



Multi-Media DLP projector

D-530MX



User Manual



FCC Notice

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

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference that may cause undesired operation.





Precautions

Safety Instructions

1. Read this manual before you operate your projector and keep it for future reference.
2. Check that the operating voltage of your unit is identical with the voltage of your local power supply.
3. Avoid any liquid or solid object fall into the cabinet, unplug the unit and have it checked by a qualified personnel before operating it further.
4. Do not place this product on an unstable cart, stand, or table. The product may fall and cause serious damage to the product.
5. Unplug the unit from the wall socket if it is not to be used for several days. To disconnect the cord, pull it out by the plug. Never pull the cord itself.
6. This product is capable of displaying inverted images for ceiling mount installation. Please use suitable equipment for mounting the unit and ensure it is securely installed.
7. Do not place the projector where the cord can be stepped on, as this may result in fraying or damage to the lead or the plug. Be alert to tripping hazards.
8. Do not look straight at the projector lens during the operation. The intense light beam may damage your eyes.
9. Do not place your hand or objects near the ventilation holes. The air coming out is hot.
10. To avoid the risk of electric shock, never disassemble this appliance. Except as specifically directed in this manual, do not attempt to service this product yourself. Take it to a qualified technician when service or repair is required. Incorrect reassembly can cause electronic shock when the appliance is subsequently used.
11. Unplug the projector from the wall socket before cleaning. Use a damp cloth for cleaning the projector housing. Do not use liquid or aerosol cleaners.
12. Keep the plastic packing materials (from the projector, accessories and optional parts) out of the reach of children as these bags may result in death by suffocation. Be particularly careful around the small children.

13. Do not operate lamps beyond the rated lamp life. Excessive operation of lamps beyond the rated life could cause them to explode on rare occasions.
14. Never replace lamp assembly or any electronic components unless the projector is unplugged.
15. Always open the lens shutter or remove the lens cap when the projector lamp is on.
16. In some countries, the line voltage is NOT stable. This projector is designed to operate safely within a bandwidth of 100 to 240 volts, but could fail if power cuts or surges of +/-10 volts occur. In these high-risk areas, it is recommended to install a power stabilizer unit.
17. Never unplug the power cord while the projector is in use. Always turn the power switch off first. Wait for the fan to stop. Then unplug the power cord.

Cautions

-  The remote control also includes a laser pointer. Some models of remote control provide laser pointer function. Never point the laser pointer directly to people's eyes (especially small children). There is a danger of injury to the eyes. So keep the Remote Control out of the reach of children.
-  The projector is equipped with ventilation holes (intake) and ventilation holes (exhaust). Do not block or place anything near these slots, or internal heat build-up may occur, causing picture degradation or damage to the projector.
-  The lamp becomes extremely hot during the operation. Allow the projector to cool for approximately 45 minutes prior to removing the lamp assembly for replacement.
-  When you replace the projector lamp, never touch the new bulb with your bare hands. The invisible residue left by the oil on your hands may shorten the bulb 's life span. Use of lint-free gloves or finger cots is recommended.

Preventing Internal Heat Build-Up

After you turn off the power with the Power button, do not disconnect the unit from the outlet while the cooling fan is still running.

Repacking

Save the original shipping carton and packing material; they will come in handy if you ever need to send your unit back. For maximum protection, repack your unit as it was originally packed at the factory.

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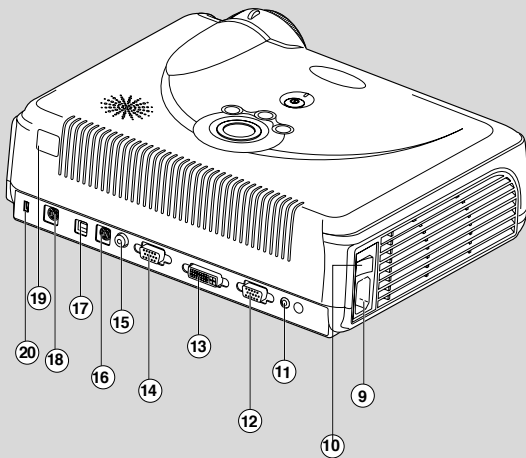
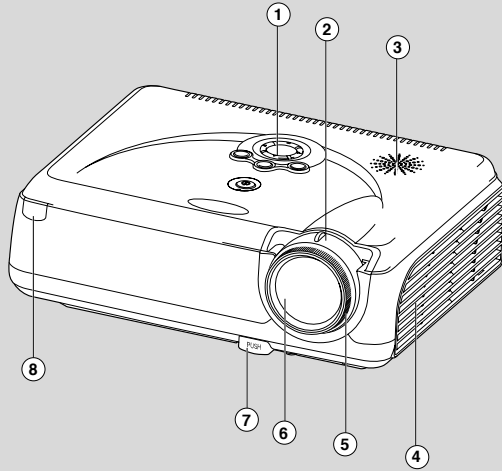
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Projector Features and Controls

Projector



1. External Control Panel including the Power Button (see next page)
2. Zoom Ring
3. Speaker
4. Ventilation Grill
5. Focus Ring
6. Projection Lens
7. Adjustable Feet
8. Front IR Remote Sensor (Note 1)
9. AC IN Socket
10. Power Switch
11. Audio IN Connector
12. PC/YPbPr/YCbCr Connector
13. DVI-D IN Connector
14. MONITOR-OUT Connector (Note 2)
15. VIDEO Input Connector
16. S-VIDEO Input Connector
17. USB Connector (Note 3)
18. CONTROL Port (Note 4)
19. Rear IR Remote Control Sensor (Note 1)
20. Kensington Lock

External Control Panel

LED Indicator Indicates the status of the projector.

Control Panel Button



Turns the projector (or lamp) ON or OFF.

SOURCE

Automatically/Manually selects an input source.



ENTER

Confirms the selection of settings.

MENU

Displays (or hides) the on-screen control menus.

AUTO

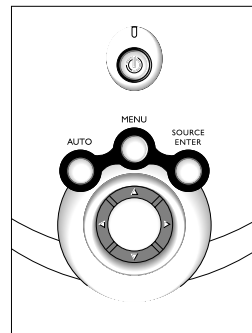
Automatically adjusts frequency and phase in VGA mode.

