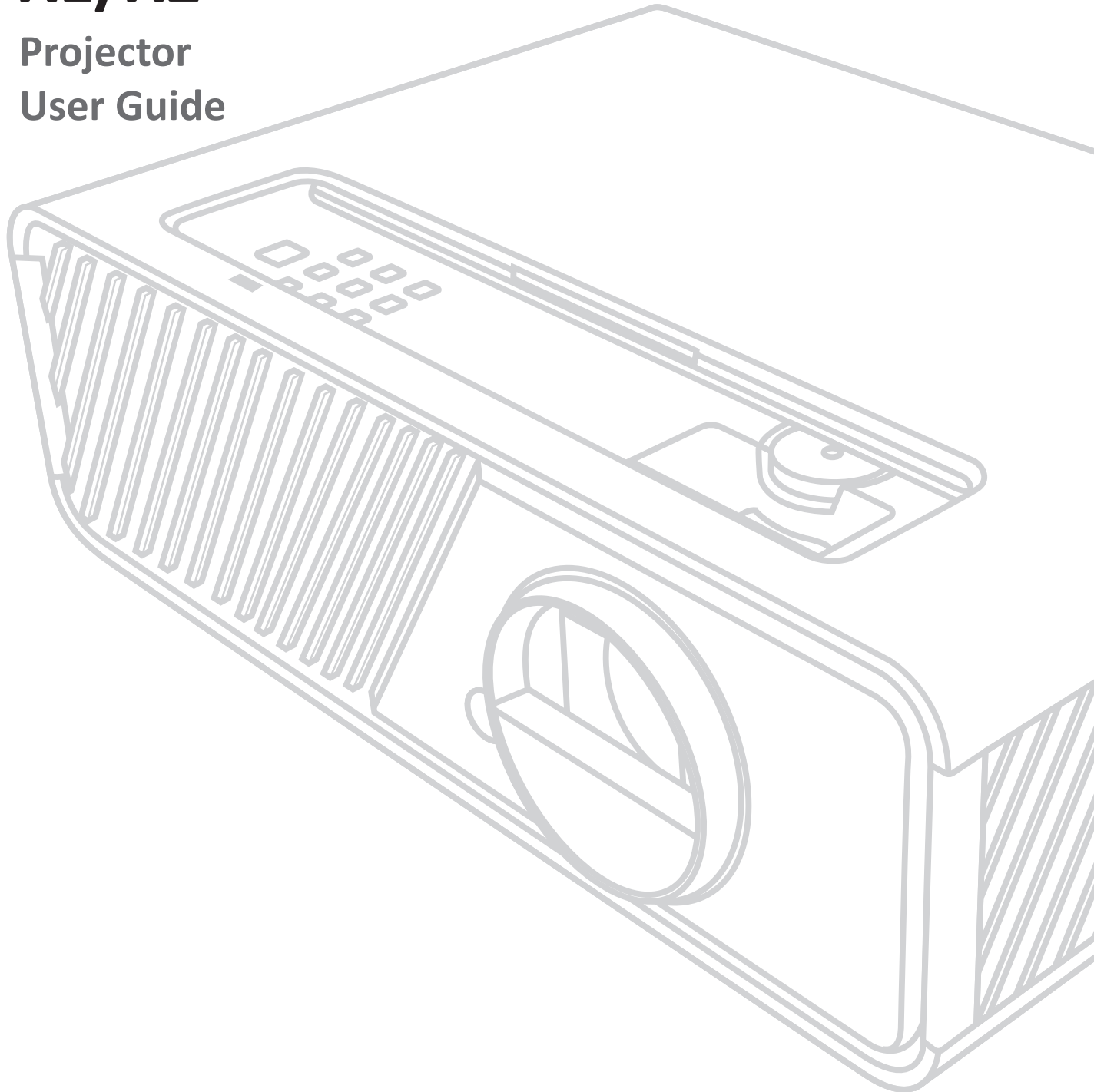


> X1/X2

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 in the upper right corner of our website. "Antes de operar su equipo lea cuidadosamente las instrucciones en este manual"

Model No. VS18969 / VS19041
Model Name: X1/X2

> Contents

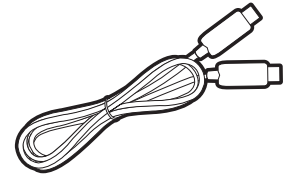
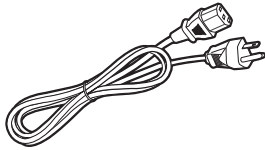
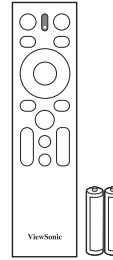
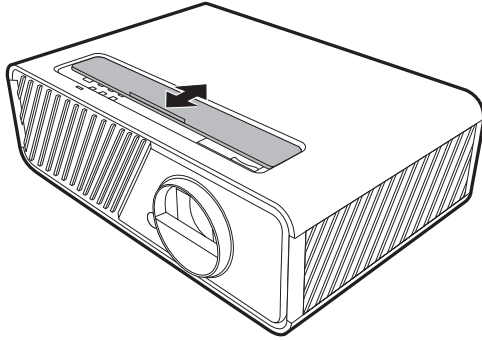
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> Introduction

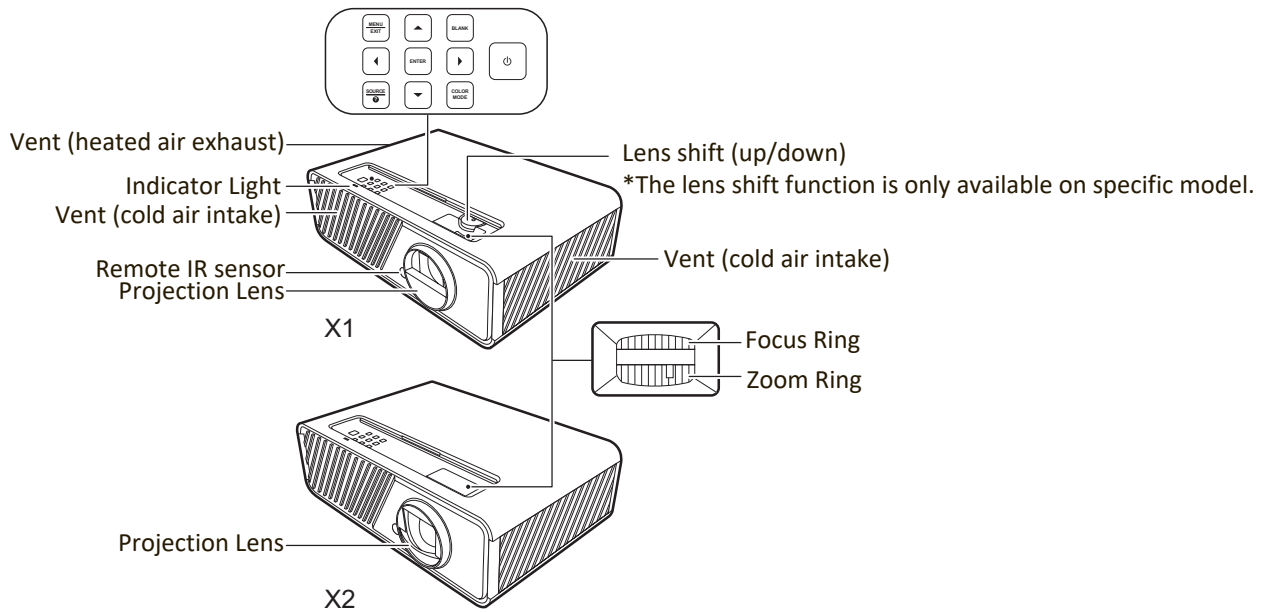
Package Contents



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

Product Overview

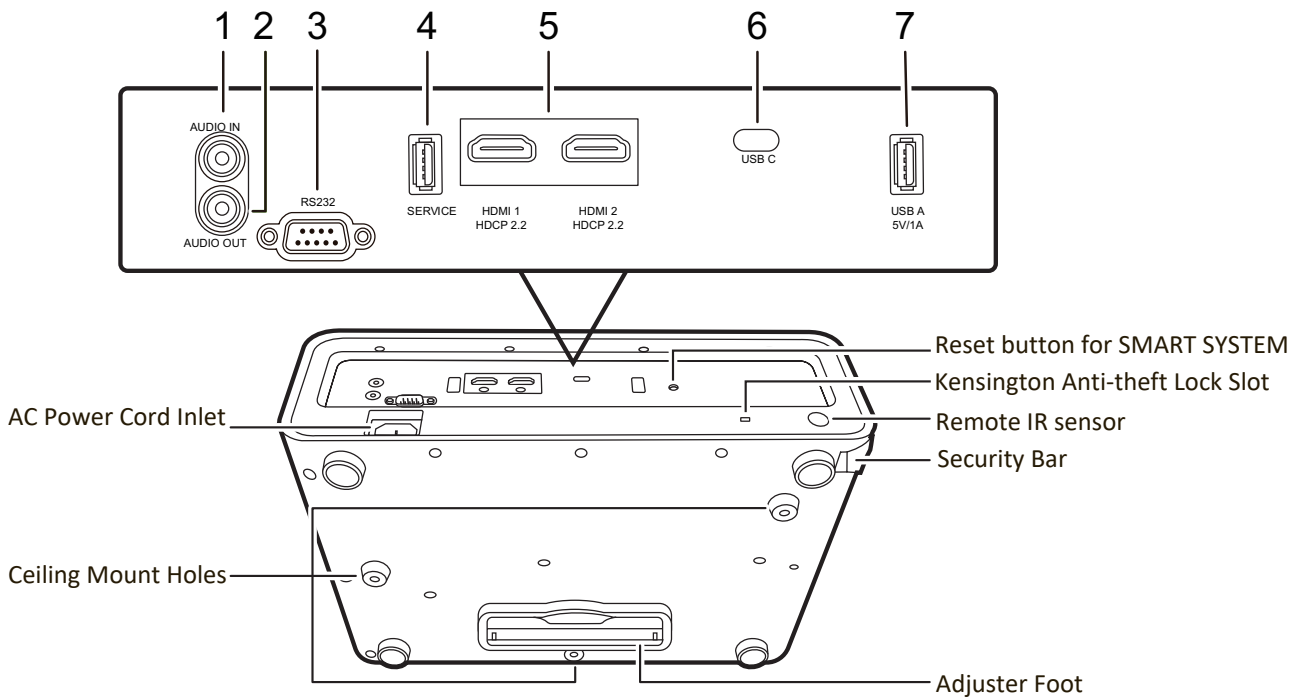
Projector



Controls and Functions

Key	Description
[Power]	Toggles the projector between standby mode and Power On.
MENU	<ul style="list-style-type: none"> Turns on or off the On-Screen Display (OSD) Menu. Goes back to previous OSD menu, exits and saves menu settings.
EXIT	
[Left/Right/Up/Down]	<p>When the input source is SMART SYSTEM</p> <p>Moves through the menu items or toggle through the available options.</p> <p>When the input source is not SMART SYSTEM</p> <ul style="list-style-type: none"> Manually corrects distorted images resulting from an angled projection. Selects the desired menu items and makes adjustments when the On-Screen Display (OSD) Menu is activated.
SOURCE	<ul style="list-style-type: none"> Displays the input source selection bar. Displays the HELP menu by a long press for 3 seconds.
BLANK	Hides the screen picture.
ENTER	<p>When the input source is SMART SYSTEM</p> <p>Confirms the selected menu item.</p> <p>When the input source is not SMART SYSTEM</p> <ul style="list-style-type: none"> Displays the Corner Adj. menu. Enacts the selected On-Screen Display (OSD) Menu item when the OSD Menu is activated.
COLOR MODE	Displays the color mode selection bar.

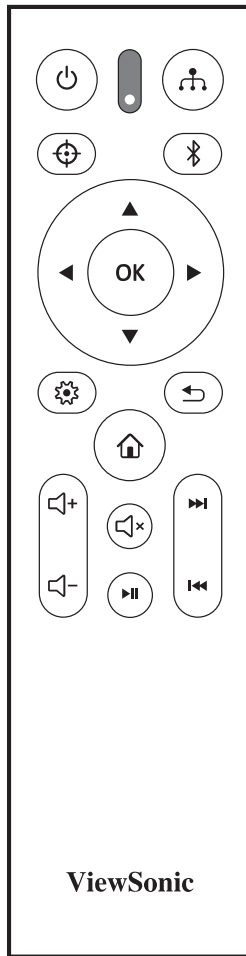
Connection Ports



Port	Description
[1] AUDIO IN	Audio signal input socket.
[2] AUDIO OUT	Audio signal output socket.
[3] RS-232	RS-232 control port.
[4] SERVICE	For service personnel only.
[5] HDMI 1, HDMI 2	HDMI ports.
[6] USB C	USB Type-C port.
[7] USB A 5V/1A OUT	USB Type A port for power supply.

Remote Control

Controls and Functions



When the input source is SMART SYSTEM

Button	Description
Power	Toggles between standby mode and Power On.
	Not available.
	Displays the source selection bar.
	Displays the Bluetooth menu.
Left/ Right Up/ Down	Selects the desired menu items and makes adjustments.
OK	Confirms the selected menu item.
	Turns on/off the On-Screen Display (OSD) Menu or goes back to previous OSD Menu.

Button	Description
	Returns to the previous menu, main settings menu or exit the app.
	Goes to the homepage of the SMART SYSTEM.
	Increases the projector volume.
	Decreases the projector volume.
	Mutes or unmutes the projector volume.
	Plays or pauses the playback of a file.
	Fast forwards the file or goes to the next one.
	Rewinds the file or goes to the previous one.

When the input source is not SMART SYSTEM

Button	Description
Power	Toggles between standby mode and Power On.
	Not available.
	Displays the source selection bar.
	Not available.
Left/ Right Up/ Down	<ul style="list-style-type: none"> Manually corrects distorted images resulting from an angled projection. Selects the desired menu items and makes adjustments when the On-Screen Display (OSD) Menu is activated.
OK	Confirms the selected menu item.
	Turns on/off the On-Screen Display (OSD) Menu or goes back to previous OSD Menu.

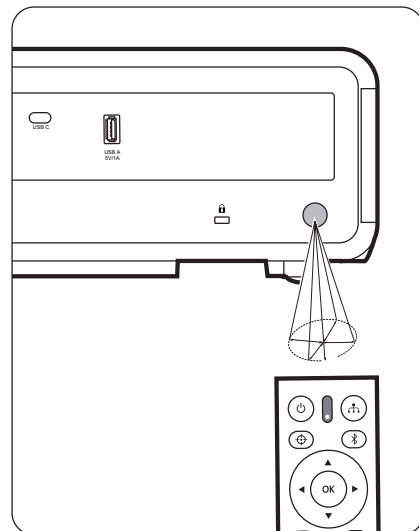
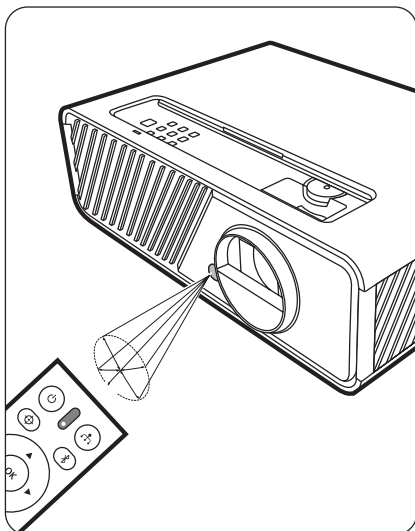
Button	Description
↶	Exits and saves menu settings.
🏠	Goes to the homepage of the SMART SYSTEM.
🔊+	Increases the projector volume.
🔊-	Decreases the projector volume.
🔊×	Mutes or unmutes the projector volume.
▶	Not available.
▶▶	
◀◀	

Remote Control Effective 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 8 m (26 ft.)

