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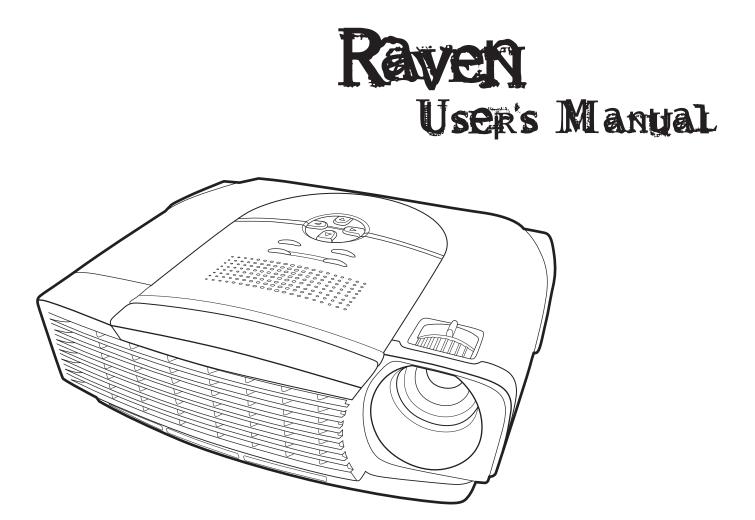
http://www.myprojectorlamps.ca

http://www.myprojectorlamps.eu

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



ph: 1.800.762.5757 • fx: 888.353.4242 www.boxlight.com





## raa notice

This equipment has been tested and found to comply with 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 residential 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, detectable by turning the equipment in question 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 to an outlet on a different circuit than that which the receiver is connected to
- Or 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.

## sarety instructions

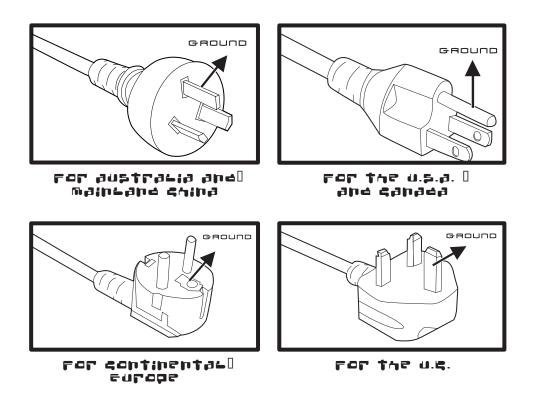
Read all of these instructions before you operate your projector and save for future reference.

- 1. Check that the operating voltage of your unit is identical with the voltage of your local power supply.
- 2. Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by the qualified personnel before operating it further.
- 3. Do not attempt to service this product yourself, as opening or removing covers may damage the components inside and will void your warranty.
- 4. Do not place this product on an unstable cart, stand, or table. The product may fall, causing 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. The wall socket should be near the unit and easily accessible.
- 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. Never look into the projector lens when the lamp is switched on as the bright light can damage your eyes. Never let children look into the lens when it is on.
- 9. Do not place your hand or objects near the ventilation holes. The air coming out is hot.
- 10. Never open any covers on the projector except the lamp cover. Dangerous electrical voltages inside the projector can cause severe injury. Except as specifically directed in this User's Manual, do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- 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. For ventilation reasons, the fan continues to operate after the projector has been powered off. Please do not unplug the power cord until the fan stops.
- 14. 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.
- 15. 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 life. Use lint-free gloves or finger cots are recommended.
- 16. The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
- 17. Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

### notes on he power gord

AC Power Cord must meet requirement of country where you use a projector. Confirm an AC plug type with graphics below and proper AC Power Cord must be used. If supplied AC Power Cord does not match your AC outlet, contact your sales dealer. This projector is equipped with a grounding type AC line plug. Make sure that your outlet fits the plug. Do not defeat the safety purpose of this grounding type plug. We highly recommend using a video source device also equipped with a grounding type AC line plug to prevent from signal interference due to voltage fluctuation.



## 

## product introduction

#### projector reatures

The projector integrates high-performance optical engine projection and a user-friendly design to deliver high reliability and ease of use.

The projector offers the following features:

- Single chip 0.55" Texas Instruments DLP™ technology
- SVGA (800 x 600 pixels)
- Compact size, light weight for portability
- 1.2x manual zoom lens
- Auto image re-sizing (Auto-Sync.) to 800 x 600 full screen with scaling compression compatibility for VGA, SVGA, XGA\* and SXGA\*.
- State-of-the-art motion adaptive hardware deinterlacing with 3:2 pull down
- 200-watt, user-replaceable lamp
- Compatibility with Macintosh® computers
- Compatibility with NTSC, PAL, SECAM, and HDTV
- Multi-function remote control
- D-Sub 15-pin cable for analog video connectivity
- User-friendly, multi-language on-screen display (OSD)
- Advanced electronic keystone correction



\*means compressed.

