

Acer Projector

PL6820/FL281/LU-P501K/PF-L501K/
LR861/ML-861/

PL6620/FL261/LU-P501U/PF-L501U/
LR661/ML-561/

PL6520/FL251/LU-P501F/PF-L501F/
LR561/ML-461/

D4K2404/DWU2414/D1P2403/
User's Guide

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Acer Projector User's Guide
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Record the model number, serial number, purchase date and place of purchase information in the space provided below. The serial number and model number are recorded on the label affixed to your projector. All correspondence concerning your unit should include the serial number, model number and purchase information.

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Model number: _____

Serial number: _____

Date of purchase: _____

Place of purchase: _____

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Information for your safety and comfort

Read these instructions carefully. Keep this document for future reference. Follow all warnings and instructions marked on the product.

Turning the product off before cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Caution for plug as disconnecting device

Observe the following guidelines when connecting and disconnecting power to the external power supply unit:

- Install the power supply unit before connecting the power cord to the AC power outlet.
- Unplug the power cord before removing the power supply unit from the projector.
- If the system has multiple sources of power, disconnect power from the system by unplugging all power cords from the power supplies.

Caution for Accessibility


Be sure that the power outlet you plug the power cord into is easily accessible and located as close to the equipment operator as possible. When you need to disconnect power to the equipment, be sure to unplug the power cord from the electrical outlet.

Warning!

- Do not use this product near water.
- Do not place this product on an unstable cart, stand or table. If the product falls, it could be seriously damaged.
- Slots and openings are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface.
- This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
- Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind onto or into the product.
- To avoid damage of internal components and to prevent battery leakage, do not place the product on a vibrating surface.
- Never use it under sporting, exercising, or any vibrating environment which will probably cause unexpected short current or damage rotor devices.

Using electrical power

- This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
- Do not allow anything to rest on the power cord. Do not locate this product where people will walk on the cord.
- If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.
- Do not overload a power outlet, strip or receptacle by plugging in too many devices. The overall system load must not exceed 80% of the branch circuit rating. If power strips are used, the load should not exceed 80% of the power strip's input rating.
- This product's AC adapter is equipped with a three-wire grounded plug. The plug only fits in a grounded power outlet. Make sure the power outlet is properly grounded before inserting the AC adapter plug. Do not insert the plug into a non-grounded power outlet. Contact your electrician for details.

 **Warning!** The grounding pin is a safety feature. Using a power outlet that is not properly grounded may result in electric shock and/or injury.

Note: *The grounding pin also provides good protection from unexpected noise produced by other nearby electrical devices that may interfere with the performance of this product.*

- Use the product only with the supplied power supply cord set. If you need to replace the power cord set, make sure that the new power cord meets the following requirements: detachable type, UL listed/CSA certified, VDE approved or its equivalent, 4.5 meters (15 feet) maximum length.


Product servicing

Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.

Unplug this product from the wall outlet and refer servicing to qualified service personnel when:

- the power cord or plug is damaged, cut or frayed
- liquid was spilled into the product
- the product was exposed to rain or water
- the product has been dropped or the case has been damaged
- the product exhibits a distinct change in performance, indicating a need for service
- the product does not operate normally after following the operating instructions

Note: *Adjust only those controls that are covered by the operating instructions, since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.*

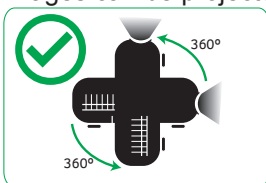
 **Warning!** For safety reasons, do not use non-compliant parts when adding or changing components. Consult your reseller for purchase options.

Your device and its enhancements may contain small parts. Keep them out of the reach of small children.

Additional safety information

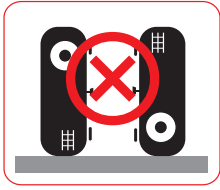
- Do not look into the projector's lens when the light is on. The bright may hurt your eyes.
- Turn on the projector first and then signal sources
- Do not place the product in following environments:
 - Space that is poorly ventilated or confined. At least 50cm clearance from walls and free flow of air around the projector is necessary.
 - Locations where temperatures may become excessively high, such as inside of a car with all windows rolled up.
 - Locations where excessive humidity, dust, or cigarette smoke may contaminate optical components, shortening the life span and darkening the image.
 - Locations near fire alarms.
 - Locations with an ambient temperature above 40°C / 104°F.
 - Locations where the altitudes are higher than 10000 feet.
- Unplug immediately if there is something wrong with your projector. Do not operate if smoke, strange noise or odor comes out of your projector. It might cause fire or electric shock. In this case, unplug immediately and contact your dealer.
- Do not keep using this product to break or drop it. In this case contact your dealer for inspection.
- Do not face the projector lens to the sun. It can lead to fire.
- When switching the projector off, suggest to ensure the projector completes its cooling cycle before disconnecting power.
- Do not frequently turn off the main power abruptly or unplug the projector during operation. The best way is to wait for the fan to turn off before turning main power off.
- Do not touch air outlet grille and bottom plate which becomes hot.
- Do not look into the air outlet grille when projector is operating. It may hurt your eyes.
- Always open the lens shutter or remove the lens cap when the projector is on.
- Do not block the projector lens with any object when the projector is under operation as this could cause the object to become heated and deformed or even cause a fire.
- Do not attempt to disassemble this projector. There are dangerous high voltages inside which may hurt you. Refer servicing only to suitable qualified professional service personnel.
- Do not stand the projector on end vertically. It may cause the projector to fall over, causing injury or damage.
- 360° projection capability

Images can be projected over a full 360° range along the vertical axis, including reproduction on a ceiling or floor.



Portrait projection

Do not use the projector with it leaning to the left and right. This may result in a malfunction, however, portrait installation is possible.



Note:

- Please do not install the projector in a vertical orientation on the top of the floor or table on its own. The intake vent may be obstructed, resulting in the projector getting warm and the possibility of fire and malfunction occurring.
- When operating the projector in an enclosed space, allow at least 30 cm clearance around the intake and exhaust vents.

Caution for Listening

To protect your hearing, follow these instructions.

- Increase the volume gradually until you can hear clearly and comfortably.
- Do not increase the volume level after your ears have adjusted.
- Do not listen to music at high volumes for extended periods.
- Do not increase the volume to block out noisy surroundings.
- Decrease the volume if you can't hear people speaking near you.

Disposal instructions



Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle. For more information on the Waste from Electrical and Electronics Equipment (WEEE) regulations, visit <http://www.acer-group.com/public/Sustainability/sustainability01.htm>

Do not stare into the beam



Laser Notice

IEC 60825-1:2014, EN 60825-1:2014 + A11:2021: CLASS 1 LASER PRODUCT - RISK GROUP 2.

The product's intended use as a consumer laser product and compliant with EN 50689:2021.

CLASS 1 CONSUMER LASER PRODUCT

EN 50689:2021

Do not stare into beam, RG2

As with any bright source, do not stare into the direct beam, RG2 IEC 62471-5:2015.

WARNING: MOUNT ABOVE THE HEADS OF CHILDREN!
Do not look into the beam less than 1m.
No direct eye exposure to the beam is permitted.

"AVERTISSEMENT: INSTALLER AU-DESSUS DE LA TETE DES ENFANTS."
Avertissement supplémentaire contre l'exposition oculaire pour des expositions à une distance de moins de 1m.

「警告：安裝高於兒童頭頂！」
請勿在距離小於1米的範圍內直視光束，嚴禁眼睛直接暴露於光束中。

「警告：安裝高於兒童頭頂！」
請勿在距離小於1米的範圍內直視光束，嚴禁眼睛直接暴露於光束中。



- Notice is given to supervise children and to never allow them to stare into the projector beam at any distance from the projector.
- Notice is given to use caution when using the remote control for starting the projector while in front of the projection lens
- Notice is given to the user to avoid the use of optical aids such as binoculars or telescopes inside the beam.

First things first

Usage Notes

Do:

- Turn off the product before cleaning.
- Use a soft cloth moistened with mild detergent to clean the displayhousing.
- 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:
 - In extremely hot, cold or humid environments.
 - In areas susceptible to excessive dust and dirt.
 - Near any appliance that generates a strong magnetic field.
 - Place In direct sunlight.

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 projector's lens when the light is on. The bright may hurt your eyes.
- To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.
- Please do not open or disassemble the product as this may cause electric shock.
- When switching the projector off, please ensure the projector completes its cooling cycle before disconnecting power.
- Turn on the projector first and then the signal sources.
- Do not use lens cap when projector is in operation.

Cleaning the lens

- Before cleaning the lens, be sure to turn off the projector and unplug the power cord to allow it to completely cool down.
- Use a compressed air tank to remove the dust.
- Use a special cloth for cleaning lens and gently wipe the lens. Do not touch the lens with your fingers.
- Do not use alkaline/acid detergents or volatile solvents such as alcohol for cleaning lens. If the lens is damaged due to the cleaning process, it is not covered by the warranty.

 **Warning!** Do not use a spray containing flammable gases to remove dust or dirt from the lens. This may cause a fire due to excessive heat inside the projector.

 **Warning!** Do not clean the lens if the projector is warming up as this may cause the lens' surface film to peel off.

 **Warning!** Do not wipe or tap the lens with a hard object.

Spec label location

- Spec label location are placed the following locations:

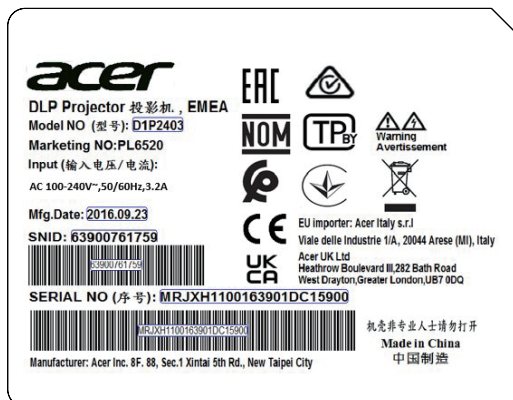
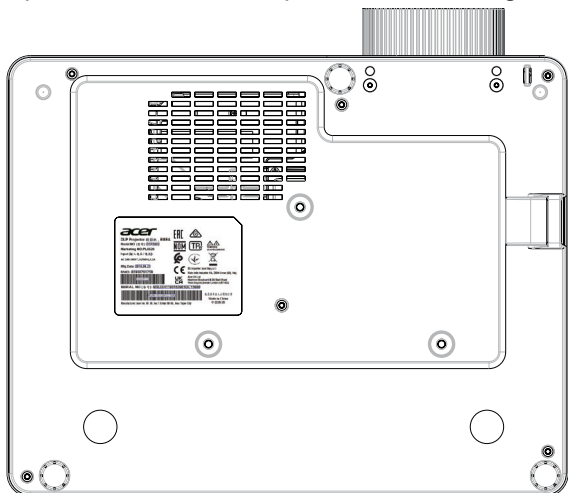


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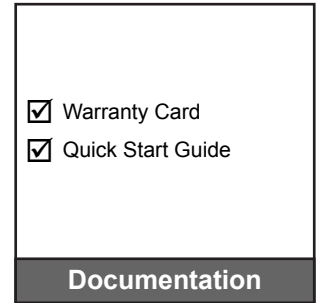
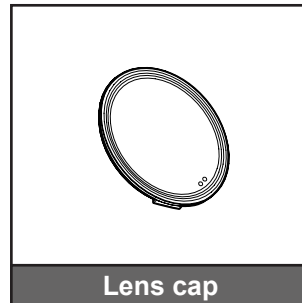
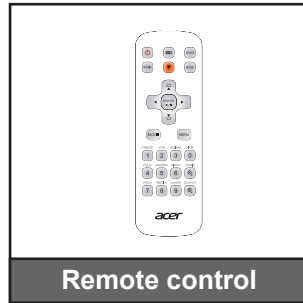
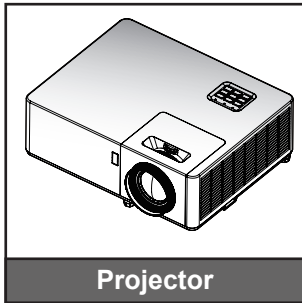
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Package Overview

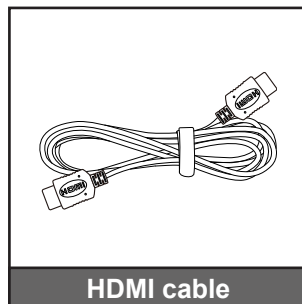
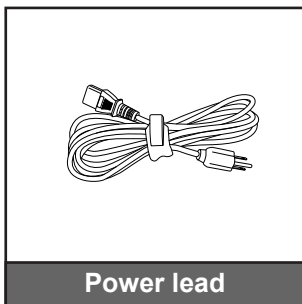
Carefully unpack and verify that you have the items listed below under standard accessories. Some of the items under optional accessories may not be available depending on the model, specification and your region of purchase. Please check with your place of purchase. Some accessories may vary from region to region.

The warranty card is only supplied in some specific regions. Please consult your dealer for detailed information.