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

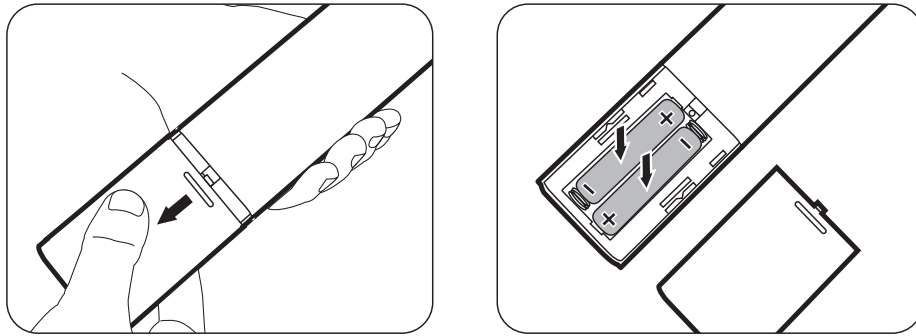


Replacing the Remote Control Batteries

1. Remove the battery cover from the rear of the remote control by pressing the finger grip and sliding it down.
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.
- Dispose of the used batteries according to the manufacturer's instructions and local environment regulations for your region.
- 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.

> Initial Setup

This section provides detailed instructions for setting up your projector.

Choosing a Location

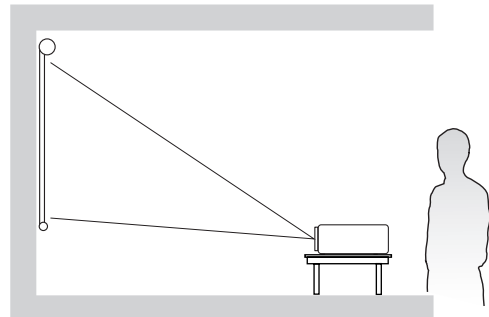
Personal preference and room layout will decide the installation location. Consider the following:

- 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:

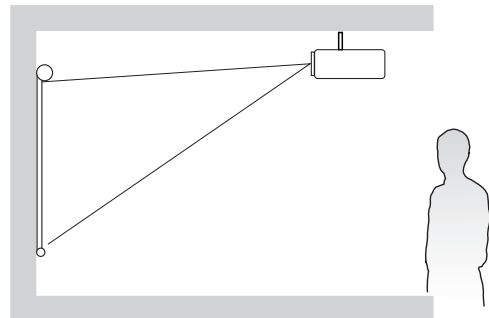
1. Front

The projector is placed near the floor in front of the screen.



2. Front Ceiling

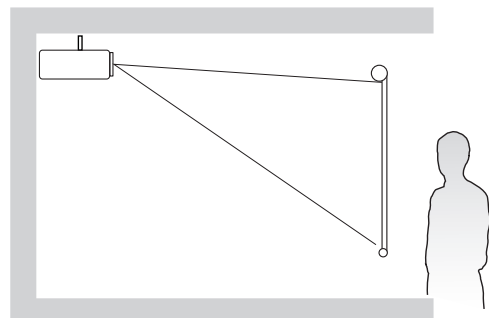
The projector is suspended upside-down from the ceiling in front of the screen.



3. Rear Ceiling

The projector is suspended upside-down from the ceiling behind the screen.

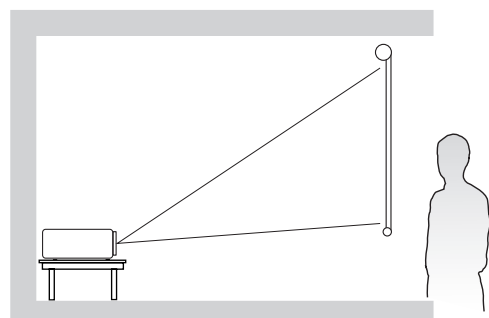
NOTE: A special rear projection screen is required.



4. Rear

The projector is placed near the floor behind the screen.

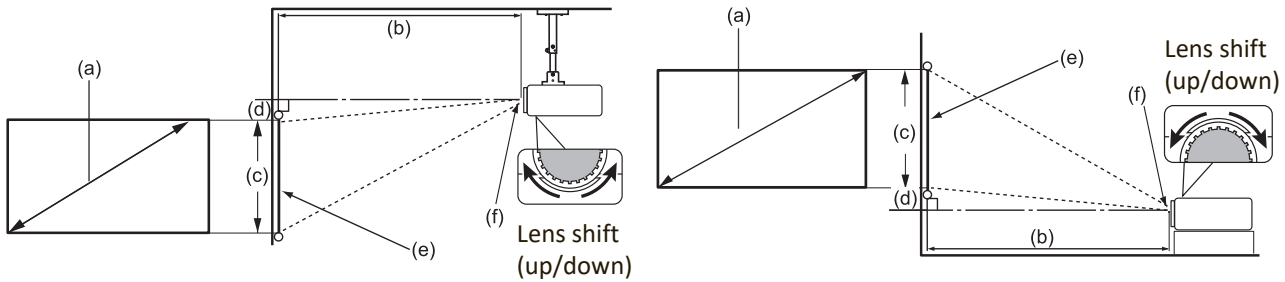
NOTE: A special rear projection screen is required.



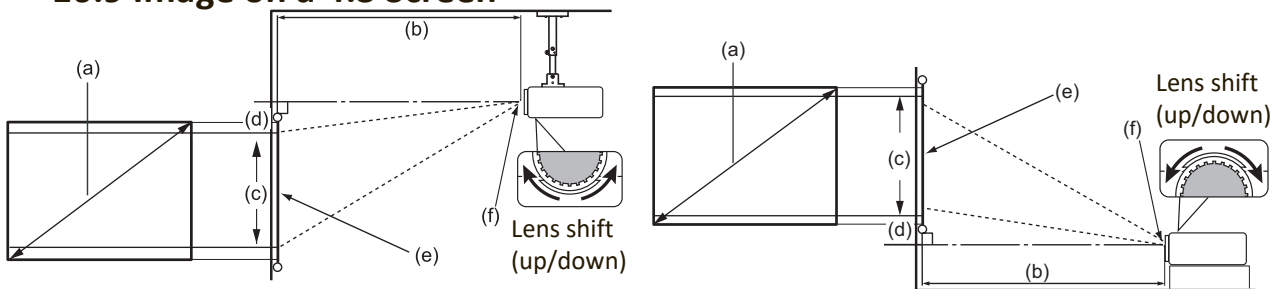
Projection Dimensions

NOTE: See “Specifications” on page 63 for the native display resolution of this projector.

- **16:9 Image on a 16:9 Screen**



- **16:9 Image on a 4:3 Screen**



NOTE: (e) = Screen
(f) = Center of Lens

- **16:9 Image on a 16:9 Screen**

X1

(a) Screen Size		(b) Projection Distance				(c) Image Height		(d) Vertical Offset			
		minimum		maximum				minimum		maximum	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
30	762	30	767	39	998	15	374	1	37	4.4	112
60	1524	60	1535	79	1995	29	747	3	75	8.8	224
70	1778	70	1791	92	2328	34	872	3	87	10.3	262
80	2032	81	2046	105	2660	39	996	4	100	11.8	299
90	2286	91	2302	118	2993	44	1121	4	112	13.2	336
100	2540	101	2558	131	3325	49	1245	5	125	14.7	374
110	2794	111	2814	144	3658	54	1370	5	137	16.2	411
120	3048	121	3069	157	3990	59	1494	6	149	17.6	448
130	3302	131	3325	170	4323	64	1619	6	162	19.1	486
140	3556	141	3581	183	4655	69	1743	7	174	20.6	523
150	3810	151	3837	196	4988	74	1868	7	187	22.1	560
200	5080	201	5116	262	6651	98	2491	10	249	29.4	747
250	6350	252	6395	327	8313	123	3113	12	311	36.8	934
300	7620	302	7674	393	9976	147	3736	15	374	44.1	1121

X2

(a) Screen Size		(b) Projection Distance				(c) Image Height		(d) Vertical Offset			
		minimum		maximum				minimum		maximum	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
30	762	18	455	21	546	15	374	1	19	0.7	19
60	1524	36	909	43	1091	29	747	1	37	1.5	37
70	1778	42	1061	50	1273	34	872	2	44	1.7	44
80	2032	48	1213	57	1455	39	996	2	50	2.0	50
90	2286	54	1364	64	1637	44	1121	2	56	2.2	56
100	2540	60	1516	72	1819	49	1245	2	62	2.5	62
110	2794	66	1667	79	2001	54	1370	3	68	2.7	68
120	3048	72	1819	86	2183	59	1494	3	75	2.9	75
130	3302	78	1971	93	2365	64	1619	3	81	3.2	81
140	3556	84	2122	100	2547	69	1743	3	87	3.4	87
150	3810	90	2274	107	2728	74	1868	4	93	3.7	93
200	5080	119	3032	143	3638	98	2491	5	125	4.9	125
250	6350	149	3789	179	4547	123	3113	6	156	6.1	156
300	7620	179	4547	215	5457	147	3736	7	187	7.4	187

- 16:9 Image on a 4:3 Screen

X1

(a) Screen Size		(b) Projection Distance				(c) Image Height		(d) Vertical Offset			
		minimum		maximum				minimum		maximum	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
30	762	28	704	36	916	14	343	1	34	1	34
60	1524	55	1409	72	1831	27	686	3	69	3	69
70	1778	65	1643	84	2137	32	800	3	80	3	80
80	2032	74	1878	96	2442	36	914	4	91	4	91
90	2286	83	2113	108	2747	41	1029	4	103	4	103
100	2540	92	2348	120	3052	45	1143	5	114	5	114
110	2794	102	2583	132	3357	50	1257	5	126	5	126
120	3048	111	2817	144	3663	54	1372	5	137	5	137
130	3302	120	3052	156	3968	59	1486	6	149	6	149
140	3556	129	3287	168	4273	63	1600	6	160	6	160
150	3810	139	3522	180	4578	68	1715	7	171	7	171
200	5080	185	4696	240	6104	90	2286	9	229	9	229
250	6350	231	5870	300	7630	113	2858	11	286	11	286
300	7620	277	7044	360	9157	135	3429	14	343	14	343

X2

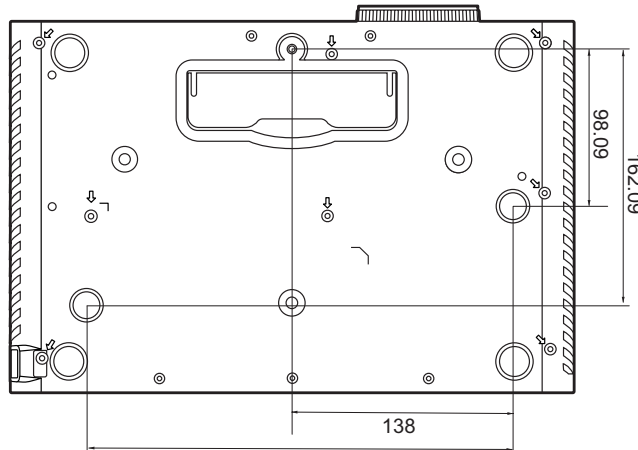
(a) Screen Size		(b) Projection Distance				(c) Image Height		(d) Vertical Offset			
		minimum		maximum				minimum		maximum	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
30	762	16	417	20	501	14	343	1	17	1	17
60	1524	33	835	39	1002	27	686	1	34	1	34
70	1778	38	974	46	1169	32	800	2	40	2	40
80	2032	44	1113	53	1336	36	914	2	46	2	46
90	2286	49	1252	59	1503	41	1029	2	51	2	51
100	2540	55	1391	66	1670	45	1143	2	57	2	57
110	2794	60	1530	72	1837	50	1257	2	63	2	63
120	3048	66	1670	79	2003	54	1372	3	69	3	69
130	3302	71	1809	85	2170	59	1486	3	74	3	74
140	3556	77	1948	92	2337	63	1600	3	80	3	80
150	3810	82	2087	99	2504	68	1715	3	86	3	86
200	5080	110	2783	131	3339	90	2286	5	114	5	114
250	6350	137	3478	164	4174	113	2858	6	143	6	143
300	7620	164	4174	197	5009	135	3429	7	171	7	171

NOTE: It is recommended that if you intend to permanently install the projector, please physically test the projection size and distance using the actual projector in situ 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 a mount to the projector meet the following specifications:
 - Screw type: M4 x 8
 - Maximum Screw length: 8 mm



NOTE:

- Avoid installing the projector near a heat source.
- Keep at least a 10 cm gap between the ceiling and the bottom of the projector.

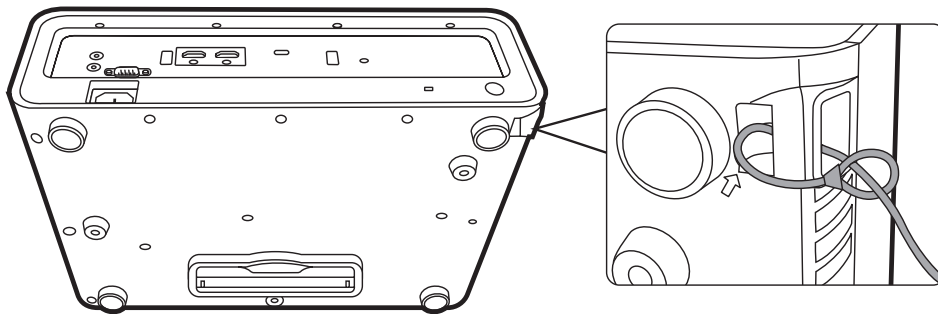
Preventing Unauthorized Use

The projector has several built-in security features to prevent theft, access, or accidental setting changes.

Using the Security Slot

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

Below is an example of setting up a security slot locking device:




NOTE: The security slot can also be used as a safety anchor if the projector is mounted to the ceiling.

Using the Password Function


To help prevent unauthorized access or use, the projector offers a password security option. The password can be set through the On-Screen Display (OSD) Menu.

NOTE: Make note of your password, and keep it in a safe place.

Setting a Password




1. Press **MENU** or  to open the OSD Menu and go to: **SYSTEM > Security Settings** and press **ENTER/OK**.
2. Highlight **Power On Lock** and select **On** by pressing **◀/▶**.
3. As pictured to the right, the four arrow keys (**▲**, **▶**, **▼**, **◀**) represent 4 digits (1, 2, 3, 4). Press the arrow keys to enter a six digit password.



5. Confirm the new password by re-entering the new password. Once the password is set, the OSD Menu will return to the **Security Settings** page.
6. Press **EXIT** or  to leave the OSD Menu.



NOTE: Once set, the correct password must be entered every time the projector is started.

Changing the Password

1. Press **MENU** or  to open the OSD Menu and go to: **SYSTEM > Security Settings > Change Password**.
2. Press **ENTER/OK**, the message, 'INPUT CURRENT PASSWORD' will appear.
3. Enter the old password.
 - » If the password is correct, the message, 'INPUT NEW PASSWORD' will appear.
 - » If the password is incorrect, a password error message will appear for 5 seconds followed by the message, 'INPUT CURRENT PASSWORD'. You can try again or press **EXIT** or  to cancel.
4. Enter a new password.
5. Confirm the new password by re-entering the new password.
6. To leave the OSD Menu, press **EXIT** or .

NOTE: The digits being input will display as asterisks(*).

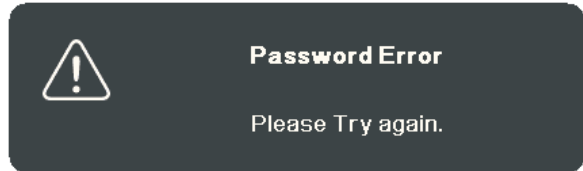
Disabling the Password Function

1. Press **MENU** or  to open the OSD Menu and go to: **SYSTEM > Security Settings > Power On Lock**.
2. Press **◀/▶** to select **Off**.
3. The message, "Input Password" will appear. Enter the current password.
 - » If the password is correct, the OSD Menu returns to the Password page with "**Off**" shown in the row of **Power On Lock**.
 - » If the password is incorrect, a password error message will appear for 5 seconds followed by the message, 'INPUT CURRENT PASSWORD'. You can try again or press **EXIT** or  to cancel.

NOTE: Please keep the old password, as you will need it to reactivate the password function.

Forgetting the Password

If the password function is activated, you will be asked to enter the six-digit password every time you turn on the projector. If you enter the wrong password, the password error message, as pictured to the right, will appear for 5 seconds, and the message 'INPUT PASSWORD' follows.