Cursor Controller

(▲ / ▼ / ◀ / ▶)

It can be used as a navigation control to navigate the projector menus.

- ▲ Scrolls up through the menu choices.
- ▼ Scrolls down through the menu choices.
- ▶ Increases the value setting on the selected sub-menus, or confirms a menu selection.
- ◀ Decreases the value setting on the selected sub-menus.



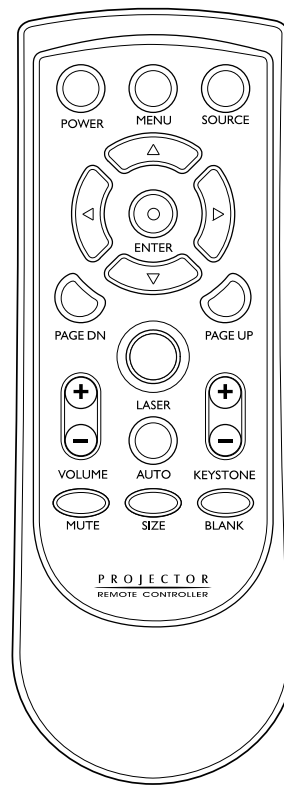
Note:

1. The Infrared Remote Receiver (Front and Rear) allows the projector to accept signals from the remote control. For best results, aim the remote control toward the sensor without any obstructions in between.
2. VGA out. You can connect the projector with an external monitor for monitoring the VGA input signal.
3. When connecting this projector with PC through USB cable, you can set page up or down of presentation file by pressing PAGE U/DN button on the remote control.
4. RS-232 control port allows you to control the projector with full functions through PC software. The control cable is an optional accessory.

Remote Control

Button Function

- POWER** Turns the projector ON or OFF.
- MENU** Displays (or hides) the on-screen control menus.
- SOURCE** Automatically/Manually selects an input source.
- ▲ Scrolls up through the menu choices.
- ▼ Scrolls down through the menu choices.
- ◀ Decreases the value setting on the selected sub-menus.
- ▶ Increases the value setting on the selected sub-menus, or confirms a menu selection.
- ENTER** Confirms a menu selection.
- Page DN** Press to select the down Page
- Page UP** Press to select the up page
- LASER** Fires laser pointer (press and hold).
- ⚠ Never point the laser pointer directly to people's eyes (especially small children).
- VOLUME** Adjusts the volume of the projector's speaker.



AUTO	Automatically adjusts frequency and phase.
KEystone	Selects vertical trapezoidal distortion.
MUTE	Cuts off the sound temporarily.
SIZE	Adjust to display the projected image.
BLANK	Blank the screen temporarily.

Note:

- Toggle the KEystone button to select the desired trapezoidal distortion. To adjust the trapezoidal distortion of the projection, press the ◀ or ▶ button.
- When replacing batteries, take the following precautions:
 - ⚠ Do not recharge used batteries or expose batteries to fire or water.
 - ⚠ Replace batteries as soon as they run out. If the batteries leak, wipe away the fluid with a soft cloth. If battery fluid gets onto your hands wash them immediately.
 - ⚠ Remove the batteries if you will not be using the projector for a long period.

Getting the Most Out of Your Projector

The projector comes with a full set of features that allows you to control the settings for the image display.

To get the greatest utility from your projector, read the following sections for a summary of these important features.

Remote Control

The buttons on the Remote Control allow direct and immediate control of the most commonly used features including source selection, keystone adjustment, volume control, screen blanking, audio muting and power control.

Remote Control buttons can also be used for advanced functions and for accessing to the projector's menu system.

Setup

This section provides you with instructions on how to unpack and set up your projector and connect it to other equipment. The projector must be connected to a computer or a video source such as a DVD or laser disk player in order to make a projection. You may want to connect the projector to both your computer and a video source, or set up the projector for one or more of the following:

- Provide audio for one or both image sources. The audio source can be the computer, video source, or another device such as a stereo.

Unpacking the Projector

The projector is shipped with the necessary cables required for standard PC or laptop computer connections. Carefully unpack and verify that you have all the items shown below. If any of these items are missing, please contact your local dealer.

- Projector
- Soft carrying case
- Remote Control
- 2 AAA batteries
- Power cord
- USB cable
- Composite cable (RCA for Video)
- VGA cable
- S-Video cable (Mini Din 4 pins)
- Audio cable (2 Stereo Phone Plug)
- Lens cap
- Quick Start Guide
- User's Manual

Optional accessories:

- DVI-D cable
- Spare Lamp Kit
- Control Cable
- Component Cable (D-Sub 15 pin to RCA *3)
- DVI to VGA Cable

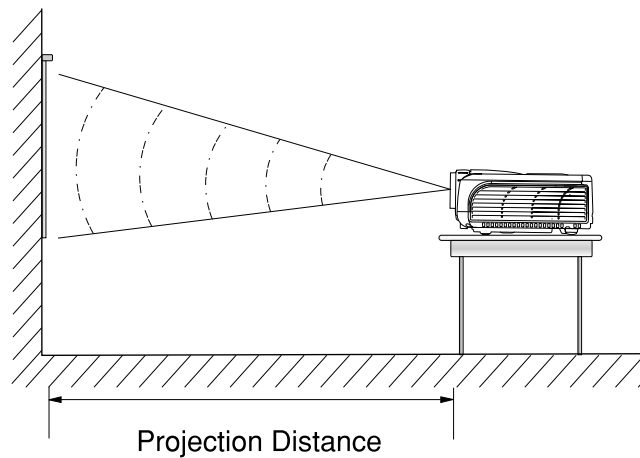
Many of the above optional items may not be required for your particular installation. Retain packaging materials in case you need to move or ship the projector in the future. It should always be transported in its original protective packaging or the equivalent.

Installation

1. Place the projector on a sturdy, level surface within five feet of the computer or video source.

⚠ Do not hold the projector by the projection lens. That may cause damage of it.

