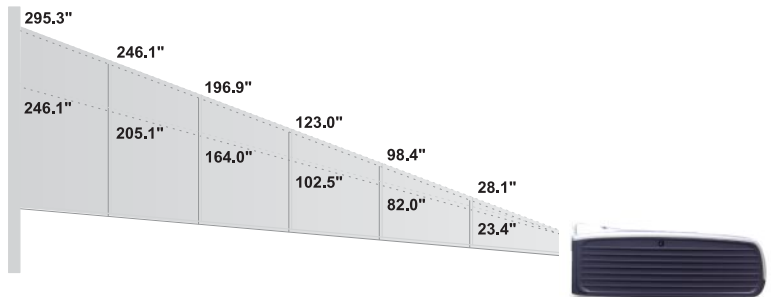
Installation

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 3.74 feet to 39.37 feet (1.14m to 12m)



Adjusting Projection Image Size



Screen (Diagonal)	Max.	28.1"	98.4"	123.0"	196.9"	246.1"	295.3"
	Min.	23.4"	82.0"	102.5"	164.0"	205.1"	246.1"
Screen Size	Max.(WxH)	22.48" x 16.86"	78.72" x 59.04"	98.40" x 73.80"	157.52" x 118.14"	196.88" x 147.66"	236.24" x 177.18"
	Min.(WxH)	18.72" x 14.04"	65.60" x 49.20"	82.00" x 61.50"	131.20" x 98.40"	164.08" x 123.06"	196.88" x 147.66"
Distance		3.74'	13.12'	16.40'	26.25'	32.81'	39.37'

❖ This graph is for user's reference only.

User Controls

Panel Control & Remote Control

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

Panel Control



Remote Control



Use the Remote Control

Power / Standby

- ▶ Refer to the “Power On/Off the Projector” section on page 11~12.

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, when you press this button while the remote control cover is opened.
- ▶ If the remote control cover is closed, the Mouse/Re-Sync button functions like the right mouse button.





User Controls



❖ **Page Up / Page Down :**
Under remote mouse
connected status only.



Multi-Directional Selector

- ▶ When you close the cover of remote control, this key can be used as a mouse to control direction.
 - ❖ **The above function is only enabled with the connection between computer and projector by USB cable.**
- ▶ When the cover of remote control is opened, this key can be used for the     operation for OSD display.

Page Up (Computer mode only)

- ▶ Use this button to page up.



Page Down (Computer mode only)

- ▶ Use this button to page down.

Laser

- ▶ Aim the remote at the viewing screen, press and hold this button to activate the laser pointer.

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.

Freeze

- ▶ Press the “Freeze” button to still the screen image.

Mute

- ▶ Use to mute sound.

Volume +/-

- ▶ Increases/decreases speaker volume.

Keystone +/-

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

Zoom In

- ▶ Press “in” button of zoom function to magnifies an image up to a factor of 32 times on the projection screen.

Zoom Out

- ▶ Press “out” button of zoom function to diminishes the zoom in image.

User Controls

Enter

- ▶ Confirm your selection of items, when you open the front cover of remote control.
- ▶ If the remote control cover is closed, the Enter button functions like the left mouse button.

Use the Panel Control

Power/Standby

- ▶ Refer to the “Power On/Off the Projector” section on page 11~12.





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.



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.

User Controls

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 → PIP → 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. → Zoom → Keystone → White Segment → 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

Computer mode

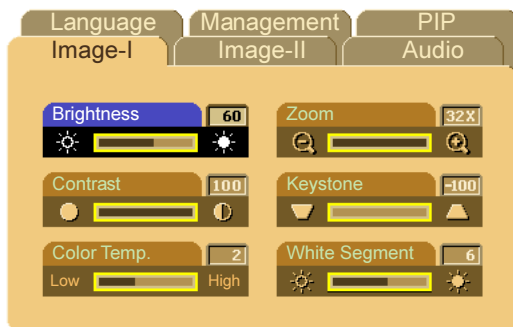


Image-I (Computer mode)

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 “3”. The factory default is “2”. With the higher temperature, the screen looks colder; with the lower temperature, the screen looks warmer.

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)

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.