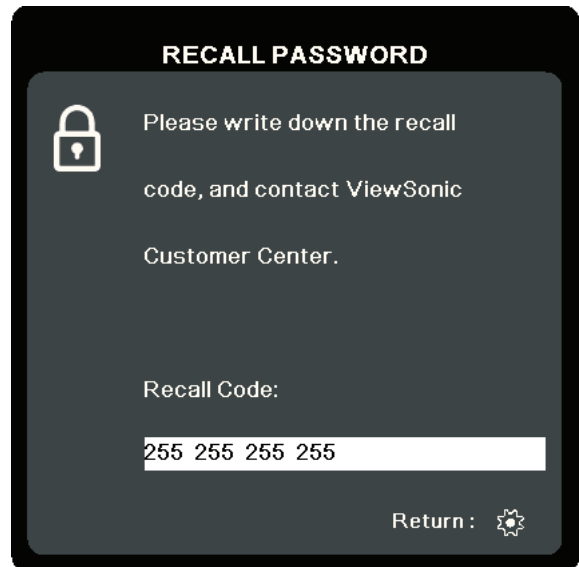


You can retry or if you do not remember, you can use the "Password Recall Procedure".

NOTE: If you enter an incorrect password 5 times in succession, the projector will automatically shut down for a short time.

Password Recall Procedure


1. When the message 'INPUT CURRENT PASSWORD' appears, press and hold **ENTER/OK** for 3 seconds. The projector will display a coded number on the screen.
2. Write down the number and turn off your projector.
3. Seek help from the local service center to decode the number. You may be required to provide proof of purchase documentation to verify that you are an authorized user of the projector.



Locking the Control Keys

With the control keys on the projector locked, you can prevent your settings from being changed accidentally (by children, for example).

NOTE: When the **Panel Key Lock** is On, no control keys on the projector will operate except **Power**.

1. Press **MENU** or  to open the OSD Menu and go to: **SYSTEM > Panel Key Lock**.
2. Press **▲/▼** to select **On**.
3. Select **Yes** and press **ENTER/OK** to confirm.
4. To release panel key lock, press and hold **▶** on the projector for 3 seconds.

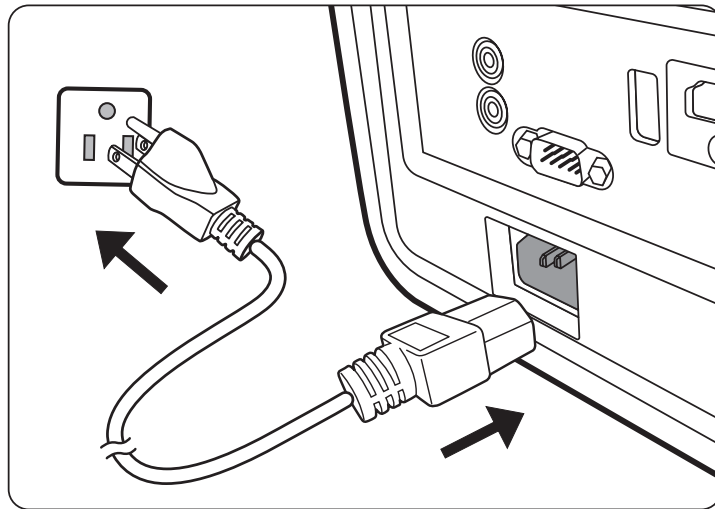
NOTE: You can also use the remote control to enter the **SYSTEM > Panel Key Lock** menu and select **Off**.

> Making Connections

This section guides you on how to connect the projector with other equipment.

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 Video/Computer Sources

HDMI Connection

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

USB C Connection

Connect one end of an USB C cable to the USB C port of your video/computer device. Then connect the other end of the cable to the **USB C** port of your projector.

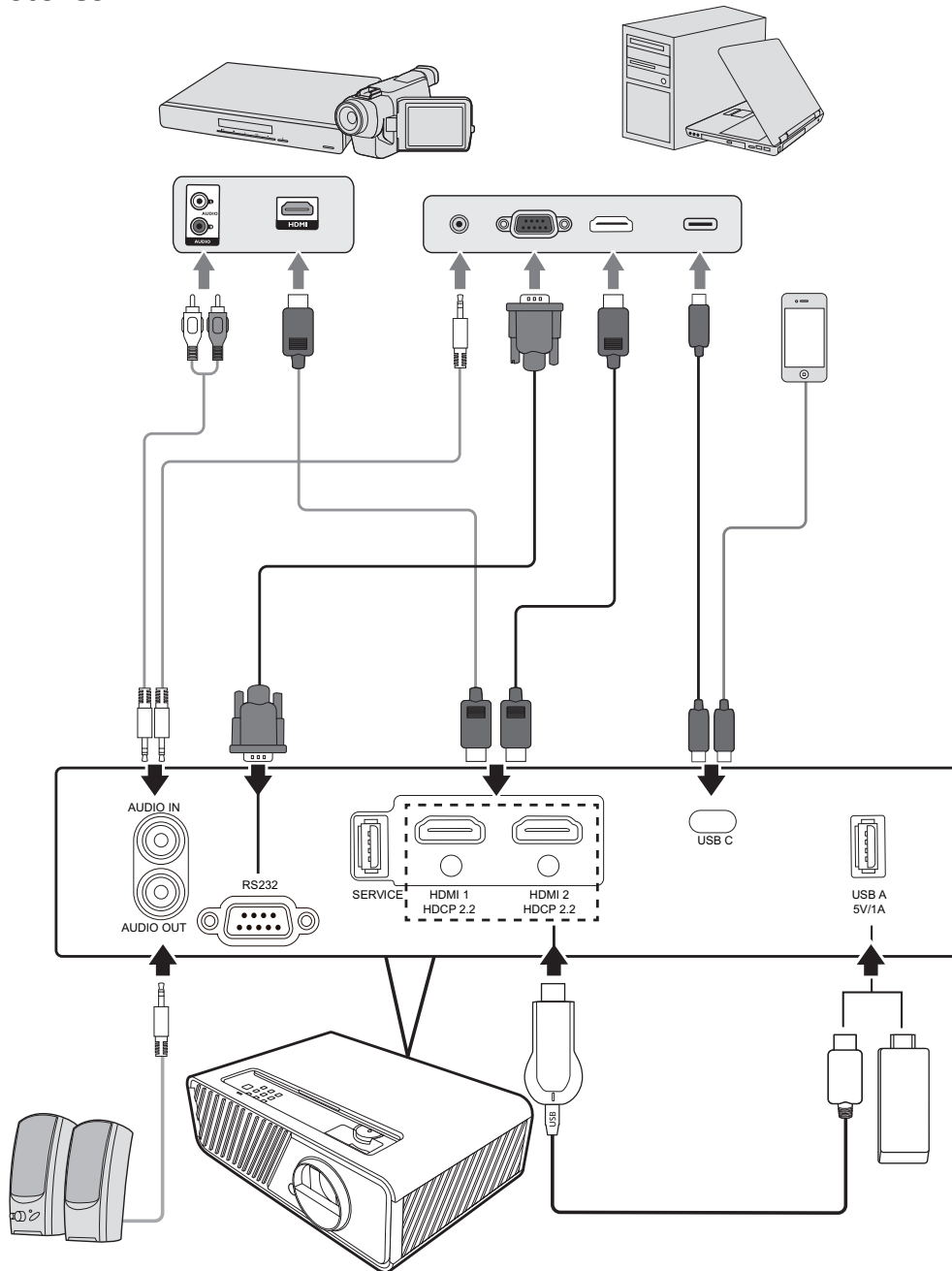
Connecting to Audio

The projector is equipped with speakers, however, you can also connect external speakers to the **AUDIO OUT** port of the projector.

NOTE:

- The audio output is controlled by the remote control and the projector's **Volume** and **Mute** settings.
- The **AUDIO IN** port only works when the input signal is in the DVI-D format.

The connection illustrations below are for reference only. The connecting jacks available on the projector vary with each projector model. Some cables may not be included with the projector. They are commercially available from electronics stores.



> Operation

Turning the Projector On/Off

Starting Up the Projector

1. Press the **Power** button to turn on the projector.
2. The light source will light up, and a “**Power On/Off Ring Tone**” will play.
3. The Power Indicator Light stays green when the projector is On.

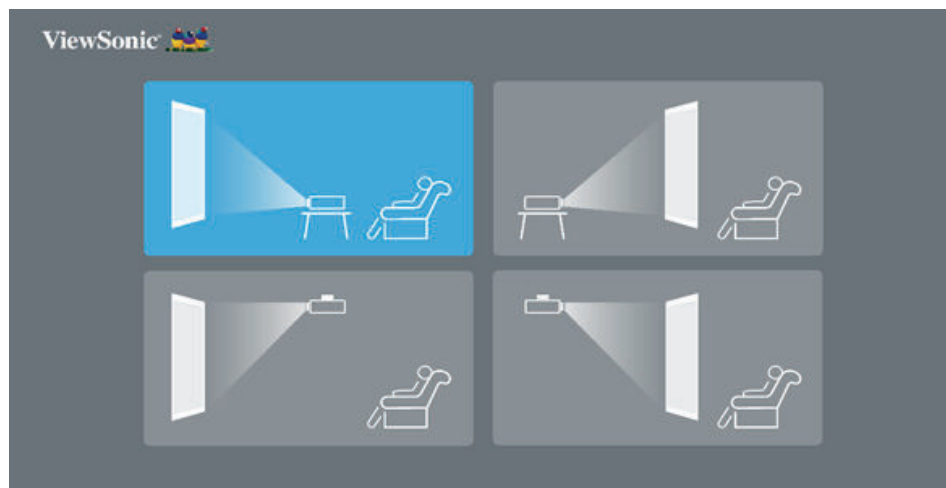
NOTE:

- If the projector is still hot from previous use, it will run the cooling fan for 90 seconds before activating the light source.
 - To maintain light source life, once you turn the projector On, wait at least five (5) minutes before turning it off.
4. Turn on all of the connected equipment, i.e. notebook, and the projector will start to search for an input source.

NOTE: If the projector detects an input source, the Source Selection Bar will appear. If an input source is not detected, the message, ‘No Signal’ will appear.

First Time Activation

If the projector is activated for the first time, select the projector position, WiFi settings and OSD language following the on-screen instructions.



Shutting Down the Projector

1. Press the **Power** or **Off** button and a confirmation message will appear to prompt you to press the **Power** or **Off** button a second time. Additionally you can press any other button to cancel.

NOTE: If you do not respond in a few seconds after the first press, the message will disappear.

2. Once the cooling process finishes, a **“Power On/Off Ring Tone”** will play.
3. Disconnect the power cord from the power outlet if the projector will not be used for an extended period of time.

NOTE:

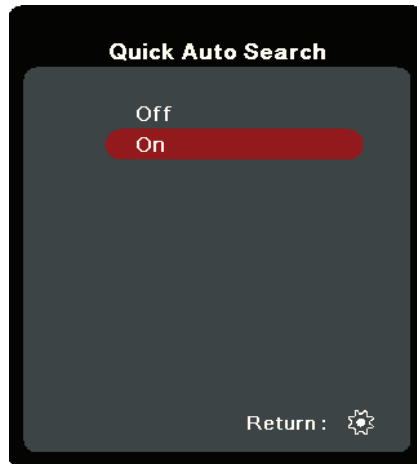
- To protect the light source, the projector will not respond to commands during the cooling process.
- Do not unplug the power cord before the projector completely shuts down.

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.

If you want the projector to automatically search for the input source, ensure the **Quick Auto Search** function in the **SYSTEM** menu is **On**.

NOTE: If no input source is detected, the projector will go to **SMART SYSTEM**.



To manually select the input source do the following:

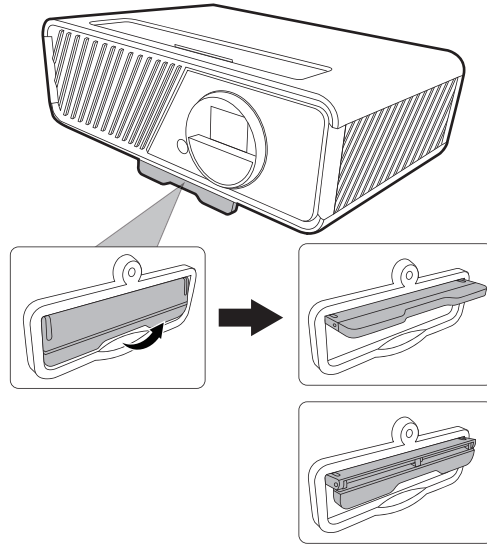
1. Press **SOURCE** or , and a source selection menu will appear.
2. Press **▲/▼** until your desired signal is selected and press **ENTER/OK**.
3. Once detected, the selected source information will be displayed on the screen for a few seconds.

NOTE: If there are multiple devices connected to the projector, repeat steps 1-2 to search for another source.

Adjusting the Projected Image

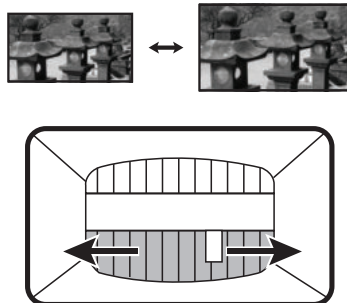
Adjusting the Projector's Height and Projection Angle

The projector is equipped with one (1) adjuster foot. Adjusting the foot will change the projector's height and the vertical projection angle. Carefully adjust the foot to fine tune the projected image's position.

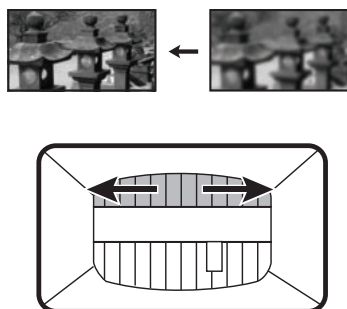


Fine-Tuning the Image Size and Clarity

To adjust the projected image to the size that you need, rotate the Zoom Ring.



To improve the clarity of the image, rotate the Focus Ring.

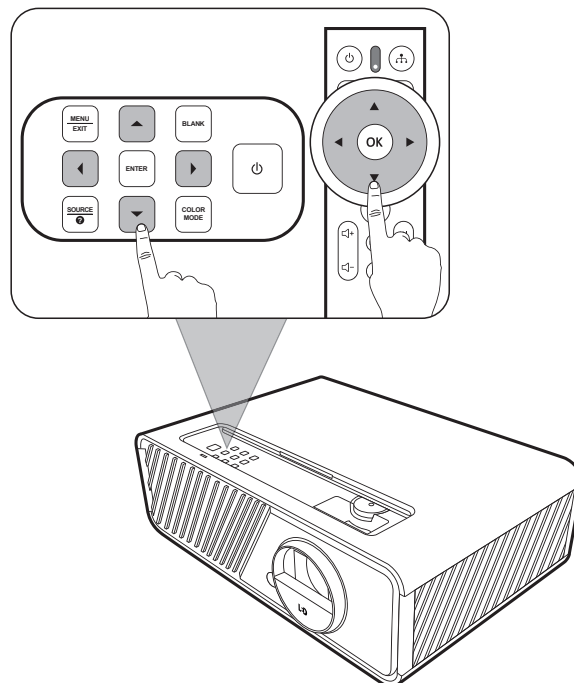
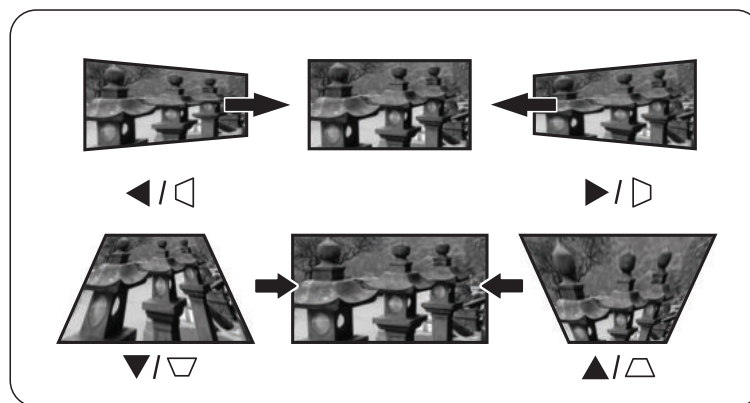


Correcting Keystone

Keystoning refers to the situation where the projected image becomes a trapezoid due to angled projection.