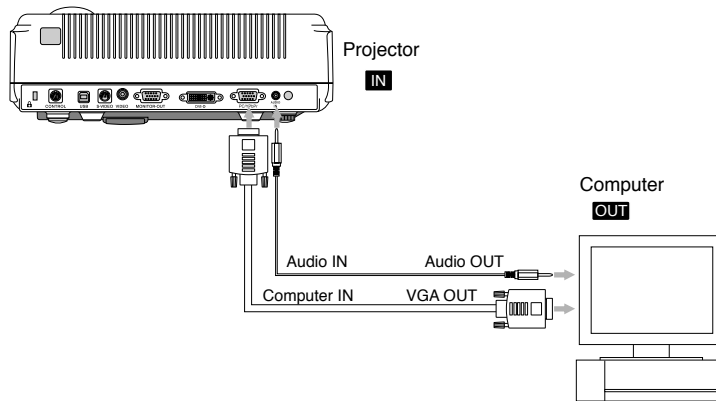
2. Place the projector in correct distance from the screen. The distance between the projector and the screen determines the actual image size. Use the following general guidelines to determine the correct distance.



3. Adjust the vertical position of the projection area: Use adjustable front foot for Height adjustment. If the projector is tilted vertically or horizontally, turn the bases of the rear adjustable feet to make the adjustments to the height of the projector.
4. Use the keystone function to adjust vertical trapezoidal distortion.

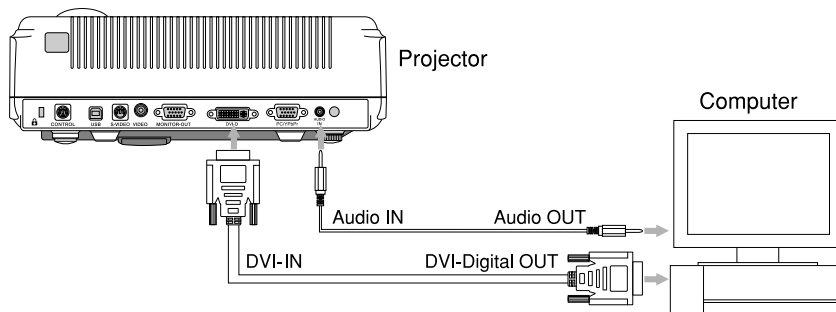
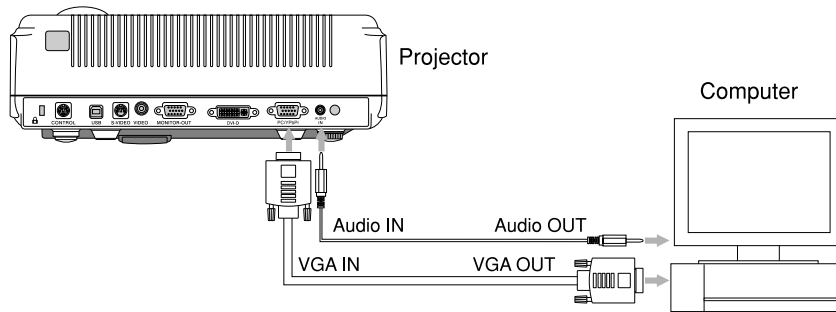
Projection Distance(m)	Screen Size (for 4 : 3 aspect-ratio diagonal length)	
	Zoom Wide (LxW in cm)	Zoom Tele (LxW in cm)
1.5	45" (90 x 67.5)	37.5" (75 x 56.25)
2	60" (120 x 90)	50" (100 x 75)
2.5	75" (150 x 112.5)	62.5" (125 x 93.75)
4	120" (240 x 180)	100" (200 x 150)
5	150" (300 x 225)	125" (250 x 187.5)
8	240" (480 x 360)	200" (400 x 300)
10	300" (600 x 450)	250" (500 x 375)

Connecting to a Computer

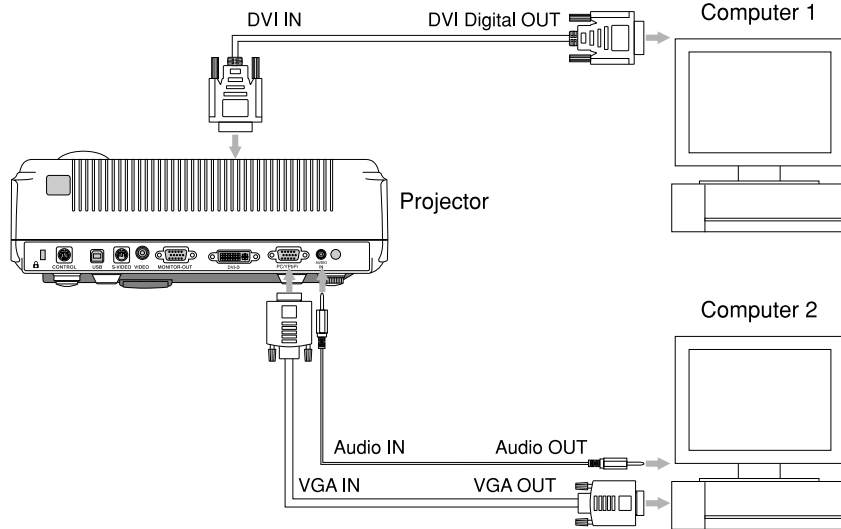


The projector will always project at XGA (1024 x 768) resolution. (XGA is the native resolution of the projector.) However, you can connect the projector to a computer source capable of displaying VGA (640 x 480), SVGA (800 x 600), XGA, or SXGA (1280 x 1024) resolutions. The projector will resize VGA, SVGA, and SXGA input automatically for projection at XGA resolution. The types of computers supported by this projector include IBM, Macintosh and Apple compatible laptop or desktop PCs (PC compatibles).

Connecting One Computer (data)



Connecting Two Computers (data)



Connecting to a Video Source

You can connect the projector to almost any common video source - VHS player, DVD player, camcorder, laser disc player or any other compatible video image sources.