### package contents

When you unpack the projector, make sure you have all these components:

**Remote Control** 



**Projector with Lens Cap** 





20' Component Video to VGA



S-Video Cable



Battery for Remote Control



AC Power Cord

**Composite Video Cable** 



Projector Carrying Case



Audio Cable



User's Manual

optional Accessory



#### **Component Video Adapter**

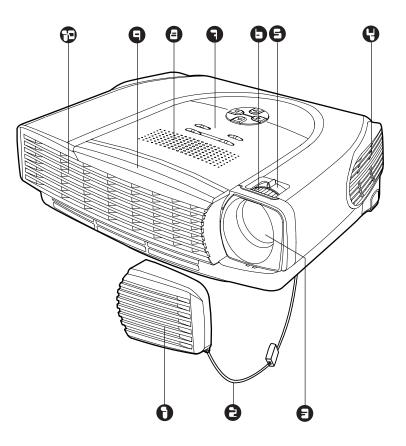
NOTE: Required for 20' Component Video Hook-up Please consult with the manufacturer of your game console



- Save the original shipping carton and packing material; they will come in handy if you ever to ship your unit. For maximum protection, repack your unit as it was originally packed at the factory.
- Accessories and components may vary by retailer and region.

## getting to know the provector

Projector components

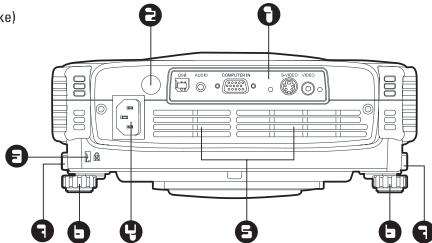


- 1. Lens cap
- 2. Lens cap strap
- 3. Lens
- 4. Ventilation holes (intake)
- 5. Zoom ring

- 6. Focus ring
- 7. Control panel
- 8. Speaker
- 9. Front IR remote control sensor
- 10. Ventilation holes (exhaust)

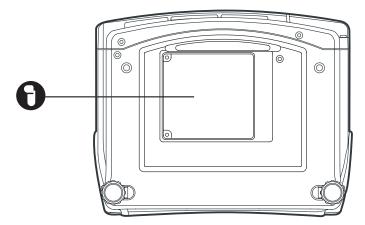
rear upeu

- 1. Interface
- 2. Rear IR remote control sensor
- 3. Security Lock Receptacle
- 4. AC power socket
- 5. Venilation holes (intake)
- 6. Foot adjuster
- 7. Foot adjuster button



potton view

1. Lamp cover



## contros papes

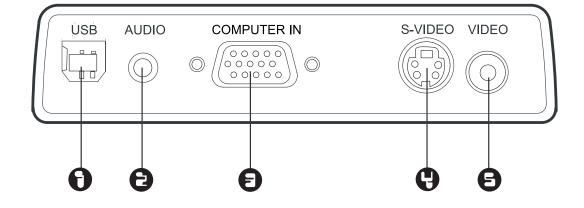
#### LED

- 1. POWER (Power LED indicator)
- 2. LAMP (Lamp LED indicator)

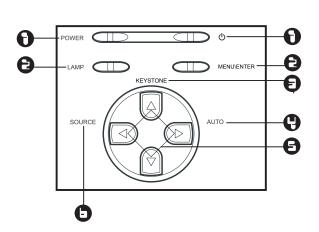
#### Button

- 2. MENU\ENTER
- 3. KEYSTONE (▼∕▲)
- 4. AUTO (►)
- 5. Four direction buttons
- 6. SOURCE (<)

## Interface connector

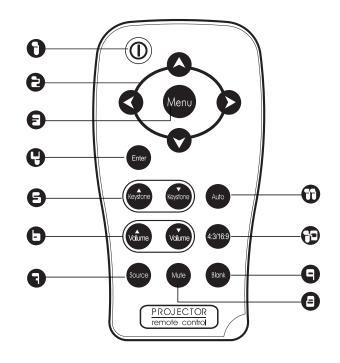


- 1. **USB connector:** This connector is used for engineering purpose.
- 2. AUDIO input connector: Connect an audio output from video equipment to this jack.
- 3. COMPUTER IN (D-SUB) connector: Connect image input signal (analog) to this connector.
- 4. S-VIDEO connector: Connect S-Video output from video equipment to this jack.
- 5. **VIDEO connector:** Connect composite video output from video equipment to this jack.



## Remote contros components

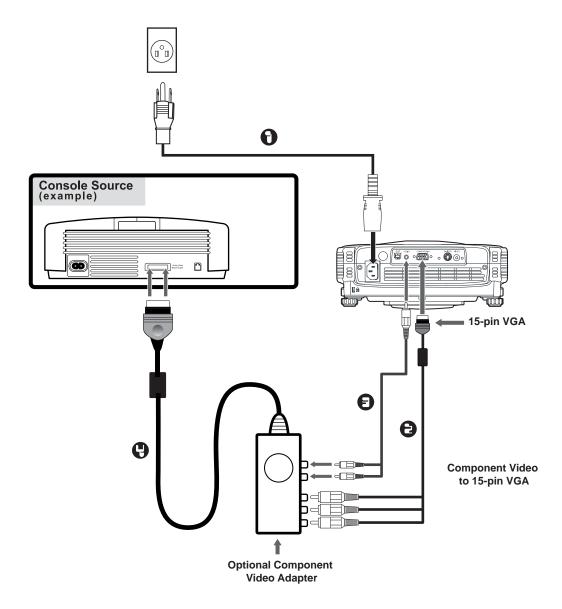
- 1. Power button
- 2. Four direction buttons
- 3. Menu button
- 4. Enter button
- 5. Keystone ⁄ buttons
- 6. Volume ⁄ buttons
- 7. Source button
- 8. Mute button
- 9. Blank button
- 10. 4:3/16:9 button
- 11. Auto button