Standard accessories



Optional accessories

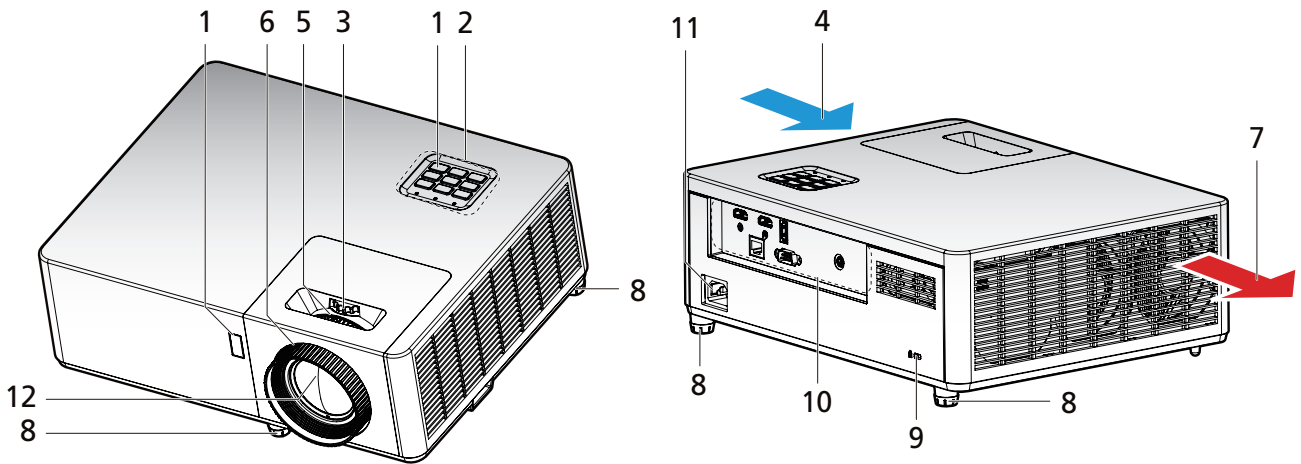


Note:

- *Optional accessories vary depending on model, specification and region.*

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Product Overview



Note:

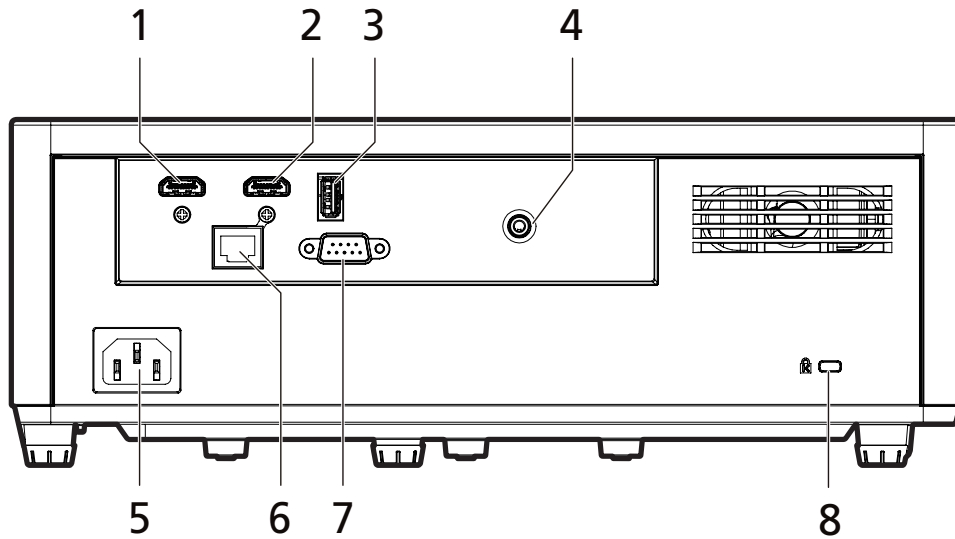
- Do not block projector intake and exhaust vents.
- When operating the projector in an enclosed space, allow at least 30 cm clearance around the intake and exhaust vents.
- Functions vary depending on model definition.

No.	Item	No.	Item
1.	IR Receivers	7.	Ventilation (outlet)
2.	Keypad	8.	Tilt-Adjustment Feet
3.	Lens Shift Dial	9.	Kensington™ Lock Port
4.	Ventilation (inlet)	10.	Input / Output
5.	Zoom Lever	11.	Power Socket
6.	Focus Ring	12.	Lens

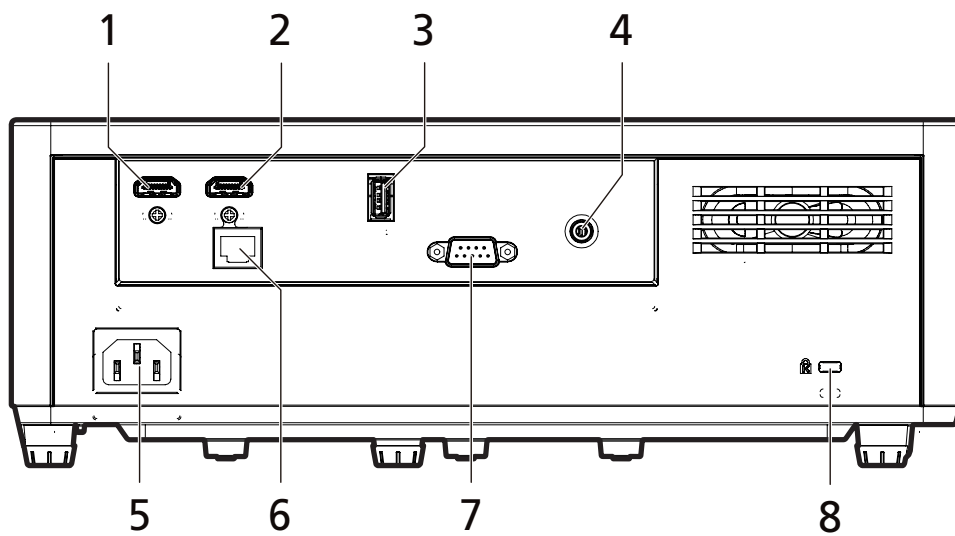
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Connections

1080P/WUXGA



4K

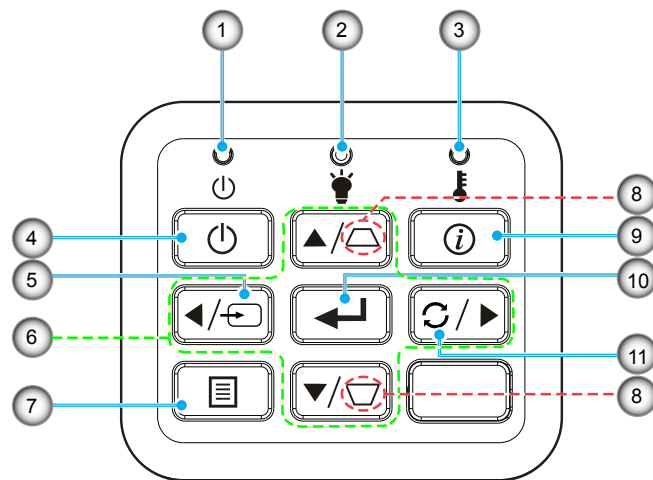


No.	Item
1.	HDMI 2 Connector
2.	HDMI 1 Connector
3.	DC 5V out (service) Connector
4.	Audio out Connector
5.	Power Socket
6.	LAN (RJ45) Connector
7.	RS232 Connector
8.	Kensington™ Lock Port

Note: Functions vary depending on model definition.

INTRODUCTION

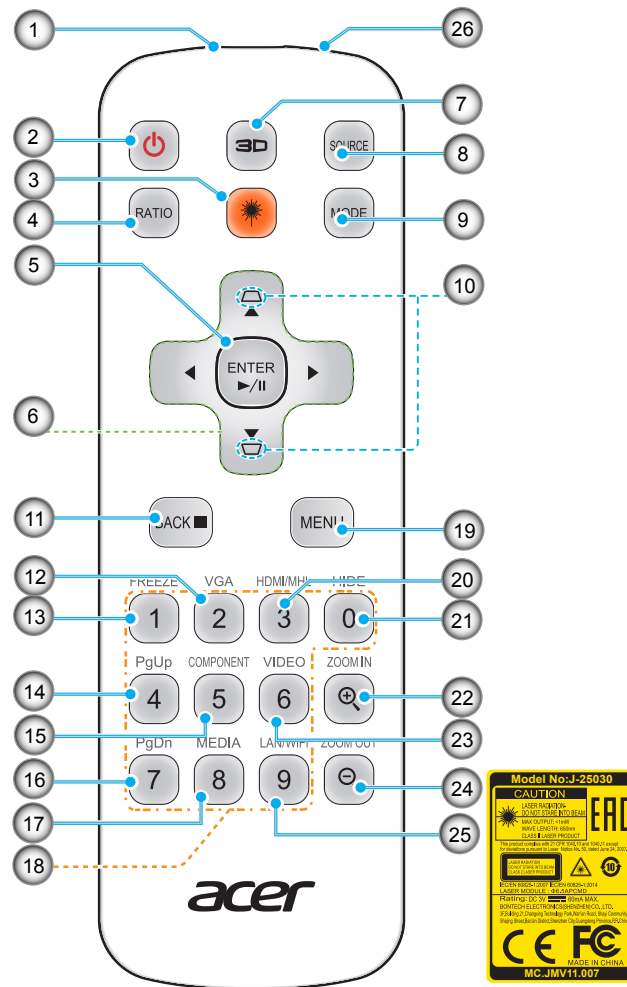
Keypad



No.	Item	No.	Item
1.	Power LED	7.	Menu
2.	Lamp LED	8.	Keystone Correction
3.	Temp LED	9.	Information
4.	Power	10.	Enter
5.	Source	11.	Re-Sync
6.	Four directional select keys		

INTRODUCTION

Remote control



No.	Item	No.	Item
1.	Infrared transmitter	14.	PgUp (not supported)
2.	POWER	15.	COMPONENT (not supported)
3.	Laser button	16.	PgDn (not supported)
4.	RATIO	17.	MEDIA (not supported)
5.	Select/Enter Play/Pause	18.	KeyPad 0~9
6.	Four directional select keys	19.	MENU
7.	3D	20.	HDMI™/MHL
8.	SOURCE	21.	HIDE
9.	MODE	22.	ZOOM IN
10.	KEYSTONE	23.	VIDEO
11.	BACK STOP	24.	ZOOM OUT
12.	VGA	25.	LAN/WiFi
13.	FREEZE	26.	Laser pointer

Note: Some keys may have no function for models that do not support these features.

INTRODUCTION

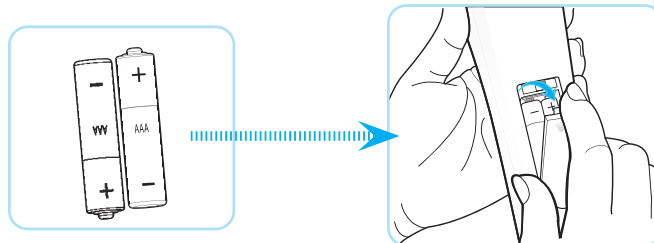
Safety precautions and maintenance

Caution (Applicable models with battery)

- Replacement of a battery with an incorrect type that can defeat a safeguard;
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion;
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas;
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.
- Risk of fire or explosion if the battery is replaced by an incorrect type
- Do not ingest battery, Chemical Burn Hazard.
- Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

To install or replace batteries:

1. Press and then slide the cover to open it.
2. Align the batteries according to the (+) and (-) indications inside the battery compartment.
3. Replace the cover.



Note: The incorrect use of batteries can result in leaks or bursting. Be sure to follow these instructions:

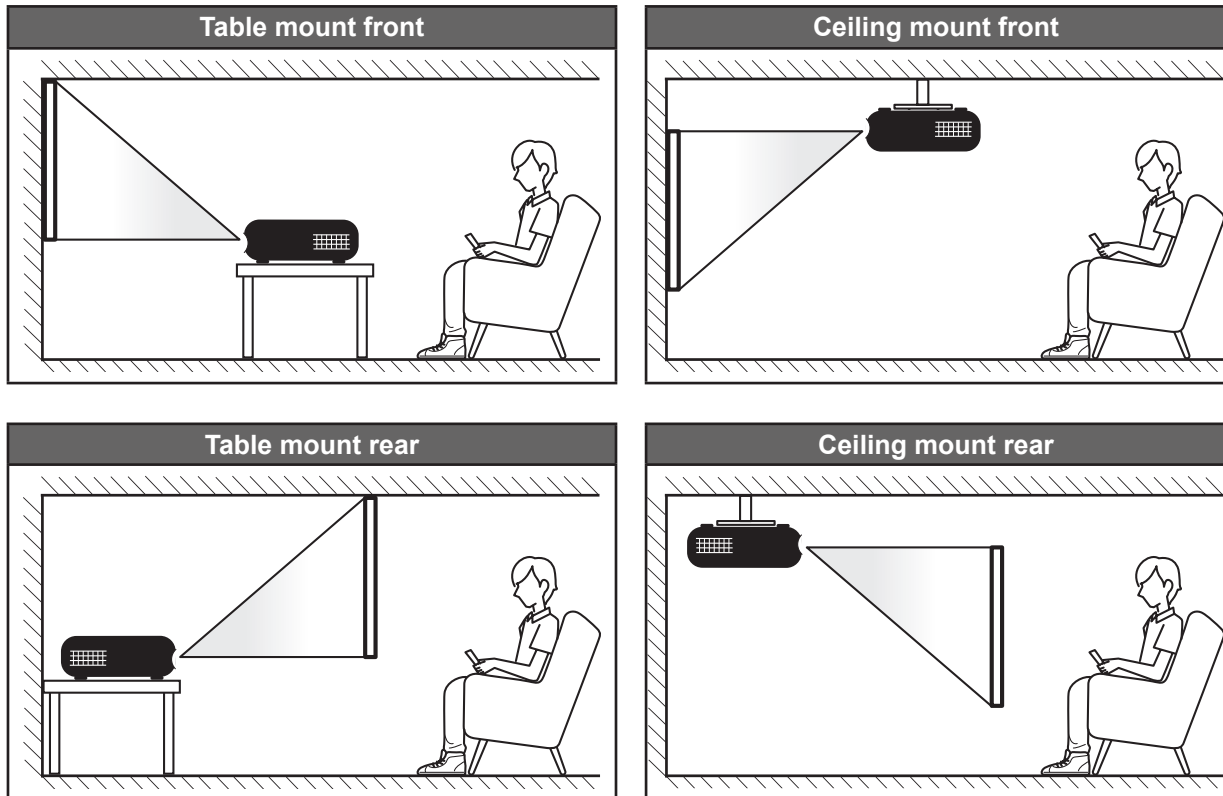
- Place "AAA" batteries matching the (+) and (-) signs on each battery to the (+) and (-) signs of the battery compartment.
- Do not mix battery types.
- Do not combine new batteries with used ones. It causes shorter life or leakage of batteries.
- Remove the dead batteries immediately to prevent them from liquid leaking in the battery compartment.
Don't touch exposed battery acid, as it can damage your skin.
- If you do not intend to use the remote control for a long period, remove the batteries.

SETUP AND INSTALLATION

Installing the projector

Your projector is designed to be installed in one of four possible positions.

Your room layout or personal preference will dictate which installation location you select. Take into consideration the size and position of your screen, the location of a suitable power outlet, as well as the location and distance between the projector and the rest of your equipment.



Projector should be placed flat on a surface and 90 degrees / perpendicular to the screen.

