ViewSonic®

LS710HD
LS751HD

Projector
User Guide

IMPORTANT: Please read this User Guide to obtain important information on installing and using your product in a safe manner, as well as registering your product for future service. Warranty information contained in this User Guide will describe your limited coverage from ViewSonic® Corporation, which is also found on our web site at http://www.viewsonic.com in English, or in specific languages using the Regional selection box on our website.

Model No. VS19338 | VS19337
P/N: LS710HD | LS751HD

Thank you for choosing ViewSonic®

As a world-leading provider of visual solutions, ViewSonic® is dedicated to exceeding the world's expectations for technological evolution, innovation, and simplicity. At ViewSonic®, we believe that our products have the potential to make a positive impact in the world, and we are confident that the ViewSonic® product you have chosen will serve you well.

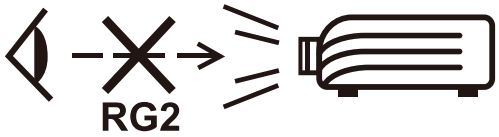
Once again, thank you for choosing ViewSonic®!

Safety Precautions

Please read the following **Safety Precautions** before you start using the projector.

- Keep this user guide in a safe place for later reference.
- Read all warnings and follow all instructions.
- Allow at least 20“ (50 cm) clearance around the projector to ensure proper ventilation.
- Place the projector in a well-ventilated area. Do not place anything on the projector that prevents heat dissipation.
- Do not place the projector on an uneven or unstable surface. The projector may fall over, causing personal injury or projector malfunction.
- Do not look straight at the projector lens during operation. The intense light beam may damage your eyes.
- Always open the lens shutter or remove the lens cap when the projector lamp is on.
- Do not block the projection lens with any objects when the projector is under operation as this could cause objects to become heated and deformed or even cause a fire.
- The lamp becomes extremely hot during operation. Allow the projector to cool for approximately 45 minutes prior to removing the lamp assembly for replacement.
- Do not use lamps beyond the rated lamp life. Excessive use of lamps beyond the rated life could cause them to break on rare occasions.
- Never replace the lamp assembly or any electronic component unless the projector is unplugged.
- Do not attempt to disassemble the projector. There are dangerous high voltages inside which may cause death if you should come into contact with live parts.
- When moving the projector, be careful not to drop or bump the projector on anything.
- Do not place any heavy objects on the projector or connection cables.
- Do not stand the projector on end vertically. Doing so may cause the projector to fall over, causing personal injury or projector malfunction.
- Avoid exposing the projector to direct sunlight or other sources of sustained heat. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that may increase the temperature of the projector to dangerous levels.

- Do not place liquids near or on the projector. Liquids spilled into the projector may cause it to fail. If the projector does become wet, disconnect it from the power supply and call your local service center to have the projector serviced.
- When the projector is under operation, you may sense some heated air and odor from its ventilation grill. It is a normal operation and not a defect.
- Do not attempt to circumvent the safety provisions of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide and third blade are provided for your safety. If the plug does not fit into your outlet, obtain an adapter and do not attempt to force the plug into the outlet.
- When connecting to a power outlet, DO NOT remove the grounding prong. Please ensure grounding prongs are NEVER REMOVED.
- Protect the power cord from being treaded upon or pinched, particularly at the plug, and at the point where it emerges from the projector.
- In some countries, the voltage is NOT stable. This projector is designed to operate safely within a voltage between 100 to 240 volts AC, but could fail if power cuts or surges of ±10 volts occur. In areas where voltage may fluctuate or cut out, it is recommended that you connect your projector through a power stabilizer, surge protector, or uninterruptable power supply (UPS).
- If smoke, an abnormal noise, or a strange odor is present, immediately switch the projector off and call your dealer or ViewSonic®. It is dangerous to continue using the projector.
- Use only attachments/accessories specified by the manufacturer.
- Disconnect the power cord from the AC outlet if the projector is not being used for a long period of time.
- Refer all servicing to qualified service personnel.



CAUTION: Possibly hazardous optical radiation is emitted from this product. As with any bright light source, do not stare into the beam, RG2 IEC 62471-5:2015.

Safety Precautions - Ceiling Mounting

Please read the following **Safety Precautions** before you start using the projector.

If you intend to mount the projector on the ceiling, it is strongly recommended that you use a proper fitting projector ceiling mount kit and that you ensure it is securely and safely installed.

If you use an inappropriate projector ceiling mount kit, there is a safety risk that the projector may fall from the ceiling due to an improper attachment through the use of the wrong gauge or length screws.

Contents

Safety Precautions 3

Introduction 9

Package Contents - LS710HD 9
Package Contents - LS751HD 10
Product Overview 11
Projector 11
Keypad 12
Indicator Lights 12
I/O Ports 13
Remote Control 14

Initial Setup 18

Choosing a Location - Projection Orientation 18
Projection Dimensions - LS710HD 19
Projection Dimensions - LS751HD 23
Mounting the Projector 27
Using the Security Bar 27

Making Connections 28

Connecting to Power 28
Connecting to External Devices 29
HDMI Connection 29
Audio Connection 30
USB and Network Connection 31
RS-232 Connection 32

Using the Projector 33

Starting Up the Projector 33
Selecting an Input Source 34
Adjusting the Projected Image 35
Adjusting the Projector's Height and Projection Angle 35
Adjusting the Focus, Keystone, and Lens Shift 36
Shutting Down the Projector 37

Operating the Projector 38

On-Screen Display (OSD) Menu 38

Menu Navigation 39

On-Screen Display (OSD) Menu Tree 40

Menu Operation 48

Display Menu 48

Audio Menu 54

Setup Menu 55

Network Menu 58

Information Menu 60

Appendix 61

Specifications 61

Projector Dimensions 62

Timing Chart 63

HDMI PC Timing 63

3D Support Timing 64

Troubleshooting 65

LED Indicators 67

Maintenance 68

General Precautions 68

Cleaning the Lens 68

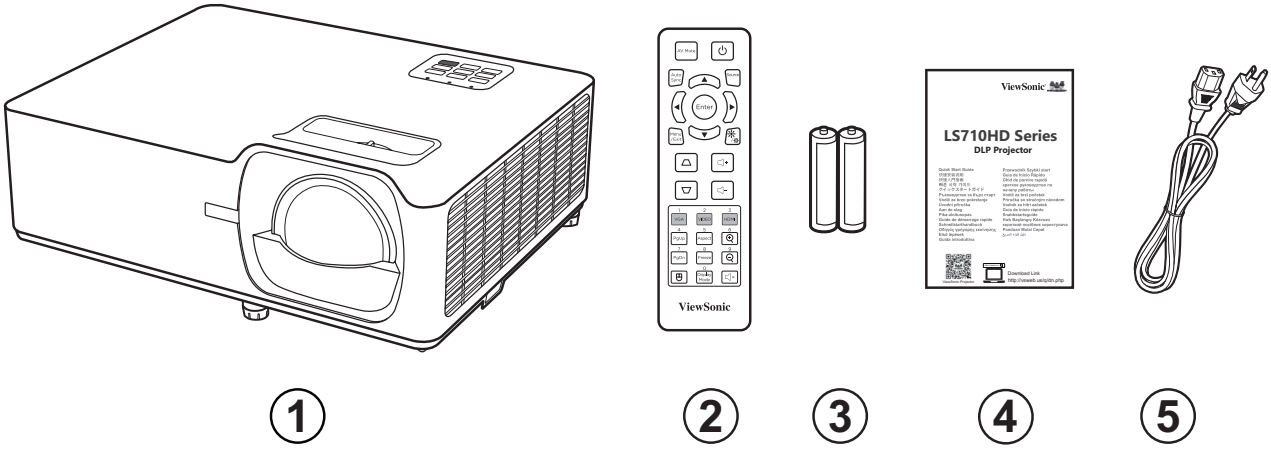
Cleaning the Case 68

Storing the Projector 68

Regulatory and Service Information 69
Compliance Information 69
FCC Compliance Statement 69
Industry Canada Statement 69
CE Conformity for European Countries 70
Declaration of RoHS2 Compliance 71
Indian Restriction of Hazardous Substances 72
Product Disposal at End of Product Life 72
Copyright Information 73
Customer Service 74
Limited Warranty 75
Mexico Limited Warranty 78

Introduction

Package Contents - LS710HD

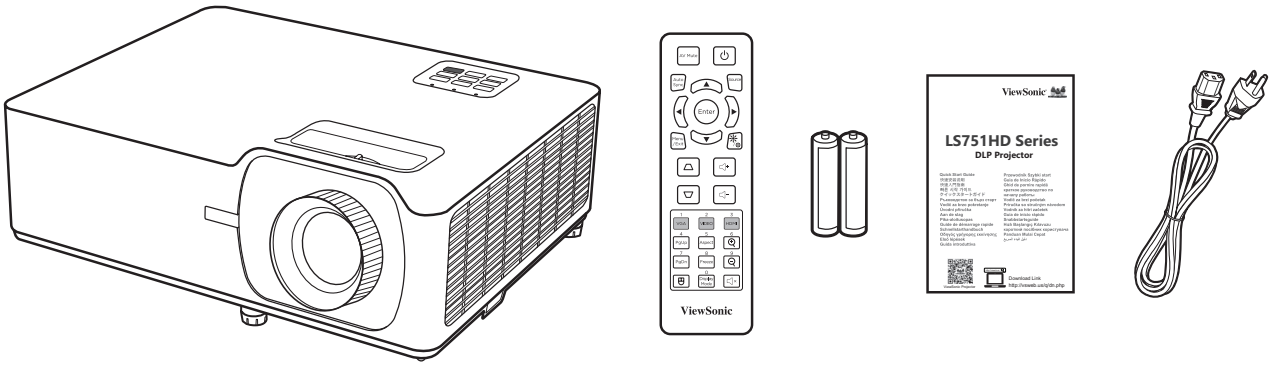


① ② ③ ④ ⑤

Number	Description
1	Projector
2	Remote Control
3	Batteries
4	Quick Start Guide
5	Power Cord

NOTE: The power cord and remote control included in your package may vary depending on your country. Please contact your local reseller for more information.

Package Contents - LS751HD



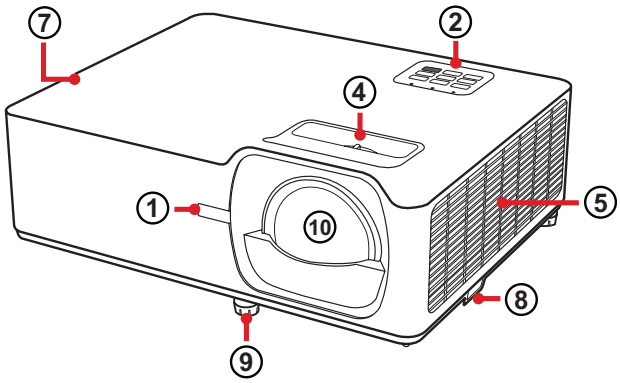
1 2 3 4 5

Number	Description
1	Projector
2	Remote Control
3	Batteries
4	Quick Start Guide
5	Power Cord

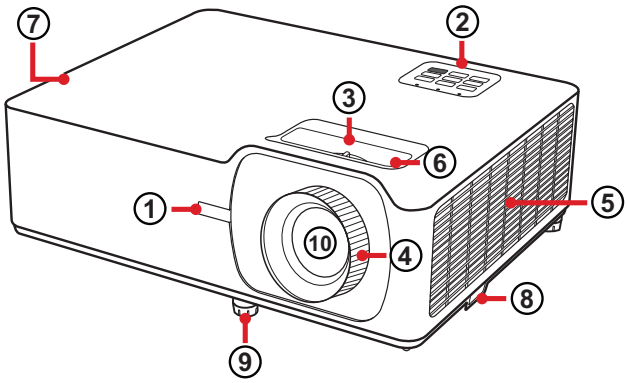
NOTE: The power cord and remote control included in your package may vary depending on your country. Please contact your local reseller for more information.

Product Overview

Projector



LS710HD

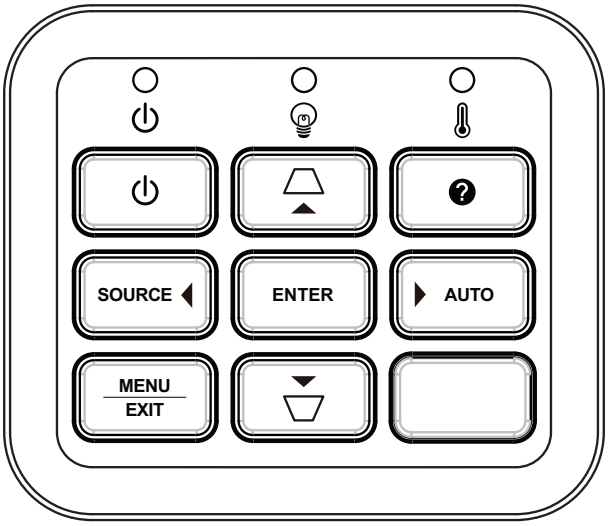


LS751HD

Number	Description
1	Remote IR Sensor
2	Keypad
3	Lens Shift
4	Focus Ring
5	Vent (inlet)
6	Zoom Ring
7	Vent (outlet)
8	Security Bar
9	Adjuster Foot
10	Projection Lens

NOTE: Do not block projector intake and exhaust vents.

Keypad

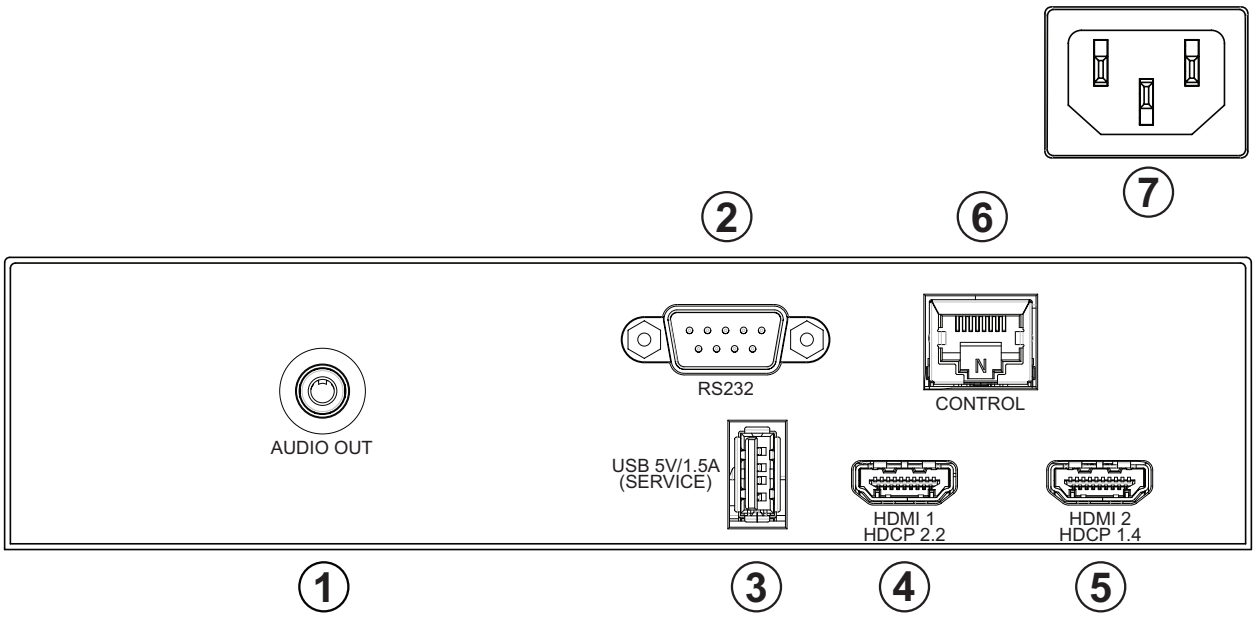


Key		Description
⏻	**Power**	Toggles the projector between standby mode and Power On.
⏢⏢	**Keystone**	Manually corrects distorted images resulting from an angled projection.
◀▶▲▼	**Navigation**	Selects the desired menu items and makes adjustments when the On-Screen Display (OSD) Menu is activated.
MENU / EXIT	**Menu/Exit**	Turns on or off the On-Screen Display (OSD) Menu.
SOURCE	**Source**	Displays the input source selection bar.
?	**Information**	Displays the INFORMATION menu.
ENTER	**Enter**	Enacts the selected On-Screen Display (OSD) Menu item when the OSD Menu is activated.
AUTO	**Auto**	Automatically determines the best picture timings for the displayed image.