### installation connecting the projector

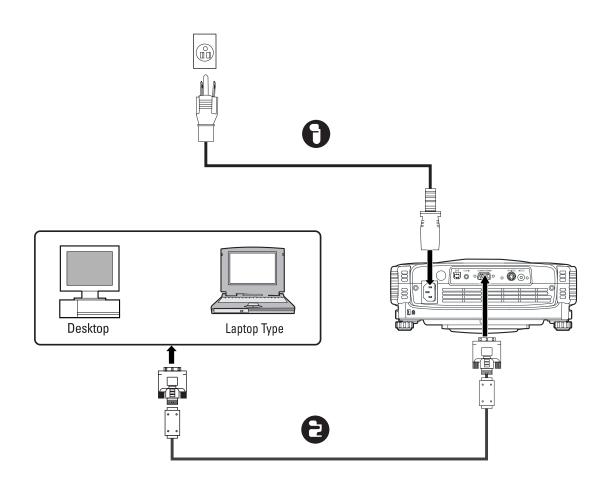
#### A. connecting to a console

- 1. AC Power Cord
- 2. VGA Cable to Component Video Adapter
- 3. Component Video Adadpter to Console



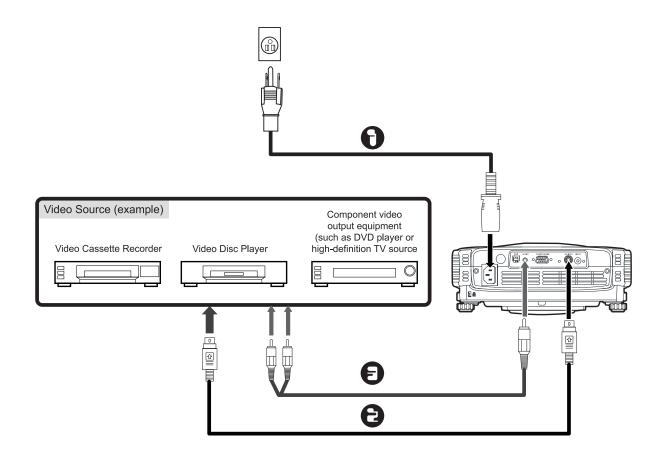
#### B. connecting to a computer

- 1. AC Power Cord
- 2. VGA Cable (D-SUB to D-SUB)



#### **c. connecting to a video source** connecting with s-video case

- 1. AC Power Cord
- 2. S-Video Cable
- 3. Audio Cable



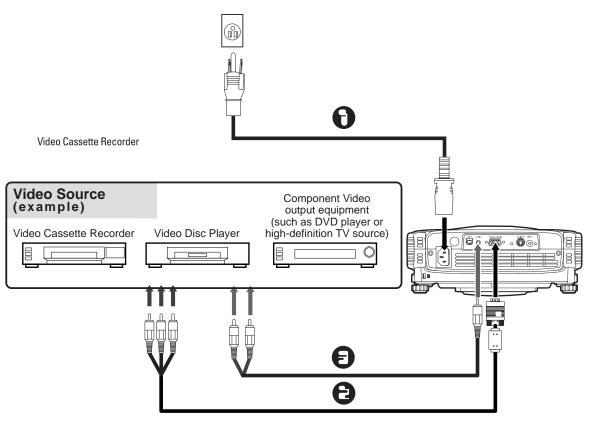
#### a connecting with composite viaco cause

- 1. AC Power Cord
- 2. Composite Video Cable
- 3. Audio Cable

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Video Source (example) Video Cassette Recorder	Component video output equipment (such as DVD player or high-definition TV source	
	<b>F</b>	

#### e. connecting with Hptv casse

- 1. AC Power Cord
- 2. D-SUB to HDTV Cable
- 3. Audio Cable





• When connecting cable, power cords of both a projector and external equipment should be disconnected from AC outlet.

# Powering on the projector:

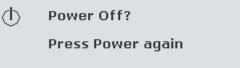
- 1. Remove the projector lens cap.
- 2. Complete the AC power cord and peripheral signal cable(s) connections.
- 3. Press the button on the Projector Control Panel or the Power button on the Remote Control to turn on the power.
- 4. Turn on your source (computer, notebook, DVD, etc.). The projector automatically detects your source.
  - If the "Searching for source" message appears on the screen, ensure that the appropriate signal cable(s) are securely connected.
  - If you are connecting multiple sources to the projector simultaneously, press the SOURCE button on the Projector Control Panel or the Source button on the Remote Control to select the desired source.

#### uarning:

• Never look into the lens when the lamp is on. This can damage your eyes. It is especially important that children are not allowed to look into the lens.

### powering off the projector:

1. Press the button on the Projector Control Panel or the Power button on the Remote Control. A message will appear on the screen:



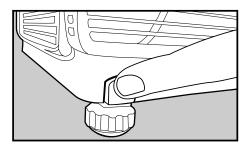
2. Press the button on the Projector Control Panel or the Power button on the Remote Control again to turn off the power. Wait until the lamp LED indicator turns off.

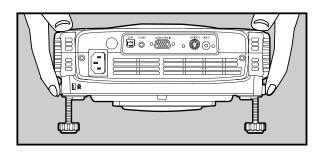


• Please wait until the fan motor and the lamp LED turn off before removing the AC power cord from the projector.