User Controls

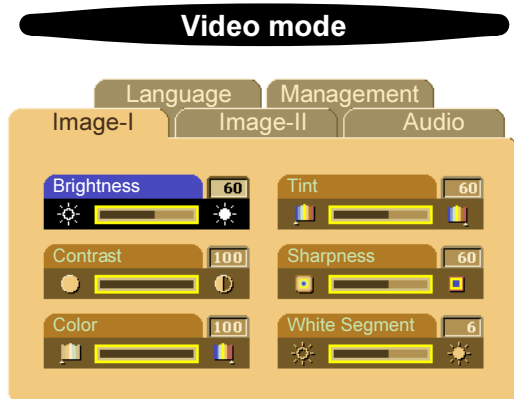


Image-I (Video mode)

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.

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.

Sharpness

Adjusting the sharpness of the image.

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

User Controls

Video mode

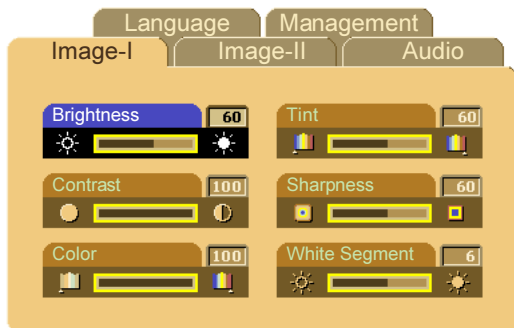


Image-I (Video mode)

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.

User Controls

Computer mode

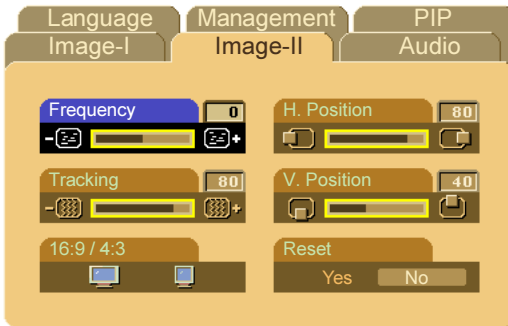


Image-II (Computer mode)

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 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

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

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 factory default.



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

User Controls

Video mode



Image-II (Video mode)

Keystone Correction

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

16 : 9 / 4 : 3

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

Color Temperature

Adjust the color temperature. The range is from "0" to "3". The factory default is "2". With the higher temperature, the screen looks colder; with the lower temperature, the screen looks warmer.

Reset

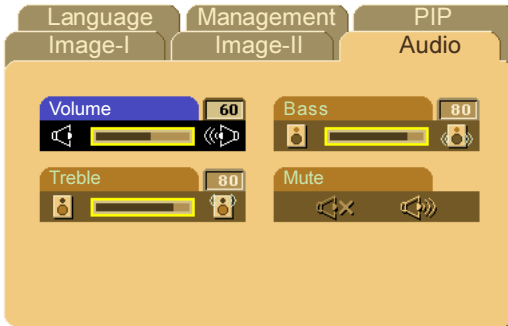
Choose "Yes" to return the display parameters back to factory default.



❖ **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.

Mute

- ▶ Choose the left icon to turn mute on.
- ▶ Choose the right icon to turn mute off.



❖ The OSD does not include a PIP menu under Video mode.

User Controls

Computer / Video mode



Language

Language

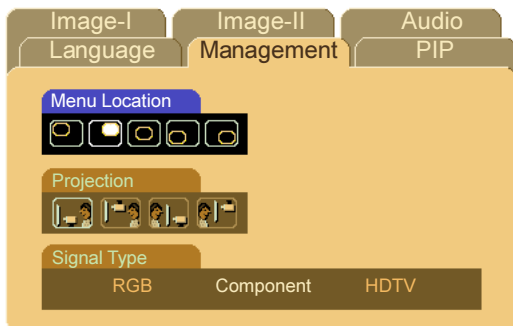
You can display the multilingual OSD menu . Use the ▲ and ▼ key to select your preferred language.



❖ The OSD does not include a PIP menu under Video mode.

User Controls

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

Signal Type

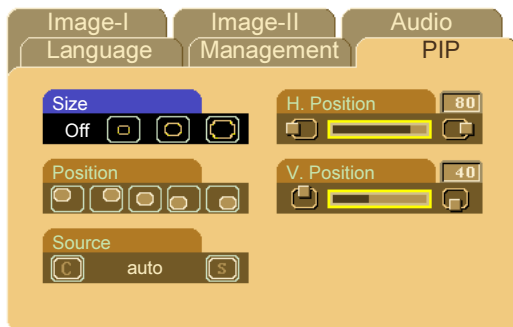
Select signal type between RGB, HDTV and Component video sources.