Indicator Lights

Indicator Light	Description
○ ⏻	Power indicator light
○ 💡	Light source indicator light
○ 🌡	Temperature indicator light

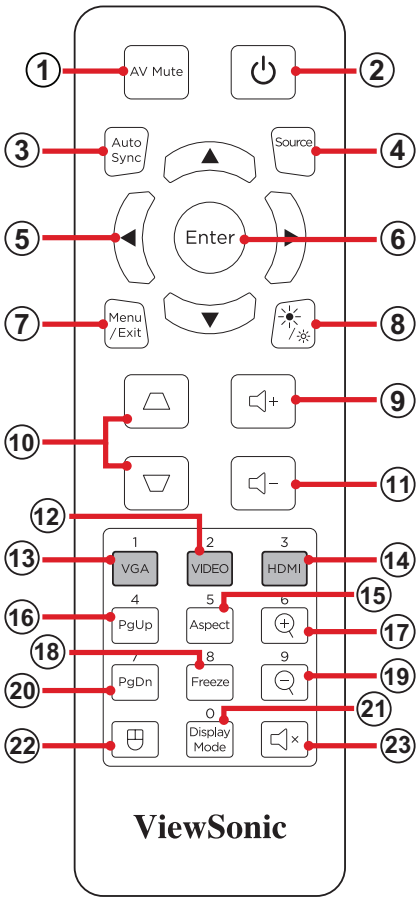
I/O Ports



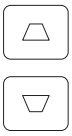
Port		Description
1	**AUDIO OUT**	Audio signal output socket.
2	**RS-232**	RS-232 control port.
3	**USB (5V/1.5A Out) (Service)**	USB Type A port for power and service.
4	**HDMI 1[1]**	HDMI port.
5	**HDMI 2[2]**	HDMI port.
6	**RJ-45**	LAN port.
7	**AC IN**	AC IN socket.

[1] Supports HDCP 2.2.
[2] Supports HDCP 1.4.

Remote Control



Button			Description
1	**AV Mute**	AV Mute	Hides the screen picture and volume mute.
2	**Power**		Turns the projector On or Off
3	**Auto Sync**	Auto Sync	Automatically determines the best picture timings for the displayed image.
4	**Source**	Source	Displays the input source selection bar.
5	**Navigation Buttons**		Navigates and selects the desired menu items and make adjustments.
6	**Enter**	Enter	Confirms the selection.
7	**Menu/Exit**	Menu /Exit	• Turns the On-Screen Display (OSD) Menu On or Off. • Go back to a previous OSD Menu. • Exit and Save menu settings.
8	**Brightness**		Displays the brightness mode selection bar.
9	**Volume Up**		Increase the volume level.

Button			Description
10	**Keystone**		Manually correct distorted images.
11	**Volume Down**		Decrease the volume level.
12	**Video**		*Unsupported Button*
13	**VGA**		*Unsupported Button*
14	**HDMI**		Selects the **HDMI 1** or **HDMI 2** input source.
15	**Aspect**		Displays the aspect ratio selection bar.
16	**Page Up**		*Unsupported Button*
17	**Zoom In**		Increases the projected image size.
18	**Freeze**		Freeze the projected image.
19	**Zoom Out**		Reduces the projected image size.
20	**Page Down**		*Unsupported Button*
21	**Display Mode**		Displays the color mode selection bar.
22	**Mouse Mode**		*Unsupported Button*
23	**Mute**		Mute/Unmute.

Remote Control - Receiver Range

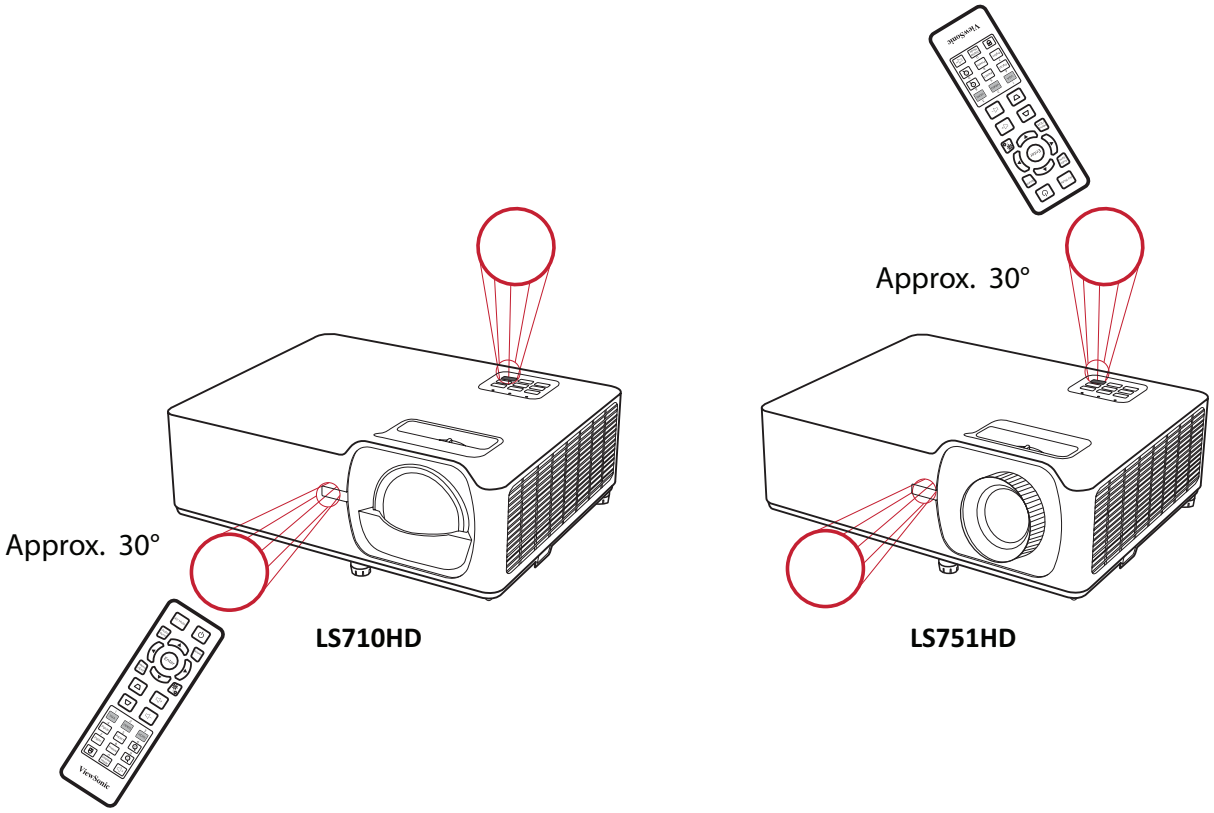
To ensure proper function of the remote control follow the steps below:

1. The remote control must be held at an angle within 30° perpendicular to the projector's IR remote control sensor(s).

2. The distance between the remote control and the sensor(s) should not exceed:

- Front IR: 10 m (32.8 ft.)
- Top IR: 7 m (23 ft.)

NOTE: Refer to the illustration for the location of the infrared (IR) remote control sensor(s).

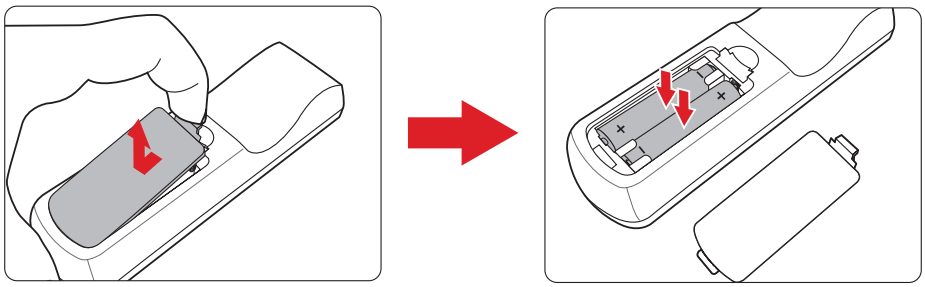


LS710HD **LS751HD**

Remote Control - Replacing the Batteries

1. Remove the battery cover from the bottom of the remote control by pressing the finger grip and sliding it across.
2. Remove any existing batteries (if necessary) and install two AAA batteries.

   NOTE: Observe the battery's polarities as indicated.
3. Replace the battery cover by aligning it with the base and pushing it back into position.



NOTE:

- Avoid leaving the remote control and batteries in excessive heat or a humid environment.
- Replace only with the same or equivalent type recommended by the battery manufacturer.
- If the batteries are drained or if you will not be using the remote control for an extended period of time, remove the batteries to avoid damage to the remote control.
- Dispose of the used batteries according to the manufacturer's instructions and local environment regulations for your region.

Initial Setup

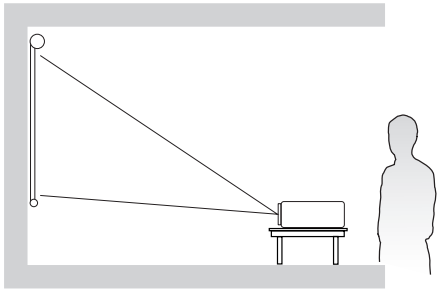
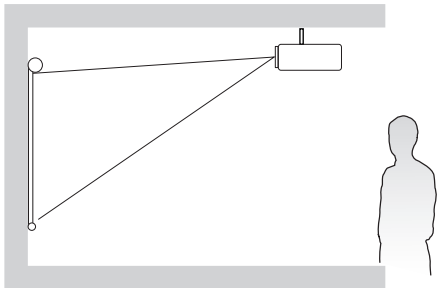
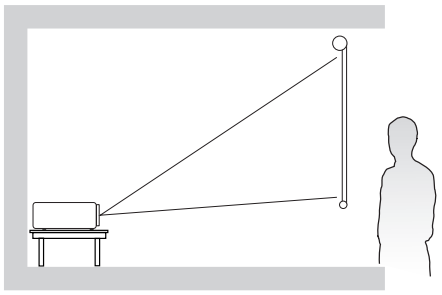
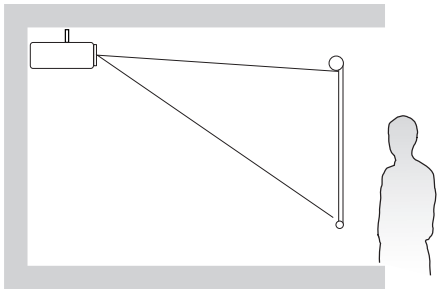
This section provides detailed instructions for the initial set up your projector.

Choosing a Location - Projection Orientation

Personal preference and room layout will decide the installation location. Consider the following:

- Size and position of your screen.
- Location of a suitable power outlet.
- Location and distance between the projector and other equipment.

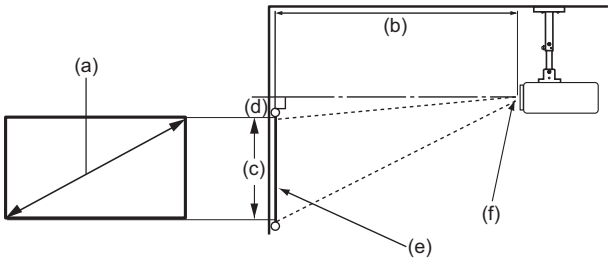
The projector is designed to be installed in one of the following locations:

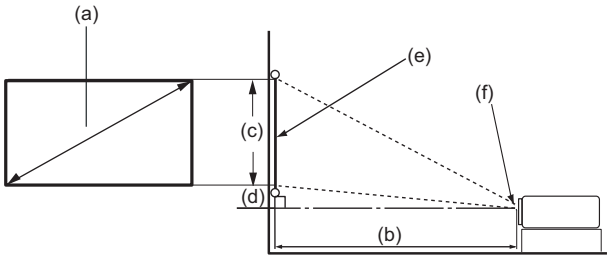
Location	
Front The projector is placed near the floor in front of the screen.	
Ceiling-Top The projector is suspended upside-down from the ceiling in front of the screen.	
Rear[1] The projector is placed near the floor behind the screen.	
Rear-Top[1] The projector is suspended upside-down from the ceiling behind the screen.	

[1] A rear projection screen is required.

Projection Dimensions - LS710HD

- 16:9 Image on a 16:9 Screen





NOTE:

- (e) = Screen
  (f) = Center of Lens

16:9 Image on a 16:9 Screen

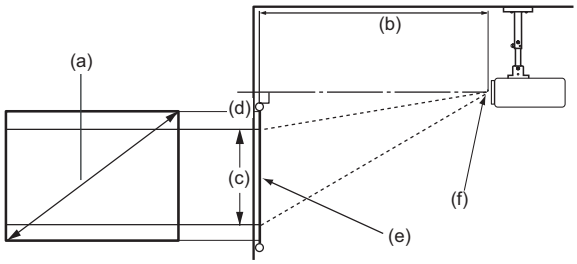
(a) Screen Size		(b) Projection Distance				(c) Image Height		(d) Vertical Offset	
		Minimum		Maximum					
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
40	1016	17.29	439	17.29	439	19.61	498	3.14	80
50	1270	21.62	549	21.62	549	24.50	622	3.92	100
60	1524	25.94	659	25.94	659	29.40	747	4.70	119
70	1778	30.26	769	30.26	769	34.30	871	5.49	139
80	2032	34.58	878	34.58	878	39.20	996	6.27	159
90	2286	38.91	988	38.91	988	44.10	1120	7.06	179
100	2540	43.23	1098	43.23	1098	49.00	1245	7.84	199

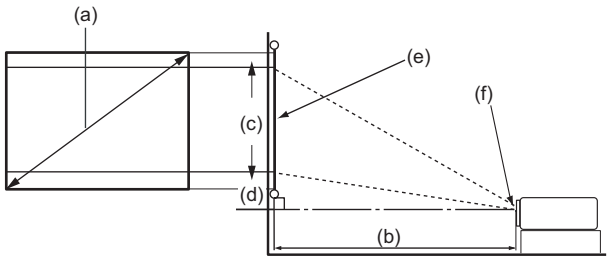
(a) Screen Size		(b) Projection Distance				(c) Image Height		(d) Vertical Offset	
		Minimum		Maximum					
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
110	2794	47.55	1208	47.55	1208	53.90	1369	8.62	219
120	3048	51.88	1318	51.88	1318	58.80	1494	9.41	239
130	3302	56.20	1427	56.20	1427	63.70	1618	10.19	259
140	3556	60.52	1537	60.52	1537	68.60	1742	10.98	279
150	3810	64.85	1647	64.85	1647	73.50	1867	11.76	299
200	5080	86.46	2196	86.46	2196	98.10	2492	15.70	399
250	6350	108.08	2745	108.08	2745	122.60	3114	19.62	498
300	7633	129.92	3300	129.92	3300	147.30	3741	23.57	599

NOTE:

- These figures are for reference purposes only. Please refer to the actual projector for the precise dimensions.
- It is recommended that if you intend to permanently install the projector to physically test the projection size and distance using the actual projector before you permanently install it.