- How to determine projector location for a given screen size, please refer to distance table on pages 48-50.
- How to determine screen size for a given distance, please refer to distance table on pages 48-51.

Note: The further away the projector is placed from the screen the projected image size increases and vertical offset also increases proportionally.

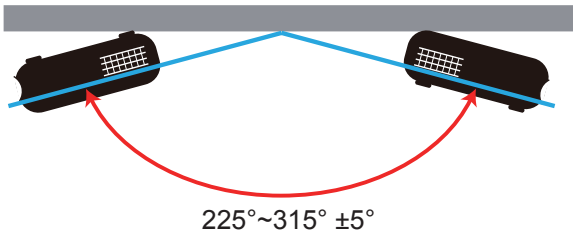
IMPORTANT!

Do not operate the projector in any orientation other than table top or ceiling mount. The projector should be horizontal and not tilted either forwards/backwards or left/right. Any other orientation will invalidate the warranty and may shorten the lifetime of the projector light source or the projector itself. For non standard installation advise please contact Acer.

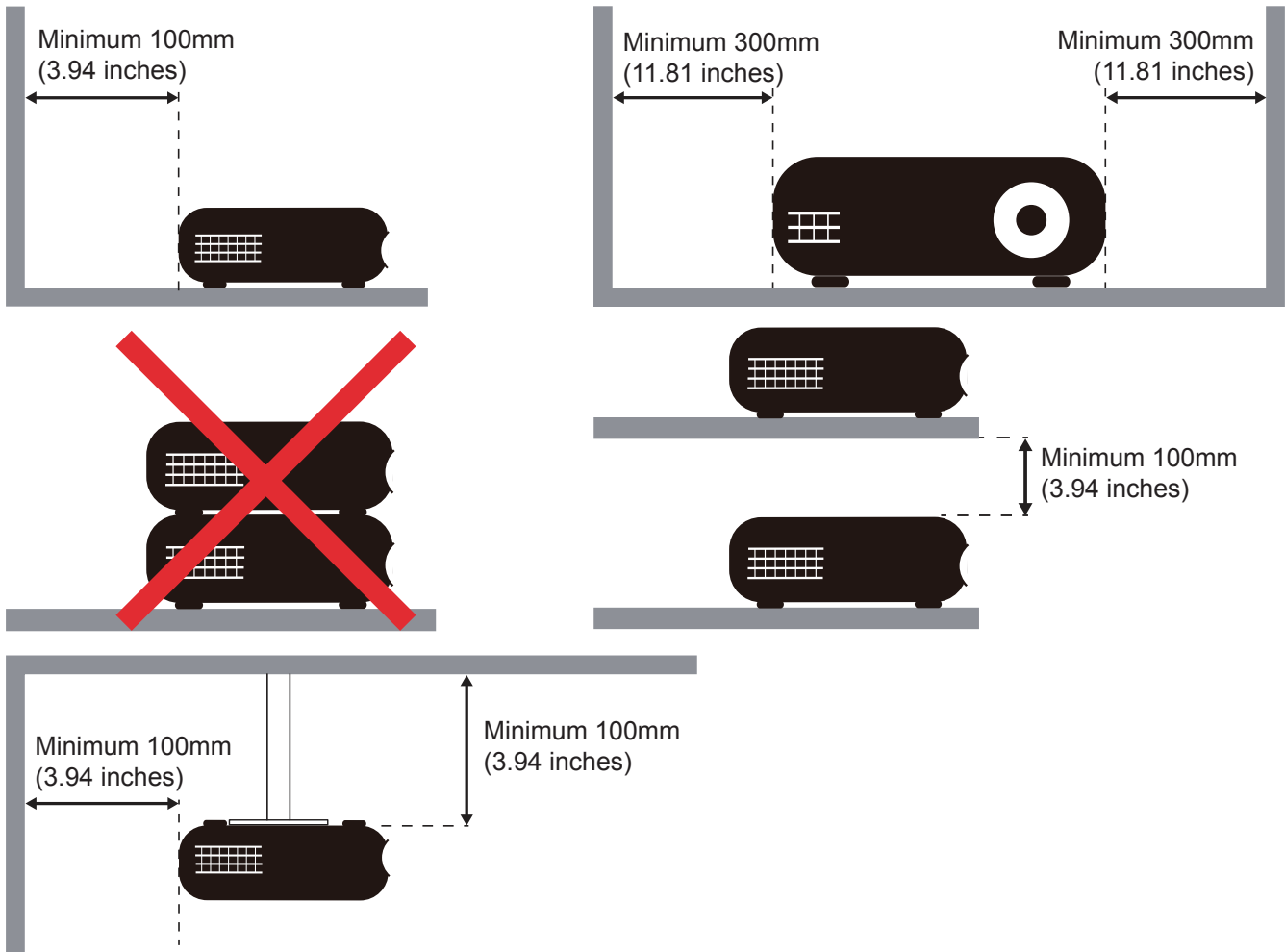
SETUP AND INSTALLATION

Projector installation notice

Note: The brightness will be reduced 80% when the projection direction is downward.



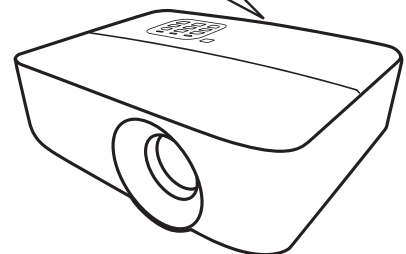
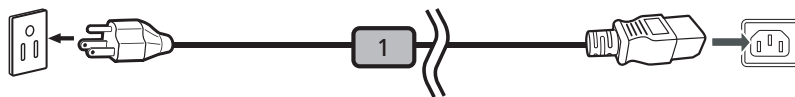
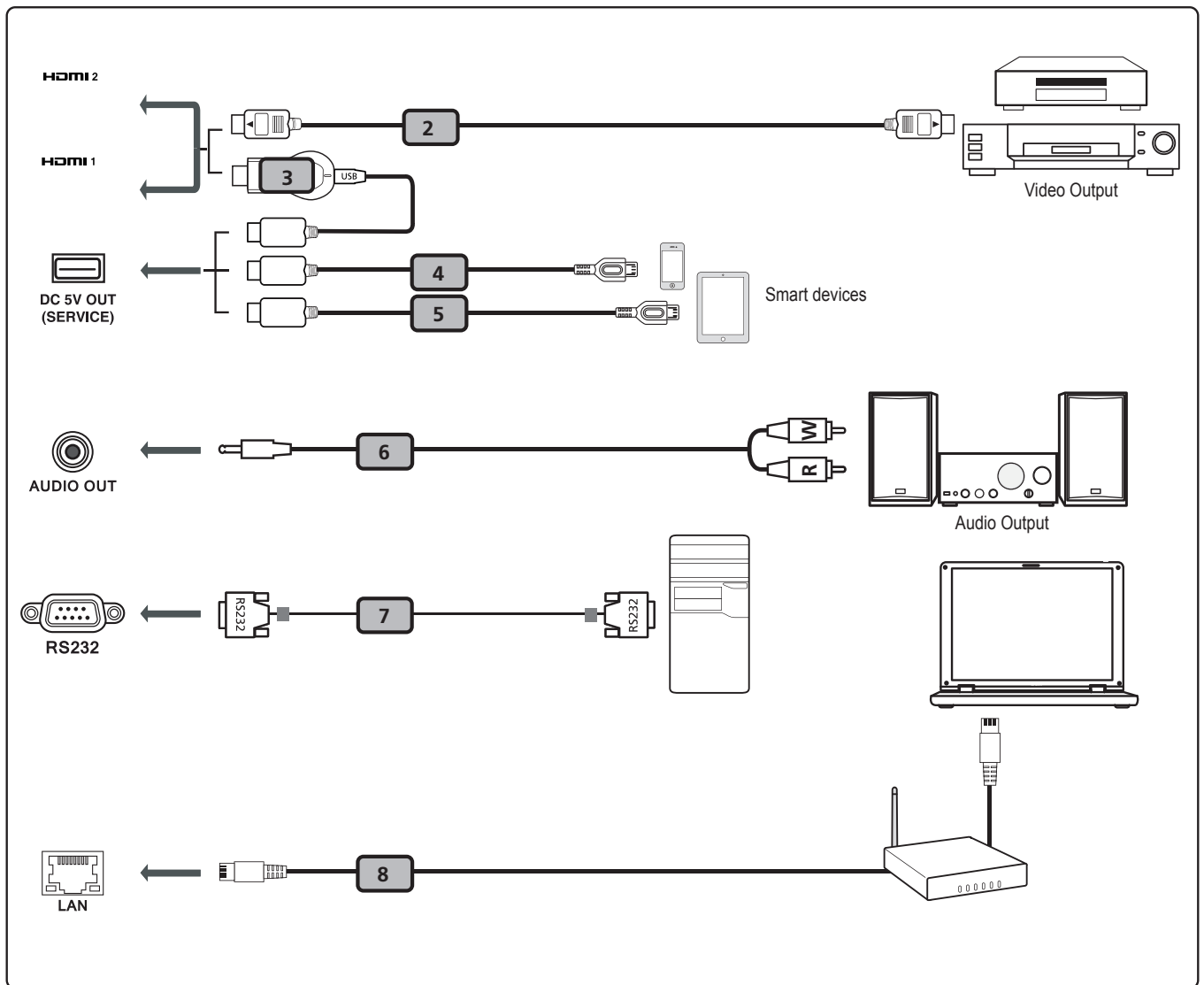
- Allow at least 30 cm clearance around the exhaust vent.



- Ensure that the intake vents do not recycle hot air from the exhaust vent.
- When operating the projector in an enclosed space, ensure that the surrounding air temperature within the enclosure does not exceed operation temperature while the projector is running, and the air intake and exhaust vents are unobstructed.
- All enclosures should pass a certified thermal evaluation to ensure that the projector does not recycle exhaust air, as this may cause the device to shutdown even if the enclosure temperature is within the acceptable operation temperature range.

SETUP AND INSTALLATION

Connecting sources to the projector



SETUP AND INSTALLATION

#	Description
1	Power cord
2	HDMI cable
3	WirelessHD dongle
4	USB cable
5	USB cable
6	Audio cable
7	RS232 cable
8	LAN cable

Note:

- *To ensure the projector works well with your computer, please make sure the timing of the display mode is compatible with the projector.*
- *Functions vary depending on model definition.*
- *USB cable needs powered extender if the length is over 5 m.*
- *USB DC 5V out connector support 5V power output for HDMI dongle charging.*

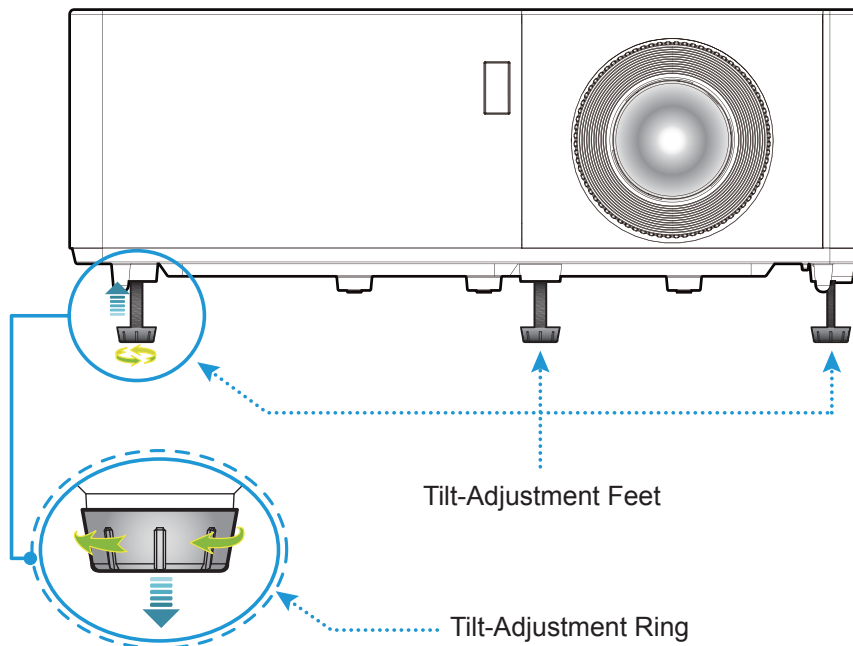
SETUP AND INSTALLATION

Adjusting the projector image

Image height

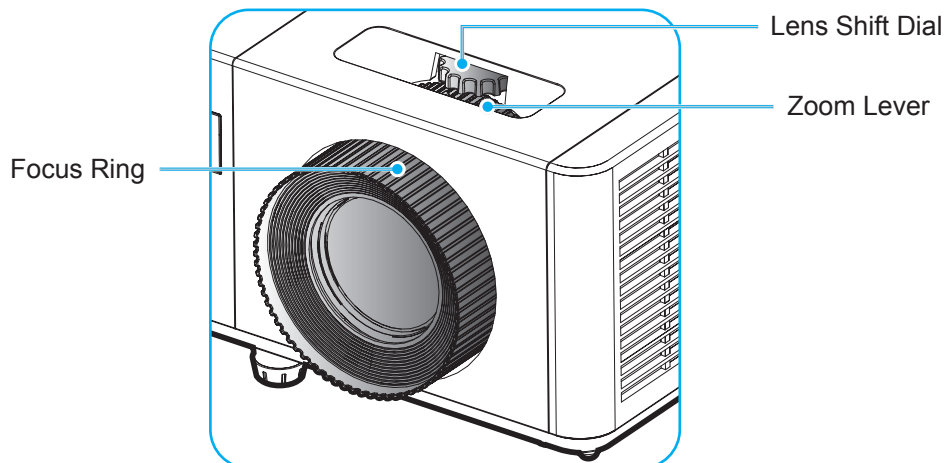
The projector is equipped with elevator feet for adjusting the image height.

1. Locate the adjustable foot you wish to adjust on the underside of the projector.
2. Rotate the adjustable foot clockwise or counterclockwise to raise or lower the projector.



Zoom, lens shift, and focus

- To adjust the image size, turn the zoom lever clockwise or counterclockwise to increase or decrease the projected image size.
- To adjust the image position, turn the lens shift dial clockwise or counterclockwise to adjust the position of the projected image vertically.
- To adjust the focus, turn the focus ring clockwise or counterclockwise until the image is sharp and legible.