The projector can accept composite, component, or S-Video signals:

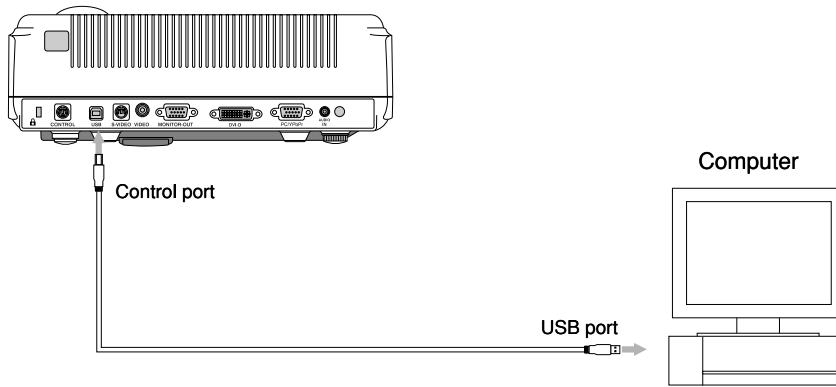
- Composite video is characterized by a single-pin "RCA-type" video jack, usually colored yellow.
- Component video (YPbPr) is less common and features three "RCA-type" video jacks, typically colored green, blue and red.
- S-Video is readily identified by a single connector with four small pins.

You can connect the projector simultaneously to composite, component, and S-Video sources. You can select which video source to project using the Control Panel or Remote Control. If the Auto Search feature is ON (see later section- OSD SOURCE: AUTO SOURCE of this manual), the projector will automatically detect and select a source. The projector supports NTSC, PAL and SECAM video formats. The projector will automatically detect and identify the video format. Note that even though the projector can connect to multiple sources simultaneously it can only accept one video format at a time.

Each of the three video types requires their respective cable. Composite video and S-Video cables are included with the projector. If lost, they are readily available at electronics stores and are commonly included with each video source device. For component-video (YPbPr), use the optional component cable from your dealer. Finally, connect your video source to the projector using the appropriate cable.

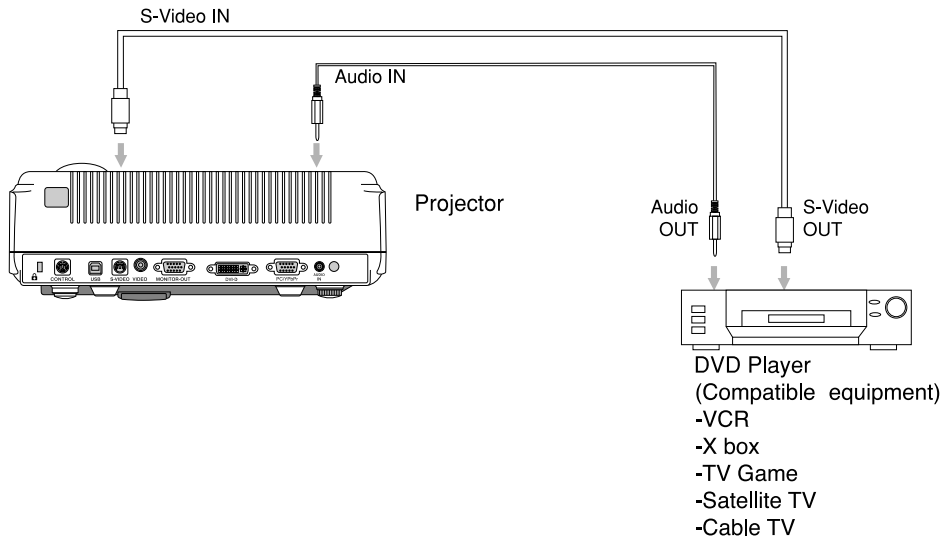
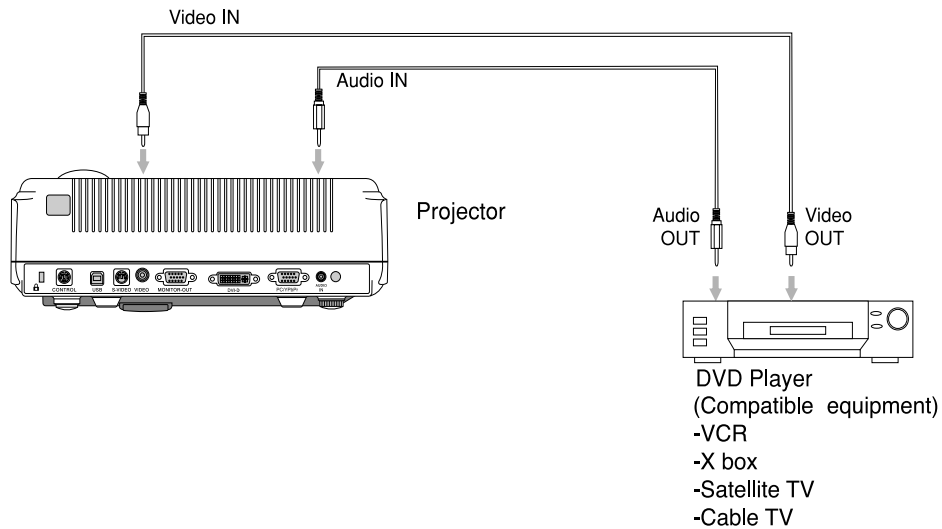
Note:

- The projector is not compatible with a cable TV-style coaxial "F" connector.