- 16:9 Image on a 4:3 Screen





NOTE:

- (e) = Screen
  (f) = Center of Lens

16:9 Image on a 4:3 Screen

(a) Screen Size		(b) Projection Distance				(c) Image Height		(d) Vertical Offset	
		Minimum		Maximum					
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
40	1016	15.87	403	15.87	403	18.00	457	2.88	73
50	1270	19.84	504	19.84	504	22.50	572	3.60	91
60	1524	23.81	605	23.81	605	27.00	686	4.32	110
70	1778	27.78	706	27.78	706	31.50	800	5.04	128
80	2032	31.74	806	31.74	806	36.00	914	5.76	146
90	2286	35.71	907	35.71	907	40.50	1029	6.48	165
100	2540	39.68	1008	39.68	1008	45.00	1143	7.20	183

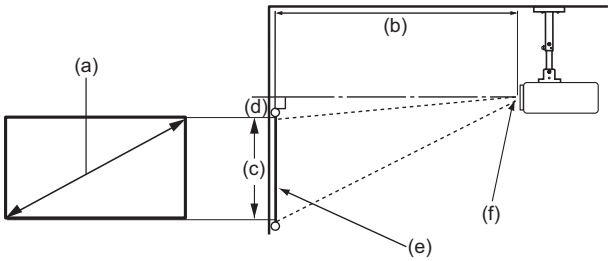
(a) Screen Size		(b) Projection Distance				(c) Image Height		(d) Vertical Offset	
		Minimum		Maximum					
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
110	2794	43.65	1109	43.65	1109	49.50	1257	7.92	201
120	3048	47.62	1209	47.62	1209	54.00	1372	8.64	219
130	3302	51.58	1310	51.58	1310	58.50	1486	9.36	238
140	3556	55.55	1411	55.55	1411	63.00	1600	10.08	256
150	3810	59.52	1512	59.52	1512	67.50	1715	10.80	274
200	5080	79.36	2016	79.36	2016	90.00	2286	14.40	366
250	6350	99.20	2520	99.20	2520	112.50	2858	18.00	457
300	7633	119.25	3029	119.25	3029	135.24	3435	21.64	550

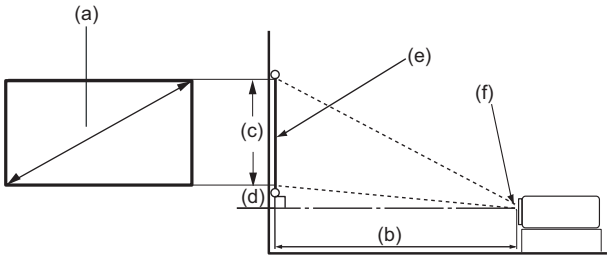
NOTE:

- These figures are for reference purposes only. Please refer to the actual projector for the precise dimensions.
- It is recommended that if you intend to permanently install the projector to physically test the projection size and distance using the actual projector before you permanently install it.

Projection Dimensions - LS751HD

- 16:9 Image on a 16:9 Screen





NOTE:

- (e) = Screen
  (f) = Center of Lens

16:9 Image on a 16:9 Screen

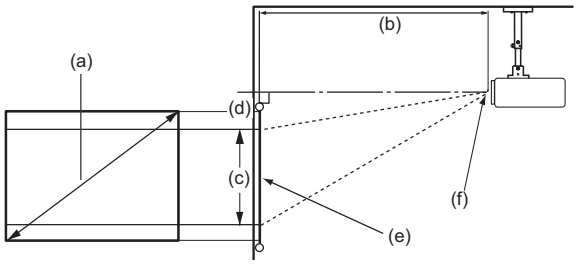
(a) Screen Size		(b) Projection Distance				(c) Image Height		(d) Vertical Offset			
		Minimum		Maximum				Minimum		Maximum	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
30	763	36.67	931	58.67	1490	14.73	374	0	0	2.65	67
40	1016	48.81	1240	78.09	1984	19.61	498	0	0	3.53	90
50	1270	61.01	1550	97.62	2479	24.51	623	0	0	4.41	112
60	1524	73.21	1860	117.14	2975	29.42	747	0	0	5.29	134
70	1778	85.41	2170	136.66	3471	34.32	872	0	0	6.18	157
80	2032	97.62	2479	156.19	3967	39.22	996	0	0	7.06	179
90	2286	109.82	2789	175.71	4463	44.12	1121	0	0	7.94	202
100	2540	122.02	3099	195.23	4959	49.03	1245	0	0	8.82	224

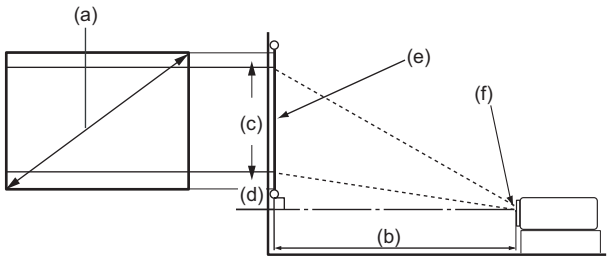
(a) Screen Size		(b) Projection Distance				(c) Image Height		(d) Vertical Offset			
		Minimum		Maximum				Minimum		Maximum	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
110	2794	134.22	3409	214.76	5455	53.93	1370	0	0	9.71	247
120	3048	146.42	3719	234.28	5951	58.83	1494	0	0	10.59	269
130	3302	158.63	4029	253.80	6447	63.73	1619	0	0	11.47	291
140	3556	170.83	4339	273.33	6942	68.64	1743	0	0	12.35	314
150	3810	183.03	4649	292.85	7438	73.54	1868	0	0	13.24	336
200	5080	244.04	6199	390.47	9918	98.05	2491	0	0	17.65	448
250	6350	305.05	7748	488.08	12397	122.57	3113	0	0	22.06	560
300	7622	366.15	9300	585.84	14880	147.11	3737	0	0	26.48	673

NOTE:

- These figures are for reference purposes only. Please refer to the actual projector for the precise dimensions.
- It is recommended that if you intend to permanently install the projector to physically test the projection size and distance using the actual projector before you permanently install it.

- 16:9 Image on a 4:3 Screen





NOTE:

- (e) = Screen
  (f) = Center of Lens

16:9 Image on a 4:3 Screen

(a) Screen Size		(b) Projection Distance				(c) Image Height		(d) Vertical Offset			
		Minimum		Maximum				Minimum		Maximum	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
30	763	34.16	868	54.66	1388	13.52	343	0	0	2.43	62
40	1016	44.80	1138	71.68	1821	18.00	457	0	0	3.24	82
50	1270	56.00	1422	89.60	2276	22.50	572	0	0	4.05	103
60	1524	67.20	1707	107.52	2731	27.00	686	0	0	4.86	123
70	1778	78.40	1991	125.44	3186	31.50	800	0	0	5.67	144
80	2032	89.60	2276	143.36	3641	36.00	914	0	0	6.48	165
90	2286	100.80	2560	161.28	4097	40.50	1029	0	0	7.29	185
100	2540	112.00	2845	179.20	4552	45.00	1143	0	0	8.10	206

(a) Screen Size		(b) Projection Distance				(c) Image Height		(d) Vertical Offset			
		Minimum		Maximum				Minimum		Maximum	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
110	2794	123.20	3129	197.12	5007	49.50	1257	0	0	8.91	226
120	3048	134.40	3414	215.04	5462	54.00	1372	0	0	9.72	247
130	3302	145.60	3698	232.96	5917	58.50	1486	0	0	10.53	267
140	3556	156.80	3983	250.88	6372	63.00	1600	0	0	11.34	288
150	3810	168.00	4267	268.80	6828	67.50	1715	0	0	12.15	309
200	5080	224.00	5690	358.40	9103	90.00	2286	0	0	16.20	411
250	6350	280.00	7112	448.00	11379	112.50	2858	0	0	20.25	514
300	7622	336.08	8536	537.60	13655	135.03	3430	0	0	24.31	617

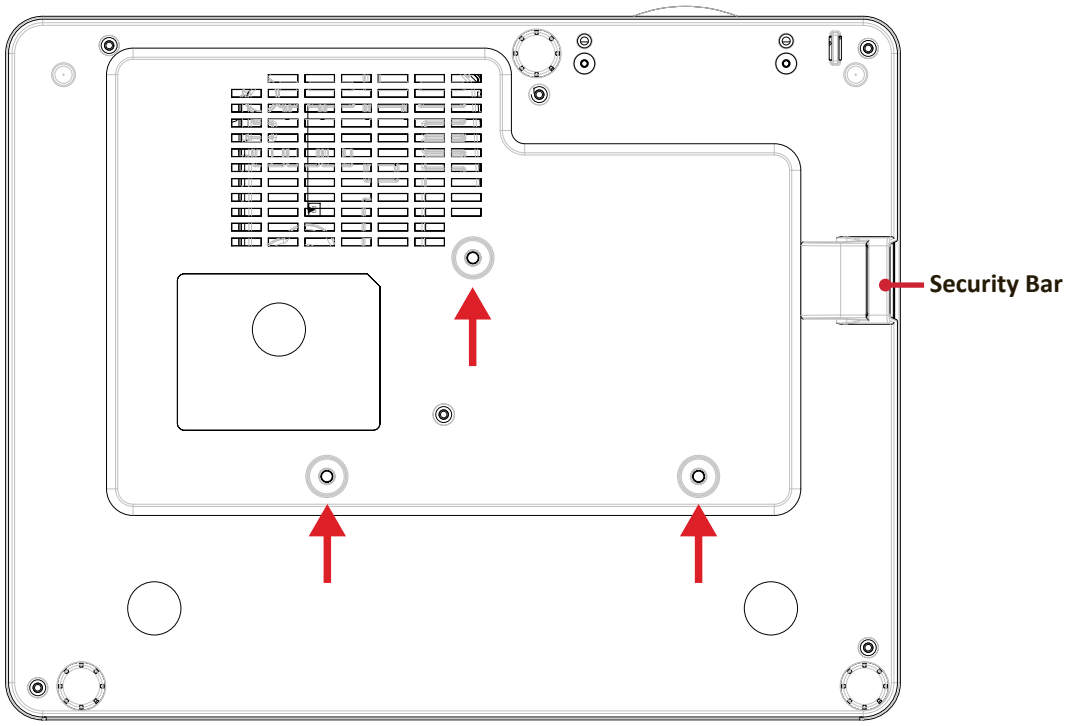
NOTE:

- These figures are for reference purposes only. Please refer to the actual projector for the precise dimensions.
- It is recommended that if you intend to permanently install the projector to physically test the projection size and distance using the actual projector before you permanently install it.

Mounting the Projector

NOTE: If you buy a third party mount, please use the correct screw size. Screw size can vary depending on the thickness of the mounting plate.

1. To ensure the most secure installation, please use a ViewSonic® wall or ceiling mount.
2. Ensure the screws used to attach the mount to the projector meet the following specifications:
    - Screw type: M4 x 10
    - Maximum Screw Length: 10 mm



CAUTION:

- Avoid installing the projector near a heat source or air conditioner.
- Keep at least a 10 cm (3.9 in.) gap between the ceiling and the bottom of the projector.

Using the Security Bar

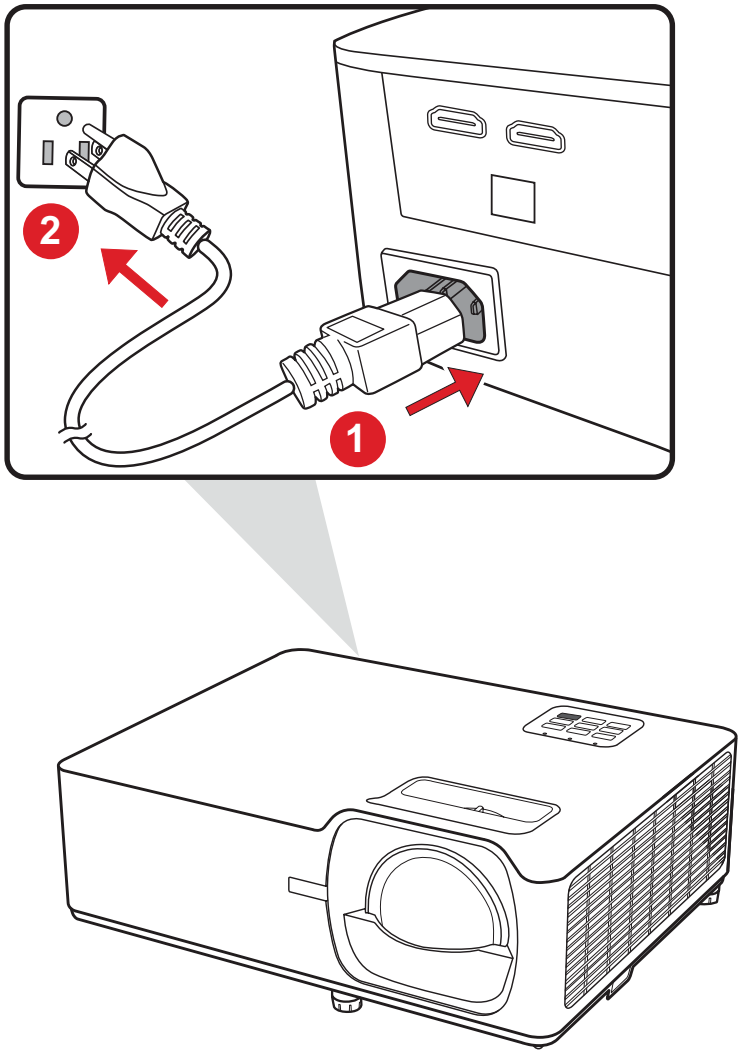
To help prevent the projector from being stolen, use a security slot locking device to secure the projector to a fixed object.

Making Connections

Connecting to Power

1. Connect the power cord to the AC IN jack at the rear of the projector.

2. Plug the power cord into a power outlet.



NOTE: When installing the projector, incorporate a readily accessible disconnect device in the fixed wiring, or connect the power plug to an easily accessible outlet near the unit. If a fault should occur during operation of the projector, use the disconnect device to switch off the power supply, or disconnect the power plug.

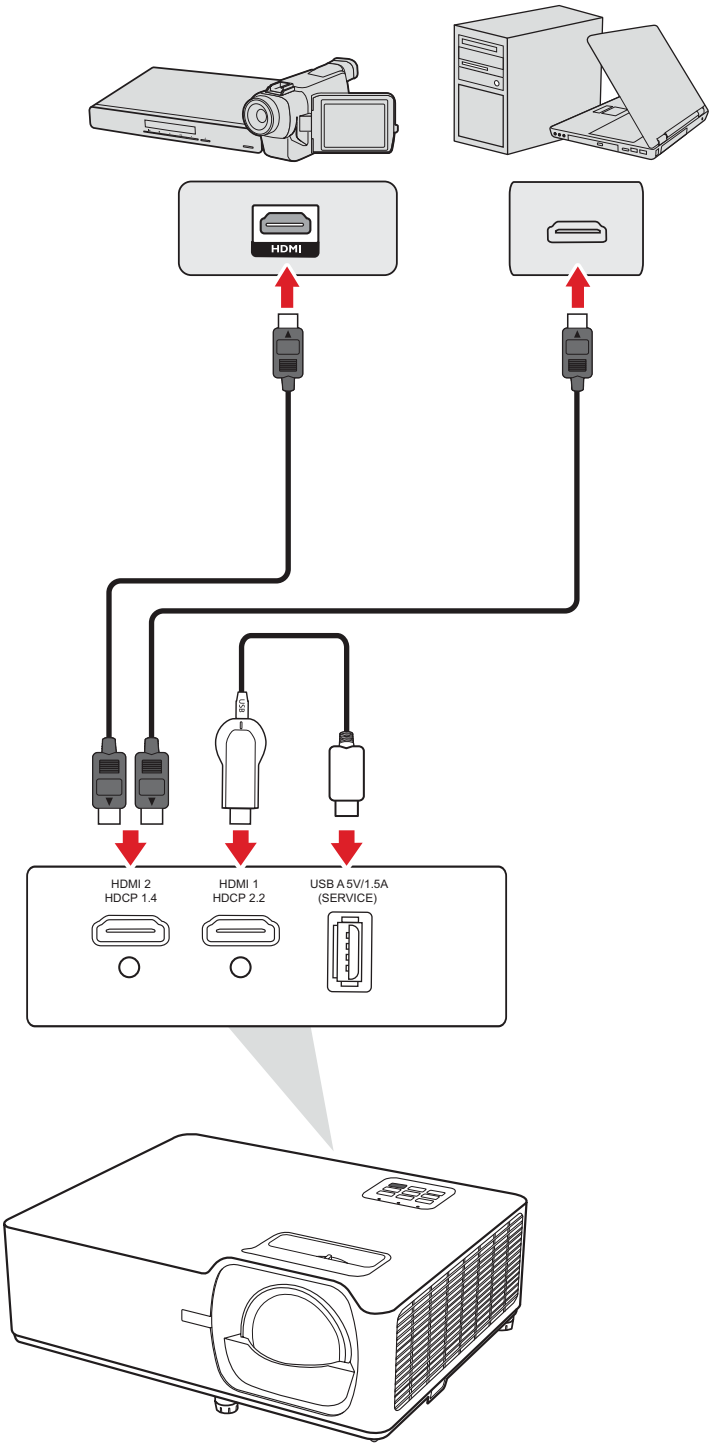
Connecting to External Devices

HDMI Connection

Connect one end of an HDMI cable to the HDMI port of your video device. Then connect the other end of the cable to the **HDMI 1/2** port of your projector.