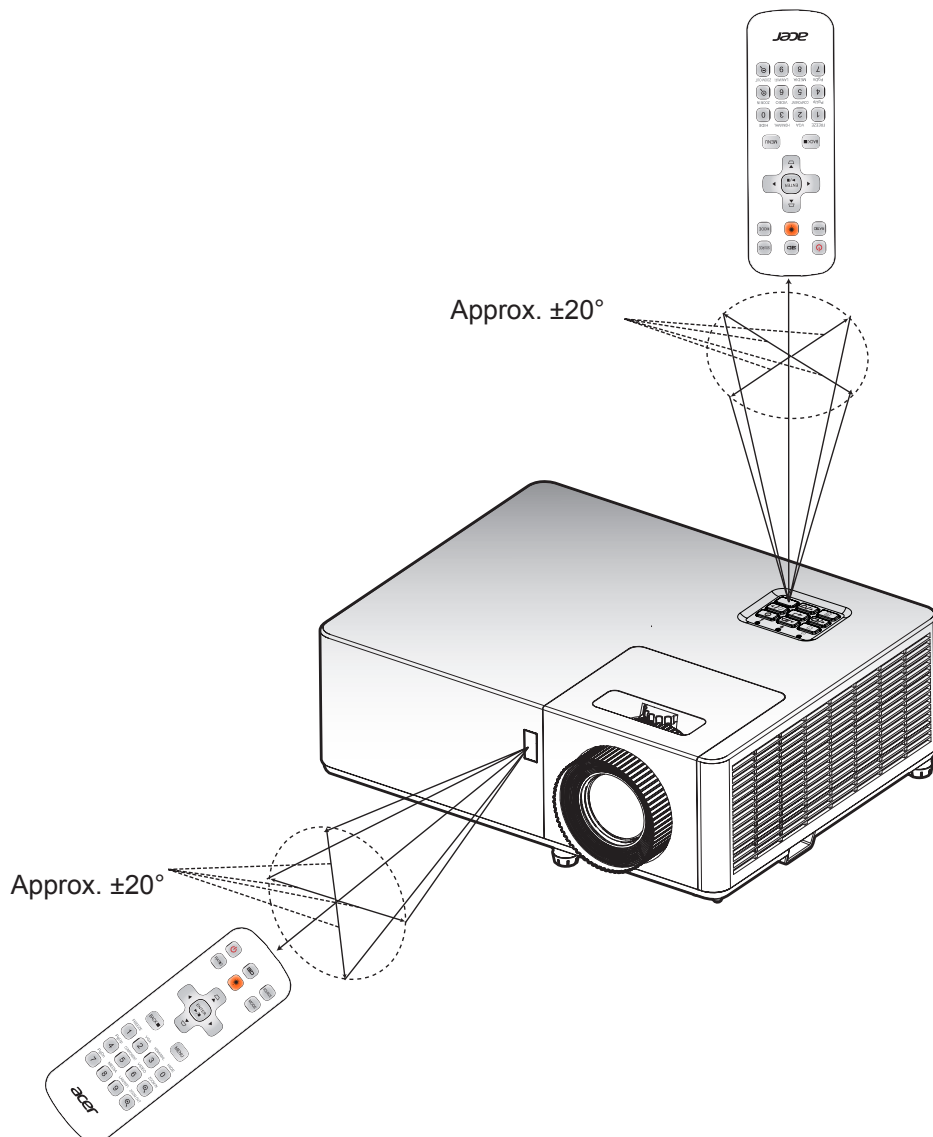
Note: Ensure that the projection screen is within the required distance from the projector. Please refer to "Image size and projection distance" for more information.

SETUP AND INSTALLATION

Effective range

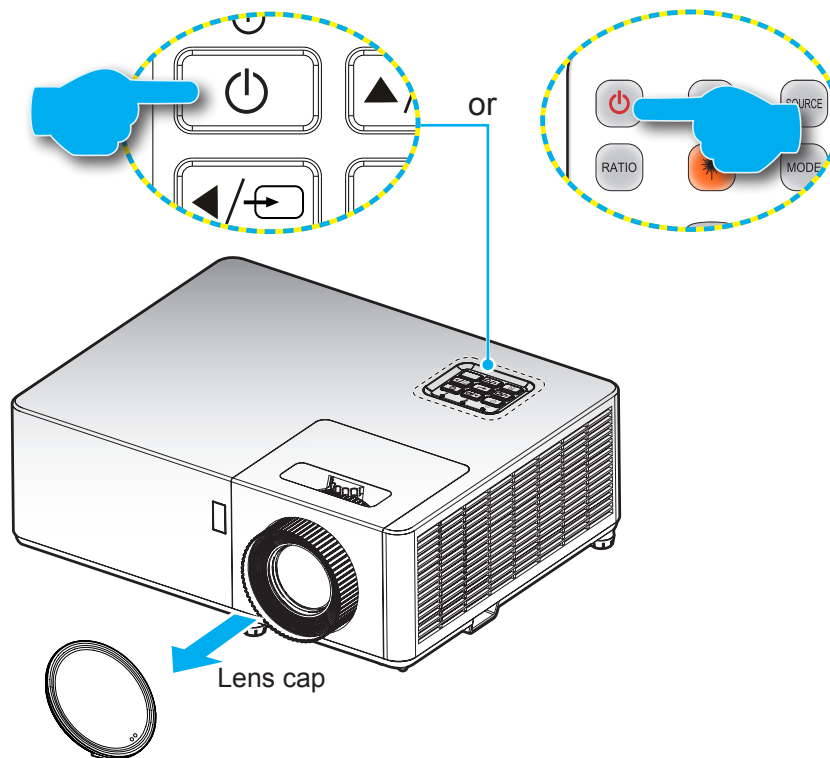
Infra-Red (IR) remote control sensor is located on the top and front sides of the projector. Ensure to hold the remote control at an angle within 40 degrees perpendicular to the projector's IR remote control sensor to function correctly. The distance between the remote control and the sensor should not be longer than 5 meters (16.4 feet).

- Make sure that there are no obstacles between the remote control and the IR sensor on the projector that might obstruct the infra-red beam.
- Make sure the IR transmitter of the remote control is not being shined by sunlight or fluorescent lamps directly.
- Please keep the remote controller away from fluorescent lamps for over 2 m or the remote controller might become malfunction.
- If the remote control is close to Inverter-Type fluorescent lamps, it might become ineffective from time to time.
- If the remote control and the projector are within a very short distance, the remote control might become ineffective.
- When you aim at the screen, the effective distance is less than 5 m from the remote control to the screen and reflecting the IR beams back to the projector. However, the effective range might change according to screens.




USING THE PROJECTOR

Powering on / off the projector




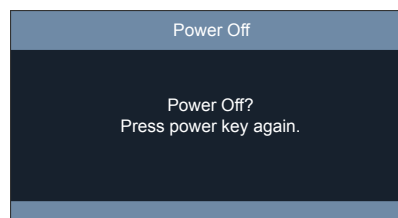
Powering on




1. Remove the lens cap.
2. Securely connect the power lead and signal/source cable. When connected, the Power LED will turn red.
3. Turn on the projector by pressing the  button on the projector keypad or remote control.
4. A start up screen will display in approximately 10 seconds and the Power LED will turn blue.

Note: The first time the projector is turned on, you will be prompted to select the preferred language, projection orientation, and other settings.

Powering off

1. Turn off the projector by pressing the  button on the projector keypad or remote control.
2. The following message will be displayed:




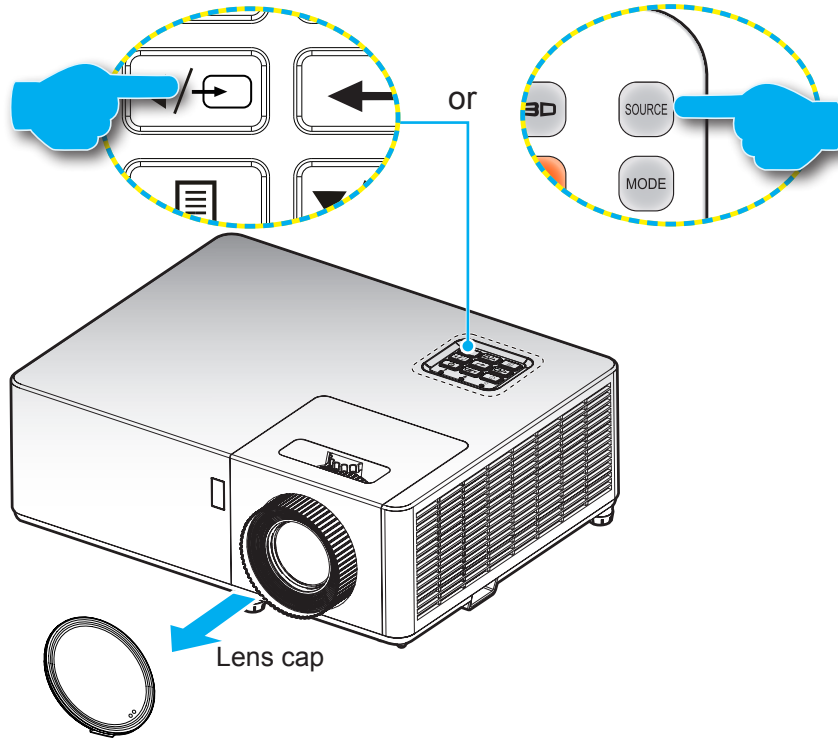
3. Press the  button again to confirm, otherwise the message will disappear after 10 seconds. When you press the  button for the second time, the projector will shut down.
4. When the Power turns solid red, this indicates the projector has entered standby mode. If you wish to turn the projector back on, you must wait until the cooling cycle has finished and the projector has entered standby mode. When the projector is in standby mode, simply press the  button again to turn on the projector.
5. Disconnect the power lead from the electrical outlet and the projector.

Note: It is not recommended that the projector is turned on immediately, right after a power off procedure.

USING THE PROJECTOR

Selecting an input source












Turn on the connected source that you want to display on the screen, such as computer, notebook, video player, etc. The projector will automatically detect the source. If multiple sources are connected, press the  button on the projector keypad or the **Source** button on the remote control to select the desired input.

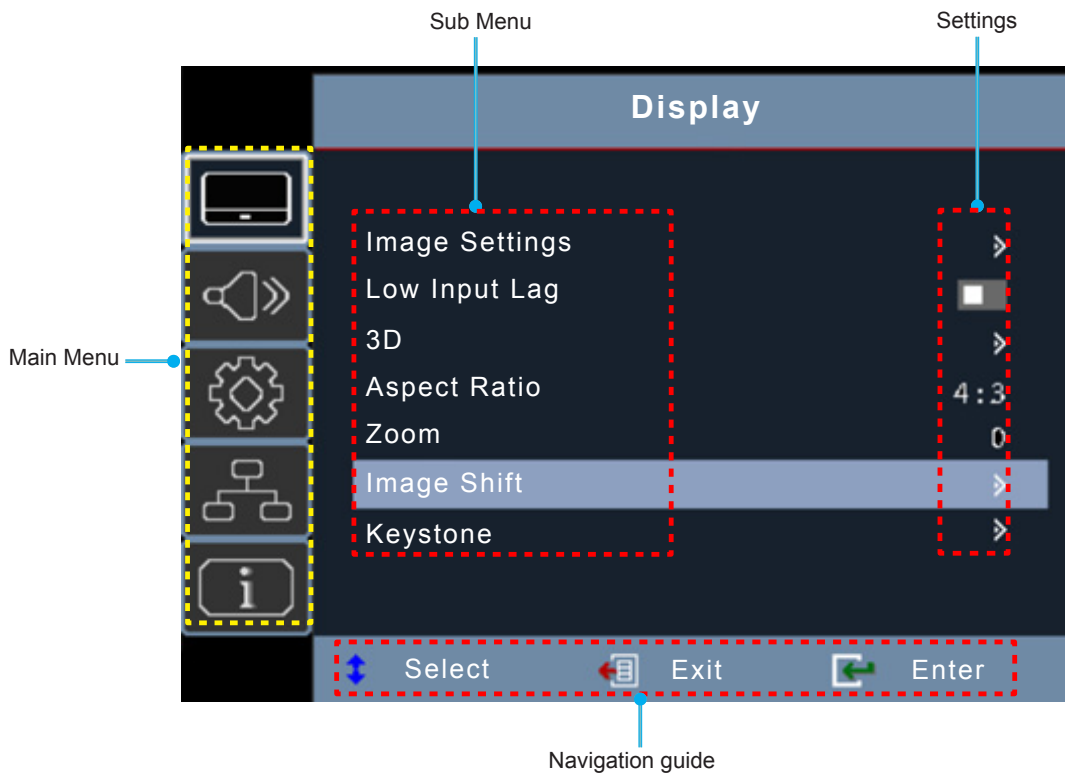


USING THE PROJECTOR

Menu navigation and features

The projector has multilingual on-screen display menus that allow you to make image adjustments and change a variety of settings. The projector will automatically detect the source.

1. To open the OSD menu, press the  button on the projector keypad or the **Menu** button on the remote control.
2. When OSD is displayed, use   keys to select any item in the main menu. While making a selection on a particular page, press the  button on the projector keypad or the **Enter** button on the remote control to enter sub menu.
3. Use   keys to select the desired item in the sub menu and then press the  or **Enter** button to view further settings. Adjust the settings by using   keys.
4. Select the next item to be adjusted in the sub menu and adjust as described above.
5. Press press the  or **Enter** button to confirm, and the screen will return to the main menu.
6. To exit, press the  or **Menu** button again. The OSD menu will close and the projector will automatically save the new settings.