## najusting the projected image

negulating the progestor Height





To raise the projector:

- 1. Lift up the rear side of the projector, and press the foot adjuster buttons on the two sides.
- 2. Raise the projector to the desired display height, and then release the buttons to lock the foot adjusters into position.

To lower the projector:

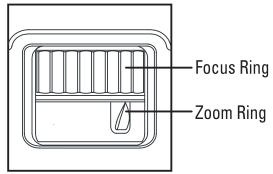
- 1. Lift up the rear side of the projector, and press the foot adjuster buttons on the two sides.
- 2. Lower the projector, and then release the buttons to lock the foot adjusters into position.



• You may turn the foot adjuster to make fine adjustment of the height.

 To avoid damaging the projector, make sure that the foot adjuster is fully retracted before placing the projector in its carrying case.

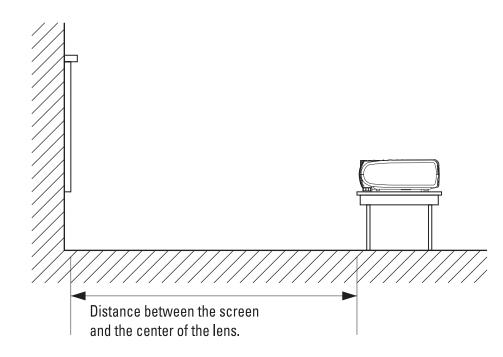
## neguating the projector soom and rocus



- Adjust the image size by rotating the zoom ring. Rotate to the right to reduce the image. Rotate to the left to enlarge the image.
- 2. Focus the image by rotating the focus ring. A still image is recommended for focusing.

### najusting projection image size

Refer to the graphic and table below to determine the screen size and projection distance.



Projection Distance	4:3 Screen Size -Diagonal (inch)		16:9 Screen Size-Diagonal (inch)	
(m)	Wide	Tele	Wide	Tele
1.2	33.0	27.5	30.2	25.2
1.5	41.2	34.3	37.8	31.5
2	55.0	45.8	50.4	42.0
2.2	60.5	50.4	55.5	46.2
3	82.5	68.7	75.7	63.1
4	110.0	91.6	100.9	84.1
5	137.5	114.5	126.2	105.1
6	165.0	137.5	151.4	126.2
7	192.5	160.4	176.6	147.2
8	220.0	183.3	201.9	168.2
9	247.5	206.2	227.1	189.3
10	275.0	229.1	252.4	210.3

\* This table is for user reference only.



- Position the projector in a horizontal position; other positions can cause heat build-up and damage to the projector.
- Make sure the heat ventilation holes are not blocked. Do not use the projector in a smoky environment. Smoke residue maycause buildup on critical parts (i.e. DMD, lens assembly, etc.).

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ON\OFF

AUTO

MENU\ENTER

### using the provestor sontros papes

#### LED

- 1. POWER (Power LED indicator) Refer to "Indicator Messages".
- 2. LAMP (Lamp LED indicator) Refer to "Indicator Messages".

### **Button Function**

1. **O** Refer to "Powering On/Off the Projector".

2. MENU\ENTER

Press the MENU/ENTER button to activate the OSD (On-Screen Display) menu. Use the directional buttons and MENU/ENTER button to navigate through the OSD (On-Screen Display) menu and select choices.

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POWER

LAMP

SOURCE

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KEYSTONE

#### 3. KEYSTONE (▲/▼)

Adjusts image distortion caused by tilting the projector.

#### 4. AUTO (►)

Automatically adjusts frequency and phase.

#### 5. Four direction buttons

The four direction buttons ◀►▲▼ can be used to scroll through OSD (On-Screen Display) menus and make adjustments.

#### 6. SOURCE (◀)

Manually selects an input source.

## Remote contros

#### 1. Power

Refer to "Powering On/Off the Projector".

#### 2. Four direction buttons

The four direction buttons ◀►▲ ▼ can be used to scroll through OSD (On-Screen Display) menus and make adjustments.

#### 3. Menu

Press the Menu button to activate the OSD (On-Screen Display) menu. Use the directional buttons and Menu button to navigate through the OSD (On-Screen Display) menu.

#### 4. Enter

Confirms the selection

#### 5. Keystone ▲ ▼

Adjusts image distortion caused by tilting the projector.

#### 6. Volume ▲ ▼

Press the Volume ▲ button to increase the volume press the Volume ▼ button to reduce the volume.

#### 7. Source

Manually selects an input source.

#### 8. Mute

Cuts off the sound temporarily.

#### 9. Blank

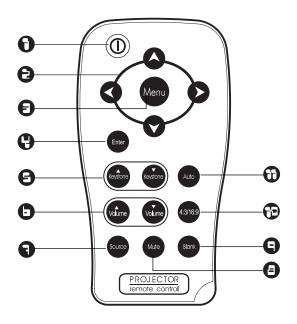
Cuts off the screen temporarily.

#### 10. 4:3/16:9

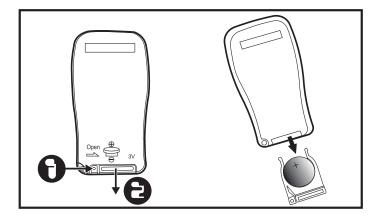
Press the 4:3/16:9 to switch the image aspect ratio from 4:3 to 16:9.

#### 11. Auto

Automatically adjusts frequency and phase.