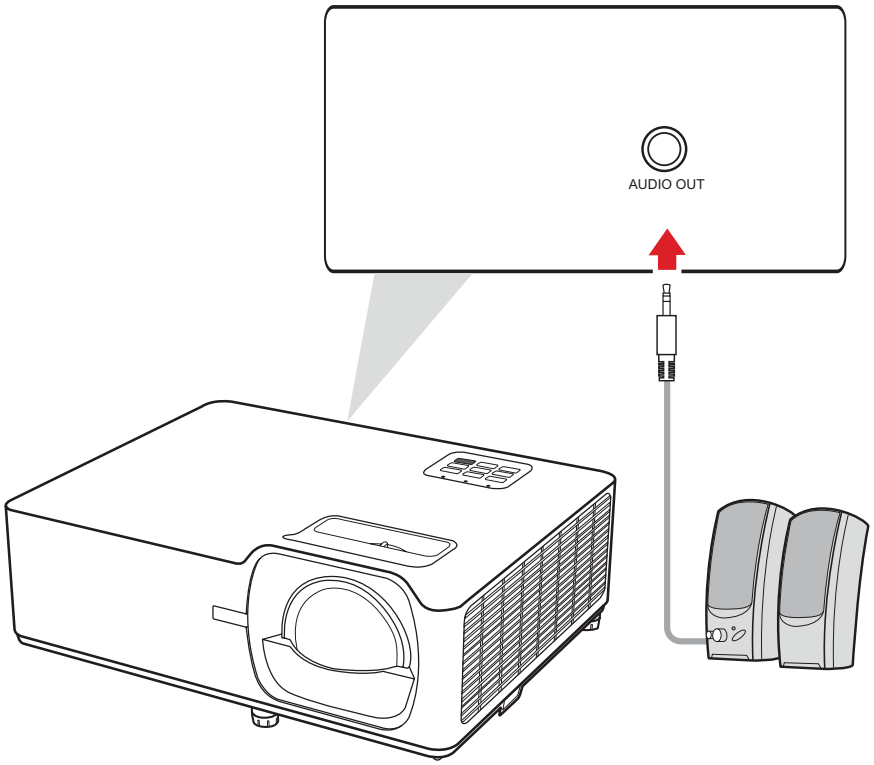
NOTE:

- iPhone/iPad users will need to use an additional adapter.
- The **HDMI 1** port supports HDCP 2.2.
- The **HDMI 2** port supports HDCP 1.4.



Audio Connection

You can connect to various external sound delivery devices via the **Audio Out** port.



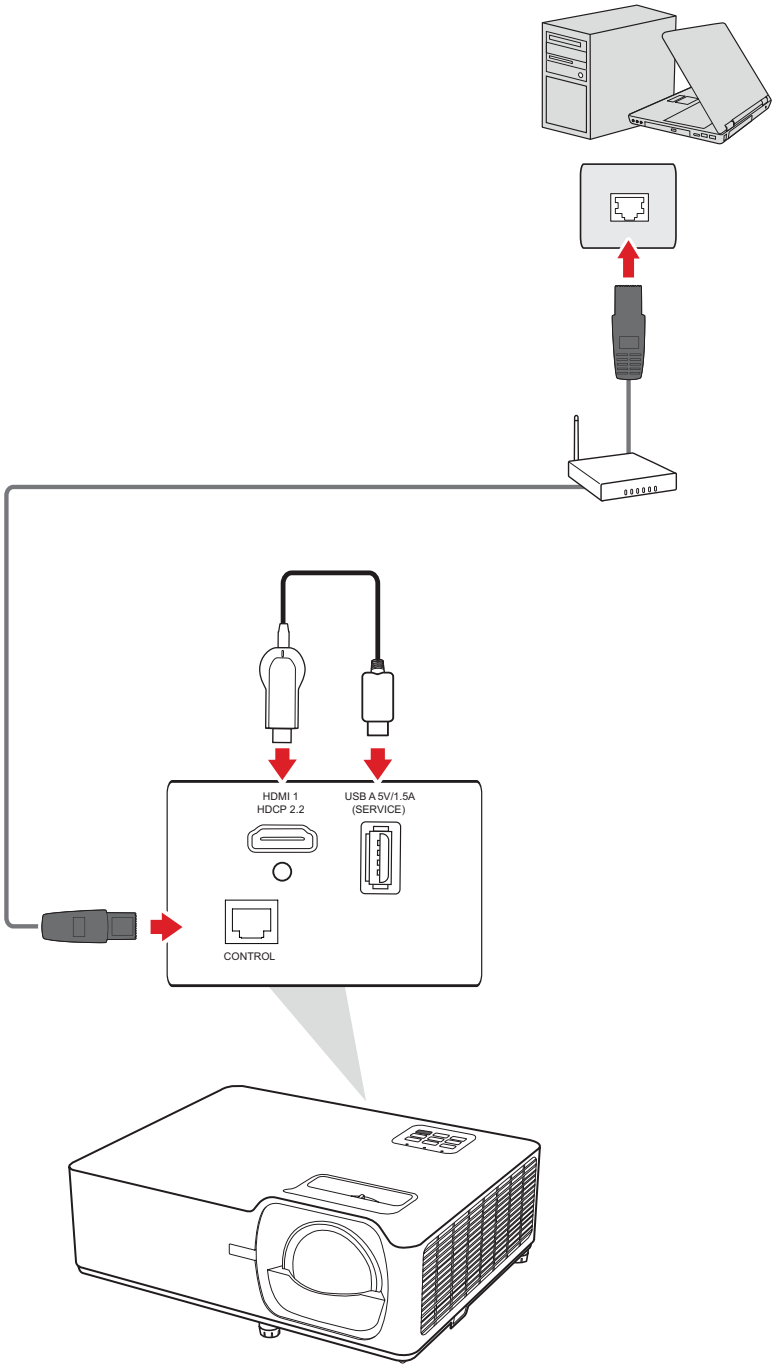
USB and Network Connection

USB Type A Connection

The USB port is for supplying power and service needs.

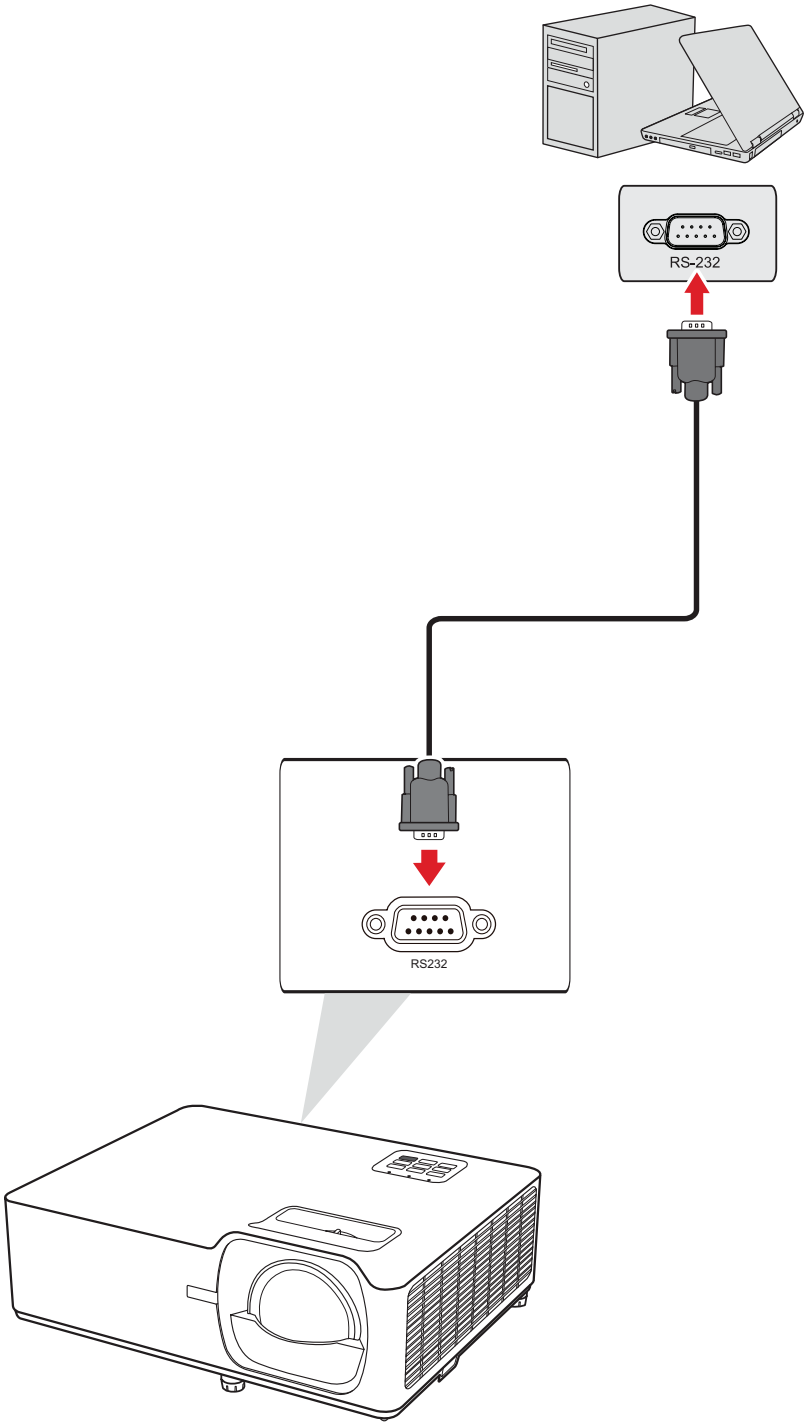
Network Connection

Plug the network cable into the **LAN** port.



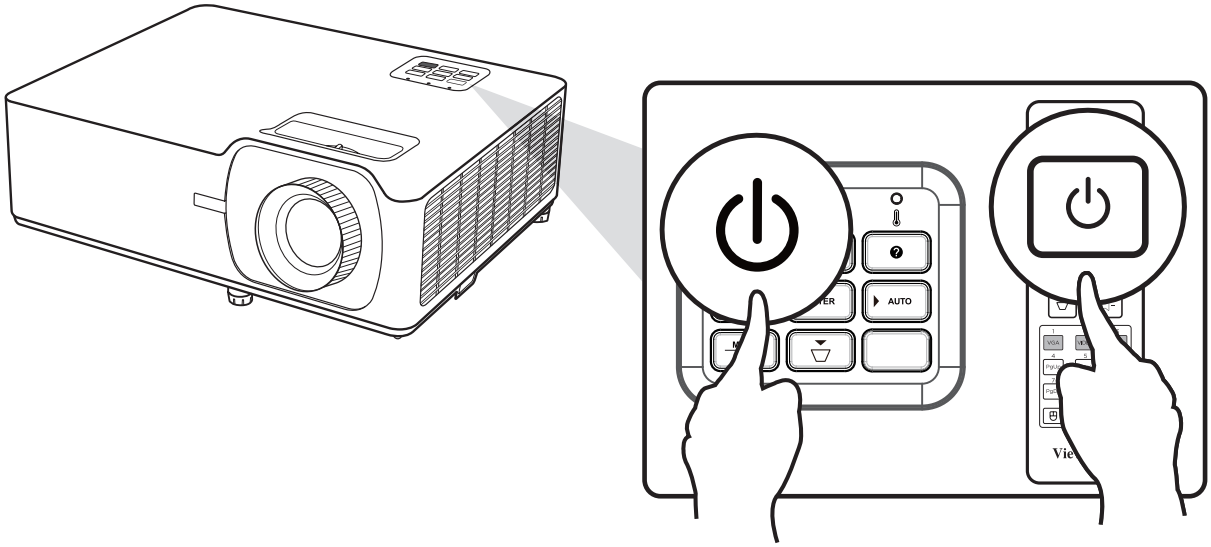
RS-232 Connection

When you use a RS-232 serial port cable to connect the projector to an external computer certain functions can be controlled remotely by the PC, including Power On/Off, Volume adjustment, Input select, Brightness, and more.



Using the Projector

Starting Up the Projector

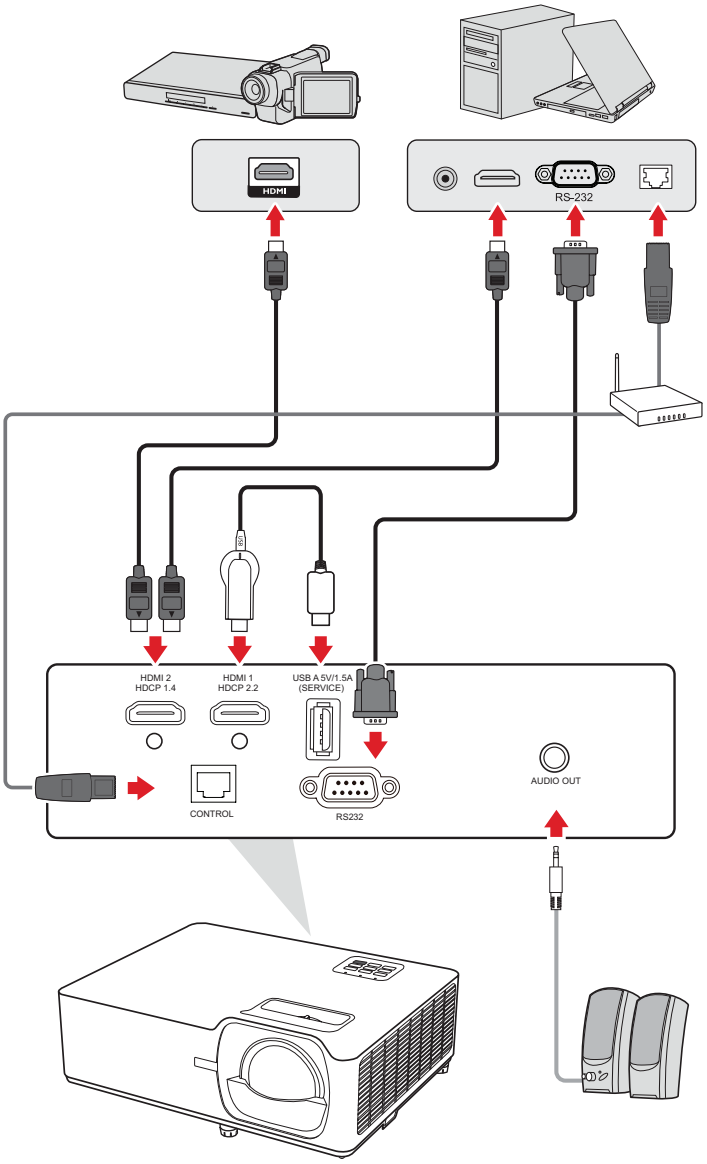


1. Ensure the projector's power cord is properly connected to a power outlet.
2. Press the **Power** button on the projector or remote control to turn on the projector.

   NOTE: The Power Indicator Light will be flashing blue during startup.

Selecting an Input Source

The projector can be connected to multiple devices at the same time. However, it can only display one full screen at a time.