To correct this, besides adjusting the height of the projector, you may also:

1. Use the **◀Left/▶Right/▲Up/▼Down** keys on the projector or remote control to display the keystone page (when the input source is not **SMART SYSTEM**).
2. After the keystone page is displayed, press **▼Down** to correct keystone at the top of the image. Press **▲Up** to correct keystone at the bottom of the image. Press **◻** to correct keystone at the bottom of the image. Press **▶Right** to correct keystone at the right side of the image. Press **◀Left** to correct keystone at the left side of the image.



Adjusting 4 corners

You can manually adjust the shape and size of an image that is unevenly rectangular on all sides.

1. To display the **Corner Adj.** page, you can do one of the followings:

- Press **ENTER/OK**.
- Open the OSD menu and go to the **DISPLAY > Corner Adj.** menu and press **Enter**. The **Corner Adj.** page is displayed.

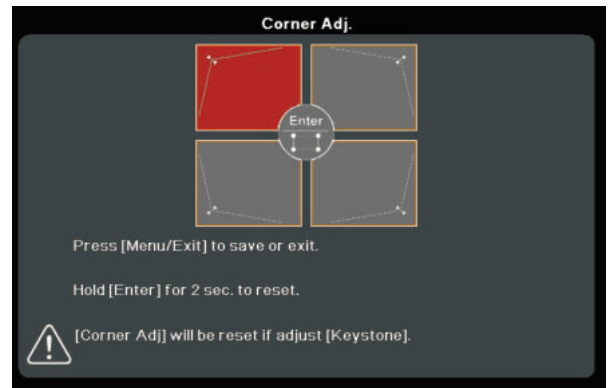
2. Use **▲/▼/◀/▶** to select the corner you wish to adjust and press **ENTER/OK**.

3. Use **◀/▶** to select an adjustment method that suits your need and press **ENTER/OK**.

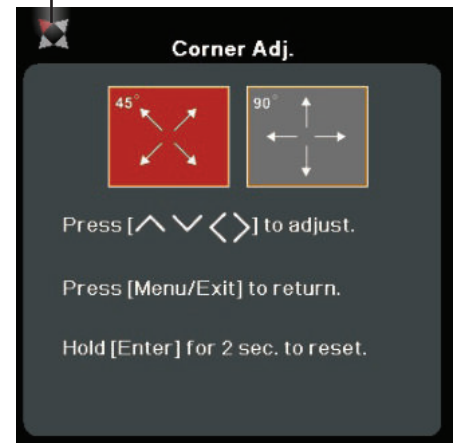
4. As indicated on the screen (**▲/▼** for a 45-degree angle adjustment and **▲/▼/◀/▶** for a 90-degree angle adjustment), press **▲/▼/◀/▶** to adjust its shape and size. You can press **Exit** or **⚙** to go back to a previous step. A long press for 2 seconds on **ENTER/OK** will reset the settings on the corner that you chose.

NOTE:

- Adjusting keystone will reset the **Corner Adj.** settings.
- After the **Corner Adj.** settings have been modified, some aspect ratios or timings are not available. When that happens, reset the settings on all 4 corners.



Indicates the corner you selected.



Hiding the Image

In order to draw the audience's full attention to the presenter, you can press **BLANK** on the projector to hide the screen image. Press any key on the projector or remote control to restore the image.


CAUTION: Do not block the projection lens as this could cause the blocking object to become heated and deformed or even cause a fire.

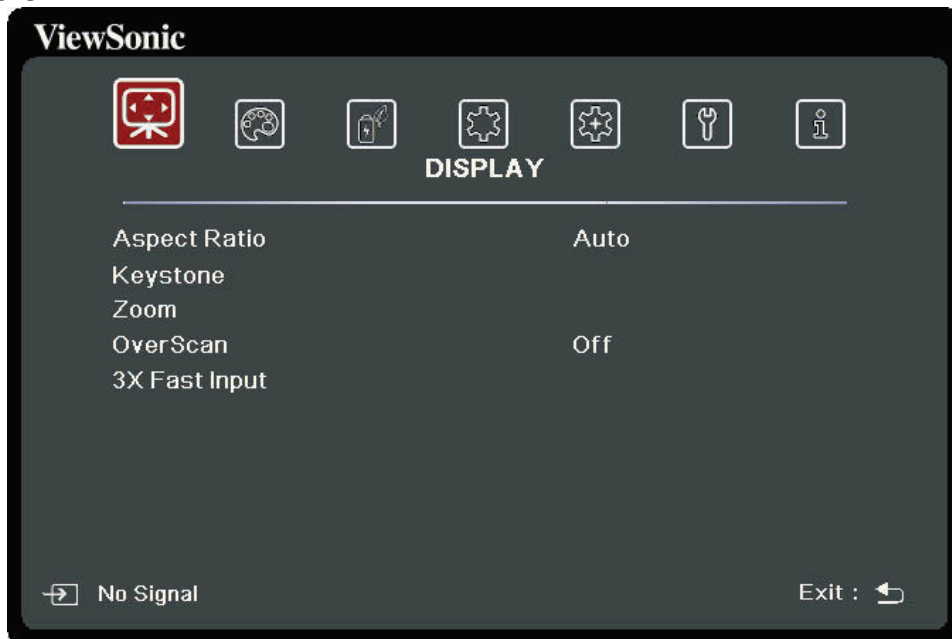
> Menu Functions









This section will introduce the On-Screen Display (OSD) Menu and its options.





General On-Screen Display (OSD) Menu Operation

NOTE: The OSD screenshots in this manual are for reference only and may differ from the actual design. Some of the following OSD settings may not be available. Please refer to the actual OSD of your projector.

The projector is equipped with an On-Screen Display (OSD) Menu for making various adjustments. It can be accessed by pressing **MENU** or  on the projector or remote control.



1. Press / to select a main menu. Then press **ENTER/OK** or use / to access the sub-menu list.
2. Press / to select the menu option. Then press **ENTER/OK** to display its sub-menu, or press / to adjust/select the setting.

NOTE: Some sub-menu options may have another sub-menu. To enter the respective sub-menu, press **ENTER/OK**. Use / or / to adjust/select the setting.

On-Screen Display (OSD) Menu Tree

Main Menu	Sub-menu	Menu Option	
DISPLAY	Aspect Ratio	Auto	
		4:3	
		16:9	
		16:10	
		2.35:1	
		Native	
	Keystone	Auto V Keystone	Off/On
		Vertical	+40~-40
		Horizontal	+40~-40
	Corner Adj.	Top-Right	
		Top-Left	
		Bottom-Right	
		Bottom-Left	
	Zoom	0.8X ~2.0X	
	OverScan	Off/1/2/3/4/5	
	3X Fast Input	Inactive	
		Active	






Main Menu	Sub-menu	Menu Option		
IMAGE	Color Mode	Brightest		
		TV		
		Gaming		
		Movie		
		User 1		
		User 2		
	Brightness	0~100		
	Contrast	-50~50		
	Color Temp.	9300K/7500K/6500K		
		Red Gain	0~100	
		Green Gain	0~100	
		Blue Gain	0~100	
		Red Offset	-50~+50	
		Green Offset	-50~+50	
		Blue Offset	-50~+50	
	Advanced	Color	-50~50	
		Sharpness	0~31	
		Gamma	1.8/2.0/2.2/2.35/ 2.5/Cubic/sRGB	
		Color Management	Primary Color	
			Hue	
			Saturation	
			Gain	
	Reset Color Settings	Reset		
Cancel				

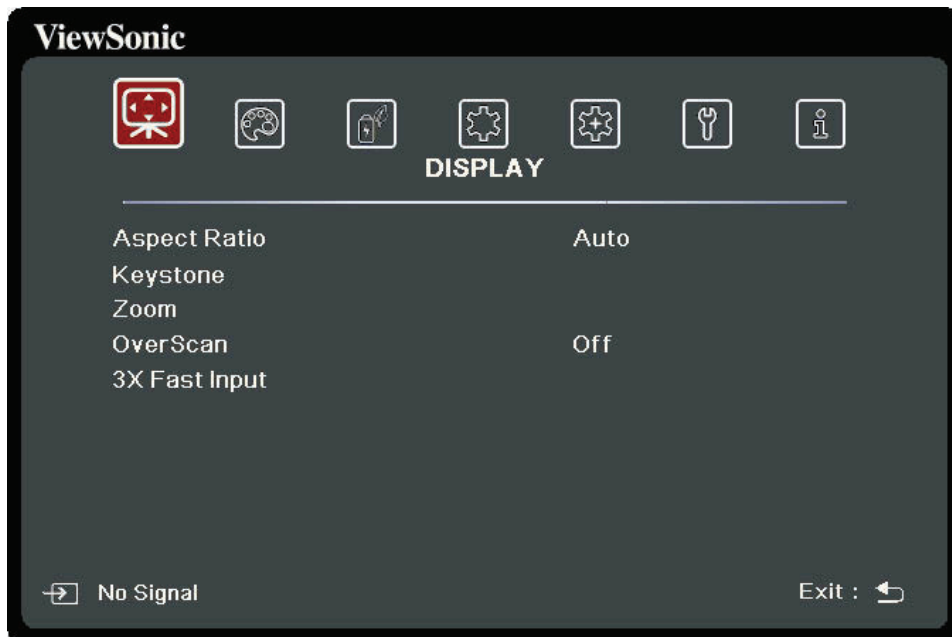
Main Menu	Sub-menu	Menu Option		
POWER MANAGEMENT	Auto Power On	Signal	Disable/HDMI	
		CEC	Disable/Enable	
		Direct Power On	Disable/Enable	
	Smart Energy	Auto Power Off	Disable/10 min/20 min/30 min	
		Sleep Timer	Disable/30 min/1 hr/2hr/3 hr/4 hr/ 8 hr/12 hr	
		Power Saving	Disable/Enable	
	Standby Settings	Audio Pass Through	Off/On	
BASIC	Audio Settings	Audio Mode	Music/Speech/Movie	
		Mute	Off/On	
		Audio Volume	0~20	
		Power On/Off Ring Tone	Off/On	
	Presentation Timer	Timer Period	1~240 m	
		Timer Display	Always/1 min/2 min/3 min/Never	
		Timer Position	Top-Left/Bottom-Left/Top-Right/Bottom-Right	
		Timer Counting Direction	Count Down/Count Up	
		Sound Reminder	Off/On	
		Start Counting/Off		
	Pattern	Off		
		Test Card		
	Blank Timer	Disable/5 min/10 min/15 min/20 min/25 min/30 min		
	Message	Off		
		On		
	Splash Screen	Black		
		Blue		
		ViewSonic		





Main Menu	Sub-menu	Menu Option			
ADVANCED	HDR	HDR	Auto/SDR		
		EOTF	Low/Mid/High		
	3D Settings	3D Format	Auto	Off	
			Frame Sequential	Frame Packing	
			Top-Bottom	Side-by-Side	
			3D Sync Invert	Disable/Invert	
			Save 3D Settings	Yes/No	
			HDMI Settings	HDMI Format	Auto/RGB/YUV
		HDMI Range		Auto/Enhanced/Normal	
	Light Source Settings	Light Source Mode	Normal/Eco/ Dynamic Black 1/ Dynamic Black 2/Custom		
		Light Source Power	20%~100%		
		Reset Light Source Hours	Reset/Cancel		
		Light Source Hours Information	Light Source Usage Time	Normal	
			Eco	Dynamic Black 1	
			Dynamic Black 2	Custom	
			Restart Smart System	Reset	
				Cancel	
	Reset Settings	Reset			
		Cancel			





Main Menu	Sub-menu	Menu Option		
SYSTEM	Language	Multi-Language OSD Selection		
	Projector Position	Front Table		
		Rear Table		
		Rear Ceiling		
		Front Ceiling		
	Menu Settings	Menu Display Time	5 sec/10 sec/15 sec/20 sec/25 sec/30 sec	
		Menu Position	Center/Top-Left/Top-Right/Bottom-Left/Bottom-Right	
	High Altitude Mode	Off		
		On		
	Quick Auto Search	Off		
		On		
	Security Settings	Change Password		
		Power On Lock		Off/On
	Panel Key Lock	Off		
		On		
Control Method	RS-232			
	USB			
Baud Rate	2400/4800/9600/14400/19200/38400/57600/115200			
INFORMATION	Source			
	Color Mode			
	Resolution			
	Color System			
	Firmware Version			
	3X Fast Input			
	S/N			

DISPLAY Menu

1. Press the **MENU** or  button to display the On-Screen Display (OSD) Menu.
2. Press / to select the **DISPLAY** menu. Then press **ENTER/OK** or use / to access the **DISPLAY** menu.








3. Press / to select the menu option. Then press **ENTER/OK** to display its sub-menu, or press / to adjust/select the setting.

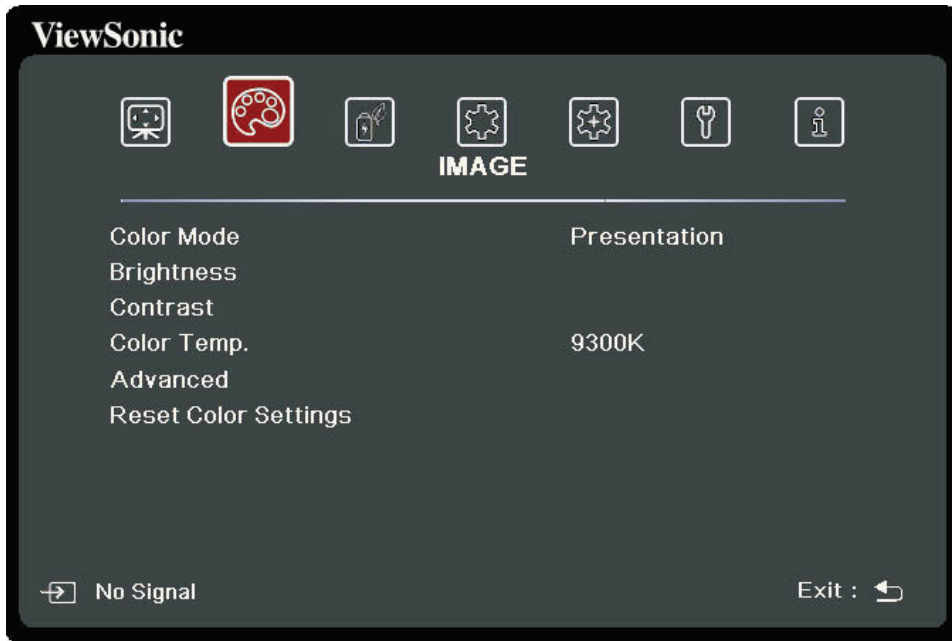
NOTE: Some sub-menu options may have another sub-menu. To enter the respective sub-menu, press **ENTER/OK**. Use / or / to adjust/select the setting.





Menu Option	Description
Aspect Ratio	<p><u>Auto</u> 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 in 4:3 nor 16:9 and you want to make most use of the screen without altering the image's aspect ratio.</p> <p><u>4:3</u> 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.</p> <p><u>16:9</u> 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, as it displays them without aspect alteration.</p> <p><u>16:10</u> Scales an image so that it is displayed in the center of the screen with a 16:10 aspect ratio. This is most suitable for images which are already in a 16:10 aspect, as it displays them without aspect alteration.</p> <p><u>2.35:1</u> Scales an image so that it is displayed in the center of the screen with a 2.35:1 aspect ratio without aspect alteration.</p> <p><u>Native</u> Projects an 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.</p>
Keystone	Adjusts the keystone situation where the projected image becomes a trapezoid due to angled projection.
Corner Adj.	Adjusts the shape and size of an image that is unevenly rectangular on all sides.
Zoom	Magnifies the projected image and allows you to navigate the image.
OverScan	Adjusts the overscan rate from 0 to 5.





Menu Option	Description
3X Fast Input	<p>This function is favorable to frame rate reducing. Quick response time in native timing can be achieved. When enabled, the following settings (if applicable) will return to factory preset values: Aspect Ratio, Zoom, OverScan.</p> <p>NOTE: This function is only available when a native timing input signal is selected.</p>







IMAGE Menu

1. Press the **MENU** or  button to display the On-Screen Display (OSD) Menu.
2. Press / to select the **IMAGE** menu. Then press **ENTER/OK** or use / to access the **IMAGE** menu.