## Battery Replacement



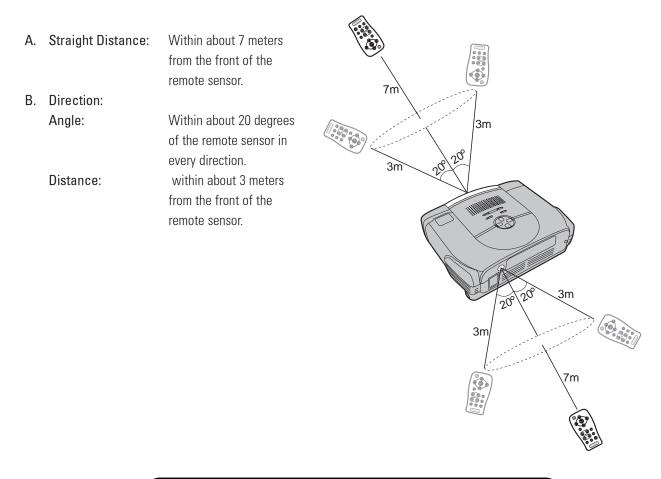
- 1. Push and slide the battery compartment lid in the direction shown.
- 2. Install a battery as indicated by the diagram inside the compartment.
- 3. Position the lid over the compartment and snap it back into place.



)	€	Keep the battery out of the reach of children. There is a danger of death by accidentally swallowing the battery.	
	⊚	Do not recharge the used battery or expose the battery to fire or water.	
	€	Do not dispose of the used battery along with household waste. Dispose of used batteries according to local regulations.	
	۲	Avoid excessive heat and humidity. Danger of explosion may happen if a battery is incorrectly replaced. Replace only with the same type recommended by the manufacturer.	

## Remote control operation

Point the remote control at the infrared remote sensor and press a button.



NOTE	<ul> <li>The remote control may not operate when there is sunlight or other strong light such as a fluorescent lamp shining on the remote sensor.</li> <li>Operate the remote control from a position where the remote sensor is visible.</li> </ul>
	<ul> <li>Do not drop the remote control or jolt it.</li> <li>Keep the remote control out of locations with excessively high temperature or humidity.</li> </ul>
	<ul><li>Do not get water on the remote control or place wet objects on it.</li><li>Do not disassemble the remote control.</li></ul>

## menu options

The projector has multi-language OSD (On-Screen Display) menus that can only be displayed when an input source is present. The menus can be accessed using either the Projector Control Panel or the Remote Control.

The OSD (On-Screen Display) menus allow you to make image adjustments and change a variety of settings. If source is a computer, the OSD (On-Screen Display) allows changes to the Display tab. When using a video source, the OSD (On-Screen Display) allows changes to the Video tab. The projector automatically detects the source.



- 1. Press the **MENU\ENTER** button on the Projector Control Panel or the Menu button on the Remote Control.
- 2. Select the menu tab with the <> buttons either on the Projector Control Panel or the Remote Control.
- 3. Select the desired menu option item with the ▲ ▼ buttons either on the Projector Control Panel or the Remote Control.

• To enter its respective sub-menu, refer to each menu option section for more details.

- 4. To exit from the menu:
  - On the Projector Control Panel: Go back to main menu tab with the ▲ ▼ buttons, and press the MENU\ENTER button.
  - On the Remote Control: press the **MENU** button.



• The illustrations in this manual are for the purpose of explanation and may differ from the actual setting of your projector.

### 10 A C E

	Contrast     O     50	
	Brightness * 50	
	Keystone     So	
	🐵 Aspect Ratio 📑 📬 😭	
	Blank Screen     Black	
	🖲 Gamma 🕊 RGB	
	White Peaking 10	
	🔹 Color Temperature 🔒 🌡 🌡 Mid	
	Red	
	📀 Green 🔒 💶 50	
	🔹 Blue 🔒 💶 🚽 50	
Option Contrast Brightness	<ul> <li>Actions/Descriptions</li> <li>Controls the degree of difference between the lightes and darkest parts of the picture. Adjusting the contrast changes the amount of black and white in the image.</li> <li>Select the desired setting with the ◄ ▷ buttons:</li> <li>Press the ◄ button to decrease the contrast.</li> <li>Press the ▷ button to increase the contrast.</li> <li>Adjusts the brightness of the image.</li> <li>Select the desired setting with the ◄ ▷ buttons:</li> <li>Press the ▷ button to lighten the image.</li> <li>Press the ▷ button to darken the image.</li> </ul>	
Keystone	<ul> <li>Adjusts image distortion caused by tilting the projector.</li> <li>Select the desired setting with the ◄ ► buttons:</li> <li>Press the ◄ button to reduce the upper width.</li> <li>Press the ► button to reduce the lower width.</li> </ul>	
Aspect Ratio	Selects this function to fit 1:1, 16:9, 4:3 aspect ratio. In order to use t 1:1 aspect ratio, the input must be a computer signal (through VGA cable) of resolution less than SVGA (800 x 600). If the input signal is computer signal greater than SVGA or component 1080i / 720p, only 16:9 or 4:3 aspect ratio will be available.	а