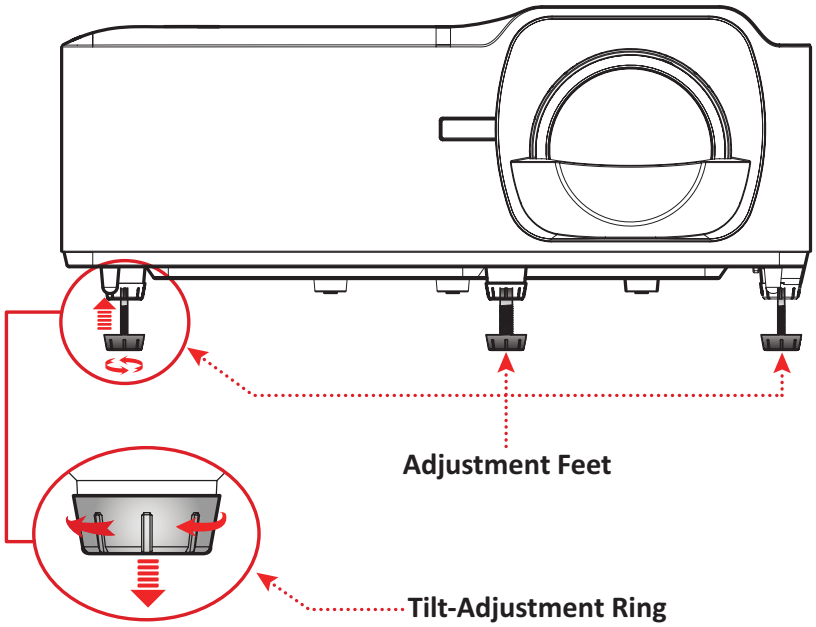
The projector will automatically search for input sources. If multiple sources are connected, press the **Source** button on the projector or remote control to select the desired input.

NOTE: Ensure the connected sources are also turned on.

Adjusting the Projected Image

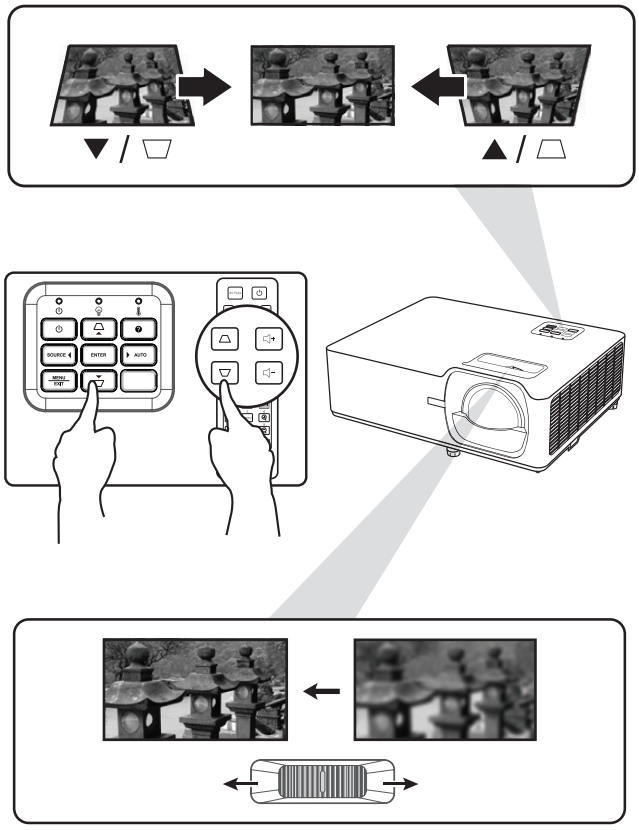
Adjusting the Projector's Height and Projection Angle

The projector is equipped with three (3) adjustment feet. Adjusting the feet will change the projector's height and the vertical projection angle.

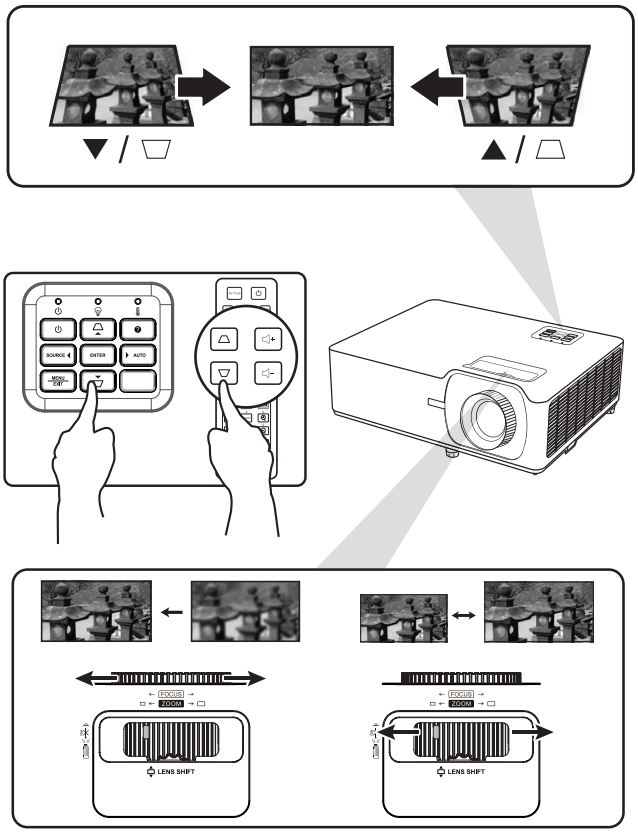


Adjusting the Focus, Keystone, and Lens Shift

You can improve and adjust the clarity and position of the image by adjusting the **Focus Ring**, **Keystone Keys**, **Lens Shift**[1] dial, or **Zoom Ring**[1].



LS710HD



LS751HD

[1] Only on LS751HD.

Shutting Down the Projector

1. Press the **Power** button on the projector or remote control and a “power off message” will appear.

2. Press the **Power** button again to confirm and shut down the projector.

NOTE: The cooling fans will continue to operate for about 10 seconds for the cooling cycle and the Power Indicator Light will flash blue.

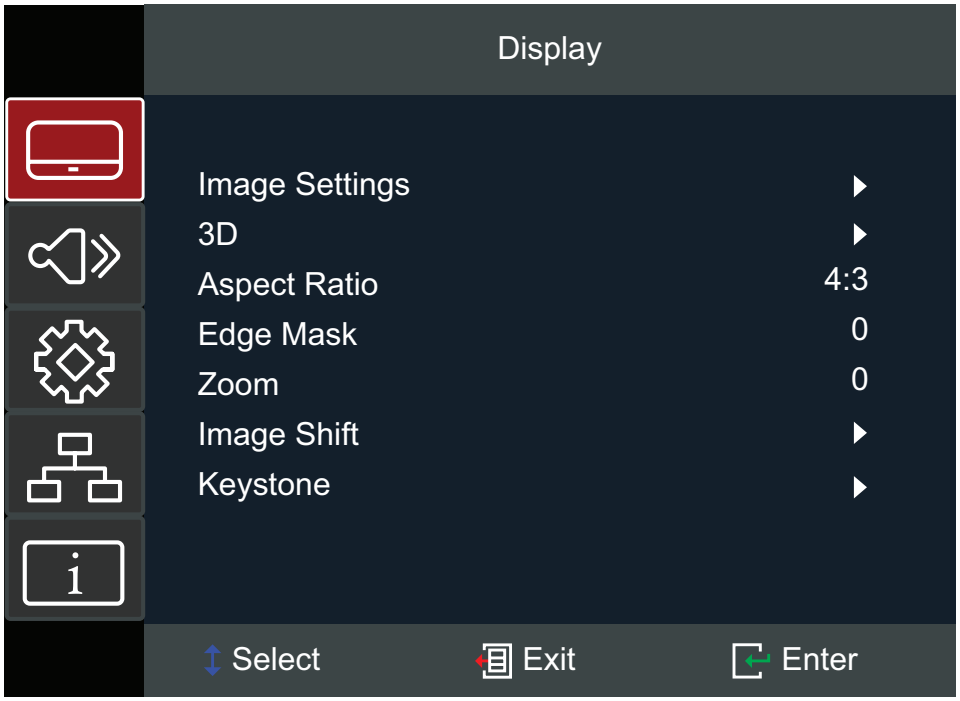
3. The Power Indicator Light will turn solid red and enter standby mode.

NOTE: 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 **Power** button again to turn on the projector.

Operating the Projector

On-Screen Display (OSD) Menu

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



Menu		Description
Display		Adjust Image, 3D, Aspect Ratio, Edge Mask, Zoom, Image Shift, and Keystone settings.
Audio		Adjust the volume level or mute.
Setup		Adjust Projection, Power, Security, Language, Menu, Input Source, etc. settings.
Network		Adjust LAN and RS-232 control settings.
Information		View projector and network information.

Menu Navigation

The projector has multilingual on-screen display menus that allow for image and settings adjustment.

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

On-Screen Display (OSD) Menu Tree

Main Menu	Sub-menu	Menu Option		
Display	Image Settings	Display Mode	Presentation	
			Bright	
			HDR SIM	
			Cinema	
			Game	
			sRGB	
			DICOM SIM	
			User	
			3D	
		Wall Color	Off	
			Blackboard	
			Light Yellow	
			Light Green	
			Light Blue	
			Pink	
			Gray	
		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	

Main Menu	Sub-menu	Menu Option			
Display	Image Settings	Color Settings	Brilliant Color™	(-/+, 1~10)	
			Color Temperature	Warm	
				Standard	
				Cool	
				Cold	
			Color Matching	Color	Red
					Green
					Blue
					Cyan
					Yellow
					Magenta
					White
				Hue/R	(-/+, -50~50)
				Saturation/G	(-/+, -50~50)
				Gain/B	(-/+, -50~50)
				Reset	
				Exit	
			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	
				Exit	

Main Menu	Sub-menu	Menu Option			
Display	Image Settings	Color Settings	Color Space	Auto	
				RGB (0~255)	
				RGB (16~235)	
				YUV	
		Brightness Mode	Dynamic Black		
			Eco		
			Power 100%~50%		
		Reset			
	3D	3D Mode	Off		
			DLP-Link		
		3D - 2D	3D		
			L		
			R		
		3D Format	Auto		
			SBS		
			Top and Bottom		
			Frame Sequential		
		3D Sync Invert	Off		
			On		
	Aspect Ratio	4:3			
		16:9			
		LBX			
		Native			
		Auto			
	Edge Mask	(-/+, 0~10)			
	Zoom	(-/+, -5~25)			
	Image Shift	Horizontal (H.)	(-/+, -100~100)		
		Vertical (V.)	(-/+, -100~100)		

Main Menu	Sub-menu	Menu Option			
Display	Keystone	Four Corners	Top-Left		
			Top-Right		
			Bottom-Left		
			Bottom-Right		
		H. Keystone	(-/+, -30~30)		
		V. Keystone	(-/+, -30~30)		
		Auto Keystone			
		Reset			
Audio	Mute	Off			
		On			
	Volume	(-/+, 0~10)			
Setup	Projection	Front			
		Rear			
		Ceiling-Top			
		Rear-Top			
	Power Settings	Direct Power On	Off		
			On		
		Signal Power On	Off		
			On		
		Auto Power Off	(-/+, 0~180) minutes		
		Power Mode	Eco		
			Active		
		USB Power	Off		
			On		
	Security	Security	Off		
			On		
		Security Timer	Month	(-/+, 0~12)	
			Day	(-/+, 0~30)	
			Hour	(-/+, 0~24)	
		Change Password			

Main Menu	Sub-menu	Menu Option		
Setup	HDMI CEC	HDMI CEC	Off	
			On	
	Test Pattern	Test Pattern	Off	
			Green Grid	
			Magenta Grid	
			White Grid	
			White	
	Options	Language	English	
			Deutsch	
			Français	
			Italiano	
			Español	
			Português	
			Polski	
			Nederlands	
			Svenska	
			Norsk/Dansk	
			Suomi	
			ελληνικά	
			繁體中文	
			簡体中文	
			日本語	
			한국어	
			Русский	
			Magyar	
			Čeština	
			عربي	
			ไทย	
			Türkçe	
			فارسی	
			Tiếng Việt	
			Bahasa Indonesia	
			Română	
			Slovenčina	

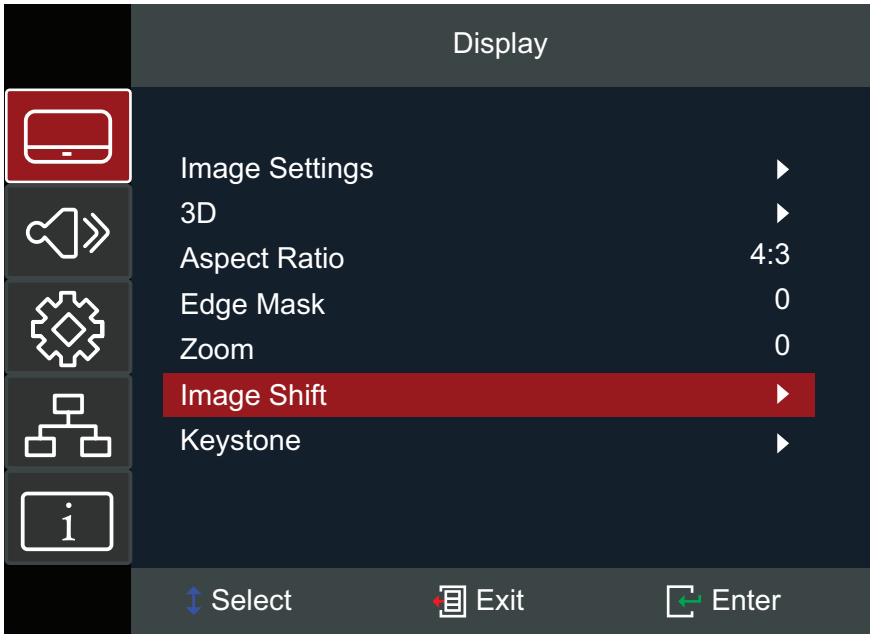
Main Menu	Sub-menu	Menu Option			
Setup	Options	Menu Settings	Menu Location	Top-Left	
				Top-Right	
				Center	
				Bottom-Left	
				Bottom-Right	
			Menu Timer	Off	
				5 seconds	
				10 seconds	
		Auto Source	Off		
			On		
		Input Source	HDMI 1		
			HDMI 2		
		High Altitude	Off		
			On		
		Logo	Default		
			Neutral		
		Background Color	Black		
			Blue		
			Red		
			Green		
			Gray		
			Logo		
	Reset	Reset to Default			

Main Menu	Sub-menu	Menu Option		
Network	LAN	Network Status		
		MAC Address		
		DHCP	Off	
			On	
		IP Address	xxx.xxx.xxx	
		Subnet Mask	xxx.xxx.xxx	
		Gateway	xxx.xxx.xxx	
		DNS	xxx.xxx.xxx	
		Reset		
	Control	Crestron	Off	
			On	
		Extron	Off	
			On	
		PJ Link	Off	
			On	
		AMX Device Discovery	Off	
			On	
		Telnet	Off	
			On	
		HTTP	Off	
			On	

Main Menu	Sub-menu	Menu Option	
Information	Serial Number		
	Source		
	Resolution		
	Refresh Rate		
	Display Mode		
	Power Mode		
	Light Source Hours		
	Network Status		
	IP Address		
	Brightness Mode		
	Firmware Version	System	
		LAN	
		MCU	

Menu Operation

Display Menu



<table>
<tr><th>Menu</th><th>Description</th></tr>
<tr><td>Image Settings</td><td>
<u>Display Mode</u>
There are several predefined display modes that you can choose from to suit your viewing preference.
<table>
<tr><th>Mode</th><th>Description</th></tr>
<tr><td>Presentation</td><td>Suitable for most presenting needs for business and education environments.</td></tr>
<tr><td>Bright</td><td>Suitable for bright, well-lit environments.</td></tr>
<tr><td>HDR SIM</td><td>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 enhances non-HDR content with simulated High Dynamic Range (HDR).</td></tr>
<tr><td>Cinema</td><td>Provides the best balance of detail and colors for watching movies.</td></tr>
<tr><td>Game</td><td>Optimizes your projector for maximum contrast and vivid colors allowing you to see shadow detail when playing games.</td></tr>
<tr><td>sRGB</td><td>Standardized sRGB color gamut.</td></tr>
<tr><td>DICOM SIM</td><td>Suitable for projecting monochrome images.</td></tr>
<tr><td>User</td><td>User’s custom settings.</td></tr>
<tr><td>3D</td><td>Optimized for 3D content.
NOTE: 3D glasses are needed.</td></tr>
</table>
</td></tr>
</table>

Menu	Description
Image Settings	Wall Color Designed to adjust the colors of the projected image when projecting on to a wall without a screen. **NOTE:** A screen is recommended for more accurate color reproduction. Brightness The higher the value, the brighter the image. Lower values will result in a darker image. Contrast Use this to set the peak white level after you have previously adjusted the **Brightness** setting to suit your selected input and viewing environment. Sharpness A high value results in a sharper picture; a low value softens the picture. Color Adjust an image from black and white to fully saturated color. Tint The higher the value, the more greenish the picture becomes. The lower the value, the more reddish the picture becomes. Gamma Reflects the relationship between input source and picture brightness.