3. Press / to select the menu option. Then press **ENTER/OK** to display its sub-menu, or press / to adjust/select the setting.

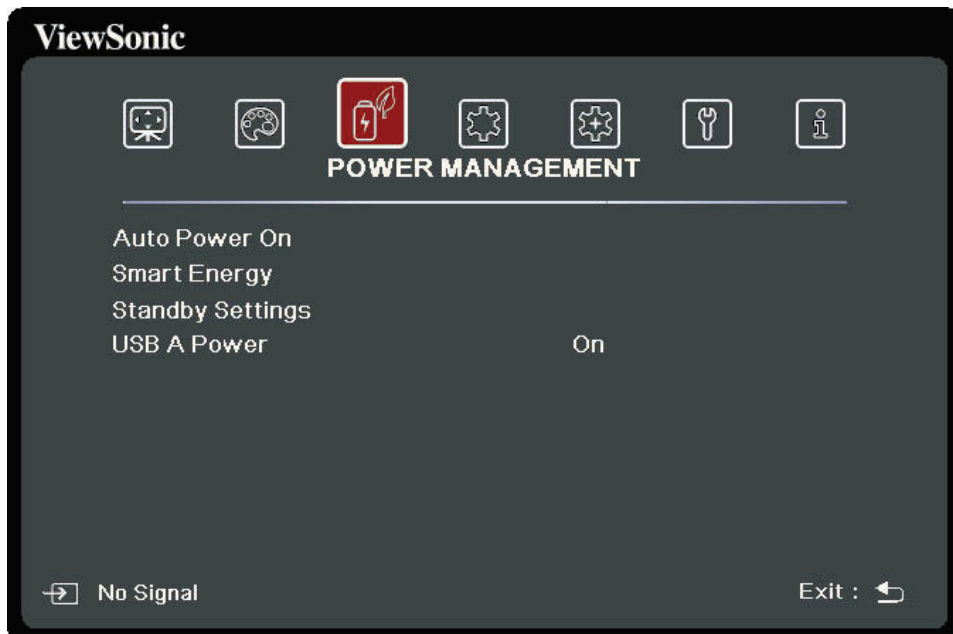
NOTE: Some sub-menu options may have another sub-menu. To enter the respective sub-menu, press **ENTER/OK**. Use / or / to adjust/select the setting.

Menu Option	Description
Color Mode	<p><u>Brightest</u> Maximizes the brightness of the projected image. This mode is suitable for environments where extra-high brightness is required, such as using the projector in well lit rooms.</p> <p><u>TV</u> Optimized for viewing sports in well-lit environments.</p> <p><u>Gaming</u> Suitable for playing video games in a bright living room.</p> <p><u>Movie</u> For playing colorful movies, video clips from digital cameras or DVs through the PC input for best viewing in a blackened (little light) environment.</p> <p><u>User 1/User 2</u> Recalls the customized settings. After User 1/User 2 is selected, some of the sub-menus under the IMAGE menu can be adjusted, according to your selected input source.</p>
Brightness	<p>The higher the value, the brighter the image. Adjust this option so the black areas of the image appear just as black and details in the dark area are more visible.</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;">    </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">-30</div> <div style="text-align: center;">50</div> <div style="text-align: center;">+80</div> </div>
Contrast	<p>Use this to set the peak white level after you have previously adjusted the Brightness setting.</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;">    </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">-30</div> <div style="text-align: center;">0</div> <div style="text-align: center;">+40</div> </div>
Color Temp.	<p>There are several preset color temperature settings (<u>9300K</u>, <u>7500K</u>, <u>6500K</u>) available. The available settings may vary according to the personal preferences.</p> <p>To set a custom color temperature, you can further adjust the following items:</p> <p><u>Red Gain/Green Gain/Blue Gain</u> Adjusts the Contrast levels of Red, Green, and Blue.</p> <p><u>Red Offset/Green Offset/Blue Offset</u> Adjusts the Brightness levels of Red, Green, and Blue.</p>

Menu Option	Description
Advanced	<p><u>Color</u> A lower setting produces less saturated colors. If the setting is too high, colors will be overpowering and may appear unrealistic.</p> <p><u>Sharpness</u> A higher value will sharpen the image, while a lower value will soften the image.</p> <p><u>Gamma</u> Gamma refers to the brightness level of the projector's grayscale levels.</p> <p><u>Color Management</u> Only in permanent installations with controlled lighting levels such as boardrooms, lecture theaters, or home theaters, should color management be considered. Color management provides fine color control adjustment to allow for more accurate color reproduction. Select Primary Color first and adjust its range/values in Hue, Saturation and Gain.</p>
Reset Color Settings	Returns current image settings to the factory preset values.

POWER MANAGEMENT Menu

1. Press the **MENU** or ⚙️ button to display the On-Screen Display (OSD) Menu.
2. Press ◀️/▶️ to select the **POWER MANAGEMENT** menu. Then press **ENTER/OK** or use ▲/▼ to access the **POWER MANAGEMENT** menu.








3. Press ▲/▼ to select the menu option. Then press **ENTER/OK** to display its sub-menu, or press ◀️/▶️ to adjust/select the setting.

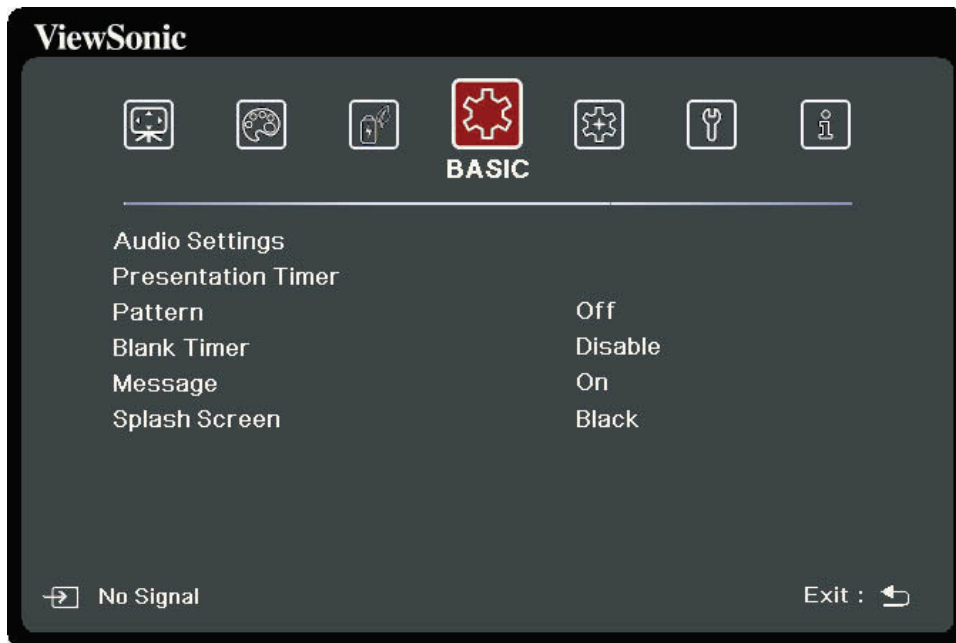
NOTE: Some sub-menu options may have another sub-menu. To enter the respective sub-menu, press **ENTER/OK**. Use ▲/▼ or ◀️/▶️ to adjust/select the setting.





Menu Option	Description
Auto Power On	<p><u>Signal</u> Selecting HDMI allows the projector to turn on automatically once the HDMI/USB C signal is fed through the HDMI/USB C cable.</p> <p><u>CEC</u> This projector supports CEC (Consumer Electronics Control) function for synchronized power on/off operation via HDMI connection. That is, if a device that also supports CEC function is connected to the HDMI input of the projector, when the projector's power is turned off, the power of the connected device will also be turned off automatically. When the power of the connected device is turned on, the projector's power will be turned on automatically.</p> <p>NOTE:</p> <ul style="list-style-type: none"> • 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. <p><u>Direct Power On</u> Allows the projector to turn on automatically once power is fed through the power cord.</p>
Smart Energy	<p><u>Auto Power Off</u> Allows the projector to turn off automatically after a set period of time once no input source is detected to prevent unnecessary waste of light source life.</p> <p><u>Sleep Timer</u> Allows the projector to turn off automatically after a set period of time to prevent unnecessary waste of light source life.</p> <p><u>Power Saving</u> Lowers power consumption if no input source is detected. When Enable is selected, the projector light source mode will change to Eco mode after no signal is detected for five (5) minutes. This will also help prevent any unnecessary waste of light source life.</p>





Menu Option	Description
Standby Settings	<p>The functions below are available in standby mode (plugged in, but not turned on).</p> <p><u>Audio Pass Through</u></p> <p>When selecting On, the projector outputs an audio signal when the Audio In and Audio Out sockets are correctly connected to a proper device.</p>

BASIC Menu

1. Press the **MENU** or  button to display the On-Screen Display (OSD) Menu.
2. Press / to select the **BASIC** menu. Then press **ENTER/OK** or use / to access the **BASIC** menu.








3. Press / to select the menu option. Then press **ENTER/OK** to display its sub-menu, or press / to adjust/select the setting.

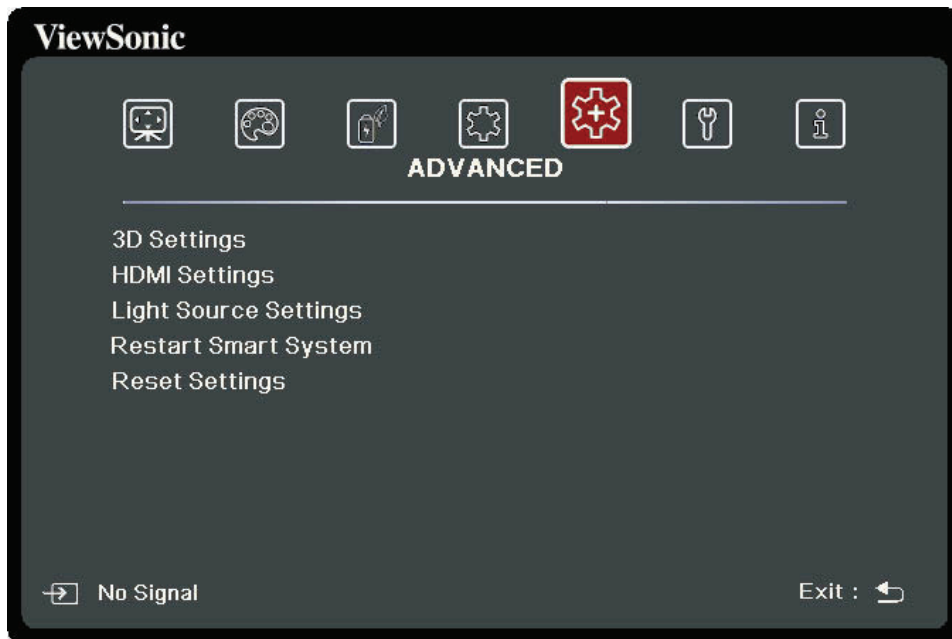
NOTE: Some sub-menu options may have another sub-menu. To enter the respective sub-menu, press **ENTER/OK**. Use / or / to adjust/select the setting.





Menu Option	Description
Audio Settings	<p><u>Audio Mode</u> Select a preferred audio mode to suit your audio content.</p> <p><u>Mute</u> Select On to temporarily turn off the projector's internal speaker or the volume being output from the audio output jack.</p> <p><u>Audio Volume</u> Adjusts the volume level of the projector's internal speaker or the volume being output from the audio output jack.</p> <p><u>Power On/Off Ring Tone</u> Turns on/off the ring tone during the starting up and shutting down process.</p>
Presentation Timer	<p>Presentation timer can indicate the presentation time on the screen to help you achieve better time management when giving presentations.</p> <p><u>Timer Period</u> Sets the time period. If the timer is already on, the timer will restart whenever the Timer Period is reset.</p> <p><u>Timer Display</u> Allows you to decide if you want the timer to show up on the screen for one of the following time periods:</p> <ul style="list-style-type: none"> » Always: Displays the timer on screen throughout the presentation time. » 1 min/2 min/3 min: Displays the timer on screen in the last 1/2/3 minute(s). » Never: Hides the timer throughout the presentation time. <p><u>Timer Position</u> Sets the timer position.</p> <p><u>Timer Counting Direction</u> Sets your desired counting direction between:</p> <ul style="list-style-type: none"> » Count Down: Decreases from the preset time to 0. » Count Up: Increases from 0 to the preset time. <p><u>Sound Reminder</u> Allows you to decide if you want to activate a sound reminder. Once enabled, a double beep sound will be heard at the last 30 seconds of counting down/up, and a triple beep sound will be produced when the timer is up.</p> <p><u>Start Counting/Off</u> Select Start Counting to activate the timer. Select Off to cancel it.</p>




Menu Option	Description
Pattern	Helps adjust the image size and focus, and checks for distortion in the projected image.
Blank Timer	<p>Allows the projector to return the image automatically after a period of time when there is no action taken on the blank screen. To display the blank screen, press Blank on the projector or remote control.</p> <p>NOTE: Do not block the projection lens as this could cause the blocking object to become heated and deformed or even cause a fire.</p>
Message	Sets reminder messages On or Off.
Splash Screen	Selects which logo screen will appear during projector start-up.

ADVANCED Menu

1. Press the **MENU** or  button to display the On-Screen Display (OSD) Menu.
2. Press / to select the **ADVANCED** menu. Then press **ENTER/OK** or use / to access the **ADVANCED** menu.



3. Press / to select the menu option. Then press **ENTER/OK** to display its sub-menu, or press / to adjust/select the setting.






NOTE: Some sub-menu options may have another sub-menu. To enter the respective sub-menu, press **ENTER/OK**. Use / or / to adjust/select the setting.

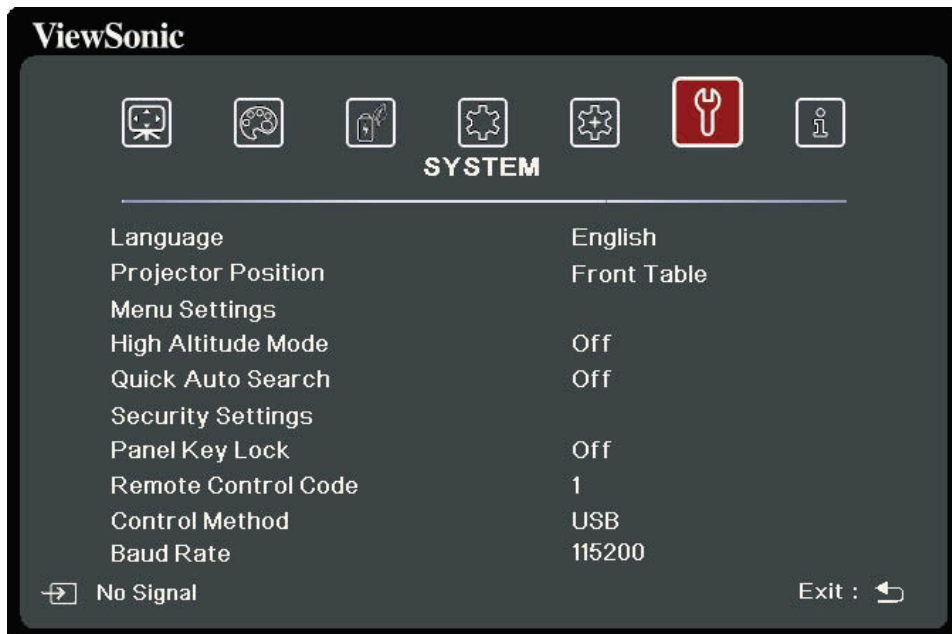
Menu Option	Description
HDR	<p><u>HDR</u> The projector supports HDR imaging sources. It can automatically detect the dynamic range of the source, and optimize image gamma and color settings to reproduce contents under wide range of light conditions. You also select SDR.</p> <p><u>EOTF</u> The projector can automatically adjust the brightness levels of your image according to the input source. Normally, the default setting “Mid” is recommended. If the brightness of the projected image is dark, please use “Low”. When giving priority to gradation property, please use “High”.</p>
3D Settings	<p>This projector features a 3D function which enables you to enjoy 3D movies, videos, and sporting events in a more realistic way by presenting the depth of the images. You need to wear a pair of 3D glasses to view 3D images.</p> <p><u>3D Format</u> The default setting is Auto and the projector automatically chooses an appropriate 3D format when detecting 3D contents. If the projector cannot recognize the 3D format, choose a 3D mode.</p> <p><u>3D Sync Invert</u> When you discover the inversion of the image depth, enable this function to correct the problem.</p> <p><u>Save 3D Settings</u> Saves current 3D settings. 3D settings will automatically be applied if the same resolution and input source are selected.</p> <p>NOTE: When the 3D Sync function is on:</p> <ul style="list-style-type: none"> • The brightness level of the projected image will decrease. • The Color Mode, Light Source Mode, Zoom, and OverScan cannot be adjusted.