USING THE PROJECTOR

OSD Menu tree

Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values		
Display	Image Settings	Display Mode			Presentation		
					Bright		
					HDR SIM.		
					HLG		
					HDR		
					Cinema		
					Game		
					sRGB		
					DICOM SIM.		
					User		
				3D			
			Brightness				-50 ~ 50
			Contrast				-50 ~ 50
			Sharpness				1 ~ 15
			Color				-50 ~ 50
			Tint				-50 ~ 50
			Gamma	Film			
				Video			
				Graphics			
				Standard(2.2)			
				1.8			
				2.0			
				2.4			
			2.6				
			BrilliantColor™				1 ~ 10
				Color Temperature			Warm
							Standard
							Cool
			Color Settings	Color Matching	Color		Red [Default]
							Green
							Blue
							Cyan
							Yellow
							Magenta
							White(*)
					Hue / R(*)		-50 ~ 50 [Default: 0]
					Saturation / G(*)		-50 ~ 50 [Default: 0]
					Gain / B(*)		-50 ~ 50 [Default: 0]
				Reset			Cancel [Default]
							Yes
				Exit			

USING THE PROJECTOR

Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values
Display	Image Settings	Color Settings	RGB Gain/Bias	Red Gain	-50 ~ 50
				Green Gain	-50 ~ 50
				Blue Gain	-50 ~ 50
				Red Bias	-50 ~ 50
				Green Bias	-50 ~ 50
				Blue Bias	-50 ~ 50
				Reset	Cancel [Default] Yes
				Exit	
		Color Space [HDMI Input]		Auto [Default]	
				RGB(0~255)	
				RGB(16~235)	
				YUV	
		Brightness Mode		DynamicBlack	
				Eco.	
				Power (Power = 100%/ 95%/ 90%/ 85%/ 80%/ 75%/ 70%/ 65%/ 60%/ 55%/ 50%)	
	Reset				
	Low Input Lag				On
					Off [Default]
	3D	3D Mode			Off [Default]
					On
		3D Format			Auto [Default]
					SBS
					Top and Bottom Frame Sequential
		3D Sync Invert			On
				Off [Default]	
	Aspect Ratio				4:3
					16:9
					21:9
					16:10
					Native
					Auto [Default]
	Zoom				-5 ~ 25
Image Shift	H				-100 ~ 100 [Default: 0]
	V				-100 ~ 100 [Default: 0]

USING THE PROJECTOR

Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values	
Display	Keystone	Four Corners			 [Default]	
						
						
						
			H Keystone			-30 ~30 [Default: 0]
			V Keystone			-30 ~30 [Default: 0]
			3x3 Warp			[Default: 0]
			Reset			
Audio	Mute				Off [Default]	
					On	
	Volume				0 ~ 10 [Default: 5]	
Setup	Projection				Front  [Default]	
					Rear 	
					Ceiling-top 	
					Rear-top 	
	Power Settings	Direct Power On				Off [Default]
						On
		Signal Power On				Off [Default]
						On
		Auto Power Off (min.)				0 ~ 180 (5 min increments) [Default: 20]
	Power Mode (Standby)					Active
						Eco [Default]
						ErP Off
	Security	Security				Off [Default]
						On
		Change Password				[Default: 1234]
	HDMI CEC					Off [Default]
						On
	Test Pattern					Green Grid
						Magenta Grid
						White Grid
					White	
					Test Card	
					Off [Default]	

USING THE PROJECTOR

Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values		
Setup	Options	Language			English [Default]		
					Deutsch		
					Français		
					Italiano		
					Español		
					Português		
					Polski		
					Nederlands		
					Svenska		
					Norsk		
					Suomi		
					ελληνικά		
					繁體中文		
					简体中文		
					日本語		
					한국어		
					Русский		
					Magyar		
					Čeština		
					عربي		
					ไทย		
					Türkçe		
					فارسی		
					Tiếng Việt		
					Bahasa Indonesia		
					Română		
					Slovenčina		
				Auto Source			Off [Default]
							On
		High Altitude			Off [Default]		
					On		
		Logo			Default [Default]		
					Neutral		
	Reset	Reset to Default			Cancel [Default]		
					Yes		

USING THE PROJECTOR

Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values
Network	LAN	Network Status			(read only)
		MAC Address			(read only)
		DHCP			Off
					On [Default]
		IP Address			
		Subnet Mask			
		Gateway			
		DNS			
	Reset				
	Control	Crestron			Off
					On [Default] Note: Port 41794
		Extron			Off
					On [Default] Note: Port 2023
		PJ Link			Off
					On [Default] Note: Port 4352
		AMX Device Discovery			Off
					On [Default] Note: Port 9131
Telnet			Off		
			On [Default] Note: Port 23		
HTTP			Off		
			On [Default] Note: Port 80		
Info	Serial Number				
	Source				
	Resolution			00x00	
	Refresh Rate			0.00Hz	
	Display Mode				
	Power Mode (Standby)				
	Light Source Hours			0 hr	
	Network Status				
	IP Address				
	Brightness Mode				
	Firmware Version	System			
		LAN			
MCU					

Note:

- *Functions vary depending on model definition.*
- *Adjusting power-related functions may increase energy consumption.*

USING THE PROJECTOR

Display menu

Display image settings menu

Note: Functions vary depending on model definition.

Display Mode

There are many factory presets optimized for various types of images.

- **Presentation:** This mode is suitable for showing in front of public in connection to the PC.
- **Bright:** Maximum brightness from PC input.
- **HDR SIM.:** Decodes and displays High Dynamic Range (HDR) content for the deepest blacks, brightest whites, and vivid cinematic color using REC.2020 color gamut. This mode can be selected to enhance non-HDR content with simulated High Dynamic Range (HDR).
- **HLG:** Decodes and displays Hybrid Log Gamma(HLG) content for the deepest blacks, brightest whites, and vivid cinematic color using REC.2100 color gamut. This mode can be selected to enhance non-HLG content.
- **HDR:** Decodes and displays High Dynamic Range (HDR) content for the deepest blacks, brightest whites, and vivid cinematic color using REC.2020 color gamut.
- **Cinema:** Provides the best colors for watching movies.
- **Game:** Select this mode to increase the brightness and response time level for enjoying video games.
- **sRGB:** Standardized accurate color.
- **DICOM SIM.:** This mode can project a monochrome medical image such as an X ray radiography, MRI, etc.
- **User:** Memorize user's settings.
- **3D:** To experience the 3D effect, you need to have 3D glasses, make sure your PC/portable device has a 120 Hz signal output quad buffered graphics card and have a 3D Player installed.

Brightness

Adjust the brightness of the image.

Contrast

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

Sharpness

Adjust the sharpness of the image.

Color

Adjust a video image from black and white to fully saturated color.

Note: This menu option is only available if the input source is other than RGB.

Tint

Adjust the color balance of red and green.

Note: This menu option is only available if the input source is other than RGB.

Gamma

Set up gamma curve type. After the initial setup and fine tuning is completed, utilize the Gamma Adjustment steps to optimize your image output.

- **Film:** For home theater.
- **Video:** For video or TV source.
- **Graphics:** For PC / Photo source.

USING THE PROJECTOR

- **Standard(2.2):** For standardized setting.
- **1.8 / 2.0 / 2.4 / 2.6:** For specific PC / Photo source.

Note:

- *These options are only available if the 3D mode function is disabled, the **Display Mode** setting is not set to **DICOM SIM.**, **HDR SIM.** or **HLG.***
- *In 3D mode, user can only select **3D** for **Gamma** setting.*
- *If the **Display Mode** setting is set to **DICOM SIM.**, user can only select **DICOM SIM.** for **Gamma** setting.*
- *If the **Display Mode** setting is set to **HDR SIM.** or **HLG**, user can only select **HDR SIM.** or **HLG** for **Gamma** setting.*

Color Settings

Configure the color settings.

- **BrilliantColor™:** This adjustable item utilizes a new color-processing algorithm and enhancements to enable higher brightness while providing true, more vibrant colors in picture.
- **Color Temperature:** Select a color temperature from Warm, Standard, Cool, or Cold.
- **Color Matching:** Select the following options:
 - Color: Adjust the red, green, black, cyan, yellow, magenta, and white level of the image.
 - Hue / R(red)*: Adjust the color balance of red and green.
Note: *If the **Color** setting is set to **White**, you can adjust the red color setting.
 - Saturation / G(green)*: Adjust a video image from black and white to fully saturated color.
Note: *If the **Color** setting is set to **White**, you can adjust the green color setting.
 - Gain / B(blue)*: Adjust the image brightness.
Note: *If the **Color** setting is set to **White**, you can adjust the blue color setting.
 - Reset: Return the factory default settings for color matching.
 - Exit: Exit the “Color Matching” menu.
- **RGB Gain/Bias:** This settings allows to configure the brightness (gain) and contrast (bias) of an image.
 - Reset: Return the factory default settings for RGB gain/bias.
 - Exit: Exit the “RGB Gain/Bias” menu.
- **Color Space (HDMI input only):** select an appropriate color matrix type from the following: Auto, RGB(0-255), RGB(16-235), and YUV.

Brightness Mode

Adjust the brightness mode settings.

- **DynamicBlack:** Use to automatically adjust the picture brightness in order to give optimum contrast performance.
- **Eco.:** Choose “Eco.” to dim the projector lamp which will lower power consumption and extend the lamp life.
- **Power:** Choose the power percentage for brightness mode.

Reset

Return the factory default settings for color settings.

Low input lag

Use this function to make the projected screen smoothly without any lag. Only support 1920 * 1080 60Hz.

USING THE PROJECTOR

Display 3D menu

Note:

- *This projector is a 3D ready projector with DLP-Link 3D solution.*
- *Please make sure your 3D glasses are use for DLP-Link 3D before enjoy your video.*
- *This projector supports frame sequential (page-flip) 3D via HDMI/VGA ports.*
- *To enable 3D mode, the input frame rate should be set to 60Hz only, lower or higher frame rate is not supported.*
- *To reach the best performance, resolution 1920x1080 is recommended, please be noted that 4K (3840x2160) resolution is not supported in 3D mode.*

3D Mode

Use this option to disable the 3D function or select the appropriate the 3D function.

- **Off:** Select “Off” to turn off 3D mode.
- **On:** Select “On” to turn on 3D mode.

Note: *If the 2D and 3D sources enter projector at the same time, if the ghosting image appears in the 2D source, make sure to manually turn off the 3D function.*

3D Format

Use this option to select the appropriate 3D format content.

- **Auto:** When a 3D identification signal is detected, the 3D format is selected automatically.
- **SBS:** Display 3D signal in “Side-by-Side” format.
- **Top and Bottom:** Display 3D signal in “Top and Bottom” format.
- **Frame Sequential:** Display 3D signal in “Frame Sequential” format.

3D Sync Invert

Use this option to enable/disable the 3D sync invert function.

USING THE PROJECTOR

Display aspect ratio menu

Aspect Ratio

Select the aspect ratio of the displayed image between the following options:

- **4:3:** This format is for 4:3 input sources.
- **16:9:** This format is for 16:9 input sources, like HDTV and DVD enhanced for Wide screen TV.
- **16:10** (for WUXGA model only): This format is for 16:10 input sources, like widescreen laptops.
- **21:9** (for 4K model only): This format is for 21:9 input sources.
- **Native:** This format displays the original image without any scaling.
- **Auto:** Automatically selects the appropriate display format.

1080p scaling table:

4x3	Scale to 1440x1080.
16x9	Scale to 1920x1080.
Native mode	- 1:1 mapping centered. - No scaling will be made; the image is displayed with the resolution based on input source.
Auto	- If source is 4:3, the screen type will be scaled to 1440 x1080. - If source is 16:9, the screen type will be scaled to 1920x1080. - If source is 16:10, the screen type will be scaled to 1920x1200 and cut 1920x1080 area to display.

1080p auto mapping rule:

Auto	Input resolution		Auto/Scale	
	H-resolution	V-resolution	1920	1080
4:3	640	480	1440	1080
	800	600	1440	1080
	1024	768	1440	1080
	1280	1024	1440	1080
	1400	1050	1440	1080
	1600	1200	1440	1080
Wide Laptop	1280	720	1920	1080
	1280	768	1800	1080
	1280	800	1728	1080
SDTV	720	576	1350	1080
	720	480	1620	1080
HDTV	1280	720	1920	1080
	1920	1080	1920	1080

USING THE PROJECTOR

WUXGA scaling table:

4x3	Scale to 1600x1200.
16x9	Scale to 1920x1080.
16x10	Scale to 1920x1200.
Native mode	- 1:1 mapping centered. - No scaling will be made; the image is displayed with the resolution based on input source.
Auto	- If source is 4:3, the screen type will be scaled to 1600 x1200. - If source is 16:9, the screen type will be scaled to 1920x1080. - If source is 16:10, the screen type will be scaled to 1920x1200.

WUXGA auto mapping rule:

Auto	Input resolution		Auto/Scale	
	H-resolution	V-resolution	1920	1200
4:3	640	480	1600	1200
	800	600	1600	1200
	1024	768	1600	1200
	1280	1024	1600	1200
	1400	1050	1600	1200
	1600	1200	1600	1200
Wide Laptop	1280	720	1920	1080
	1280	768	1920	1200
	1280	800	1920	1200
SDTV	720	576	1500	1200
	720	480	1800	1200
HDTV	1280	720	1920	1080
	1920	1080	1920	1080

4K scaling table:

4x3	Scale to 2880x2160.
16x9	Scale to 3840x2160
21x9	Scale to 3840x1620
Native mode	- 1:1 mapping centered. - No scaling will be made; the image is displayed with the resolution based on input source.
Auto	- If source is 4:3, the screen type will be scaled to 2880x2160. - If source is 16:9, the screen type will be scaled to 3840x2160. - If source is 21:9, the screen type will be scaled to 3840x1620.

USING THE PROJECTOR

4K auto mapping rule:

Auto	Input resolution		Auto/Scale	
	H-resolution	V-resolution	3840	2160
4:3	640	480	2880	2160
	800	600	2880	2160
	1024	768	2880	2160
	1280	1024	2880	2160
	1400	1050	2880	2160
	1600	1200	2880	2160
Wide Laptop	1280	720	3840	2160
	1280	768	3600	2160
	1280	800	3456	2160
SDTV	720	576	2880	2160
	720	480	2880	2160
HDTV	1280	720	3840	2160
	1920	1080	3840	2160

Display zoom menu

Zoom

Use to reduce or magnify an image on the projection screen.

Display image shift menu

Image Shift

Adjust the projected image position horizontally (H) or vertically (V).

Display keystone menu

Four Corners

Allow the image to be squeezed to fit an area defined by moving each of the four corners' x and y position.

H Keystone

Adjust image distortion horizontally and make a squarer image. Horizontal keystone is used to correct a keystone image shape in which the left and right borders of the image are unequal in length. This is intended for use with horizontally on-axis applications.

V Keystone

Adjust image distortion vertically and make a squarer image. Vertical keystone is used to correct a keystone image shape in which the top and bottom are slanted to one of the sides. This is intended when for use with vertically on-axis applications.