<table>
<tr><th>Menu</th><th>Description</th></tr>
<tr><td>Image Settings</td><td>
<u>Color Settings</u>
<table>
<tr><th>Setting</th><th>Description</th></tr>
<tr><td>Brilliant Color™</td><td>A color-processing algorithm and enhancements to enable higher brightness while providing true, more vibrant colors in picture.</td></tr>
<tr><td>Color Temperature</td><td>Select from Warm, Standard, Cool, or Cold.</td></tr>
<tr><td>Color Matching</td><td>Only in permanent installations with controlled lighting levels such as: boardrooms, lecture halls, or home theaters should Color Matching be considered.

Color Matching provides fine color control adjustment to allow for more accurate color reproduction, should you require it.

If you have purchased a test disc, which contains various color test patterns and can be used to test the color presentation on monitors, TVs, projectors, etc., you can project any image from the disc on the screen and enter the Color Matching menu to make adjustments.</td></tr>
<tr><td>RGB Gain/Bias</td><td>Configure the brightness (gain) and contrast (bias).</td></tr>
<tr><td>Color Space</td><td>Select from Auto, RGB (0~255), RGB (16~235), and YUV color space.</td></tr>
</table>
<u>Brightness Mode</u>
<table>
<tr><th>Mode</th><th>Description</th></tr>
<tr><td>Dynamic Black</td><td>Automatically adjust the picture brightness in order to give optimum contrast performance.</td></tr>
<tr><td>Eco</td><td>Dim the light output, lowering power consumption.</td></tr>
<tr><td>Power</td><td>Select the power percentage (50%~100%) for brightness mode.</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>Menu</th><th>Description</th></tr>
<tr><td>Image Settings</td><td><u>Reset</u>
Return current display mode settings (Brightness, Contrast, Sharpness, Color, Tint, Gamma, Brilliant Color, Color Temperature, Color Matching, RGB Gain/Bias, Color Space, Brightness Mode) to default values.</td></tr>
<tr><td>3D</td><td><u>3D Mode</u>
Enable or disable the 3D function.

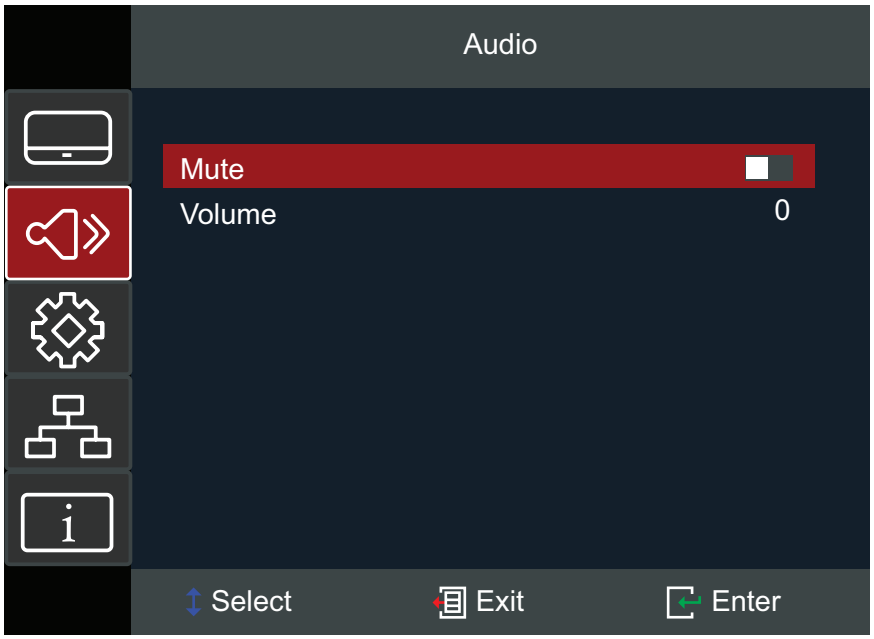
<u>3D-2D</u>
Select how the 3D content should appear on screen.
<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>3D</td><td>Display the 3D signal.</td></tr>
<tr><td>L (Left)</td><td>Display the left frame of the 3D content.</td></tr>
<tr><td>R (Right)</td><td>Display the right frame of the 3D content.</td></tr>
</table>
<u>3D Format</u>
Select the 3D content format.
NOTE: A Blu-ray 3D source will be detected automatically, and options will not be selectable.
<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Auto</td><td>When a 3D identification signal is detected, the 3D format is selected automatically.</td></tr>
<tr><td>SBS</td><td>Display in Side-by-Side format.</td></tr>
<tr><td>Top and Bottom</td><td>Display in Top and Bottom format.</td></tr>
<tr><td>Frame Sequential</td><td>Display in Frame Sequential format.</td></tr>
</table>
<u>3D Sync Invert</u>
Enable or disable the 3D Sync Invert function.</td></tr>
</table>

NOTE: This projector is a 3D ready projector with DLP-Link 3D solution. Please make sure your 3D glasses are for DLP-Link 3D. This projector supports frame sequential (page-flip) 3D via the **HDMI 1**/**HDMI 2** ports. For the best performance, 1920 x 1080 resolution is recommended. Please note that 4K (3840 x 2160) resolution is not supported in 3D mode.

<table>
<tr><th>Menu</th><th>Description</th></tr>
<tr><td>Aspect Ratio</td><td>Select the aspect ratio of the projected image.
<table>
<tr><th>Aspect Ratio</th><th>Description</th></tr>
<tr><td>4:3</td><td>Scales an image so that it is displayed in the center of the screen with a 4:3 aspect ratio. This is most suitable for 4:3 images like computer monitors, standard definition TV, and 4:3 aspect DVD movies, as it displays them without aspect alteration.</td></tr>
<tr><td>16:9</td><td>Scales an image so that it is displayed in the center of the screen with a 16:9 aspect ratio. This is most suitable for images which are already in a 16:9 aspect, like high definition TV.</td></tr>
<tr><td>Native</td><td>Projects the image as its original resolution and resizes it to fit within the display area. For input signals with lower resolutions, the projected image will be displayed in its original size.</td></tr>
<tr><td>LBX</td><td>For non-16:9 letterbox source and if you use an external 16:9 lens to display 2.35:1 aspect ratio in full resolution.</td></tr>
<tr><td>Auto</td><td>Scales an image proportionally to fit the projector’s native resolution in its horizontal width. This is suitable for the incoming image which is neither 4:3 nor 16:9 and you want to make the most use of the screen without altering the image’s aspect ratio.</td></tr>
</table></td></tr>
<tr><td>Edge Mask</td><td>Remove the video encoding noise on the edge of the video source.</td></tr>
<tr><td>Zoom</td><td>Reduce or magnify the projected image.</td></tr>
<tr><td>Image Shift</td><td>Adjust the projected image horizontally or vertically.</td></tr>
</table>

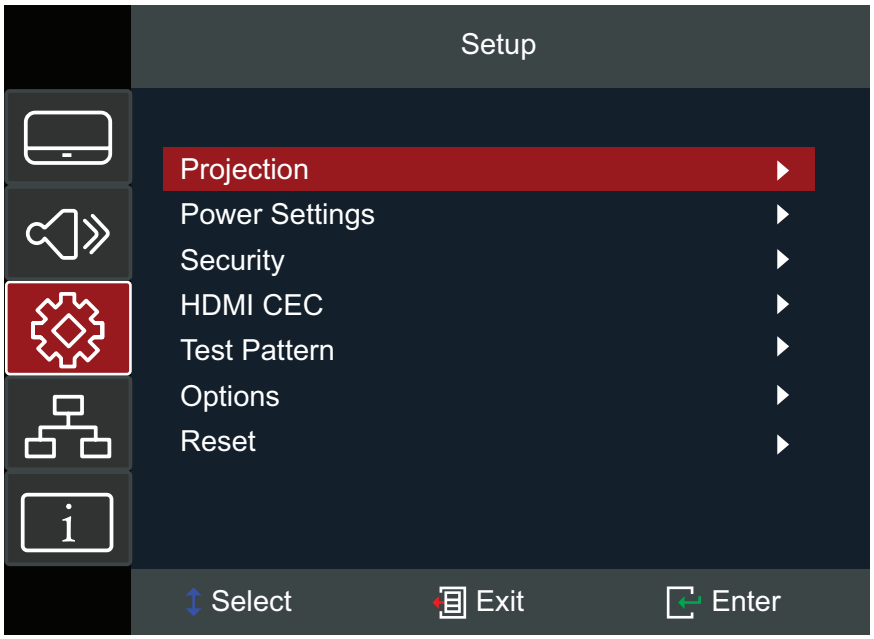
<table>
<tr><th>Menu</th><th>Description</th></tr>
<tr><td>Keystone</td><td>
<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Four Corners</td><td>Adjust each corner to make a square image when the projection surface is not level.
NOTE: While adjusting the Four Corners, the Aspect Ratio, Edge Mask, Image Shift, and Zoom menus will be disabled. To enable them, reset the Keystone settings to default.</td></tr>
<tr><td>H. Keystone</td><td>Adjust image distortion horizontally.</td></tr>
<tr><td>V. Keystone</td><td>Adjust image distortion vertically.</td></tr>
<tr><td>Auto Keystone</td><td>Automatically correct the keystone.</td></tr>
<tr><td>Reset</td><td>Return the Keystone settings to default.</td></tr>
</table>
</td></tr>
</table>

Audio Menu



Menu	Description
Mute	Temporarily turn off the sound.
Volume	Adjust the volume level.

Setup Menu

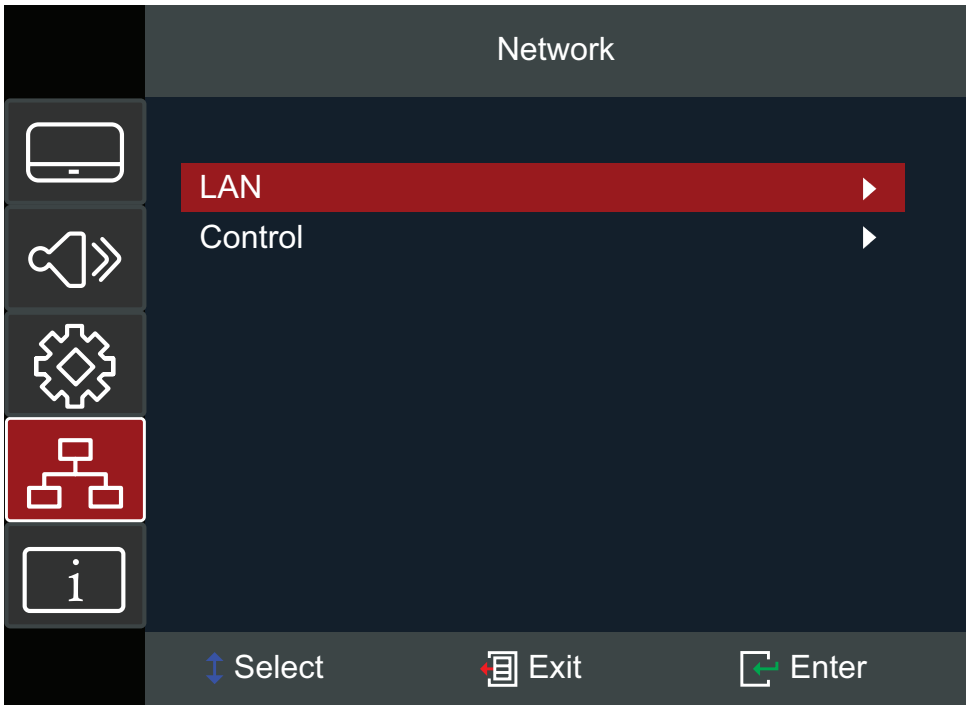


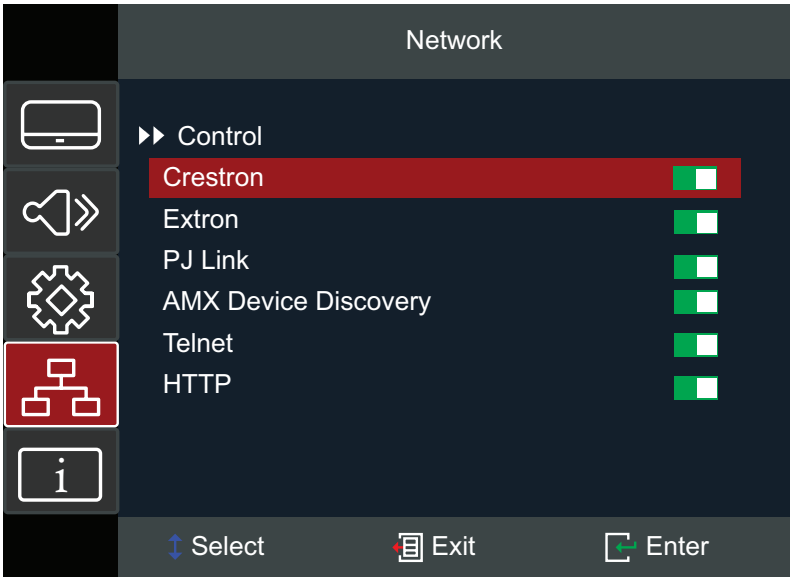
Menu	Description
Projection	Select the preferred projection: Front, Rear, Ceiling-Top, and Rear-Top.
Power Settings	Direct Power On Automatically power on the projector when AC power is supplied, without pressing the **Power** button on the projector or the remote control. Signal Power On Automatically power on the projector when a signal is detected, without pressing the **Power** button on the projector or on the remote control. Auto Power Off A 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). Power Mode (Standby) **Mode** / **Description** **Active** — Normal standby (> 0.5W) with USB Power available. **Eco** — Reduce power use (< 0.5W) with no USB power available. USB Power (Standby) Enable or disable the USB power function when the projector is in standby mode.

Menu	Description
Security	Security Enable or disable a password prompt before using the projector. **NOTE:** The default password is: *1234* Security Timer Set the amount of time the projector can be used. Once this time has elapsed you will be requested to enter your password again. Change Password Set or modify the password.
HDMI CEC	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 CEC control feature in the projector's OSD. This lets one device or multiple devices in a group power on or power off via HDMI CEC in a typical configuration. **NOTE:** • In order for the CEC function to work properly, make sure that the device is correctly connected to the **HDMI** input of the projector via an HDMI cable, and its CEC function is turned on. • Depending on the connected device, the CEC function may not work.
Test Pattern	Select the test pattern from green grid, magenta grid, white grid, white, or disable this function (off).

Menu	Description
Options	Language Select the On-Screen Display (OSD) Menu language. Menu Settings Set the menu location on screen and configure the menu timer settings. Auto Source Automatically find an available input source. Input Source Select the input signal: **HDMI 1** or **HDMI 2**. High Altitude When On, the fans will spin faster for better cooling and performance. This is useful for high altitude environments where the air is thin. Logo Set the “startup screen”. If changes are made, they will take effect the next time the projector is powered on. Background Color Display a blue, red, green, or gray color, none, or logo screen when no signal is available. **NOTE:** If the background color is set to None, then the background color will be black.
Reset	Return the settings to default. **NOTE:** When resetting, the following settings will still remain: Zoom, Keystone Settings, Language, Projection, USB Power (Standby), Power Mode (Standby), High Altitude Mode, Security Settings, Network Settings, Light Source Hours Information.