Menu Option	Description
HDMI Settings	<p><u>HDMI Format</u> Select a suitable color space according to the color space setting of the output device connected.</p> <ul style="list-style-type: none"> » Auto: Sets the projector to detect the color space setting of the input signal automatically. » RGB: Sets the color space as RGB. » YUV: Sets the color space as YUV. <p><u>HDMI Range</u> Select a suitable HDMI color range according to the color range setting of the output device connected.</p> <ul style="list-style-type: none"> » Auto: Sets the projector to detect the HDMI range of the input signal automatically. » Enhanced: Sets the HDMI color range as 0 - 255. » Normal: Sets the HDMI color range as 16 - 235.
Light Source Settings	<p><u>Light Source Mode</u></p> <ul style="list-style-type: none"> » Normal: Provides full light source brightness. » Eco: Reduces light source power consumption by 20% and lowers brightness to extend the light source life and decreases the fan noise. » Dynamic Black 1: Reduces light source power consumption by up to 70% depending on the content brightness level. » Dynamic Black 2: Reduces light source power consumption by up to 50% depending on the content brightness level. » Custom: Allows you to adjust the light source power. <p><u>Light Source Power</u> Only available when Light Source Mode is Custom.</p> <p><u>Reset Light Source Hours</u> Resets the light source timer after a new light source is installed. For changing the light source, please contact qualified service personnel.</p> <p><u>Light Source Hours Information</u></p> <ul style="list-style-type: none"> » Light Source Usage Time: Displays the number of hours the light source has been used.
Restart Smart System	Restarts the Smart System immediately after selecting Reset.



Menu Option	Description
Reset Settings	Returns all settings to the factory preset values. When using Reset Settings, the following settings will still remain: Zoom, Keystone, Language, Projector Position, High Altitude Mode, Security Settings, Control Method, and Baud Rate.

SYSTEM Menu

1. Press the **MENU** or  button to display the On-Screen Display (OSD) Menu.
2. Press / to select the **SYSTEM** menu. Then press **ENTER/OK** or use / to access the **SYSTEM** menu.






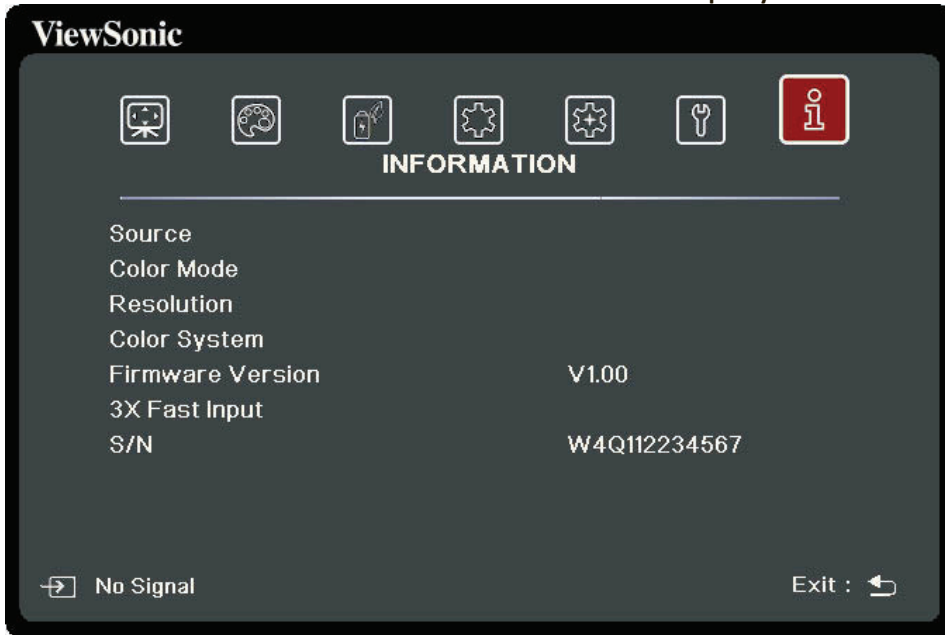
3. Press / to select the menu option. Then press **ENTER/OK** to display its sub-menu, or press / to adjust/select the setting.

NOTE: Some sub-menu options may have another sub-menu. To enter the respective sub-menu, press **ENTER/OK**. Use / or / to adjust/select the setting.

Menu Option	Description
Language	Sets the language for the On-Screen Display (OSD) Menu.
Projector Position	Selects a proper position for the projector.
Menu Settings	<p><u>Menu Display Time</u> Sets the length of time the OSD Menu will remain active after your last interaction.</p> <p><u>Menu Position</u> Sets the OSD Menu's position.</p>
High Altitude Mode	<p>We recommend you use the High Altitude Mode when your environment is between 1,500 m to 3,000 m above sea level, and ambient temperature is between 0°C–30°C.</p> <p>NOTE:</p> <ul style="list-style-type: none"> • Do not use High Altitude Mode if your environment is between 0 to 1,499 m, and the temperature is between 0°C to 35°C. If used, the projector will become over cooled. • Using “High Altitude Mode” may cause more operating noise, as the fan speed will be increased to improve cooling and performance.
Quick Auto Search	Allows the projector to automatically search for the signals.
Security Settings	See “Using the Password Function” on page 17.
Panel Key Lock	Locks the control keys on the projector.
Control Method	Allows you to select a preferred control port: through the RS-232 port or the USB port (Service).
Baud Rate	Selects a baud rate that is identical with your computer's so that you can connect the projector using a suitable RS-232 cable and control the projector with RS-232 commands

INFORMATION Menu

1. Press the **MENU** or  button to display the On-Screen Display (OSD) Menu.
2. Press  /  to select the **INFORMATION** menu and display its contents.




Menu Option	Description
Source	Shows the current input source.
Color Mode	Shows the selected mode in the IMAGE menu.
Resolution	Shows the native resolution of the input source.
Color System	Shows input system format.
Firmware Version	Shows the current firmware version.
3X Fast Input	Shows whether the function is activated or not.
S/N	Shows the serial number for this projector.

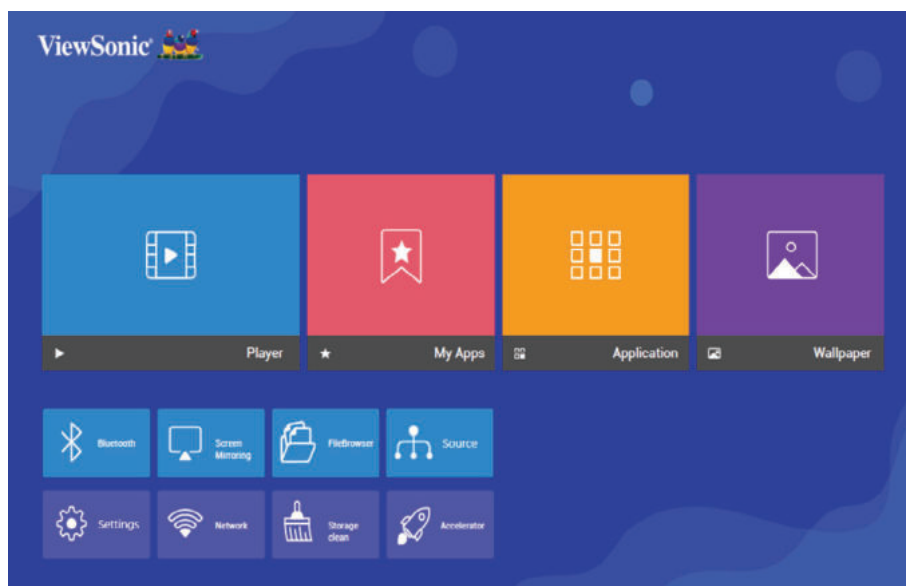
> Smart System










This section will introduce the **SMART SYSTEM**.



Home Screen

NOTE: The screenshots in this manual are for reference only and may differ from the actual design. Some of the following settings may not be available. Please refer to the actual design of your projector.

The Home Screen is displayed when the input source is **SMART SYSTEM**. To navigate the Home Screen, simply use the directional buttons. You can return to the main Home Screen at any time by pressing  on the remote control, regardless of what page you are on.



1. Press / to select a main menu. Then press **ENTER/OK** or use press  to access the sub-menu list.
2. Press /// to select the menu option. Then press **ENTER/OK** to display its sub-menu, or press / to adjust/select the setting.

NOTE: Some sub-menu options may have another sub-menu. To enter the respective sub-menu, press **ENTER/OK**. Use / or / to adjust/select the setting.

Menu Operations

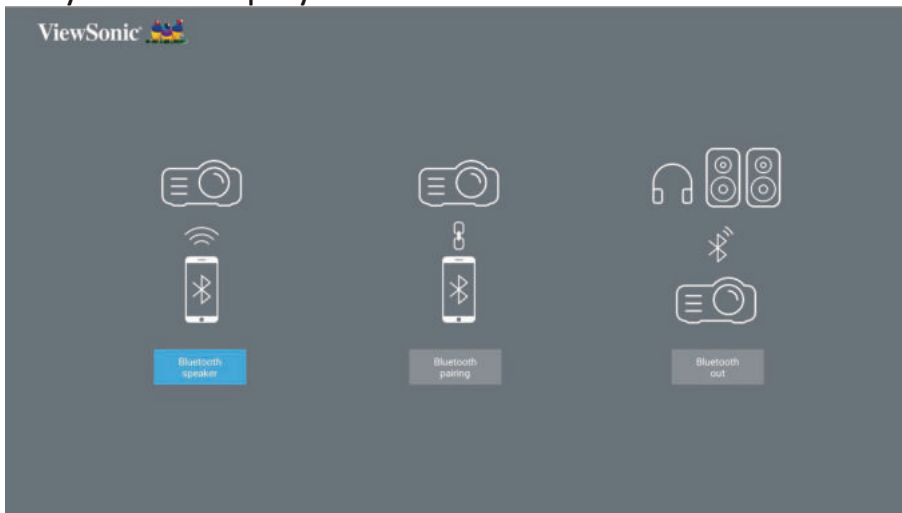
Player

The projector automatically scans the video files in the external storage device. When you click **Player**, the scanned video can be played in a loop.

Some functions are available when **Player** is highlighted. Press ▼ and then use ◀/▶ to select.

- **Bluetooth**

The projector is equipped with Bluetooth that allows the user to connect their device wirelessly for audio playback.



To connect and pair your device:

1. Go to: **Home Screen > Bluetooth.**
2. Use the ◀/▶ to select **Bluetooth Speaker** or **Bluetooth Pairing**. Then press **ENTER/OK.**
3. A dialogue box appears, select **Connect** and press **ENTER/OK** to enter Bluetooth mode.
4. A sound effect will be audible upon entering pairing mode.
5. Upon successful connection, another sound effect will be audible.

NOTE: The projector's name will be labeled as "ViewSonic Projector". Once paired, if both the projector and your device are powered on they will automatically connect via Bluetooth in **Bluetooth Speaker** mode. When connected please note that only the ⏻ Power, **Exit** and the ↶ buttons can exit Bluetooth mode.

6. The projector will search for nearby Bluetooth devices. Select your device from the list and press **ENTER/OK.**

You can also connect the projector to external headphones or speakers that support Bluetooth:

1. Go to: **Home Screen > Bluetooth.**

2. Use the ◀/▶ to select **Bluetooth Out.** Then press **ENTER/OK.**



NOTE: Once paired, if both the projector and your device are powered on they will automatically connect via Bluetooth.

- Screen Mirroring

Screen Mirroring provides a 5GHz Wi-Fi connection for users to mirror the screen on their personal device.



NOTE: Ensure your device is connected to the same network as the projector.

For iOS:

1. Access the drop down control menu.
2. Select the “Screen Mirroring” icon.
3. Choose “ViewSonic PJ-XXXX”.

For Android:

1. Download and install the “Google Home” application and open it.
2. Pull-to-refresh the app and wait for 30 seconds.
3. “ViewSonic PJ-XXXX” will now be visible, select it.

NOTE: Some Android devices support direct “Casting”. If your device does, go to the Casting feature and choose “ViewSonic PJ-XXX” from the list of available devices. You can also scan the FAQ QR code and follow the steps to directly cast your Android device.

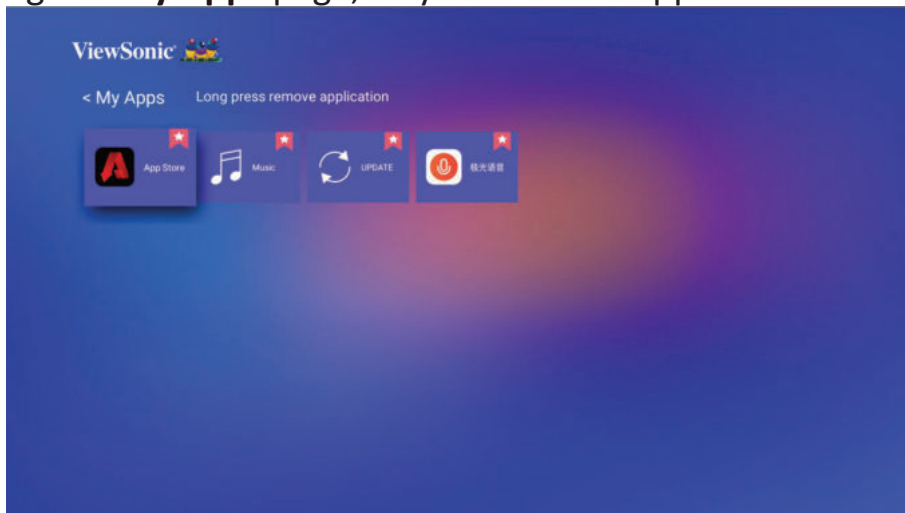
- FileBrowser
You can browse your files here.
- Source
Displays the input source selection bar. You can switch the input source .

My Apps

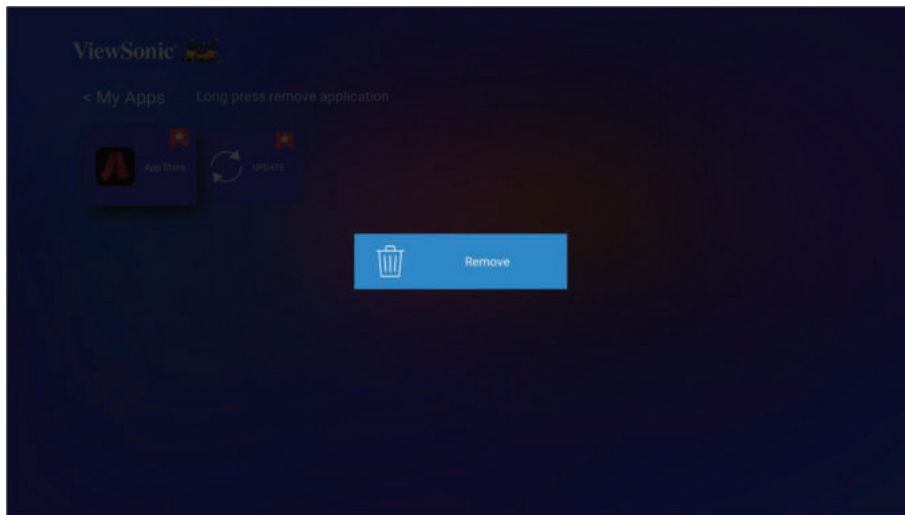
Displays your favorite Apps.