	<ul> <li>Select the desired setting with the &lt; ► buttons:</li> <li>1:1: The input source will be displayed without scaling</li> <li>16:9: The input source will be displayed in wide screen mode (16:9) without scaling. The source will be scaled to fit the width of the screen.</li> <li>4:3: The input source will be scaled to fit the screen.</li> </ul>
Blank Screen	<ul> <li>Blanks the screen temporarily, and selects the screen color when Blank Screen is active.</li> <li>Select the desired setting with the ◄ ► buttons:</li> <li>White</li> <li>Black</li> <li>Blue</li> <li>Gray</li> <li>Red</li> <li>Green</li> <li>Yellow</li> <li>Cyan</li> <li>Magenta</li> </ul>
Gamma	<ul> <li>Selects Gamma Mode.</li> <li>Select the desired setting with the &lt; ► buttons:</li> <li>Film : Dark video image mode</li> <li>Photographic: Computer photo mode</li> <li>RGB: Computer text mode</li> <li>Video : Common video mode</li> </ul>
White Peaking	<ul> <li>White Peaking can be adjusted between 0 and 10.</li> <li>Select the desired setting with the ◄ ► buttons:</li> <li>Setting 10 will maximize the brightness.</li> </ul>

Setting 10 will maximize the brightness.
Setting 0 will maximize color reproduction quality.

# 0 ประการ กลุกปละ

Color Temperature	<ul> <li>Adjusts the color temperature. With the higher temperature, the screen looks colder; with the lower temperature, the screen looks warmer. Red, Green and Blue mode activate only if the Color Temperature is set to "User".</li> <li>Select the desired setting with the ◄► buttons:</li> <li>Hi</li> <li>Mid</li> <li>Low</li> <li>User</li> </ul>
Red	<ul> <li>Manually adjusts red.</li> <li>Select the desired setting with the ◄ ► buttons:</li> <li>Press the ◄ button to decrease the color temperature.</li> <li>Press the ► button to increase the color temperature.</li> </ul>
Green	<ul> <li>Manually adjusts green.</li> <li>Select the desired setting with the ◄ ► buttons:</li> <li>Press the ◄ button to decrease the color temperature.</li> <li>Press the ► button to increase the color temperature.</li> </ul>
Blue	<ul> <li>Manually adjusts blue.</li> <li>Select the desired setting with the &lt; ► buttons:</li> <li>Press the &lt; button to decrease the color temperature.</li> <li>Press the ► button to increase the color temperature.</li> </ul>

# 0 ประการ กลุกปละ

### 0;420

۲	Saturation		 50
۲	Tint	9	 50
۲	Sharpness		50

Option Saturation	Actions/Descriptions Adjusts a video image from black and white to fully saturated color.
	<ul> <li>Select the desired setting with the ◄ ► buttons:</li> <li>Press the ► button to decrease the amount of color in the image.</li> <li>Press the ◄ button to increase the amount of color in the image.</li> </ul>
Tint	Adjusts the color balance of red and green.
	<ul> <li>Select the desired setting with the &lt; ► buttons:</li> <li>Press the ► button to increase the amount of green in the image.</li> <li>Press the &lt; button to increase the amount of red in the image.</li> </ul>
Sharpness	Adjusts the sharpness of the image.
	<ul> <li>Select the desired setting with the &lt; ► buttons:</li> <li>Press the ► button to decrease the sharpness.</li> <li>Press the &lt; button to increase the sharpness.</li> </ul>

# 0 ประการ กลุกปละ

### DISDE91

۲	Phase	8	50
۲	Tracking		50
۲	H.Position		50
۲	V.Position		50

Option	Actions/Descriptions		
Phase	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.		
	Select the desired setting with the ◄ ► buttons:		
	<ul> <li>Press the &lt; button to decrease the value.</li> </ul>		
	● Press the ► button to increase the value.		
Tracking	Changes the display data frequency to match the frequency of your computer graphic card. If you experience a vertical flickering bar, use the tracking function to make an adjustment. Select the desired setting with the ◄ ► buttons:		
	<ul> <li>Press the &lt; button to decrease the value.</li> </ul>		
	● Press the ► button to increase the value.		
H.Position	Adjusts the horizontal position.		
	Select the desired setting with the $\blacktriangleleft \triangleright$ buttons:		
	<ul> <li>Press the &lt; button to move the image left.</li> </ul>		
	● Press the ► button to move the image right.		
V.Position	Adjusts the vertical position. Select the desired setting with the ◄► buttons:		
	<ul> <li>Press the &lt; button to move the image up.</li> </ul>		
	● Press the ► button to move the image down.		

### 64hguage

۲	English	0
۲	Deutsch	0
۲	简体中文	0
۲	日本語	0
۲	Français	0
۲	Español	0
۲	Português	0
۲	Italiano	0
۲	Русский	0
۲	繁體中文	0

Option Language

### Actions/Descriptions

Selects the language for menu and message displayed. Select the language you prefer with the ▲ ▼ buttons, and confirm the selection with the MENU\ENTER button on the Projector Control Panel or the Enter button on the Remote Control.