Network Menu



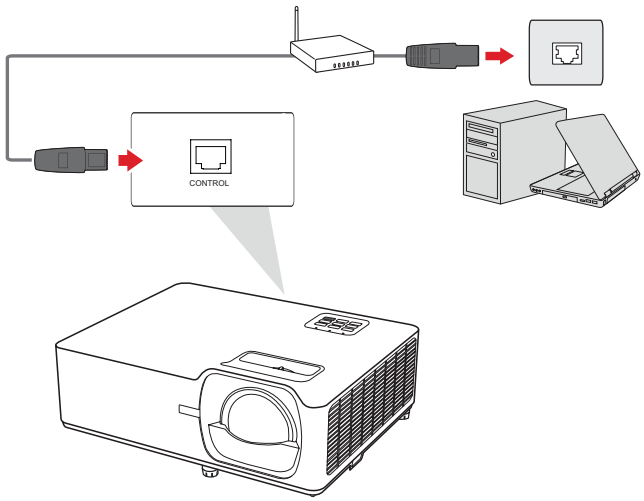
Menu	Description
LAN	View network information and enable/disable DHCP.
Control	Enable or disable network control suites. **NOTE:** To connect successfully, the control suite must be enabled. 

Controlling the Projector through a Network

The projector provides diverse networking and remote management features. The LAN /RJ45 function of the projector, through a network, can remotely manage: Power On/Off, Volume adjustment, Input select, Brightness, and more.

NOTE: Please ensure **Network > Control > HTTP** is enabled.

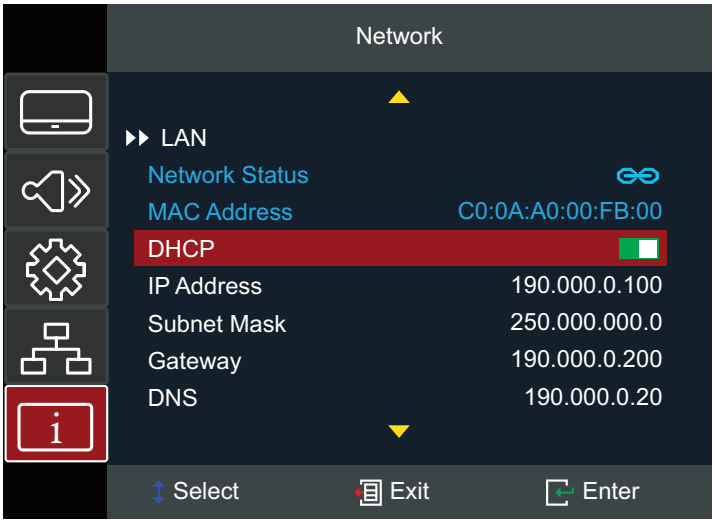
1. Connect the projector to a network via the LAN/RJ45 port.



2. Open the On-Screen Display Menu and go to: **Network** > **LAN**.

3. Select **DHCP** and turn it **On** to obtain an IP address automatically; or select **Off** to enter the network information manually.

NOTE: Please wait for around 15~20 seconds, then re-enter the **LAN** settings page. The Projector IP Address, Subnet Mask, Default Gateway, DNS Server settings will be displayed. Make note of the IP address displayed in the Projector IP Address row.



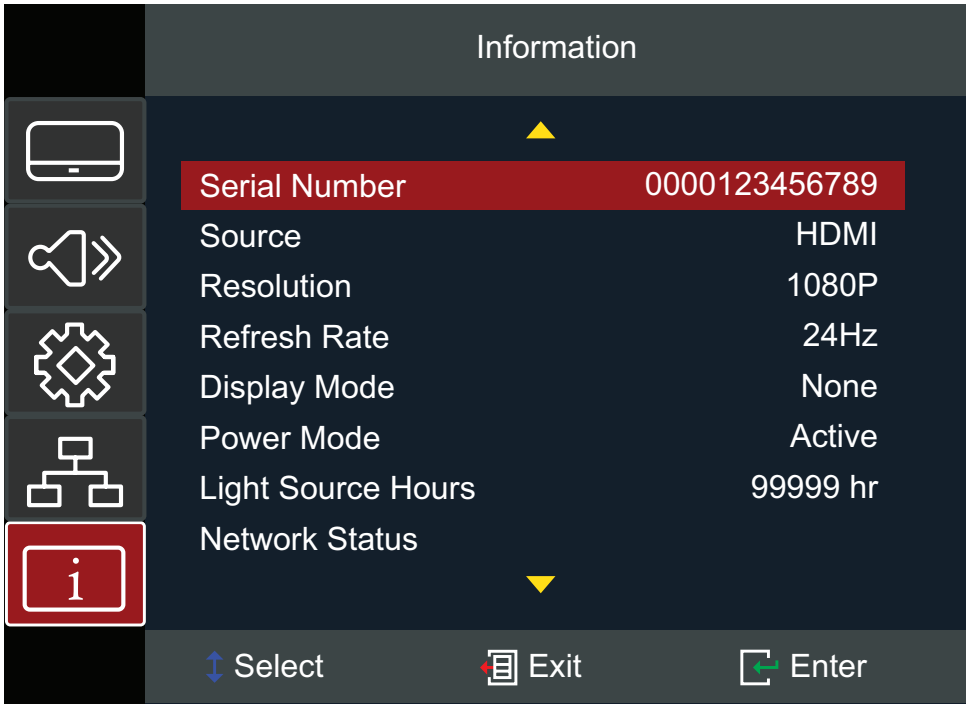
4. Using a web browser, and under the same network, type in the projector's IP address.

5. Enter the user name and password, then click **Log in**.

NOTE: The default user name and password is *admin*.

Information Menu

View Serial Number, Source, Resolution, Refresh Rate, Display Mode, Power Mode, Light Source Hours, Network Status, IP Address, Brightness Mode, and Firmware Version information.



Appendix

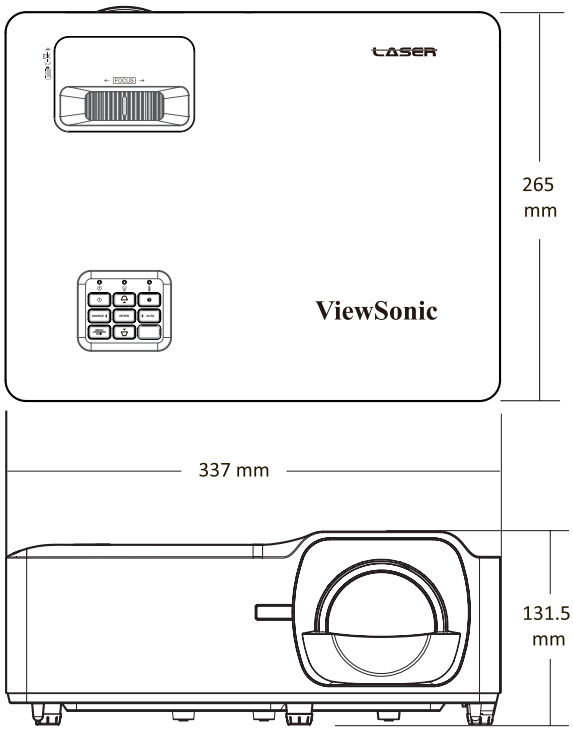
Specifications

Item	Category	Specifications	
		LS710HD	LS751HD
Projector	Type	Laser	
	Display Size	40”~300”	30”~300”
	Throw Ratio	0.49±3% (100”@1.08m)	1.4~2.24±3% (100” @3.10m)
	Optical Zoom	Fixed	1.6x
	Display System	1-CHIP DMD	
Input Signal	HDMI	f_h: 15~102 kHz, f_v:23~120 Hz, Pixel rate: 170 MHz	
Resolution	Native	1920 x 1080	
Power	Input Voltage	DC IN 100-240V, 50/60 Hz (auto switch)	
Operating Conditions	Temperature	0°C to 40°C (32°F to 104°F)	
	Humidity	10% to 80% (non-condensing)	
	Altitude	0 to 2,500 ft. at 0°C to 40°C 2,500 to 5,000 ft. at 0°C to 35°C 5,000 to 12,000 ft. at 0°C to 30°C	
Storage Conditions	Temperature	-10°C to 60°C (14°F to 140°F)	
	Humidity	10% to 90% (non-condensing)	
	Altitude	0 to 12.1 km (0 to 40,000 ft.)	
Dimensions	Physical (W x H x D)	337 x 265 x 131.5 mm (13.27” x 10.43” x 5.18”)	
Weight	Physical	4.5 kg (9.92 lbs)	
Power Consumption	On[1]	245W (Typical)	
	Off	< 0.5W (Standby)	

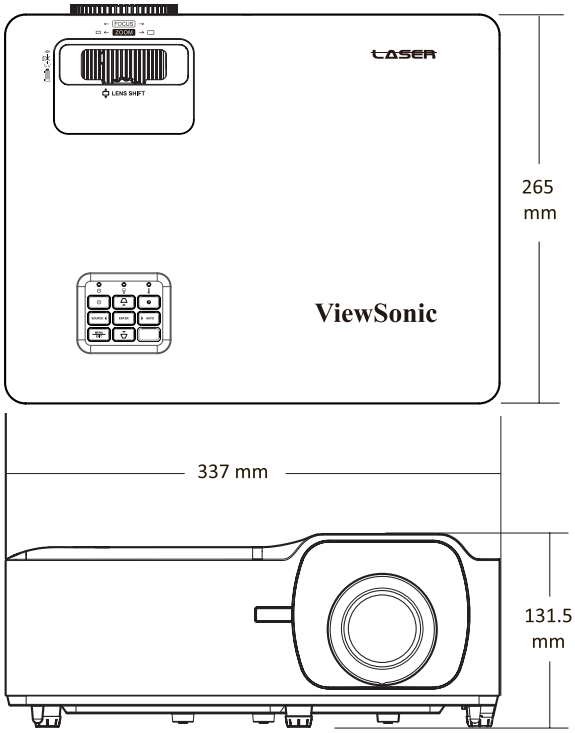
[1] The test condition follows EEI standards.

Projector Dimensions

337 mm (W) x 131.5 mm (H) x 265 mm (D)



LS710HD



LS751HD

Timing Chart

HDMI Video Timing

Timing	Resolution (dots)	Refresh Rate (Hz)
SDTV (480p)	720 x 480	60
SDTV (576i)	720 x 576	50
SDTV (576p)	720 x 576	50
HDTV (720p)[2]	1280 x 720	50 / 60
HDTV (1080p)[2]	1920 x 1080	24 / 30 / 50 / 60
HDTV (1080i)	1920 x 1080	50 / 60

HDMI PC Timing

Signal	Resolution	Refresh Rate (Hz)	Note for Mac
VGA	640 x 480	60/120	Mac 60/72/85
SVGA	800 x 600	60/72/85/120	Mac 60/72/85
XGA	1024 x 768	50/60/70/75/85/120	Mac 60/70/75/85
480i	720 x 480	60	
WSVGA	1024 x 600	60	
WXGA	1280 x 768	60/75/85	Mac 75
WXGA	1280 x 800	60/120	Mac 60
WXGA	1366 x 768	60	
WXGA+	1440 x 900	60	
SXGA	1280 x 1024	60/75/85	Mac 60/75
SXGA+	1400 x 1050	60	
UXGA	1600 x 1200	60	
WUXGA	1920 x 1200[3]	60	Mac 60
UHD (2160p)	3840 x 2160	24[4]/25[4]/30[4]/50/60	
4K2K (2160p)	4096 x 2160	24[4]/25/50/60	

[2] Mac 60
[3] 1920 x 1200 @ 60Hz only supports RB (Reduced Blanking)
[4] **HDMI 1** UHD/4K2K timing support only

3D Support Timing

Signal	Resolution	Refresh Rate (Hz)	Format	Note
720p	1280 x 720p	50/60	Top and Bottom	with 3D InfoFrame information
	1280 x 720p	50/60	Frame Packing	
1080i	1920 x 1080i	50/60	Side by Side (Half)	
1080p	1920 x 1080p	24	Top and Bottom	
	1920 x 1080p	24	Frame Packing	
720p	1280 x 720p	50/60	Side by Side (Half) SBS mode is ON	without 3D InfoFrame information
1080i	1920 x 1080i	50/60	Side by Side (Half) SBS mode is ON	
720p	1280 x 720p	50/60	Top and Bottom TAB mode is ON	without 3D InfoFrame information
1080i	1920 x 1080i	50/60	Top and Bottom TAB mode is ON	

NOTE:

- 1080i@25hz and 720p@50hz will run in 100 Hz; other 3D timing will run in 120 Hz.
- 1080P@24hz will run 144Hz (XGA, WXGA, 1080p)/96Hz (WUXGA).
- If the input frame rate is 48 Hz or greater, the output frame rate is set to twice the input frame rate (FRC = 2X mode).
- If the 3D input frame rate is 25Hz or greater, the output frame rate is set to four times the input frame rate (FRC = 4X mode).
- If the 3D input frame rate is 24Hz (includes 23.9Hz), the output frame rate is set to six times the input frame rate (FRC = 6X mode).

Troubleshooting

This section describes some common problems that you may experience when using the projector.

Problem or Issue	Possible Solutions
The projector does not turn on	• Ensure the power cord is properly attached to the projector and to the power outlet. • If the cooling process has not completed, please wait until it has finished then try to turn on the projector again. • If the above does not work, try another power outlet or another electrical device with the same power outlet.
There is no picture	• Ensure the video source cable is connected properly, and that the video source is turned on. • If the input source is not selected automatically, select the correct source with the “Source Input” on either the projector or the remote control.
The image is blurred	• Adjusting focus with the Focus Ring will help correctly focus the projection lens. • Ensure the projector and screen are aligned properly. If necessary, adjust the height of the projector as well as the projection angle and direction.
The image is reversed	• Open the OSD Menu and go to: **Setup** > **Projection** and adjust the projection option.
The image is stretched when projecting a 16:9 DVD	• When you play an anamorphic DVD or 16:9 DVD, the projector will show the best image in 16:9. • If you play a 4:3 format DVD title, please change the format as 4:3 in projector OSD Menu. • Please setup the display format as 16:9 (wide) aspect ratio on the DVD player.

Problem or Issue	Possible Solutions
The remote control does not work	• Ensure there are no obstacles between the remote control and projector; and that they are within range: » Front IR: 10 m (32.8 ft). » Top IR: 7m (23 ft). • The batteries may be out of power, please check and replace if necessary.
The projector stops responding to all controls	• Turn off the projector and unplug the power cord. Wait at least 20 seconds then reconnect and try again.

LED Indicators

When the warning indicators (see below) light up or flash, the projector will automatically shutdown. Unplug the power cord from the projector, wait for 30 seconds and try again. If the warning indicators light up or flash, please contact your nearest service center for assistance.

<table>
<tr><th rowspan="2">Status and Description</th><th colspan="2">Power Indicator Light</th><th>Temperature Indicator Light</th><th>Light Source Indicator Light</th></tr>
<tr><th>Red</th><th>Blue</th><th>Red</th><th>Red</th></tr>
<tr><td>Standby State (Power cord input)</td><td>Steady Light</td><td colspan="3"></td></tr>
<tr><td>Power On (Warming)</td><td rowspan="5"></td><td>Flashing (0.5 sec off/0.5 sec on)</td><td colspan="2" rowspan="5"></td></tr>
<tr><td>Power On and Lamp Lighting</td><td>Steady Light</td></tr>
<tr><td>Power Off (Cooling)</td><td>Flashing (0.5 sec off/0.5 sec on)
Back to red steady light when the cooling fan turns off.</td></tr>
<tr><td>Quick Resume (100 secs)</td><td>Flashing (0.25 sec off/0.25 sec on)</td></tr>
<tr><td>Error (Lamp failure)</td><td>Flashing</td><td rowspan="3"></td><td></td><td>Steady Light</td></tr>
<tr><td>Error (Fan failure)</td><td>Flashing</td><td>Flashing</td><td rowspan="2"></td></tr>
<tr><td>Error (Overheat)</td><td>Flashing</td><td>Steady Light</td></tr>
</table>

Maintenance

General Precautions

- Make sure the projector is turned off and the power cable is unplugged from the power outlet.
- Never remove any parts from the projector. Contact ViewSonic® or a reseller when any part of the projector needs replacing.
- Never spray or pour any liquid directly onto the case.
- Handle the projector with care, as a darker-colored projector, if scuffed, may show marks more clearly than a lighter-colored projector.