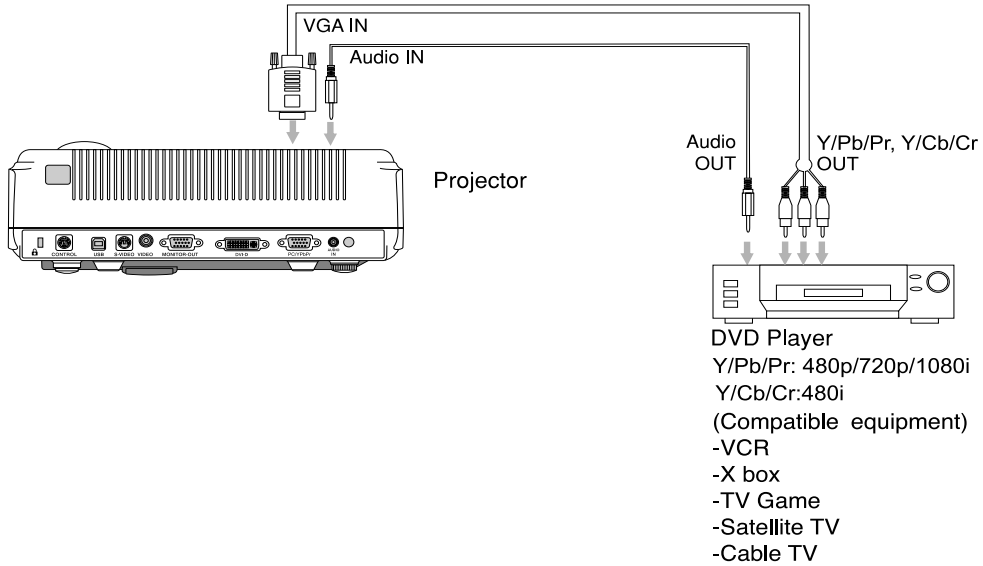
USB Cable**Note :**

- You can set the Page UP and Down through the USB cable by pressing the PG UP and PG DN buttons on Remote controller.
- The remote control can not function as a PC mouse.

Connecting to Composite Video Source



Connecting to Component Video Source



Operation

This section describes the following information about using your projector:

- Turning the Audio/Visual (A/V) Equipments On and Off
- Focusing and Sizing the Projected Image
- Operational Indicator (LED)

Turning the Audio/Visual (A/V) Equipments On and Off

Always turn on the projector and related A/V equipments in the following order.

1. Projector
2. Computer
3. Video source
4. Audio source


Turning the Projector On

1. Plug the power cord into the side of the projector.
2. Plug in the power cord into an electrical outlet.
3. Remove the projector lens cap. (Note 1)
4. Turn on the power switch on the side of the projector.
5. Press the Power button (on either the Remote Control or the Projector Control Panel) to turn on the lamp. When the Green LED indicator is lit, the projected image will get full illumination.
6. After the image appears on the screen, adjust the focus and size for the projected image to fit properly on the screen. Make any necessary image adjustments by using the on-screen menus.

Note 1:

- Remove lens cap before projection and attach the lens cover to the lens when not using the projector, in order to stop the lens from getting dusty or dirty.

Warning:

-  Never look into the lens when the lamp is on. This can damage your eyes. It is especially important not to let children look into the lens.

Turning the Projector Off

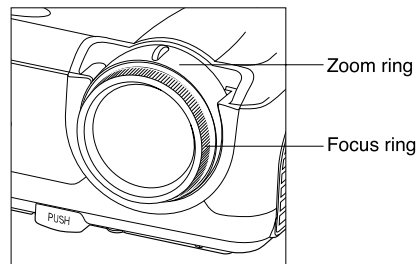
1. To turn the projector off, press the Power button (on either the Remote Control or the Projector Control Panel). The confirmation message will appear on the screen for about 5 seconds.
2. Press the Power button again while the message is still on the screen. To cancel the power OFF and resume operation, wait until the message disappears from the screen.
3. After the fan has turned off automatically you may turn off the Power Switch.
4. Then and only then you may unplug the power cord.

Press POWER again to
turn off the projector

Focusing and Sizing the Projected Image

After the image appears on the screen, check the focus and size to fit properly on the screen.

- Rotate the focus ring until the projected image is clear.
- Rotate the zoom ring until the projected image is at the desired size.



Operational Indicator (LED)

There is one LED on the top of the projector to indicate the status of the projector and the lamp. It provides valuable information about the projector:

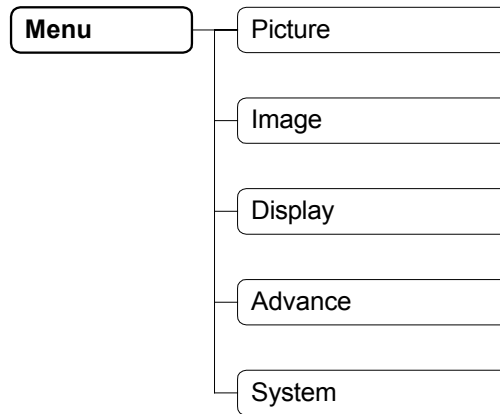
LED COLOR	STATUS	MEANING
Green	Solid	The projector is powered on and ready.
Green	Flashing	<p>LAMP (Turning on): When the Power button is pressed, the lamp will turn on and the LED indicator will light in green. If it is not successfully on, the lamp will automatically attempt to ignite two more times. If the lamp still cannot be turned on afterwards, wait 30 seconds for projector to cool down (LED indicator flashes red). When the LED indicator turns red, press the Power button again to light up the lamp.</p> <p>LAMP (Turning off): When turning off the lamp, the LED indicator will flash (green) to indicate the projector is shutting down. At the same time, the fan will continue for 2 minutes, and then the LED indicator will turn red and the fan will shut down indicating the lamp has cooled down.</p> <p>Note: Do not unplug the power cable or turn the power switch Off before the lamp LED becomes red. During the cooling & warming up processes the projector won't accept any key in command.</p>
Red	Solid	When main power is turned on, the projector is in standby mode. (Lamp off)
Red	Flashing	<p>Error messages as the following:</p> <ol style="list-style-type: none"> 1. There is a problem with the projector fan - the projector cannot start up. 2. The projector lamp failed to ignite after 3 attempts.

Menu System

Accessing the Main Menu

The projector menus can be accessed using either the Projector Control Panel or the Remote Control. To display the Main Menu, press the MENU button .

The Main Menu Tree Diagram appears as following.