- English
- Deutsch
- ▶ 简体中文
- ▶ 日本語
- Français
- Español
- Português
- Italiano
- Русский
- ▶ 繁體中文

### 65546566

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۲	Rear				
۲	Ceiling				
۲	ECO Mode	⋇		OF	F
۲	Lamp Hours	Ø		0_	0
۲	Color Space	4			RGB
۲	Auto Shutdown	U		(	ON
۲	OSD Timeout	Q		<b>Q</b> .	15
۲	Menu Position				
۲	Factory Reset	0			$\checkmark$

Option	Actions/Descriptions			
Auto Source Select	Automatically scans the input source.			
Select	• Press the MENU\ENTER button on the Projector Control Panel or the ENTER button on the Remote Control to active this function.			
Rear	<ul> <li>The image is reversed horizontally.</li> <li>Press the MENU\ENTER button on the Projector Control Panel or the ENTER button on the Remote Control to active this function.</li> </ul>			
Ceiling	<ul> <li>The image is inverted vertically.</li> <li>Press the MENU\ENTER button on the Projector Control Panel or the ENTER button on the Remote Control to active this function.</li> </ul>			
ECO Mode	<ul> <li>Uses this function to dim the projector lamp light output which will lower power consumption and increase lamp life.</li> <li>Select the desired setting with the ◄ ► buttons:</li> <li>ON</li> <li>OFF</li> </ul>			
Lamp Hours	Displays operating hours since lamp timer reset. Lamp hour counter is displayed in read-only format, and this setting cannot be manually adjusted.			

Color Space	<ul> <li>Manually selects signal type.</li> <li>Select the input signal type with the ◄ ► buttons:</li> <li>RGB</li> <li>YCbCr</li> <li>YPbPr</li> </ul>
Auto Shutdown	<ul> <li>Uses this function to automatically turn off the lamp if the projector does not detect an input signal for specified time period (30 minutes).</li> <li>Select the desired setting with the ◄ ► buttons:</li> <li>ON</li> <li>OFF</li> </ul>
OSD Timeout	Duration OSD (On-Screen Display) menu stays active (at idle state by second). Select the desired setting with the < > buttons.
Menu Position	Selects the position of the OSD (On-Screen Display) menu on the screen. Select the desired setting with the ◄ ► buttons.
Factory Reset	Resets the projector to its factory default settings. Press the MENU\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 MENU\ENTER button on the Projector Control Panel or the ENTER button on the Remote Control again.





Option <sub>Volume</sub>

## Actions/Descriptions

Adjusts the volume. Select the desired setting with the ◄ ► buttons: Press the ◄ button to decrease the volume. Press the ► button to increase the volume.

Mute

#### Cuts off the sound temporarily.

Select the desired setting with the ◄ ► buttons:

- ON ON
- OFF

## maintenanse

The projector needs proper maintenance. You should keep the lens clean as dust, dirt or spots will project on the screen and diminish image quality. The only part you could 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 first.

#### warning:

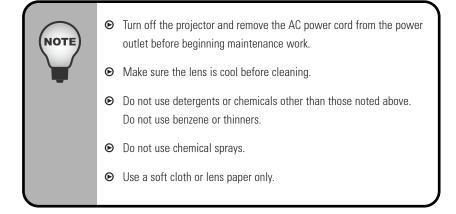
Never open any of the covers on the projector except the lamp cover. Dangerous electrical voltages inside the projector can cause severe injury. Except as specifically indicated in this User's Manual, do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

### 46eaning the Gens

Gently wipe the lens with lens cleaning paper. Do not touch the lens with your hands.

## sceaning the projector Housing

Gently wipe with a soft cloth. If dirt and stains are not easily removed, use a soft cloth damped with water, or water and neutral detergent, and wipe dry with a soft, dry cloth.



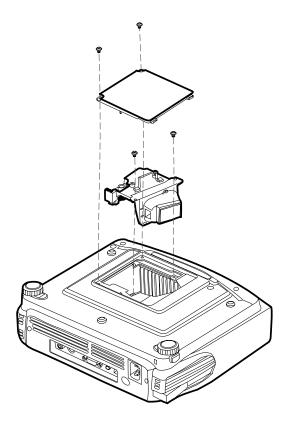
## Repeasing the samp

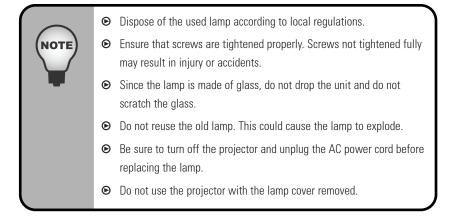
ΝΟΤΙ

Projector lamps have a finite life. Replace the lamp when:

- The image becomes darker and hues become weaker after a lamp has been for a long period of time.
- The projector lamp LED indicator turns into red. Refer to section titled "Indicator Messages" for further details.
  - The lamp becomes high temperature after turning off the projector with the power button. If you touch the lamp, you may scald your finger. When you replace the lamp, wait for at least 45 minutes for the lamp to cool down.
  - Do not touch the lamp glass at any time. The lamp may explode due to improper handling, including the touching of the lamp glass.
  - Lamp lifetime may differ from lamp to lamp and according to the environment of use. There is no guarantee of the same lifetime for each lamp. Some lamps may fail or terminate their lifetime in a shorter period of time than other similar lamps.
  - A lamp may explode as a result of vibration, shock or degradation as a result of hours of use as its lifetime draws to an end. Risk of explosion may differ according to the environment or conditions in which the projector and lamp are being used.
  - Wear protective gloves and eyeglasses when fixing or detaching the lamp.
  - Faster on-off-cycles will damage the lamp and reduce lamp life. Wait at least for 5 minutes to turn off the projector after powering on.
  - Do not operate the lamp in proximity to paper, cloth, or other combustible material nor cover it with such materials. Otherwise it could cause a fire.
  - Do not operate the lamp in an atmosphere containing an inflammable substance, such as thinner. Otherwise it could cause a fire or explosion.
  - Thoroughly ventilate the area or the room when operating the lamp in an oxygen atmosphere (in the air). If ozone is inhaled, it could cause headaches, nausea, dizziness, etc.
  - The inorganic mercury is involved in the lamp. If the lamp bursts, the mercury inside the lamp will go out of the projector. Leave the area immediately if the lamp shatters while being operated and ventilate the area for at least 30 minutes in order to avoid the inhalation of mercury fumes. Otherwise it could be harmful to user's health.