3x3 Warp

The function is to configure the geometric distortion of the projector's images when the images are projected onto screens which have an uneven surface such as a cylinder, a spherical shape, etc.

Note:

- *The image size will reduce slightly when adjusting the horizontal and vertical keystone.*

Reset

Return the factory default settings for keystone settings.

USING THE PROJECTOR

Audio menu

Note: *Functions vary depending on model definition.*

Audio mute menu

Mute

Use this option to temporarily turn off the sound.

- **On:** Choose “On” to turn mute on.
- **Off:** Choose “Off” to turn mute off.

Note: *“Mute” function affects both internal and external speaker volume.*

Audio volume menu

Volume

Adjust the volume level.

USING THE PROJECTOR

Setup menu

Note: Functions vary depending on model definition.

Setup projection menu

Projection

Select the preferred projection between front, rear, ceiling-top, and rear-top.

Setup power settings menu

Direct Power On

Choose “On” to activate Direct Power mode. The projector will automatically power on when AC power is supplied, without pressing the “Power” key on the projector keypad or on the remote control.

Signal Power On

Choose “On” to activate Signal Power mode. The projector will automatically power on when a signal is detected, without pressing the “Power” key on the projector Keypad or on the remote control.

Note: Only supported on HDMI 1, HDMI 2.

Auto Power Off (min.)

Sets the countdown timer interval. The countdown timer will start, when there is no signal being sent to the projector. The projector will automatically power off when the countdown has finished (in minutes).

Note: When the countdown timer set on 0(disable auto power off) or >20mins will show the warning message as below.

COMMISSION REGULATION (EU) 2023/826
Disabling this function will increase energy consumption.

Power Mode (Standby)

Set the power mode setting.

- **Eco:** Choose “Eco.” to save power dissipation further < 0.5W.
- **Active:** Choose “Active” to return to normal standby.
- **ErP off:** Choose “ErP off” to return to normal standby.

Setup security menu

Security

Enable this function to prompt for a password before using the projector.

- **On:** Choose “On” to use security verification when the turning on the projector.
- **Off:** Choose “Off” to be able to switch on the projector without password verification.

Change Password

Use to set or modify the password that is prompted when turning the projector on.

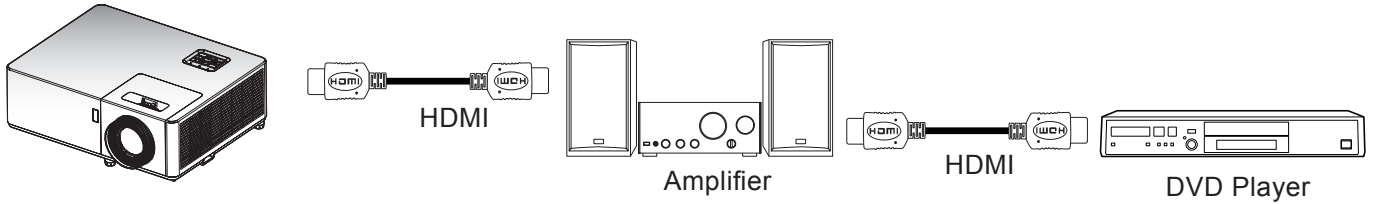
Note: Password default value is “1234” (first time).

USING THE PROJECTOR

Setup HDMI Link settings menu

Note:

- When you connect HDMI CEC-compatible devices to the projector with HDMI cables, you can control them on the same power on or power off status using the HDMI Link control feature in the projector's OSD. This lets one device or multiple devices in a group power on or power off via HDMI Link Feature in a typical configuration, your DVD player may be connected to the projector through an amplifier or home theater system.



HDMI CEC

Default is Off. Select "On" to enable HDMI CEC function.

Setup test pattern menu

Test Pattern

Select the test pattern from green grid, magenta grid, white grid, white or disable this function (off).

Setup options menu

Language

Select the multilingual OSD menu.

Auto Source

Choose this option to let the projector automatically find an available input source.

High Altitude

When "On" is selected, the fans will spin faster. This feature is useful in high altitude areas where the air is thin.

Logo

Use this function to set the desired startup screen. If changes are made, they will take effect the next time the projector is powered on.

- **Default:** The default startup screen.
- **Neutral:** Logo is not displayed on startup screen.

Setup reset OSD menu

Reset to Default

Return the factory default settings for all settings except network setting.

USING THE PROJECTOR

Network menu

Note: Functions vary depending on model definition.

Network LAN menu

Network Status

Display the network connection status (read-only).

MAC Address

Display the MAC address (read-only).

DHCP

Use this option to enable or disable the DHCP function.

- **Off:** To assign IP, subnet mask, gateway, and DNS configuration manually.
- **On:** Projector will obtain an IP address automatically from your network.

Note: Exiting OSD will automatically apply the entered values.

IP Address

Display the IP address.

Subnet Mask

Display subnet mask number.

Gateway

Display the default gateway of the network connected to the projector.

DNS

Display the DNS number.

Reset

Reset all values for LAN parameters.

Network control menu

Crestron

Use this function to select the network function (port: 41794).

For more information, please visit <http://www.crestron.com> and www.crestron.com/getroomview.

Extron

Use this function to select the network function (port: 2023).

PJ Link

Use this function to select the network function (port: 4352).

AMX Device Discovery

Use this function to select the network function (port: 9131).

Telnet

Use this function to select the network function (port: 23).

HTTP

Use this function to select the network function (port: 80).

USING THE PROJECTOR

Info menu

Note: *Functions vary depending on model definition.*

Info menu

View the projector information as listed below:

- Serial Number
- Source
- Resolution
- Refresh Rate
- Display Mode
- Power Mode (Standby)
- Light Source Hours
- Network Status
- IP Address
- Brightness Mode
- Firmware Version

ADDITIONAL INFORMATION

Compatible resolutions

Digital compatibility

Digital (HDMI 1.4)				
Native resolution 1920x1080@60Hz				
B0 / Established Timing	B0 / Standard Timing	B0 / Detail Timing	B1 / Video Mode	B1 / Detail Timing
720 x 400 @ 70Hz	1280 x 720 @ 60Hz	1920x1080@60Hz	640 x 480p @ 60Hz 4:3	1920 x 1080p @ 60Hz
640 x 480 @ 60Hz	1280 x 800 @ 60Hz		720 x 480i @ 60Hz 16:9	1366x768@60Hz
640 x 480 @ 67Hz	1280x1024 @ 60Hz		720 x 480p @ 60Hz 4:3	1920x1080@120Hz(*)
640 x 480 @ 72Hz	1600X1200@60Hz		720 x 480p @ 60Hz 16:9	1920x1200@60Hz(RB)
640 x 480 @ 75Hz	640x480@120Hz		720 x 576i @ 50Hz 16:9	
800 x 600 @ 56Hz	800x600@120Hz		720 x 576p @ 50Hz 4:3	
800 x 600 @ 60Hz	1024x768@120Hz		720 x 576p @ 50Hz 16:9	
800 x 600 @ 72Hz	1280x800@120Hz		1280 x 720p @ 60Hz 16:9	
800 x 600 @ 75Hz			1280 x 720p @ 50Hz 16:9	
832 x 624 @ 75Hz			1920 x 1080i @ 60Hz 16:9	
1024 x 768 @ 60Hz			1920 x 1080i @ 50Hz 16:9	
1024 x 768 @ 70Hz			1920 x 1080p @ 60Hz 16:9	
1024 x 768 @ 75Hz			1920 x 1080p @ 50Hz 16:9	
1280 x 1024 @ 75Hz			1920 x 1080p @ 24Hz 16:9	
Manufacturer's Timings:			720(1440)x480i @60Hz 4:3	
1152 x 870@ 75Hz			720(1440)x576i @50 Hz 4:3	
			Vendor Specific HDMI 1.4b	
			3840 x 2160 @ 24Hz	
			3840 x 2160 @ 25Hz	
			3840 x 2160 @ 30Hz	

Digital (HDMI 2.0)				
Native resolution 1920x1080@60Hz				
B0 / Established Timing	B0 / Standard Timing	B0 / Detail Timing	B1 / Video Mode	B1 / Detail Timing
720 x 400 @ 70Hz	1280 x 720 @ 60Hz	1920x1080@60Hz	720 x 480p @ 60Hz 16:9	1920x1080@120Hz(*)
640 x 480 @ 60Hz	1280 x 800 @ 60Hz		720 x 576p @ 50Hz 4:3	1366x768@60Hz
640 x 480 @ 67Hz	1280x1024 @ 60Hz		720 x 576p @ 50Hz 16:9	1920x1200 @ 60Hz(RB)
640 x 480 @ 72Hz	1600X1200@60Hz		1280 x 720p @ 60Hz 16:9	
640 x 480 @ 75Hz	640x480@120Hz		1280 x 720p @ 50Hz 16:9	
800 x 600 @ 56Hz	800x600@120Hz		1920 x 1080i @ 60Hz 16:9	
800 x 600 @ 60Hz	1024x768@120Hz		1920 x 1080i @ 50Hz 16:9	
800 x 600 @ 72Hz	1280x800@120Hz		1920 x 1080p @ 60Hz 16:9	
800 x 600 @ 75Hz			1920 x 1080p @ 50Hz 16:9	
832 x 624 @ 75Hz			1920 x 1080p @ 24Hz 16:9	
1024 x 768 @ 60Hz			3840 x 2160 @ 24Hz	
1024 x 768 @ 70Hz			3840 x 2160 @ 25Hz	
1024 x 768 @ 75Hz			3840 x 2160 @ 30Hz	
1280 x 1024 @ 75Hz			3840 x 2160 @ 50Hz	
Manufacturer's Timings:			3840 x 2160 @ 60Hz	
1152 x 870@ 75Hz				

ADDITIONAL INFORMATION

Note: (*) 1920x1080p@120Hz is over DDP442X-HV bandwidth, so TI won't guarantee the image quality for this timing.

True 3D video compatibility

Input resolutions	HDMI 3D Input (with 3D InfoFrame information)	Input timing	
		1280 x 720P @ 50Hz	Top-and-Bottom
		1280 x 720P @ 60Hz	Top-and-Bottom
		1280 x 720P @ 50Hz	Frame packing
		1280 x 720P @ 60Hz	Frame packing
		1920 x 1080i @ 50Hz	Side-by-Side
		1920 x 1080i @ 60Hz	Side-by-Side
		1920 x 1080P @ 24Hz	Top-and-Bottom
		1920 x 1080P @ 24Hz	Frame packing

Note:

- If 3D input is 1080p@24Hz, the DMD should replay with integral multiple with 3D mode.
- 1080i@25Hz and 720p@50Hz will run in 100Hz; 1080p@24Hz will run in 144Hz except WUXGA model is 96Hz; other 3D timing will run in 120Hz.

ADDITIONAL INFORMATION

Digital (HDMI 1.4)				
Native resolution 1920x1200@60Hz(RB)				
B0 / Established Timing	B0 / Standard Timing	B0 / Detail Timing	B1 / Video Mode	B1 / Detail Timing
720 x 400 @ 70Hz	1280 x 720 @ 60Hz	1920x1200@60Hz (RB)	640 x 480p @ 60Hz 4:3	1920 x 1080p @ 60Hz
640 x 480 @ 60Hz	1280 x 800 @ 60Hz		720 x 480i @ 60Hz 16:9	1366x768@60Hz
640 x 480 @ 67Hz	1280x1024 @ 60Hz		720 x 480p @ 60Hz 4:3	1920x1080@120Hz(*)
640 x 480 @ 72Hz	1600X1200@60Hz		720 x 480p @ 60Hz 16:9	
640 x 480 @ 75Hz	640x480@120Hz		720 x 576i @ 50Hz 16:9	
800 x 600 @ 56Hz	800x600@120Hz		720 x 576p @ 50Hz 4:3	
800 x 600 @ 60Hz	1024x768@120Hz		720 x 576p @ 50Hz 16:9	
800 x 600 @ 72Hz	1280x800@120Hz		1280 x 720p @ 60Hz 16:9	
800 x 600 @ 75Hz			1280 x 720p @ 50Hz 16:9	
832 x 624 @ 75Hz			1920 x 1080i @ 60Hz 16:9	
1024 x 768 @ 60Hz			1920 x 1080i @ 50Hz 16:9	
1024 x 768 @ 70Hz			1920 x 1080p @ 60Hz 16:9	
1024 x 768 @ 75Hz			1920 x 1080p @ 50Hz 16:9	
1280 x 1024 @ 75Hz			1920 x 1080p @ 24Hz 16:9	
Manufacturer's Timings:			720(1440)x480i @60Hz 4:3	
1152 x 870@ 75Hz			720(1440)x576i @50 Hz 4:3	
			Vendor Specific HDMI 1.4b	
			3840 x 2160 @ 24Hz	
			3840 x 2160 @ 25Hz	
			3840 x 2160 @ 30Hz	

Digital (HDMI 2.0)				
Native resolution 1920x1200@60Hz(RB)				
B0 / Established Timing	B0 / Standard Timing	B0 / Detail Timing	B1 / Video Mode	B1 / Detail Timing
720 x 400 @ 70Hz	1280 x 720 @ 60Hz	1920x1200@60Hz (RB)	720 x 480p @ 60Hz 16:9	1920x1080@120Hz(*)
640 x 480 @ 60Hz	1280 x 800 @ 60Hz		720 x 576p @ 50Hz 4:3	1366x768@60Hz
640 x 480 @ 67Hz	1280x1024 @ 60Hz		720 x 576p @ 50Hz 16:9	
640 x 480 @ 72Hz	1600X1200@60Hz		1280 x 720p @ 60Hz 16:9	
640 x 480 @ 75Hz	640x480@120Hz		1280 x 720p @ 50Hz 16:9	
800 x 600 @ 56Hz	800x600@120Hz		1920 x 1080i @ 60Hz 16:9	
800 x 600 @ 60Hz	1024x768@120Hz		1920 x 1080i @ 50Hz 16:9	
800 x 600 @ 72Hz	1280x800@120Hz		1920 x 1080p @ 60Hz 16:9	
800 x 600 @ 75Hz			1920 x 1080p @ 50Hz 16:9	
832 x 624 @ 75Hz			1920 x 1080p @ 24Hz 16:9	
1024 x 768 @ 60Hz			3840 x 2160 @ 24Hz	
1024 x 768 @ 70Hz			3840 x 2160 @ 25Hz	
1024 x 768 @ 75Hz			3840 x 2160 @ 30Hz	
1280 x 1024 @ 75Hz			3840 x 2160 @ 50Hz	
Manufacturer's Timings:			3840 x 2160 @ 60Hz	
1152 x 870@ 75Hz				

ADDITIONAL INFORMATION

Note: (*) 1920x1080p@120Hz is over DDP442X-HV bandwidth, so TI won't guarantee the image quality for this timing.