❖ The OSD does not include a PIP menu under Video mode.

User Controls

Computer mode



**PIP: Picture-In-Picture
(Computer mode)**

Size



Choose the PIP screen size. If you choose “Off” to turn off the PIP screen.

Position



Choose the PIP screen position on the display screen.

Source



Choose the input source of the projector.

- ▶ Auto : Automatically synchronizes the projector to the input source.
- ▶  : Select the input source to Composite video.
- ▶  : Select the input source to S-video.

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.



❖ The OSD does not include a PIP menu under Video mode.

Appendices

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.
- ▶ 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 or the Panel Control.
- ▶ If you use a PC:

If the resolution of your computer is higher than 1024 x 768. 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 Windows 95,98,2000,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.

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.
- ▶ 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.

Appendices

Problem : Image is out of focus

- ▶ Adjust the Focus Ring on the projector lens.
- ▶ Make sure the projection screen is between the required distance 3.74ft.(1.14m)~ 39.37ft.(12m) 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, please contact Sharp Authorized Projector Dealer or Service Center.

Problem : All button is not functional

- ▶ After projector is disconnected with the Power Cord longtime and when you connect the Power Cord again, the "TEMP" indicator may flash seldom and buttons may not be functional. In such case please try to power on after 2 minutes.

Problem : Aspect ratio by DTV signal

- ▶ DTV signal may result slight deviation in aspect ratio depending upon the signal type.

Appendices

Specifications

Light Valve	- Single Chip DLP™ Technology
Lamp	- 150W P-VIP 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	- 23.4"~295.3" Diagonal
Projection Distance	- 3.74~39.37 ft (1.14m~12m)
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	- One internal speakers with 2 watts output
Power Supply	- Universal AC input 100~240V ; Input Frequency 50/60Hz
Power Consumption	- 190 watts at normal operation
Noise level	- 35 dBA
I/O Connectors	- Power: AC power input socket
	- Computer Input: One 35-pin VESA M1-DA for Analog RGB/ Digital/Component Video/HDTV/USB mouse One RS232 input (RS232 is for after service purpose only)
	- Computer Output One 15-pin D-sub computer output
	- Video Input: One Composite video RCA input One S-Video input
	- Audio Input: One phone jack for mono audio input
Weight	- 3.97 lbs (1.8 kgs)
Dimensions (W x H x D)	- Without lens: 9.68x8.05x2.8 inches (246x204 x71 mm) With lens: 9.68x8.73x3.1 inches (246x222x79 mm)
Environmental	- Operating Temperature: 41°F~95°F (5°C~ 35°C) Humidity: 80% maximum
	- Storage Temperature: -4°F~140°F (-20°C~60°C) Humidity: 80% maximum
Safety Regulation	- CE & SEMKO(EN60950), IEC60950

Appendices

Compatibility Modes

Mode	Resolution	(ANALOG)		(DIGITAL)	
		V.Frequency (Hz)	H.Frequency (kHz)	V.Frequency (Hz)	H.Frequency (kHz)
VESA VGA	640 X 350	70	31.5	70	31.5
VESA VGA	640 X 350	85	37.9	85	37.9
VESA VGA	640 X 400	85	37.9	85	37.9
VESA VGA	640 X 480	60	31.5	60	31.5
VESA VGA	640 X 480	72	37.9	72	37.9
VESA VGA	640 X 480	75	37.5	75	37.5
VESA VGA	640 X 480	85	43.3	85	43.3
VESA VGA	720 X 400	70	31.5	70	31.5
VESA VGA	720 X 400	85	37.9	85	37.9
SVGA	800 X 600	56	35.2	56	35.2
SVGA	800 X 600	60	37.9	60	37.9
SVGA	800 X 600	72	48.1	72	48.1
SVGA	800 X 600	75	46.9	75	46.9
SVGA	800 X 600	85	53.7	85	53.7
VESA XGA	1024 X 768	43.4	35.5	43.4	35.5
VESA XGA	1024 X 768	60	48.4	60	48.4
VESA XGA	1024 X 768	70	56.5	70	56.5
VESA XGA	1024 X 768	75	60.0	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	-	-
* I MAC DV	1152 X 870	75	68.49	-	-
* I MAC DV	1280 X 960	75	75	-	-
* I MAC DV	1280 X 1024	75	90.9	-	-



Remark : "*" compression computer image.

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