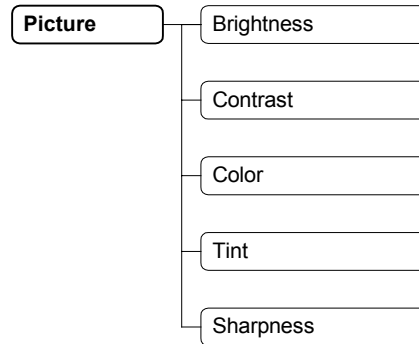


Changing a Menu Setting

1. Press the MENU button to display the on-screen menu.
Press the MENU button once again to exit from the current menu.
2. Press the ► button to confirm the menu selection.
3. Press the ▼ / ▲ button to select the desired function.
4. To change the setting, press the ◀ / ▶ button.
5. Press the MENU button to exit the current menu.

Picture Menu

This menu provides precise control of the Picture Settings:

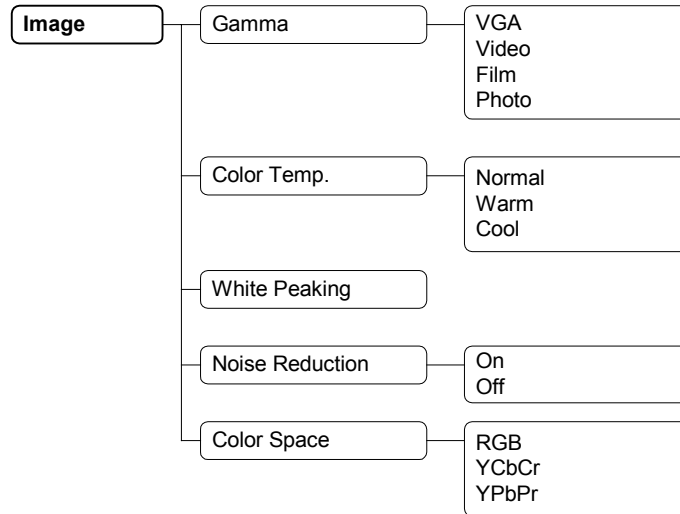


The following table provides detail of the available sub-menu choices:

Option	Actions / Descriptions
Brightness	Adjusts the brightness of the projected image.
Contrast	Adjusts the contrast level of the projected image.
Color	Adjusts the color intensity of the projected image.
Tint	Adjusts the tones of the projected image.
Sharpness	Makes sharper or softer the contour of the projected image.

Image Menu

This menu provides precise control of the Image settings :



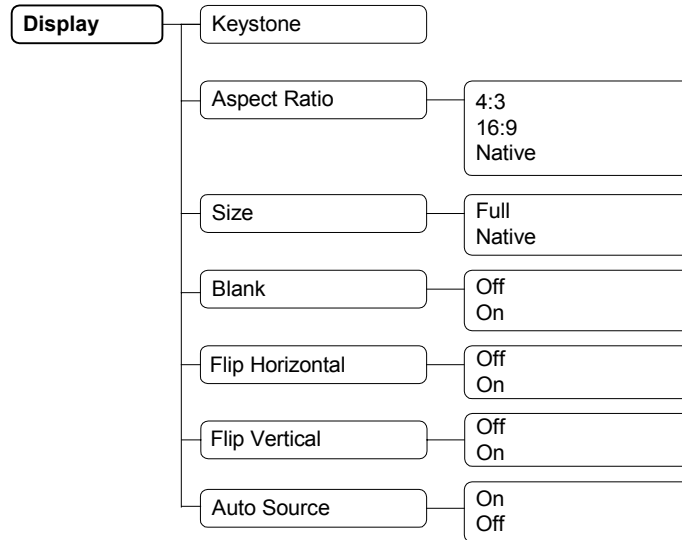
The following table provides detail of the available sub-menu choices:

Option	Actions / Descriptions
Gamma	Selects Gamma Mode. Select the input signal type with the ◀ / ▶ buttons: VGA: Computer text mode Video: Common video mode Film: Dark video image mode Photo: Computer photo mode
Color Temp.	Adjusts the color temperature. With the higher temperature, the screen looks colder; with the lower temperature, the screen looks warmer. Normal Warm Cool

Option	Actions / Descriptions
White Peaking	White Peaking can be adjusted between 0 and 10. Select the desired setting with the ◀ / ▶ buttons: Setting 10 will maximize the brightness. Setting 0 will maximize color reproduction quality.
Noise Reduction	Activates the function to reduce the noise. On Off
Color Space	Manually selects signal type. Select the input signal type with the ◀ / ▶ buttons: RGB YCbCr YPbPr

Display Menu

This menu provides precise control of the display settings:



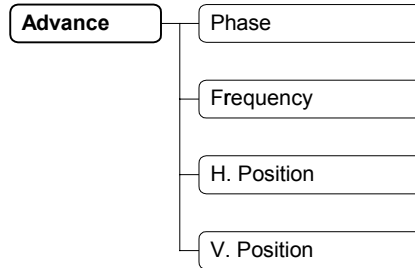
The following table provides detail of the available sub-menu choices:

Option	Actions / Descriptions
Keystone	<p>Adjusts image distortion caused by tilting the projector.</p> <p>Select the desired setting with the ◀ / ▶ buttons: Press the ◀ button to reduce the upper width. Press the ▶ button to reduce the lower width.</p>
Aspect Ratio	<p>Selects this function to fit 4:3, 16:9, or Native aspect ratio. In order to use the Native aspect ratio, the input must be a computer signal (through VGA cable) of resolution less than XGA (1024x768). If the input signal is a computer signal greater than XGA or component 1080i / 720p, only 4:3 or 16:9 aspect ratio will be available.</p>

Option	Actions / Descriptions
Size	Full: Makes the aspect ratio of the projected image to the ratio of an image's length and height. Native: Displays the image in its native aspect ratio.
Blank	Blanks the screen temporarily. Off On
Flip Horizontal	The image is reversed horizontally. Press the MENU / ENTER button on the Projector Control Panel or the Remote Control to active this function.
Flip Vertical	The image is reversed vertically. Press the MENU / ENTER button on the Projector Control Panel or the Remote Control to active this function.
Auto Source	Automatically scans the input source. Press the MENU/ENTER button on the Projector Control Panel or the Enter button on the Remote Control to active this function. On Off