- 1. Turn off the projector and unplug the AC power cord.
- 2. Place a protective sheet (cloth) beneath the projector. Turn the projector over so you can access the lamp cover.
- 3. Remove the access panel screws and open the panel.
- 4. Remove the screws on the bottom of the lamp assembly.
- 5. Grasp the lamp handle and pull the lamp assembly directly out of the projector.
- 6. Replace with the new lamp.
- 7. Place back the screws on the bottom of lamp assembly.
- 8. Place the panel and screw back the screws on the lamp cover.





## Technical specifications

Single panel 0.55" DLP projector
480,000 dot x1 (800 x 600 x1)
1500 ANSI Lumens
85%
Manual Zoom (1.2X)
0.80" - 0.95" / 20.2 - 24.2mm
1 (Full on/off)
1:1, 16:9, 4:3
30 - 200 inches
200W
Front, Rear, Ceiling
PAL,NTSC, SECAM
Computer, HDTV, S-Video, Video
31 - 79kHz
50 - 85Hz
108 MHz
Vertical: +/- 15 degrees
D-Sub connector
720p (60Hz), 720p (50Hz), 1080i (60Hz), 1080i (50Hz)
2W x 1
34dB (Typical) and 32dB (in ECO Mode)
Multifunctional
Multilanguage
+5 - +350C
35 - 85%
UL, CE, FCC Class B, VCCI, C-Tick, CCC
AC 100 - 240 V, 50 - 60Hz
250 Watts
10" x 7.96" x 3.86" / 254 x 202 x 98mm
4.5 lbs. / 2.0kg

Note: Design and Specifications are subject to change without prior notice.

#### **ADDENAIX** Indicator messages

LED Type	Color	Status	Meaning	
Power LED:	Green	Flashing	The projector is powered and ready.	
Power LED:	Amber	Solid	The projector system has some problems with its	
			fan, so the projector cannot start up.	
Power LED:	Green	Solid	The projector is in good condition on working.	
Lamp LED:	Green	Solid	The lamp is in good condition and is projecting at	
			maximum brightness.	
Lamp LED:	Amber	Solid	The lamp has reached its end of life and must be	
			changed soon. The lamp will continue to operate	
			until it fails. Change the lamp. If the lamp is off,	
			then the ballast will become malfunction.	
Lamp LED:	Green	Flashing	The projector is shutting down. The fan motor is cooling	
			the lamp for shutdown. Do not unplug the power cable	
			or turn the power switch off before the lamp LED turns	
			off. The fan motor will turn off when the lamp	
			has cooled.	
Lamp LED:	Amber	Flashing	Temperature is too high. The lamp will turn off.	

## Preset signals

Preset signal		fH (kHz)	fV (Hz)	Sync	Size
640 x 480	VGA mode 3	31.469	59.940	H(-), V(-)	800
	VGA VESA 72Hz	37.861	72.809	H(-), V(-)	832
	VGA VESA 75Hz	37.500	75.000	H(-), V(-)	840
	VGA VESA 85Hz	43.269	85.008	H(-), V(-)	832
800 x 600	SVGA VESA 56Hz	35.156	56.250	H(+), V(+)	1024
	SVGA VESA 60Hz	37.879	60.317	H(+), V(+)	1056
	SVGA VESA 72Hz	48.077	72.188	H(+), V(+)	1040
	SVGA VESA 75Hz	46.875	75.000	H(+), V(+)	1056
	SVGA VESA 85Hz	53.674	85.061	H(+), V(+)	1048
1024 x 768	XGA VESA 60Hz	48.363	60.004	H(-), V(-)	1344
	XGA VESA 70Hz	56.476	70.069	H(-), V(-)	1328
	XGA VESA 75Hz	60.023	75.029	H(+), V(+)	1312
	XGA VESA 85Hz	68.677	84.997	H(+), V(+)	1376
1152 x 864	SXGA VESA 70Hz	63.995	70.016	H(+), V(+)	1472
	SXGA VESA 75Hz	67.500	75.000	H(+), V(+)	1600
	SXGA VESA 85Hz	77.487	85.057	H(+), V(+)	1568
1280 x 960	SXGA VESA 60Hz	60.000	60.000	H(+), V(+)	1800
	SXGA VESA 75Hz	75.000	75.000	H(+), V(+)	1680
1280 x 1024	SXGA VESA 60 Hz	63.981	60.020	H(+), V(+)	1688

## HPTU Preset signals

Preset Signals	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
480i	15.8kHz	60Hz
480p	31.5kHz	60Hz
576i	15.6kHz	50Hz
576p	31.3kHz	50Hz
720p	45.0kHz	60Hz
720p	37.5kHz	50Hz
1080i	33.8kHz	60Hz
1080i	28.1kHz	50Hz

Note: Specifications are subject to change without notice.



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