Cleaning the Lens

- Use a canister of compressed air to remove dust.
- If the lens is still not clean, use lens-cleaning paper or moisten a soft cloth with lens cleaner and gently wipe the surface.

CAUTION: Never rub the lens with abrasive materials.

Cleaning the Case

- Use a soft, lint-free, dry cloth to remove dirt or dust.
- If the case is still not clean, apply a small amount of non-ammonia, non-alcohol based, mild non-abrasive detergent onto a clean, soft, lint-free cloth, then wipe the surface.

CAUTION: Never use wax, alcohol, benzene, thinner, or other chemical detergents.

Storing the Projector

If you intend to store the projector for an extended period of time:

- Ensure the temperature and humidity of the storage area are within the recommend range.
- Retract the adjuster foot completely.
- Remove the batteries from the remote control.
- Pack the projector in its original packaging or equivalent.

Disclaimer

- ViewSonic® does not recommend the use of any ammonia or alcohol-based cleaners on the lens or case. Some chemical cleaners have been reported to damage the lens and/or case of the projector.
- ViewSonic® will not be liable for damage resulting from use of any ammonia or alcohol-based cleaners.

Regulatory and Service Information

Compliance Information

This section addresses all connected requirements and statements regarding regulations. Confirmed corresponding applications shall refer to nameplate labels and relevant markings on the unit.

FCC Compliance Statement

This device complies with part 15 of 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. 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 a 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, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

Warning: You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Industry Canada Statement

CAN ICES-003(B) / NMB-003(B)

CE Conformity for European Countries

The device complies with the EMC Directive 2014/30/EU and Low Voltage Directive 2014/35/EU. Ecodesign Directive 2009/125/EC.

The following information is only for EU-member states:

The mark shown to the right is in compliance with the Waste Electrical and Electronic Equipment Directive 2012/19/EU (WEEE). The mark indicates the requirement NOT to dispose of the equipment as unsorted municipal waste, but use the return and collection systems according to local law.

Declaration of RoHS2 Compliance

This product has been designed and manufactured in compliance with Directive 2011/65/EU of the European Parliament and the Council on restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS2 Directive) and is deemed to comply with the maximum concentration values issued by the European Technical Adaptation Committee (TAC) as shown below:

Substance	Proposed Maximum Concentration	Actual Concentration
Lead (Pb)	0.1%	< 0.1%
Mercury (Hg)	0.1%	< 0.1%
Cadmium (Cd)	0.01%	< 0.01%
Hexavalent Chromium ($Cr6^{+}$)	0.1%	< 0.1%
Polybrominated biphenyls (PBB)	0.1%	< 0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%	< 0.1%
Bis (2-ethylhexyl) phthalate (DEHP)	0.1%	< 0.1%
Butyl benzyl phthalate (BBP)	0.1%	< 0.1%
Dibutyl phthalate (DBP)	0.1%	< 0.1%
Diisobutyl phthalate (DIBP)	0.1%	< 0.1%

Certain components of products as stated above are exempted under the Annex III of the RoHS2 Directives as noted below. Examples of exempted components are:

- Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):
  - » Short length (500 mm): maximum 3.5 mg per lamp.
  - » Medium length (> 500 mm and 1,500 mm): maximum 5 mg per lamp.
  - » Long length (> 1,500 mm): maximum 13 mg per lamp.
- Lead in glass of cathode ray tubes.
- Lead in glass of fluorescent tubes not exceeding 0.2% by weight.
- Lead as an alloying element in aluminum containing up to 0.4% lead by weight.
- Copper alloy containing up to 4% lead by weight.
- Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead).
- Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

Indian Restriction of Hazardous Substances

Restriction on Hazardous Substances statement (India). This product complies with the “India E-waste Rule 2011” and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

Product Disposal at End of Product Life

ViewSonic® respects the environment and is committed to working and living green. Thank you for being part of Smarter, Greener Computing. Please visit the ViewSonic® website to learn more.

USA & Canada:

https://www.viewsonic.com/us/go-green-with-viewsonic

Europe:

https://www.viewsonic.com/eu/go-green-with-viewsonic

Taiwan:

https://recycle.epa.gov.tw/

Copyright Information

Copyright© ViewSonic® Corporation, 2023. All rights reserved.

Macintosh and Power Macintosh are registered trademarks of Apple Inc.

Microsoft, Windows, and the Windows logo are registered trademarks of Microsoft Corporation in the United States and other countries.

ViewSonic®, the three birds logo, OnView, ViewMatch, and ViewMeter are registered trademarks of ViewSonic® Corporation.

VESA is a registered trademark of the Video Electronics Standards Association. DPMS, DisplayPort, and DDC are trademarks of VESA.

ENERGY STAR® is a registered trademark of the U.S. Environmental Protection Agency (EPA).

As an ENERGY STAR® partner, ViewSonic® Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

Disclaimer: ViewSonic® Corporation shall not be liable for technical or editorial errors or omissions contained herein; nor for incidental or consequential damages resulting from furnishing this material, or the performance or use of this product.

In the interest of continuing product improvement, ViewSonic® Corporation reserves the right to change product specifications without notice. Information in this document may change without notice.

No part of this document may be copied, reproduced, or transmitted by any means, for any purpose without prior written permission from ViewSonic® Corporation.

LS710HD_LS751HD_UG_ENG_1a_202302017

Customer Service

For technical support or product service, see the table below or contact your reseller.

NOTE: You will need the product's serial number.

Country/ Region	Website	Country/ Region	Website
Asia Pacific & Africa			
Australia	www.viewsonic.com/au/	Bangladesh	www.viewsonic.com/bd/
中国 (China)	www.viewsonic.com.cn	香港 (繁體中文)	www.viewsonic.com/hk/
Hong Kong (English)	www.viewsonic.com/hk-en/	India	www.viewsonic.com/in/
Indonesia	www.viewsonic.com/id/	Israel	www.viewsonic.com/il/
日本 (Japan)	www.viewsonic.com/jp/	Korea	www.viewsonic.com/kr/
Malaysia	www.viewsonic.com/my/	Middle East	www.viewsonic.com/me/
Myanmar	www.viewsonic.com/mm/	Nepal	www.viewsonic.com/np/
New Zealand	www.viewsonic.com/nz/	Pakistan	www.viewsonic.com/pk/
Philippines	www.viewsonic.com/ph/	Singapore	www.viewsonic.com/sg/
臺灣 (Taiwan)	www.viewsonic.com/tw/	ประเทศไทย	www.viewsonic.com/th/
Việt Nam	www.viewsonic.com/vn/	South Africa & Mauritius	www.viewsonic.com/za/
Americas			
United States	www.viewsonic.com/us	Canada	www.viewsonic.com/us
Latin America	www.viewsonic.com/la		
Europe			
Europe	www.viewsonic.com/eu/	France	www.viewsonic.com/fr/
Deutschland	www.viewsonic.com/de/	Қазақстан	www.viewsonic.com/kz/
Россия	www.viewsonic.com/ru/	España	www.viewsonic.com/es/
Türkiye	www.viewsonic.com/tr/	Україна	www.viewsonic.com/ua/
United Kingdom	www.viewsonic.com/uk/		

Limited Warranty

ViewSonic® Projector

What the warranty covers:

ViewSonic® warrants its products to be free from defects in material and workmanship, under normal use, during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic® will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

Limited Three (3) year General Warranty:

Subject to the more limited one (1) year warranty set out below, North and South America: Three (3) years warranty for all parts excluding the lamp, three (3) years for labor, and one (1) year for the original lamp from the date of the first consumer purchase.

Other regions or countries: Please check with your local dealer or local ViewSonic® office for the warranty information.

Limited One (1) year Heavy Usage Warranty:

Under heavy usage settings, where a projector's use includes more than fourteen (14) hours average daily usage, North and South America: One (1) year warranty for all parts excluding the lamp, one (1) year for labor, and ninety (90) days for the original lamp from the date of the first consumer purchase; Europe: One (1) year warranty for all parts excluding the lamp, one (1) year for labor, and ninety (90) days for the original lamp from the date of the first consumer purchase. Other regions or countries: Please check with your local dealer or local ViewSonic® office for the warranty information. Lamp warranty subject to terms and conditions, verification and approval. Applies to manufacturer's installed lamp only. All accessory lamps purchased separately are warranted for 90 days.

Who the warranty protects:

This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:

1. Any product on which the serial number has been defaced, modified, or removed.
2. Damage, deterioration, or malfunction resulting from:
    - » Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
    - » Operation outside of product specifications.
    - » Operation of the product for other than the normal intended use or not under normal conditions.
    - » Repair or attempted repair by anyone not authorized by ViewSonic®.
    - » Any damage of the product due to shipment.
    - » Removal or installation of the product.
    - » Causes external to the product, such as electric power fluctuations or failure.
    - » Use of supplies or parts not meeting Viewsonic's specifications.
    - » Normal wear and tear.
    - » Any other cause which does not relate to a product defect.
3. Removal, installation, and set-up service charges.

How to get service:

1. For information about receiving service under warranty, contact ViewSonic® Customer Support (Please refer to the "Customer Support" page). You will need to provide your product's serial number.
2. To obtain warranted service, you will be required to provide: (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
3. Take or ship the product, freight prepaid, in the original container to an authorized ViewSonic® service center or ViewSonic®.
4. For additional information or the name of the nearest ViewSonic® service center, contact ViewSonic®.

Limitation of implied warranties:

There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:

ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic® shall not be liable for:

1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by any other party.

Effect of state law:

This warranty gives you specific legal rights, and you may also have other rights which vary from local authority. Some local governments do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

Sales outside the U.S.A. and Canada:

For warranty information and service on ViewSonic® products sold outside of the U.S.A. and Canada, contact ViewSonic® or your local ViewSonic® dealer.

The warranty period for this product in mainland China (Hong Kong, Macao, and Taiwan Excluded) is subject to the terms and conditions of the Maintenance Guarantee Card.

For users in Europe and Russia, full details of warranty provided can be found at: http://www.viewsonic.com/eu/ under "Support/Warranty Information".

Mexico Limited Warranty

ViewSonic® Projector

What the warranty covers:

ViewSonic® warrants its products to be free from defects in material and workmanship, under normal use, during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic® will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components & accessories.

How long the warranty is effective:

3 years for all parts excluding the lamp, 3 years for labor, 1 year for the original lamp from the date of the first consumer purchase.

Lamp warranty subject to terms and conditions, verification and approval. Applies to manufacturer's installed lamp only.

All accessory lamps purchased separately are warranted for 90 days.

Who the warranty protects:

This warranty is valid only for the first consumer purchaser.

What the warranty excludes and does not cover:

1. Any product on which the serial number has been defaced, modified or removed.

2. Damage, deterioration, or malfunction resulting from:

- » Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, unauthorized attempted repair, or failure to follow instructions supplied with the product.
- » Any damage of the product due to shipment.
- » Causes external to the product, such as electrical power fluctuations or failure.
- » Use of supplies or parts not meeting ViewSonic®'s specifications.
- » Normal wear and tear.
- » Any other cause which does not relate to a product defect.

3. Any product exhibiting a condition commonly known as "image burn-in" which results when a static image is displayed on the product for an extended period of time.

4. Removal, installation, insurance, and set-up service charges.

How to get service:

For information about receiving service under warranty, contact ViewSonic® Customer Support (Please refer to the attached "Customer Service" page). You will need to provide your product's serial number, so please record the product information in the space provided below on your purchase for your future use. Please retain your receipt of proof of purchase to support your warranty claim.

For Your Records

Product Name: _____ Model Number: _____

Document Number: _____ Serial Number: _____

Purchase Date: _____ Extended Warranty Purchase? _____ (Y/N)

If so, what date does warranty expire? _____

1. To obtain warranty service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
2. Take or ship the product, in the original container packaging, to an authorized ViewSonic® service center.
3. Round trip transportation costs for in-warranty products will be paid by ViewSonic®.

Limitation of implied warranties:

There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:

ViewSonic®'s liability is limited to the cost of repair or replacement of the product. ViewSonic® shall not be liable for:

1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by any other party.
4. Repair or attempted repair by anyone not authorized by ViewSonic®.

Contact Information for Sales & Authorized Service (Centro Autorizado de Servicio) within Mexico:	
Name, address, of manufacturer and importers: México, Av. de la Palma #8 Piso 2 Despacho 203, Corporativo Interpalmas, Col. San Fernando Huixquilucan, Estado de México Tel: (55) 3605-1099 http://www.viewsonic.com/la/soporte/index.htm	
NÚMERO GRATIS DE ASISTENCIA TÉCNICA PARA TODO MÉXICO: 001.866.823.2004	
Hermosillo: Distribuciones y Servicios Computacionales SA de CV. Calle Juarez 284 local 2 Col. Bugambilias C.P: 83140 Tel: 01-66-22-14-9005 E-Mail: disc2@hmo.megared.net.mx	***Villahermosa:*** Compumantenimietnos Garantizados, S.A. de C.V. AV. GREGORIO MENDEZ #1504 COL, FLORIDA C.P. 86040 Tel: 01 (993) 3 52 00 47 / 3522074 / 3 52 20 09 E-Mail: compumantenimientos@prodigy.net.mx
Puebla, Pue. (Matriz): RENTA Y DATOS, S.A. DE C.V. Domicilio: 29 SUR 721 COL. LA PAZ 72160 PUEBLA, PUE. Tel: 01(52).222.891.55.77 CON 10 LINEAS E-Mail: datos@puebla.megared.net.mx	***Veracruz, Ver.:*** CONEXION Y DESARROLLO, S.A DE C.V. Av. Americas # 419 ENTRE PINZÓN Y ALVARADO Fracc. Reforma C.P. 91919 Tel: 01-22-91-00-31-67 E-Mail: gacosta@qplus.com.mx
Chihuahua: Soluciones Globales en Computación C. Magisterio # 3321 Col. Magisterial Chihuahua, Chih. Tel: 4136954 E-Mail: Cefeo@soluglobales.com	***Cuernavaca:*** Compusupport de Cuernavaca SA de CV Francisco Leyva # 178 Col. Miguel Hidalgo C.P. 62040, Cuernavaca Morelos Tel: 01 777 3180579 / 01 777 3124014 E-Mail: aquevedo@compusupportcva.com
Distrito Federal: QPLUS, S.A. de C.V. Av. Coyoacán 931 Col. Del Valle 03100, México, D.F. Tel: 01(52)55-50-00-27-35 E-Mail : gacosta@qplus.com.mx	***Guadalajara, Jal.:*** SERVICRECE, S.A. de C.V. Av. Niños Héroes # 2281 Col. Arcos Sur, Sector Juárez 44170, Guadalajara, Jalisco Tel: 01(52)33-36-15-15-43 E-Mail: mmiranda@servicrece.com
Guerrero Acapulco: GS Computación (Grupo Sesicomp) Progreso #6-A, Colo Centro 39300 Acapulco, Guerrero Tel: 744-48-32627	***Monterrey:*** Global Product Services Mar Caribe # 1987, Esquina con Golfo Pérsico Fracc. Bernardo Reyes, CP 64280 Monterrey N.L. México Tel: 8129-5103 E-Mail: aydeem@gps1.com.mx
MERIDA: ELECTROSER Av Reforma No. 403Gx39 y 41 Mérida, Yucatán, México CP97000 Tel: (52) 999-925-1916 E-Mail: rrrb@sureste.com	***Oaxaca, Oax.:*** CENTRO DE DISTRIBUCION Y SERVICIO, S.A. de C.V. Murguía # 708 P.A., Col. Centro, 68000, Oaxaca Tel: 01(52)95-15-15-22-22 Fax: 01(52)95-15-13-67-00 E-Mail. gpotai2001@hotmail.com
Tijuana: STD Av Ferrocarril Sonora #3780 L-C Col 20 de Noviembr Tijuana, Mexico	***FOR USA SUPPORT:*** ViewSonic® Corporation 381 Brea Canyon Road, Walnut, CA. 91789 USA Tel: 800-688-6688 E-Mail: http://www.viewsonic.com

Projector Mexico Warranty Term Template In UG
VSC_TEMP_2006

ViewSonic®