Advance Menu

This menu provides precise control of the advance settings:

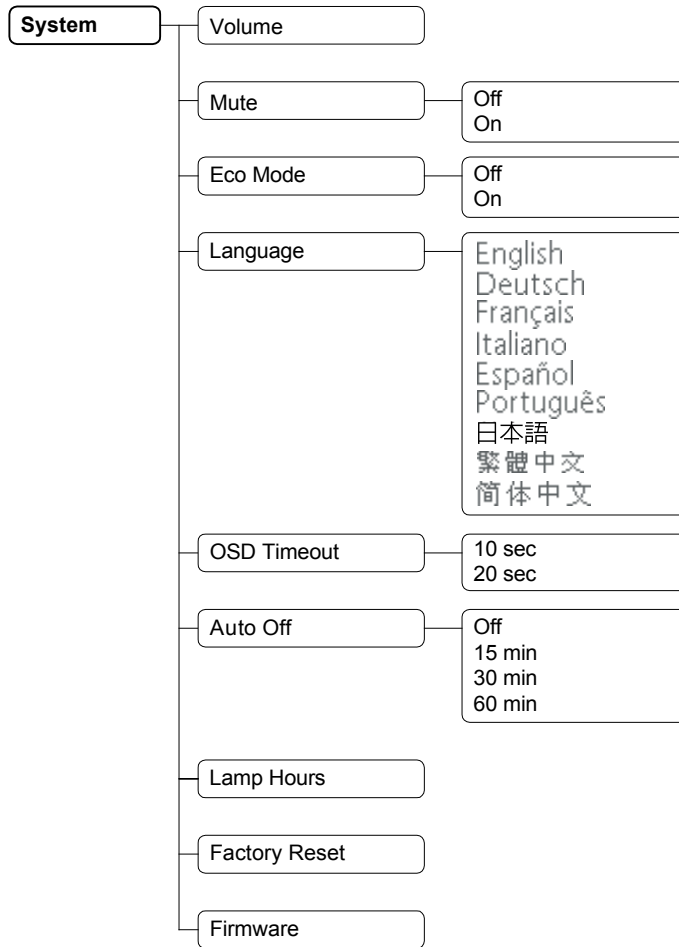


The following table provides detail of the available sub-menu choices:

Option	Actions / Descriptions
Phase	<p>Synchronizes the signal timing of the display with that of the graphic card. If you experience an unstable or flickering image, use the phase function to correct it.</p> <p>Select the desired setting with the ◀/▶ buttons: Press the ◀ button to decrease the value. Press the ▶ button to increase the value.</p>
Frequency	<p>Changes the display data frequency to match the frequency of your computer graphic card. If you experience a vertical flickering bar, use this function to make an adjustment.</p> <p>Select the desired setting with the ◀/▶ buttons: Press the ◀ button to decrease the value. Press the ▶ button to increase the value.</p>
H. Position	<p>Adjusts the horizontal position.</p> <p>Select the desired setting with the ◀/▶ buttons: Press the ◀ button to move the image left. Press the ▶ button to move the image right.</p>
V. Position	<p>Adjusts the vertical position.</p> <p>Select the desired setting with the ◀/▶ buttons: Press the ◀ button to move the image up. Press the ▶ button to move the image down.</p>

System Menu

This menu provides precise control of the System settings :



The following table provides detail of the available sub-menu choices:

Option	Actions / Descriptions
Volume	Adjusts the volume of the projector's speakers
Mute	Cuts off the sound temporarily
Eco Mode	<p>Uses this function to dim the projector lamp light output which will lower power consumption and increase lamp life.</p> <p>Select the desired setting with the ◀/▶ buttons:</p> <p>On</p> <p>Off</p>
Language	<p>Selects the language for menu and message displayed.</p> <p>Select the language you prefer with the Enter buttons.</p> <p>English Deutsch Français Italiano Español Português 日本語 繁體中文 简体中文</p>
OSD Timeout	<p>Duration OSD (On-Screen Display) menu stays active (at idle state by second)</p> <p>Select the desired setting with the (◀/▶) buttons.</p> <p>10 sec</p> <p>20 sec</p>

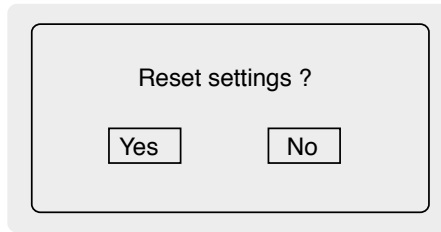
Option	Actions / Descriptions
Auto Off	<p>Uses this function to automatically turn off the lamp if the projector does not detect an input signal for specified time period.</p> <p>Select the desired setting with the ◀ / ▶ buttons:</p> <p>Off 15 Min 30 Min 60 Min</p>
Lamp Hours	<p>Displays operating hours since lamp timer reset.</p> <p>Press Enter Button to reset Lamp Hours</p>
Factory Reset	<p>Resets the projector to its factory default settings.</p> <p>Press the Enter button on the Projector Control Panel or the Enter button on the Remote Control to enter its sub-menu, select the desired setting with the ◀ / ▶ buttons, and confirm the selection with the Enter button on the Projector Control Panel or the Enter button on the Remote Control again.</p>
Firmware	<p>Display the Firmware version of the projector</p>

CAUTION:

To mount the projector on the ceiling, special expertise and techniques are required. Please consult your dealer for specialist to perform the work.

Notes on Factory Reset Sub-Menu

After you select the Factory Default sub-menu and press the Enter button, a confirmation message will appear on the screen.



Use ◀ or ▶ of the remote control to select Yes for resetting the factory default setting or select No for cancelling the action, then press the Enter button to confirm the setting.

Notes on Lamp Hours Sub-Menu

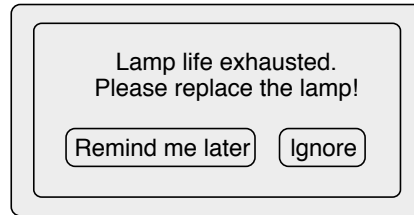
After you select the Lamp Reset sub-menu and press the Reset button, a confirmation message will appear on the screen



Use ◀ or ▶ of the remote control to select Yes for resetting the lamp life count or select No for cancelling the action, then press the Enter button to confirm the setting.