True 3D video compatibility

Input resolutions	HDMI 3D Input (with 3D InfoFrame information)	Input timing	
		1280 x 720P @ 50Hz	Top-and-Bottom
		1280 x 720P @ 60Hz	Top-and-Bottom
		1280 x 720P @ 50Hz	Frame packing
		1280 x 720P @ 60Hz	Frame packing
		1920 x 1080i @ 50Hz	Side-by-Side
		1920 x 1080i @ 60Hz	Side-by-Side
		1920 x 1080P @ 24Hz	Top-and-Bottom
		1920 x 1080P @ 24Hz	Frame packing

Note:

- If 3D input is 1080p@24Hz, the DMD should replay with integral multiple with 3D mode.
- 1080i@25Hz and 720p@50Hz will run in 100Hz; 1080p@24Hz will run in 144Hz except WUXGA model is 96Hz; other 3D timing will run in 120Hz.

Digital-HDMI 1 (2.0)				
Native resolution 3840x2160@60Hz				
B0 / Established Timing	B0 / Standard Timing	B0 / Detail Timing	B1 / Video Mode	B1 / Detail Timing
720 x 400 @ 70Hz	1920 x 1200 @ 60 Hz (16:10)	3840 x 2160 @60 Hz	1920x1080p @ 60 Hz 16:9	2560x1440 @120Hz
640 x 480 @ 60Hz	1920 x 1080 @ 60 Hz (16:9)		1920x1080i @ 60 Hz 16:9	1920x1080 @240Hz
640 x 480 @ 67Hz	1680 x 1050 @ 60 Hz (16:10)		1280x720p @ 60 Hz 16:9	
640 x 480 @ 72Hz	1440 x 900 @ 60 Hz (16:10)		720x480p @ 60 Hz 16:9	
640 x 480 @ 75Hz	1280 x 1024 @ 60 Hz (5:4)		720x480p @ 60 Hz 4:3	
800 x 600 @ 56Hz	1280 x 960 @ 60 Hz (4:3)		720(1440)x480i @ 60 Hz 16:9	
800 x 600 @ 60Hz	1280 x 720 @ 120 Hz (16:9)		720(1440)x480i @ 60 Hz 4:3	
800 x 600 @ 72Hz	1152 x 864 @ 75 Hz (4:3)		1280x720p @ 50 Hz 16:9	
800 x 600 @ 75Hz			1920x1080p @ 50 Hz 16:9	
832 x 624 @ 75Hz			1920x1080p @ 24 Hz 16:9	
1024 x 768 @ 60Hz			1920x1080i @ 50 Hz 16:9	
1024 x 768 @ 70Hz			720x576p @ 50 Hz 16:9	
1024 x 768 @ 75Hz			2560x1080p @ 60 Hz 64:27	
1280 x 1024 @ 75Hz			3840x2160p @ 50 Hz 16:9	
Manufacturer's Timings:			3840x2160p @ 60 Hz 16:9	
1152 x 870@ 75Hz			640x480p @ 60 Hz 4:3	
			1920x1080i (1250 total) @ 50 Hz 16:9	
			1920x1080p @ 25 Hz 16:9	
			1920x1080p @ 30 Hz 16:9	

ADDITIONAL INFORMATION

Digital-HDMI 1 (2.0)				
Native resolution 3840x2160@60Hz				
B0 / Established Timing	B0 / Standard Timing	B0 / Detail Timing	B1 / Video Mode	B1 / Detail Timing
			3840x2160p @ 24 Hz 16:9	
			3840x2160p @ 25 Hz 16:9	
			3840x2160p @ 30 Hz 16:9	
			720(1440)x576i @ 50 Hz 16:9	
			720(1440)x576i @ 50 Hz 4:3	
			1920x1080p @ 120 Hz 16:9	

Digital-HDMI 2 (2.0)				
Native resolution 3840x2160@60Hz				
B0 / Established Timing	B0 / Standard Timing	B0 / Detail Timing	B1 / Video Mode	B1 / Detail Timing
720 x 400 @ 70Hz	1920 x 1200 @ 60 Hz (16:10)	3840 x 2160 @60 Hz	1920x1080p @ 60 Hz 16:9	2560x1440 @120Hz
640 x 480 @ 60Hz	1920 x 1080 @ 60 Hz (16:9)		1920x1080i @ 60 Hz 16:9	1920x1080 @240Hz
640 x 480 @ 67Hz	1680 x 1050 @ 60 Hz (16:10)		1280x720p @ 60 Hz 16:9	
640 x 480 @ 72Hz	1440 x 900 @ 60 Hz (16:10)		720x480p @ 60 Hz 16:9	
640 x 480 @ 75Hz	1280 x 1024 @ 60 Hz (5:4)		720x480p @ 60 Hz 4:3	
800 x 600 @ 56Hz	1280 x 960 @ 60 Hz (4:3)		720(1440)x480i @ 60 Hz 16:9	
800 x 600 @ 60Hz	1280 x 720 @ 120 Hz (16:9)		720(1440)x480i @ 60 Hz 4:3	
800 x 600 @ 72Hz	1152 x 864 @ 75 Hz (4:3)		1280x720p @ 50 Hz 16:9	
800 x 600 @ 75Hz			1920x1080p @ 50 Hz 16:9	
832 x 624 @ 75Hz			1920x1080p @ 24 Hz 16:9	
1024 x 768 @ 60Hz			1920x1080i @ 50 Hz 16:9	
1024 x 768 @ 70Hz			720x576p @ 50 Hz 16:9	
1024 x 768 @ 75Hz			2560x1080p @ 60 Hz 64:27	
1280 x 1024 @ 75Hz			3840x2160p @ 50 Hz 16:9	
Manufacturer's Timings:			3840x2160p @ 60 Hz 16:9	
1152 x 870@ 75Hz			640x480p @ 60 Hz 4:3	
			1920x1080i (1250 total) @ 50 Hz 16:9	
			1920x1080p @ 25 Hz 16:9	
			1920x1080p @ 30 Hz 16:9	
			3840x2160p @ 24 Hz 16:9	
			3840x2160p @ 25 Hz 16:9	

ADDITIONAL INFORMATION

Digital-HDMI 2 (2.0)				
Native resolution 3840x2160@60Hz				
B0 / Established Timing	B0 / Standard Timing	B0 / Detail Timing	B1 / Video Mode	B1 / Detail Timing
			3840x2160p @ 30 Hz 16:9	
			720(1440)x576i @ 50 Hz 16:9	
			720(1440)x576i @ 50 Hz 4:3	
			1920x1080p @ 120 Hz 16:9	

True 3D video compatibility

Input resolutions	HDMI 3D Input (with 3D InfoFrame information)	Input timing	
		1280 x 720P @ 50Hz	Top-and-Bottom
		1280 x 720P @ 60Hz	Top-and-Bottom
		1280 x 720P @ 50Hz	Frame packing
		1280 x 720P @ 60Hz	Frame packing
		1920 x 1080i @ 50Hz	Side-by-Side
		1920 x 1080i @ 60Hz	Side-by-Side
		1920 x 1080P @ 24Hz	Top-and-Bottom
		1920 x 1080P @ 24Hz	Frame packing

Note:

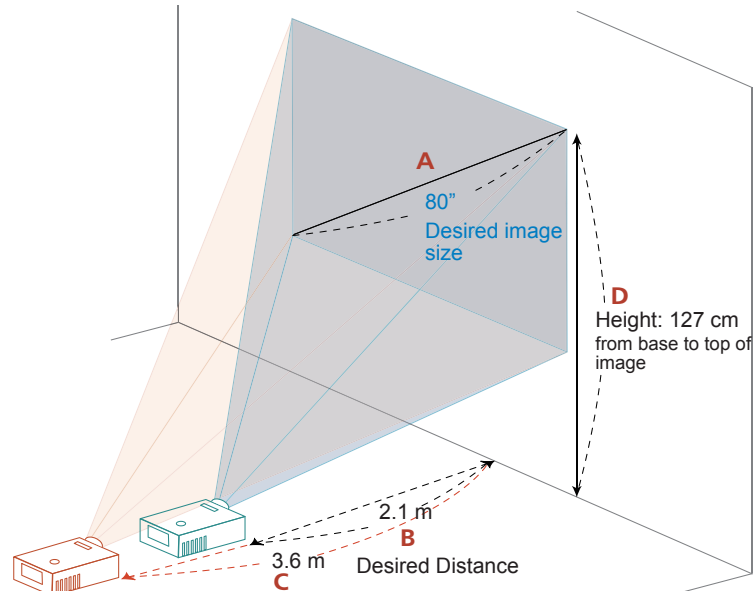
- If 3D input is 1080p@24Hz, the DMD should replay with integral multiple with 3D mode.
- 1080i@25Hz and 720p@50Hz will run in 100Hz; 1080p@24Hz will run in 144Hz except WUXGA model is 96Hz; other 3D timing will run in 120Hz.

ADDITIONAL INFORMATION

Image size and projection distance

1080P Series for 1.7x zoom

To obtain an image size of 80" set the projector at a distance 2.1 m and 3.6 m from the screen.



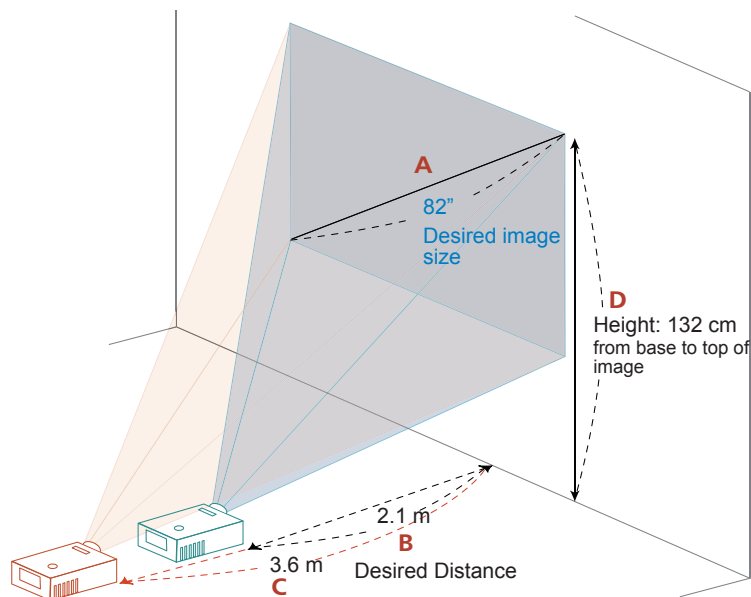
Desired image size		Distance (m)		Top (cm)
Diagonal (inch)	W (cm) x H (cm)	Max zoom	Min zoom	From base to top of image
<A>			<C>	<D>
30	66 x 37	0.8	1.4	47
40	89 x 50	1.1	1.8	63
50	111 x 62	1.3	2.3	79
60	133 x 75	1.6	2.7	95
70	155 x 87	1.9	3.2	111
80	177 x 100	2.1	3.6	127
90	199 x 112	2.4	4.1	142
100	221 x 125	2.7	4.5	158
150	332 x 187	4.0	6.8	237
180	398 x 224	4.8	8.1	285
200	443 x 249	5.3	9.0	316
250	553 x 311	6.6	11.3	395
300	664 x 374	8.0	13.5	474

Zoom Ratio: 1.7x

ADDITIONAL INFORMATION

WUXGA Series for 1.7x zoom

To obtain an image size of 82" set the projector at a distance 2.1 m and 3.6 m from the screen.



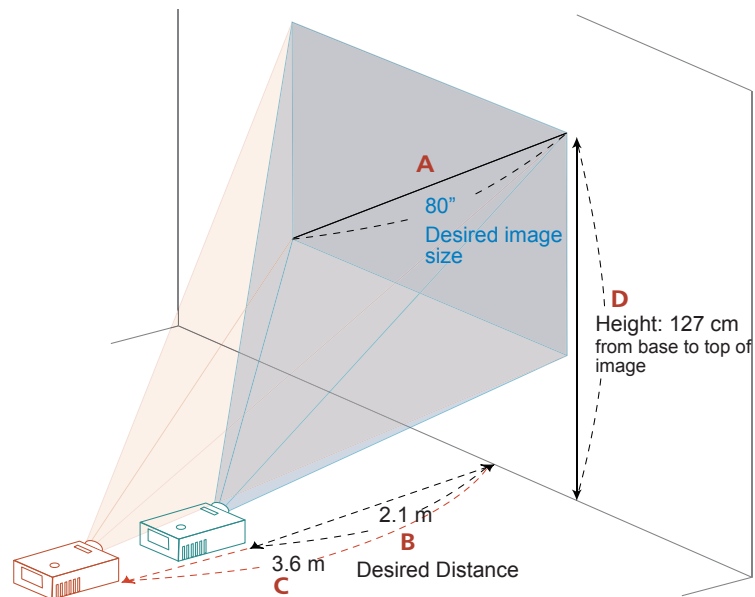
Desired image size		Distance (m)		Top (cm)
Diagonal (inch) <A>	W (cm) x H (cm)	Max zoom 	Min zoom <C>	From base to top of image <D>
31.5	68 x 42	0.8	1.4	51
40	86 x 54	1.0	1.8	65
50	108 x 67	1.3	2.2	81
60	129 x 81	1.6	2.6	97
70	151 x 94	1.8	3.1	113
82	177 x 110	2.1	3.6	132
90	194 x 121	2.3	4.0	145
100	215 x 135	2.6	4.4	162
120	258 x 162	3.1	5.3	194
150	323 x 202	3.9	6.6	242
180	388 x 242	4.7	7.9	291
200	431 x 269	5.2	8.8	323
250	538 x 337	6.5	11.0	404
301	648 x 405	7.8	13.2	486

Zoom Ratio: 1.7x

ADDITIONAL INFORMATION

4K series

To obtain an image size of 80" set the projector at a distance 2.1 m and 3.6 m from the screen.