To remove an application from **My Apps** page:

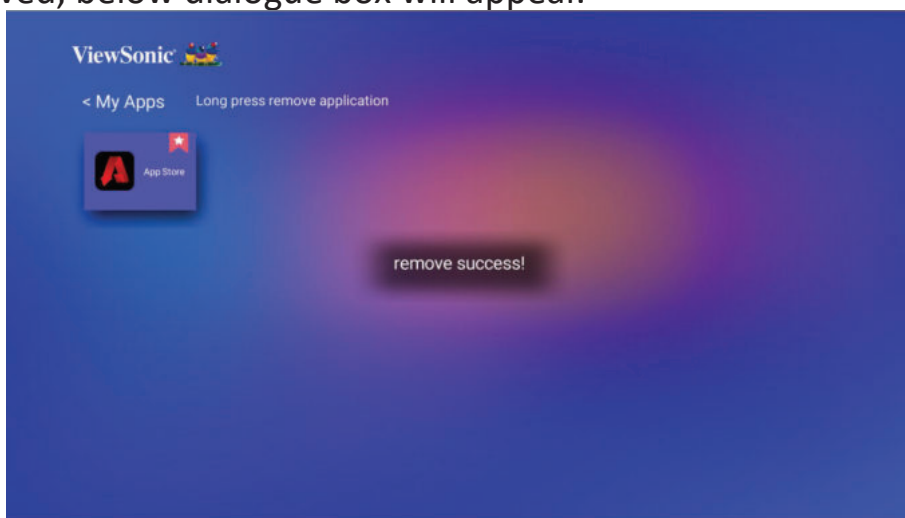
1. After entering the **My Apps** page, all your favorite applications are displayed.



2. Long press on the selected APP to remove it.



3. Once removed, below dialogue box will appear.

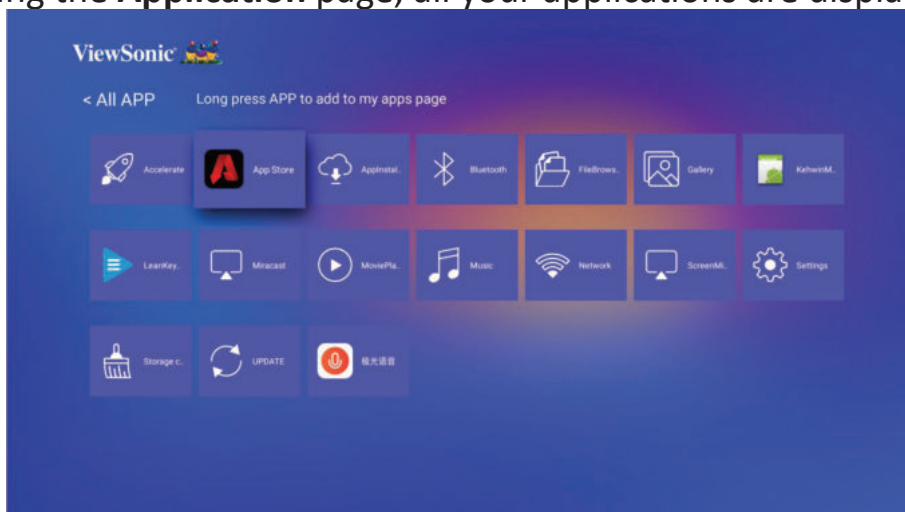


Application

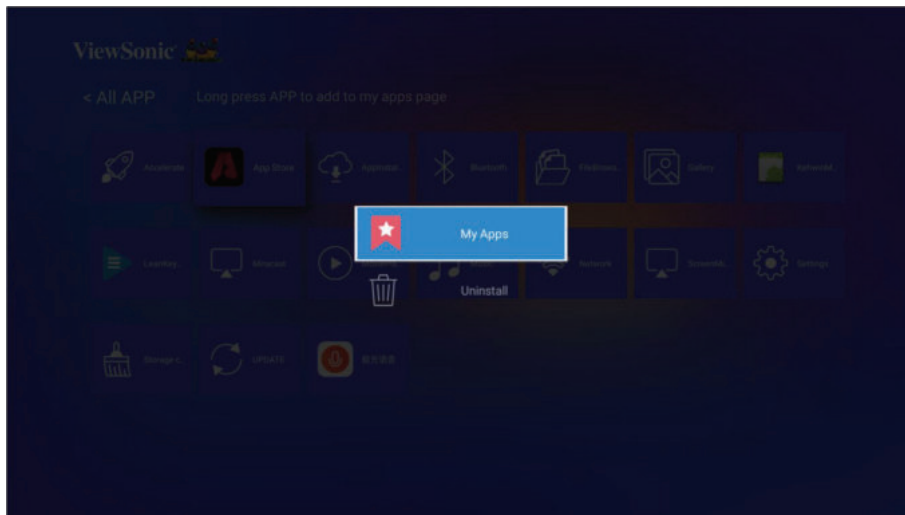
Access and view all the applications you have installed.

To add an application to **My Apps** page or uninstall it:

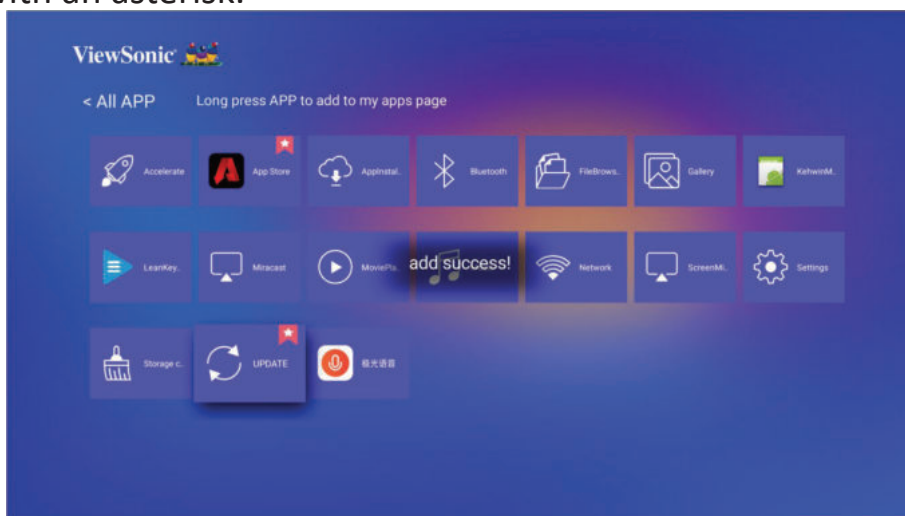
1. After entering the **Application** page, all your applications are displayed.



2. Long press on the selected APP to add to **My Apps** page or uninstalled it.



3. Once succeeded, below dialogue box will appear and the application will be displayed with an asterisk.



Applications that have been added to **My Apps** page will be displayed under **My Apps** page from the homepage.

To install an application:

1. Go to **Application > App Store** from homepage.
2. Use the directional buttons to navigate the menu options. When you find your preferred application, press **OK** to enter the details and select the **INSTALL** button to install it.
3. A progress bar will display while downloading.
4. After the application is installed, you can open, upgrade or uninstall the application.

NOTE:

- You can install third-party applications by .apk file in File Management. However, some third-party applications may have compatibility issues.
- Applications not preloaded may not be compatible or work properly.
- Some of the applications (including preloaded and manually installed applications)














- may require a keyboard or mouse to use.
- Some applicaitons may be region-specific.

Wallpaper

Use ◀/▶ to select a wallpaper and press **ENTER/OK** to set it as the wallpaper on the Home Screen.

Media control bar buttons

The media control bar buttons will appear on screen if a video or music file is played.

Video		Music	
	Back		Previous
	Rewind		Play
	Play		Pause
	Pause		Next
	Fast forward		
	Next		
	Previous		
	3D		
	More		

NOTE: When using a USB storage device, note the following:

- » Some USB storage devices may not be compatible.
- » If you are suing a USB extension cable, the USB device may not be recongnized.
- » You may experience longer loading time when handling larger files.
- » Data on the USB storage device may be damaged or lost. Back up important files beforehand.

Supported file formats

Multimedia formats

Extension	Type	Codec
.xvid	Video	Xvid, H.264
.avi	Audio	MP3
.mp4 .m4v .mov	Video	H.264/MPEG-4

Extension	Type	Codec
.mkv	Video	H.264
.ts .trp .tp .mts .m2ts	Video	H.264, MPEG-2
	Audio	MP3
.vob	Audio	MPEG-1, MPEG-2
	Video	DVD-LPCM
.mpg	Audio	MPEG-1

Office formats

	Items	Indicators
Document viewing function	doc/docx	Able to open and read documents in doc/docx
	xls/xlsx	Able to open and read documents in xls/xlsx
	ppt/pptx	Able to open and read documents in ppt/pptx
	PDF	Able to open and read documents in PDF

Photo formats

Format	Type	Comment
.jpg/.jpeg	Progressive JPEG	Max. resolution: 1024 x 768
	Baseline JPEG	Max. resolution: 15360 x 8640
.bmp		Max. resolution: 9600 x 6400
.png/.gif		Max. resolution: 5120 x 2880

Supported external connected device formats

Device	NTFS format		FAT32 format		exFAT	
	Read	Write	Read	Write	Read	Write
USB memory stick	✓	✓	✓	✓	✓	✓
USB HDD	-	-	✓	✓	-	-

NOTE:

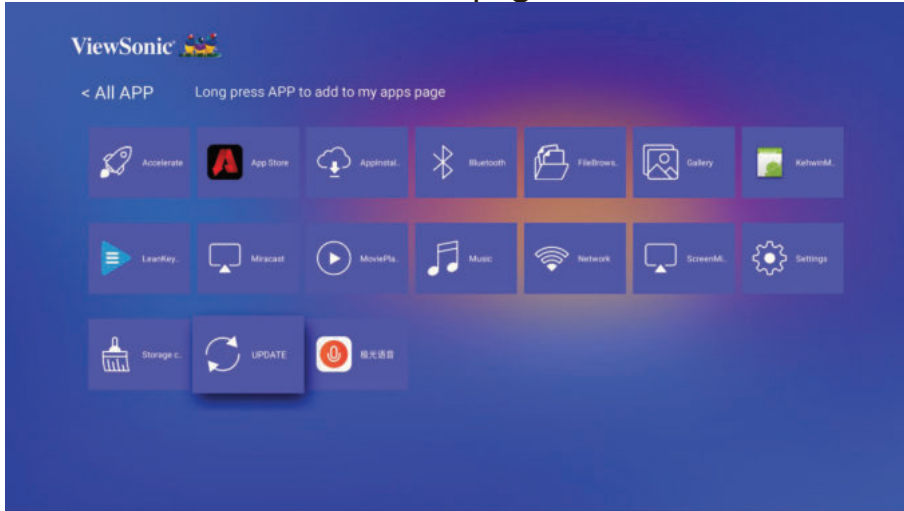
- Windows 10 built-in format tool only supports FAT32 format up to 32GB.
- Only FAT32 format is supported for firmware upgrade.

Firmware upgrade

You can update the firmware online, or by USB device and check the version number.

NOTE: Do not unplug the power cord, USB device or disconnect from the Internet during the upgrade process.

1. Make sure that the projector is connected to the Internet.
2. Go to **Application > UPDATE** from homepage.



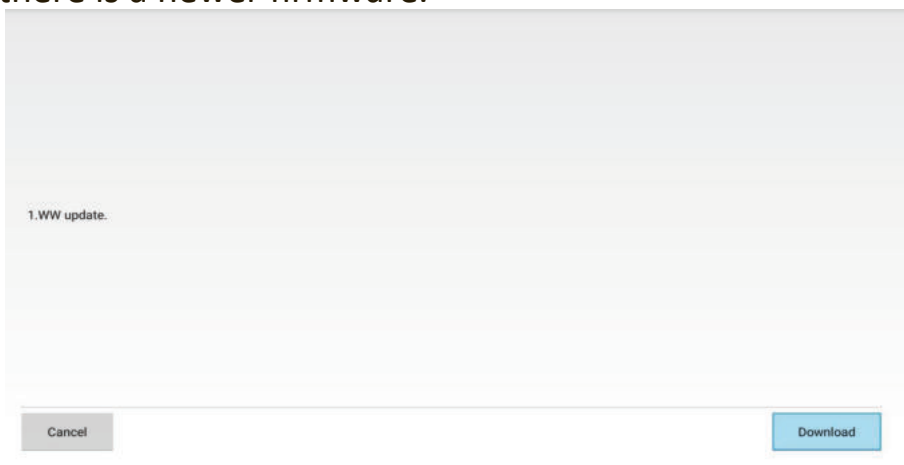
Firmware update online

1. Go to **Application > UPDATE > Online update**.

NOTE: Auto download is enabled by default for online upgrade. When enabled, if the system detects a newer version, it will automatically download the software in the background.



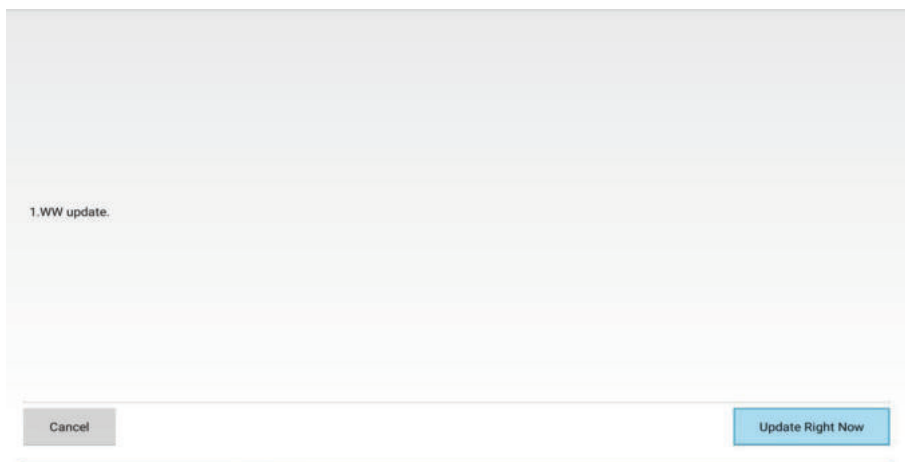
2. Select **Online update** and press **ENTER/OK**.
3. The system will check the ViewSonic website (OTA) and display below dialog message if there is a newer firmware.



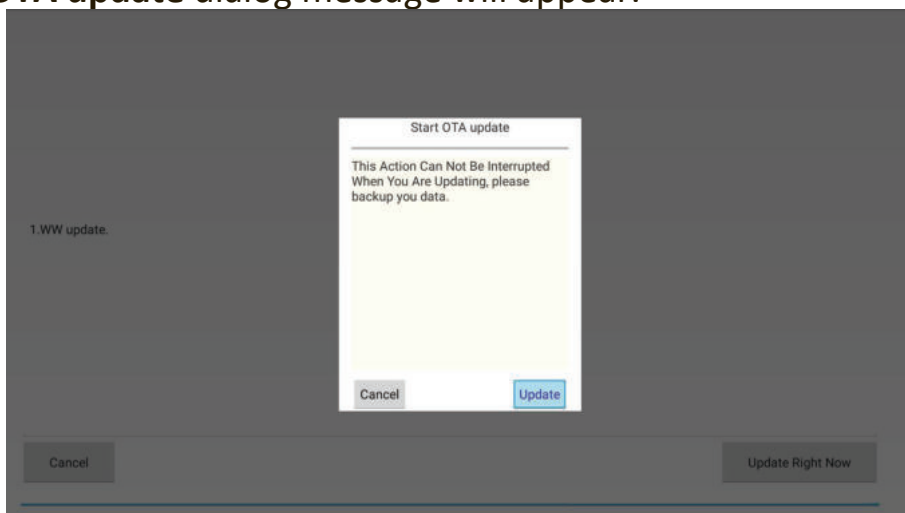
4. After selecting **Download**, a progress bar will appear as the download process begins.