Notes on Exhausted life of lamp

When the lamp runs over a specific hours (2000 hours for normal mode,3000 hours for ECO mode), a warning message will pop out to remind user to change the lamp.



Select "Remind me later" to cancel the warning message. The message will be popped out again every time you turn on the projector to remind you to change the lamp. Select "Ignore" to ignore this message. The warning message won't pop anymore except you reset the lamp timer.

Note:

- Do not operate lamp beyond the rated lamp life. Excessive operation of lamp beyond the rated life could cause it exploded on rare occasions.

Maintenance

The projector needs little maintenance. You should always keep the lens clean. Otherwise dust or stains will be projected on the screen and diminish the image quality.

The only part you should replace yourself is the lamp.

If any other parts need replacing, contact your dealer or qualified service personnel. When cleaning any part of the projector, always switch off and unplug the projector power cord first.

Warning:

Never open any of the covers on the projector except the lamp and filter covers. Dangerous electrical voltages inside the projector can cause severe injury. Except as specifically indicated in this Instruction Manual, do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

Cleaning the Lens

Clean the lens whenever you notice dirt or dust on the surface. Wipe the lens surface gently with a soft, dry, lint-free cloth.

To remove dirt or stains on the lens, moisten a soft cloth with water and a neutral detergent and gently wipe the lens surface.

Cleaning the Projector Case


To clean the projector case, first unplug the power cord. To remove dirt or dust, wipe the casing with a soft, dry, lint-free cloth. To remove stubborn dirt or stains, moisten a soft cloth with water and a neutral detergent. Then wipe the casing. Do not use alcohol, benzene, thinners or other chemical detergents as these can cause the casing to warp.

Lamp Replacement

The projector lamp used for the light source has a certain life. It is time to replace the lamp when:

- The projected image gets darker or starts to deteriorate.
- The projector LED indicator is flashing red.
- The projector lamp failed to ignite every time.

Caution:

 This projector lamp develops high heat and high pressure during the use, so the lamp ruptures and burns may result. To avoid serious injury, always turn off the power and let the projector cool for at least 60 minutes before replacing the lamp.

1. Turn the power switch off on the side of the projector. Disconnect the power cord from the outlet and the projector.
2. Loosen the screw and remove the lamp cover. If the lamp is hot, wait 60 minutes before changing the lamp.
3. Loosen the 3 screws. (It is strongly recommended you use a magnetic-headed screwdriver). Pull the handle to remove the lamp housing. If the screws are not loosened completely, they could injure your fingers. Do not insert your hand into the box after the lamp is removed. If you touch the optical parts inside the projector, this could cause color unevenness.
4. Replace the lamp with a new one. Insert it into the projector, and tighten the screws firmly. Please note that loose screws may cause a bad connection, which may result in projector malfunction.
5. Replace the lamp cover and tighten the screw. Do not turn on the power without lamp cover. After the lamp is replaced, reset the total lamp operation counter. Do not reset the lamp life counter if the lamp is not replaced as this could cause breakage.

Product Specifications

Projection System	0.7" 12°DLP™
Native Resolution	1024 x 768 Pixels (Native)
Aspect Ratio	4:3, supports 16:9
Lamp	250W VIP Lamp, 2000 hours (normal mode) 3000 hours (ECO mode)
Displayable Color	16.7 million (True colors)
Screen Size	45"~300" inches
Projection Distance	1.5m~10m
Projection Lens	F=2.2~2.64, f=23.6~28.2 mm Manual Focus and Manual Zoom
Projection Type	Normal Front, Rear Ceiling, Ceiling Front, Normal Rear
Scanning Frequency	Horizontal Freq. 35.156 - 77.487 Vertical Freq. 56.250-85.061
Keystone Correction	Vertical: +/-15 degrees
Analogue RGB Input (input signal)	D-Sub & DVI-D Connector
HDTV Display (YPbPr)	480i, 480p, 720p, 1080i
Integrated Speaker	2 Watts x 1 Mono Speaker
OSD Language	English, German, French, Italian, Spanish, Portuguese, Japanese, Traditional Chinese and Simplified Chinese
Operation Ambient	Temperature: 5~35°C Humidity: 30~85%
Power Supply	AC100 ~ 240 V +/-10%, 50/60 Hz
Power Consumption	320 Watts (typical)
Dimension (H*W*D)	86 mm(H) x 285 mm(W) x 210 mm(D) (Excluding Lens and Stand)
Weight	5.8lbs/2.6 kg

Designs and specifications are subject to change without notice.

Appendix

Troubleshooting Guide

DISPLA Y	MEANING
When the projector is synchronized to 480i	If the video source is switched from 480i to 480p. Double image may appear. This can be corrected simply by pressing the "source" button again.
When the LED indicator status remains solid green or flashes	<p>Lamp (Turning ON)</p> <p>When the POWER button is pressed, the lamp will turn on and the LED indicator will light green. If it is not successfully turning on, the lamp will automatically light up for another two times.</p> <p>Lamp (Turning OFF)</p> <p>When turning off the lamp, the LED indicator will flash green to indicate the projector is shutting down.</p> <p>At the same time, the fan motor will cool down for 2 minutes, and then the LED indicator will turn red to indicate the fan motor is turned off and the lamp has cooled down.</p>

Preset Signals

VESA Mode	Resolution	Timing
VGA	640X480	60 Hz
		72 Hz
		75 Hz
		85 Hz
SVGA	800X600	56 Hz
		60 Hz
		72 Hz
		75 Hz
		85 Hz
XGA	1024X768	60 Hz
		70 Hz
		75 Hz
		85 Hz
XGA	1152X864	75 Hz
SXGA	1280X960	60 Hz
SXGA	1280X1024	60 Hz
		75 Hz

HDTV Preset Timings

Mode	Resolution	Timing
480p	720x480p	60 Hz
720p	1280x720p	60 Hz
1080i	1920x1080i	60 Hz