Desired image size		Distance (m)		Top (cm)
Diagonal (inch) <A>	W (cm) x H (cm)	Max zoom 	Min zoom <C>	From base to top of image <D>
30	66 x 37	0.8	1.4	47
40	89 x 50	1.1	1.8	63
50	111 x 62	1.3	2.3	79
60	133 x 75	1.6	2.7	95
70	155 x 87	1.9	3.2	111
80	177 x 100	2.1	3.6	127
90	199 x 112	2.4	4.1	142
100	221 x 125	2.7	4.5	158
150	332 x 187	4.0	6.8	237
180	398 x 224	4.8	8.1	285
200	443 x 249	5.3	9.0	316
250	553 x 311	6.6	11.3	395
300	664 x 374	8.0	13.5	474

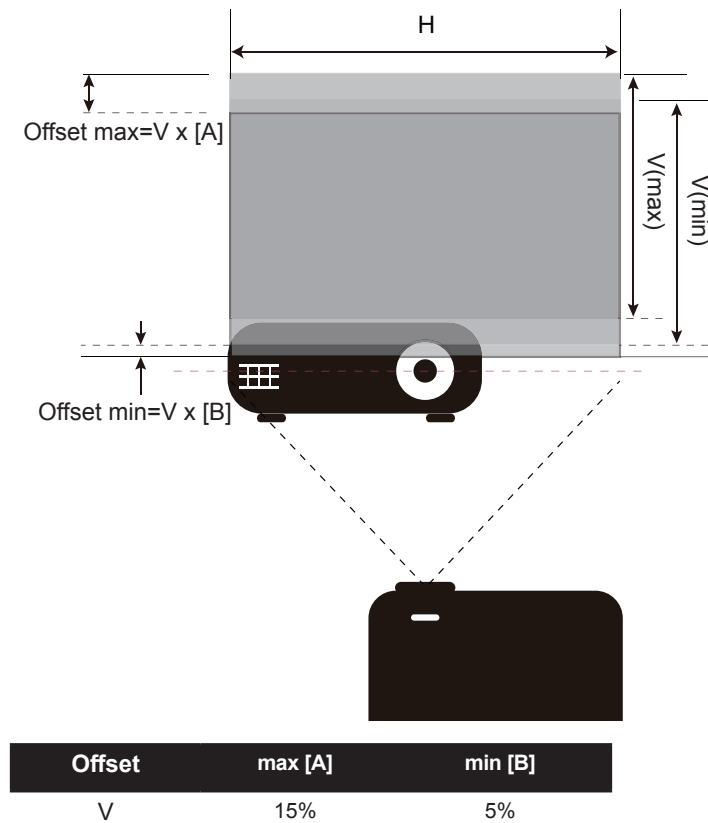
Zoom Ratio: 1.7x

ADDITIONAL INFORMATION

The projector is equipped with lens shift for adjusting the position of projected image up and down without requiring you to physically move the projector.

Note: The figures shown in this section are for reference only not approximate value. The figures between units can be different due to assembly tolerance.

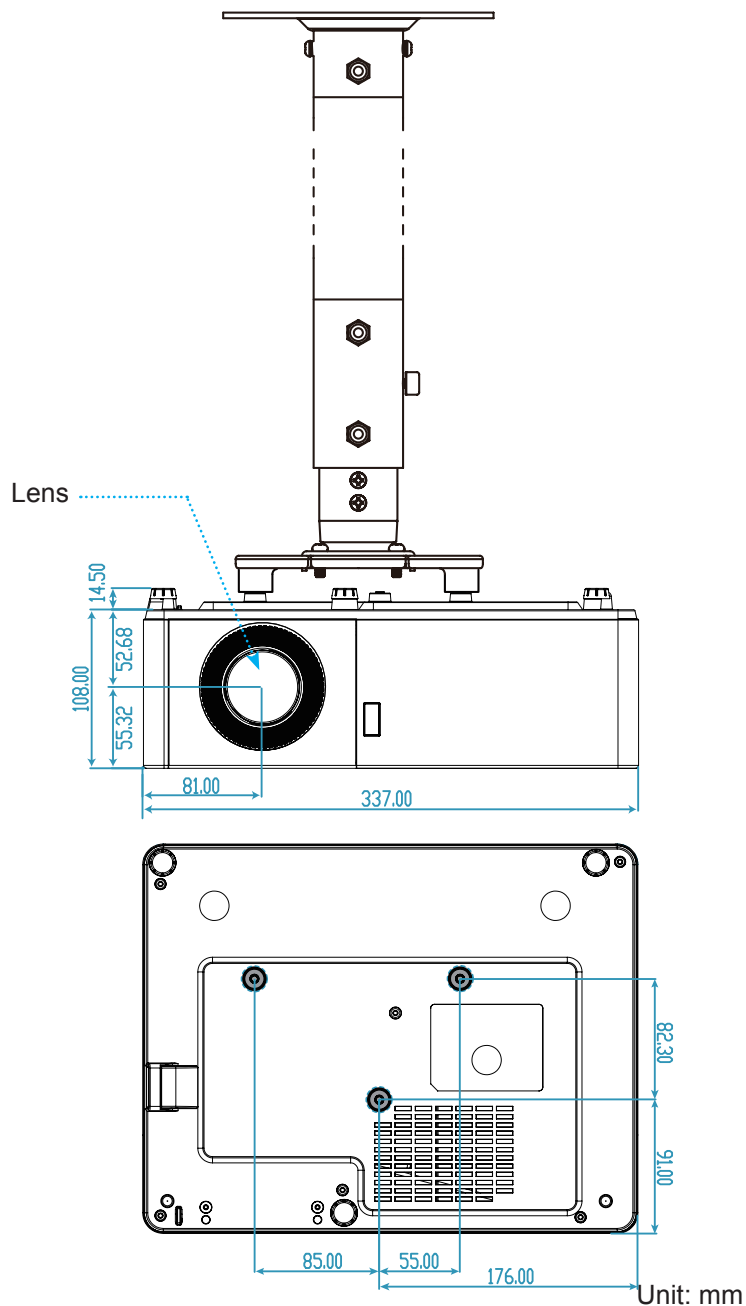
The vertical height can be adjusted between 5% and 15% of the image height. (The typical vertical image offset is fixed at 15% of the image height above the center of the projector lens.)



ADDITIONAL INFORMATION

Projector dimensions and ceiling mount installation

1. To prevent damage to your projector, please use the Acer ceiling mount.
2. If you wish to use a third party ceiling mount kit, please ensure the screws used to attach a mount to the projector meet the following specifications:
 - Screw type: M4*10
 - Minimum screw length: 10mm



Note: Please note that damage resulting from incorrect installation will void the warranty.



Warning:







- If you buy a ceiling mount from another company, please be sure to use the correct screw size. Screw size will vary depending on the thickness of the mounting plate.
- Be sure to keep at least 10 cm gap between the ceiling and the bottom of the projector.
- Avoid installing the projector near a heat source.

ADDITIONAL INFORMATION

Troubleshooting

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

Image problems

-  *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.
 - Ensure that the "Mute" feature is not turned on.
-  *Image is out of focus*
- Turn the focus ring clockwise or counterclockwise until the image is sharp and legible. (Please see page 21).
 - Make sure the projection screen is between the required distance from the projector. (Please refer to pages 48-50).
-  *The image is stretched when displaying 16:9 DVD title*
- When you play anamorphic DVD or 16:9 DVD, the projector will show the best image in 16: 9 format on projector side.
 - If you play the LBX format DVD title, please change the format as LBX in projector OSD.
 - If you play 4:3 format DVD title, please change the format as 4:3 in projector OSD.
 - Please setup the display format as 16:9 (wide) aspect ratio type on your DVD player.
-  *Image is too small or too large*
- Turn the zoom lever clockwise or counterclockwise to increase or decrease the projected image size. (Please see page 21).
 - Move the projector closer to or further from the screen.
 - Press "Menu" on the projector panel, go to "Display → Aspect Ratio". Try the different settings.
-  *Image has slanted sides:*
- If possible, reposition the projector so that it is centered on the screen and below the bottom of the screen.
-  *Image is reversed*
- Select "Setup → Projection" from the OSD and adjust the projection direction.

ADDITIONAL INFORMATION

Other problems



The projector stops responding to all controls

- If possible, turn off the projector, then unplug the power cord and wait at least 20 seconds before reconnecting power.

Remote control problems



If the remote control does not work

- Check the operating angle of the remote control is pointed within $\pm 20^\circ$ to the IR receiver on the projector.
- Make sure there are not any obstructions between the remote control and the projector. Move to within 5 m (16.4 ft) of the projector.
- Make sure batteries are inserted correctly.
- Replace batteries if they are exhausted.

ADDITIONAL INFORMATION

Warning indicators

When the warning indicators (see below) light up or flash, the projector will automatically shutdown:

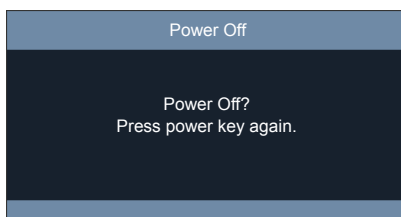
- “Lamp” LED indicator is lit red and if “Power” indicator flashes red.
- “Temp” LED indicator is lit red and if “Power” indicator flashes red. This indicates the projector has overheated. Under normal conditions, the project can be switched back on.
- “Temp” LED indicator flashes red and if “Power” indicator flashes red.

Unplug the power cord from the projector, wait for 30 seconds and try again. If the warning indicator light up or flash, please contact your nearest service center for assistance.

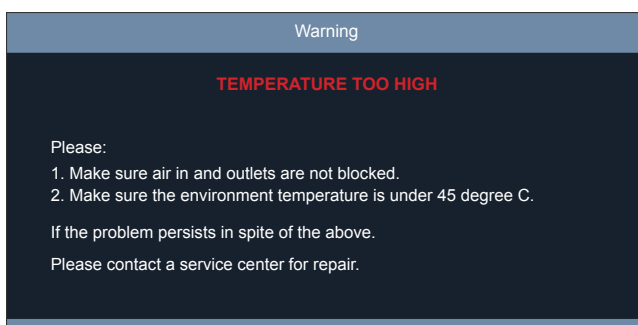
LED lightning messages

Message	Power LED		Temp LED	Lamp LED
	(Red)	(Blue)	(Red)	(Red)
Standby state (Input power cord)	Steady light			
Power on (Warming)		Flashing (0.5 sec off / 0.5 sec on)		
Power on and Lamp lighting		Steady light		
Power off (Cooling)		Flashing (0.5 sec off / 0.5 sec on). Back to red steady light when cooling fan turns off.		
Error (Lamp failure)	Flashing			Steady light
Error (Fan failure)	Flashing		Flashing	
Error (Over temp.)	Flashing		Steady light	

- Power off:



- Temperature warning:



ADDITIONAL INFORMATION

Specifications

Optical	Description
Maximum resolution	1080P/WUXGA: HDMI 1: 3840 x 2160@60Hz HDMI 2: 1920 x 1200@60Hz (RB) 4K:3840 x 2160@60Hz
Native resolution	<ul style="list-style-type: none">• 1080P 1920 (H) x 1080 (V)• WUXGA 1920 (H) x 1200 (V)• 4K 1920 (H)x1080 (V)
Lens	Manual zoom and manual focus
Image size (diagonal)	<ul style="list-style-type: none">• 1080p/WUXGA/4K: 30"~300" (76cm~762cm)
Projection distance	<ul style="list-style-type: none">• 1080P:1m~8m (3.3"~26.1")• WUXGA:1m~7.8m (3.3"~25.6")• 4K:1m~8m (3.3"~26.1")

Electrical	Description
Inputs	<ul style="list-style-type: none">• HDMI 1.4• HDMI 2.0
Outputs	<ul style="list-style-type: none">• Audio Out 3.5mm• USB Type-A for DC 5V Out
Control	<ul style="list-style-type: none">• RS232• RJ-45 (support web control)
Color reproduction	1.07 billion colors
Scan rate	<ul style="list-style-type: none">• Horizontal scan rate: 15.000~135 KHz• Vertical scan rate: 24~120 Hz
Built-in speaker	15W*2
Power requirement	100 - 240V ±10%, AC 50/60Hz
Input current	3.2A

Mechanical	Description
Installation orientation	Front, Rear, Ceiling-top, Rear-top
Dimensions	<ul style="list-style-type: none">• 337mm x 265mm x 122.5mm (with feet) (13.3" x 10.4" x 4.82")
Weight	<ul style="list-style-type: none">• 1080P/WUXGA: 4.8 kg (10.6 lbs)• 4K: 4.9 kg (10.8 lbs)
Environmental conditions	Operating in 5 ~ 40°C , 10% to 85% humidity (non-condensing)

Note: All specifications are subject to change without notice.

ADDITIONAL INFORMATION

Regulations and safety notices

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Notice: Peripheral devices

Only peripherals (input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this equipment. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this device.

Operation conditions

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice: Canadian users

This Class B digital apparatus complies with Canadian ICES-003.

Remarque à l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Compliant with Russian/ Ukraine regulatory certification



Radio device regulatory notice

Note: The regulatory information below is for models with wireless LAN and/or Bluetooth only.

ADDITIONAL INFORMATION

General

This product complies with the radio frequency and safety standards of any country or region in which it has been approved for wireless use. Depending on configurations, this product may or may not contain wireless radio devices (such as wireless LAN and/or Bluetooth modules).

Canada — Low-power license-exempt radio communication devices (RSS-247)

a Common information

Operation is subject to the following two conditions:

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

b Operation in 2.4 GHz band

To prevent radio interference to the licensed service, this device is intended to be operated indoors and installation outdoors is subject to licensing.

List of applicable countries

This device must be used in strict accordance with the regulations and constraints in the country of use. For further information, please contact the local office in the country of use.

Please see <http://ec.europa.eu/enterprise/rtte/implem.htm> for the latest country list.

Recycling Information for the United States of America

Acer encourages information technology (IT) equipment owners to responsibly recycle their equipment when it is no longer needed. Acer offers programs and services to assist equipment owners with this process.

For more information on recycling IT equipment, please go to: <https://www.acer.com/ac/en/US/content/recycling>