5. Upon reaching 100%, the following message will appear. Select **Update Right Now**.



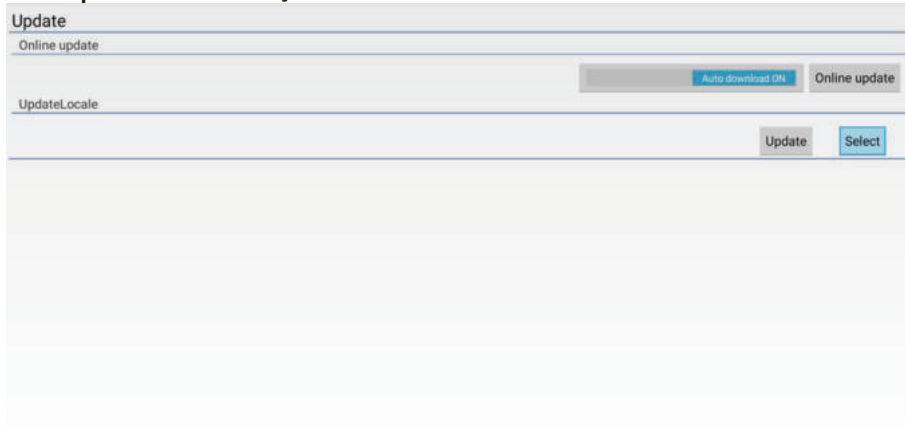
6. The **Strat OTA update** dialog message will appear.



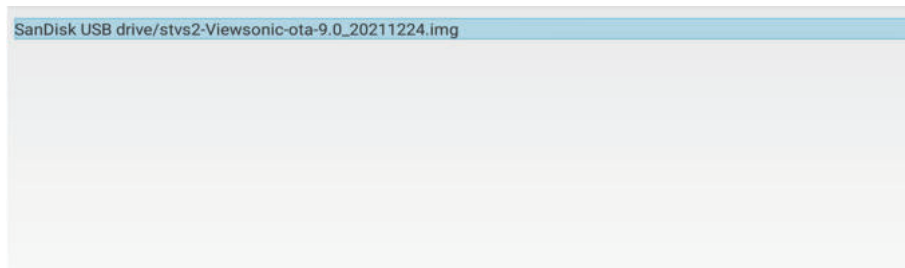
7. Select **Update** and the projector will restart the screen will turn black for a few minutes. The update process takes about 5 to 10 minutes. When finished, it will take a few minutes to restart the projector.

Firmware update via a USB device

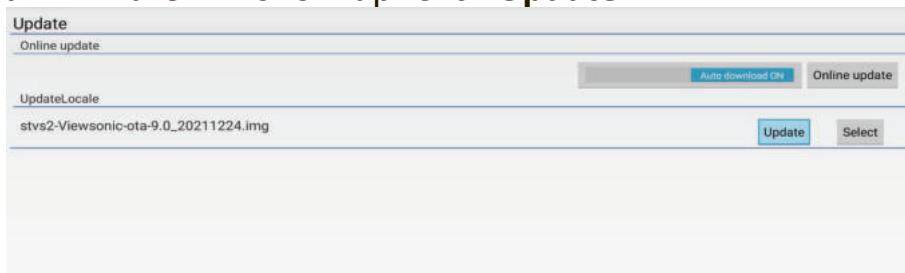
1. Download the latest firmware version form the ViewSonic website and copy the file to a USB device.
2. Plug the USB device into the projector.
3. Go to **Application > UPDATE > UpdateLocale**.
4. Click Select and press **ENTER/OK**.



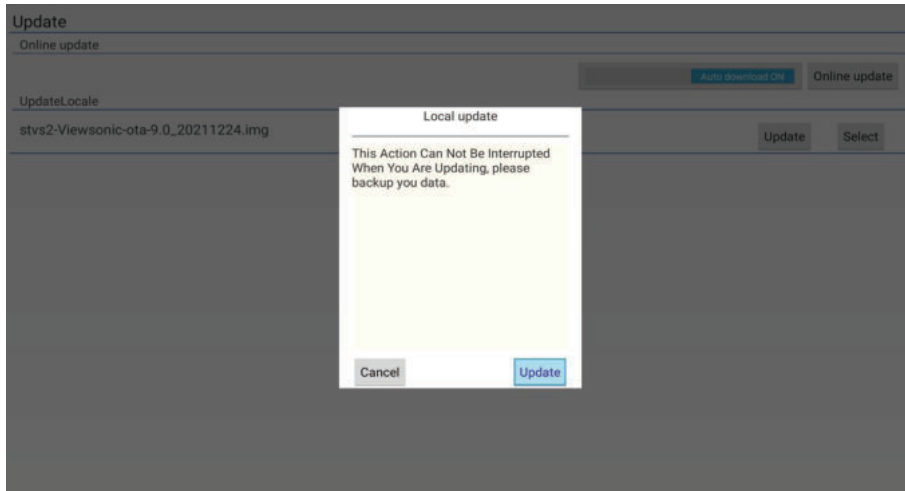
5. The system will detect the firmware and display the following information. Select the firmware file.



6. The selected firmware will show up. Click **Update**.



7. The **Local update** dialog message is displayed, select **Update**.



8. Select **Update** and the projector will restart the screen will turn black for a few minutes. The update process takes about 5 to 10 minutes. When finished, it will take a few minutes to restart the projector.

System related settings

More settings are available on the bottom list of the Home Screen.

Settings

NOTE: Some functions may not be supported. The settings will be grayed out and cannot be operated.

Menu Option		Description
Network & internet	Wi-Fi	Sets the Wifi settings and AP hotspot.
	Portable hotspot	
	VPN	
	Private DNS	
Apps & notifications		You can browse the Apps, set App permissions and notifications.
Storage	Device storage	You can check the storage status here.
Security & location	Device admin apps	

Menu Option			Description
System	About device	IP address	Displays the IP address of the projector.
		Wi-Fi MAC address	Displays the Wi-Fi MAC address.
		Bluetooth address	Displays the Bluetooth address.
		Build number	Displays the version number of the system.
	Languages & input	Languages	You can set the language and input method here.
		Virtual keyboard	
		Physical keyboard	
	Date & time	Automatic date&time	The projector automatically synchronize with an internet time server.
		Set Date	Available when Autmatic date&time is disabled. You can set the date/time/ time zone.
		Set Time	
		Set time zone	
		Automatic 24-hour format	Shows the time in the 24-hour format
		Use 24-hour format	Available when Autmatic 24-hour format is disabled. When disabled, the projector shows the time in the 12-hour format.
	Reset options	Reset Wi-Fi mobile & Buletooth	You can reset the network settings, App preferences or erase all data here.
		Reset app preferences	
		Erase all data (factory reset)	
Update	Online update	Ensure that the projector is connected to the Internet.	
	UpdateLocale	Download new firmware file in the USB device and connect it to the USB A port.	

Network

Directly goes to the **Wi-Fi** page in the **Settings**.

Storage cleaner

Click this item to delete the log and apk files in the local storage and release the local storage space.

Accelerator

Click this item to terminate the processes that are not system's. This operation can be performed when there are many APPs running in the back ground and the system response speed is slow.

> Appendix

Specifications

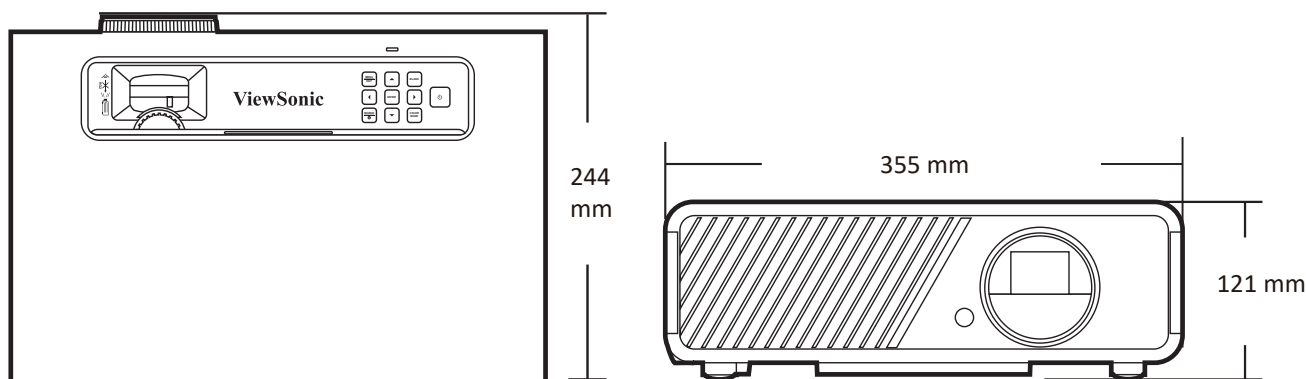
Item	Category	Specifications	
		X1	X2
Projector	Type	0.65" LED	
	Display Size	30"~300"	
	Throw Ratio	1.15~1.5 (95"±3%@2.43m)	0.69~0.83 (95"±3%@1.44m)
	Lens	F = 2.59 – 2.87	F = 2.60 – 2.78
	Optical Zoom	1.3x	1.2x
	Light Source Type	RGB LED	
	Display System	1-CHIP DMD	
Input signal	HDMI	f _h : 15K~129KHz, f _v :23~120Hz, Pixel rate: 170MHz	
Resolution	Native	1920 x 1080	
Power adapter ¹	Input Voltage	AC 100-240V, 50/60 Hz (auto switch)	
Operating conditions	Temperature	0°C to 40°C (32°F to 104°F)	
	Humidity	0% to 90% (non-condensing)	
	Altitude	0 to 1,499 m at 0°C to 35°C 1,500 to 3,000 m at 0°C to 30°C	
Storage conditions	Temperature	-20°C to 60°C (non-condensing)	
	Humidity	0% to 90% (non-condensing)	
	Altitude	0 to 12,200 m at 30°C	
Dimensions	Physical (W x H x D)	355 x 121 x 244 mm (14" x 4.8" x 9.6")	355 x 121 x 251 mm (14" x 4.8" x 9.9")
Weight	Physical	3.6 kg (7.94 lb)	
Power consumption	On ²	218 W (Typical)	
	Off	< 0.5W (Standby)	

¹ Please use the power adapter from ViewSonic® or an authorized source only.

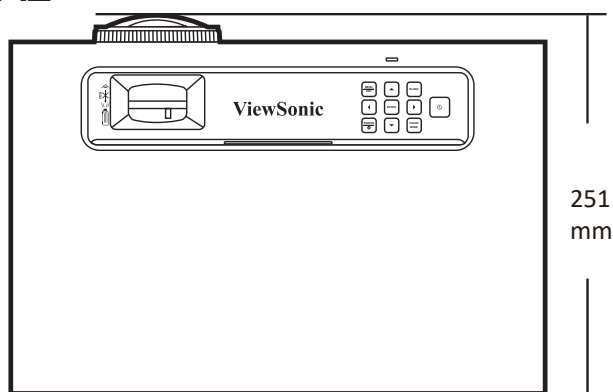
² The test condition follows EEI standards.

Projector Dimensions

X1



X2



Timing Chart

HDMI / USB-C			
Signal	Resolution (dots)	Aspect ratio	Refresh rate (Hz)
VGA	640 x 480	04:03	60/70/75/85/120
SVGA	800 x 600	04:03	60/70/75/85/120
XGA	1024 x 768	04:03	60/70/75/85/120
	1152 x 864	04:03	75
WXGA	1280 x 768	15:09	60
	1280 x 800	16:10	60/75/85
	1360 x 768	16:09	60
	1366 x 768	16:09	60
Quad-VGA	1280 x 960	04:03	60/85
SXGA	1280 x 1024	05:04	60/75/85
SXGA+	1400 x 1050	04:03	60
WXGA+	1440 x 900	16:10	60
WSXGA+	1680 x 1050	16:10	60

HDMI / USB-C			
Signal	Resolution (dots)	Aspect ratio	Refresh rate (Hz)
UXGA	1600 x 1200	04:03	60
WUXGA	1920 x 1200	16:10	60
MAC 13"	640 x 480	04:03	67
MAC 16"	832 x 624	04:03	75
MAC 19"	1024 x 768	04:03	75
MAC 21"	1152 x 870	04:03	75
HDTV (1080p)	1920 x 1080	16:09	50 / 60
HDTV (1080i)	1920 x 1080	16:09	50 / 60
HDTV (720p)	1280 x 720	16:09	50 / 60
SDTV (480p)	720 x 480	4:3 / 16:9	60
SDTV (576p)	720 x 576	4:3 / 16:9	50
SDTV (480i)	720 x 480	4:3 / 16:9	60
SDTV (576i)	720 x 576	4:3 / 16:9	50
4k/24P	3840 x 2160	16:09	24
4k/25P	3840 x 2160	16:09	25
4k/30P	3840 x 2160	16:09	30
4k/50P	3840 x 2160	16:09	50
4k/60P	3840 x 2160	16:09	60

HDMI 3D			
Signal	Resolution (dots)	Aspect ratio	Refresh rate (Hz)
In Frame Packing format			
1080p	1920 x 1080	16:09	23.98/24
720p	1280 x 720	16:09	50/59.94/60
In Side-by-Side format			
1080i	1920 x 1080	16:09	50/59.94/60
In Top-Bottom format			
1080p	1920 x 1080	16:09	23.98/24
720p	1280 x 720	16:09	50/59.94/60

3D (HDMI signal included)			
Signal	Resolution (dots)	Aspect ratio	Refresh rate (Hz)
Signal	Resolution (dots)	Aspect Ratio	Refresh Rate (Hz)
SVGA	800 x 600	04:03	60* / 120**
XGA	1024 x 768	04:03	60* / 120**

3D (HDMI signal included)			
Signal	Resolution (dots)	Aspect ratio	Refresh rate (Hz)
HD	1280 x 720	16:09	60* / 120**
WXGA	1280 x 800	16:09	60* / 120**
HDTV (1080p)	1920 x 1080	16:09	60
for Video Signal			
SDTV (480i)***	720 x 480	4:3 / 16:9	60
<p>NOTE: *60Hz signals are supported for Side-by-Side, Top-Bottom, and Frame Sequential formats.</p> <p>**120 Hz signals are supported for Frame Sequential format only.</p> <p>***Video signal (SDTV 480i) is supported for Frame Sequential format only.</p>			

Troubleshooting

Common Problems

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

Problem	Possible Solutions
The projector does not turn on	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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 key on either the projector or the remote control.
The image is blurred	<ul style="list-style-type: none">• Adjusting 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 remote control does not work	<ul style="list-style-type: none">• Ensure there are no obstacles between the remote control and projector; and that they are within 8 m (26 ft) of each other.• The batteries may be out of power, please check and replace if necessary.
The image abnormal	<ul style="list-style-type: none">• Ensure the video source cable is connected properly, and that the video source is turned on.• If the above does not work, check the air intake or exhaust not block.
Bluetooth connection fails	<ul style="list-style-type: none">• Perform Reset Wi-Fi mobile & Bluetooth in the Settings > System > Reset options menu when the input source is SMART SYSTEM.

LED Indicator

Light	Status and Description
Orange	Stand-by mode
Green Flashing	Powering up
Green	Normal operation
Red	Downloading
Orange Flashing	Burn in off
Red Flashing once per second	Fan error
Red Flashing once per 3 seconds	Thermal and temperature error
Green & Red Flashing alternately	Light source error

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.

Light Source Information

This section will provide a better understanding of your projector's light source.

Light Source Hour

When the projector is being used, the duration (in hours) of light source usage is automatically calculated by the built-in timer.

To obtain the light source hour information:

1. Press **Menu** to open the OSD Menu and go to: **Advanced > Light Source Settings > Light Source Hours Information**.
2. Press **Enter** and the **Light Source Hours Information** page will appear.
3. Press **Exit** to leave the menu.

Extending Light Source Life

To prolong light source life, you can adjust the following settings in the OSD Menu.

Setting Light Source Mode

Setting the projector in any mode other than **Normal** reduces system noise, power consumption, and extends the light source's operational life.

Light Source Mode	Description
Normal	Provides full light source brightness.
Eco	Reduces light source power consumption by 20% and lowers brightness, and decreases fan noise.
Dynamic Black 1	Reduces light source power consumption by up to 70% depending on the content's brightness level.
Dynamic Black 2	Reduces light source power consumption by up to 50% depending on the content's brightness level.
Custom	Allows you to adjust the light source power to extend the light source life and decreases the fan noise.

To set the Light Source Mode, open the OSD Menu and go to: **Advanced > Light Source Settings > Light Source Mode** and press ◀/▶ to select and press **Enter**.

Setting Auto Power Off

This allows the projector to turn off automatically after a set period of time once no input source is detected.

Open the OSD Menu and go to: **POWER MANAGEMENT > Smart Energy > Auto Power Off** and press ◀/▶ to disable or adjust the time.