Dell Projector 4350
User's Guide

Notes, Cautions, and Warnings

NOTE: A NOTE indicates important information that helps you make better use of your projector

CAUTION: A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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Model: Dell Projector 4350

November 2015 Rev. A00

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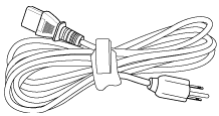
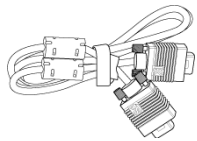
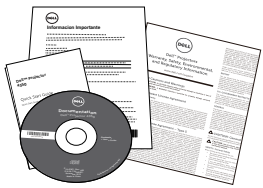
1 About Your Dell Projector

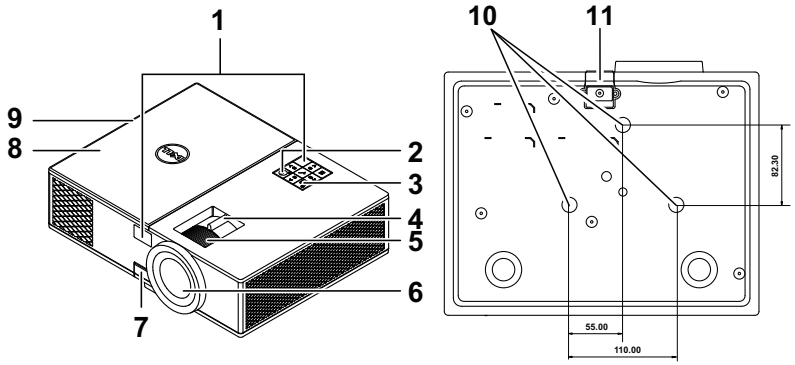
Your projector comes with all the items shown below. Ensure that you have all the items, and contact Dell if anything is missing.

Projector Box Contents

Package Contents	
Power cable	VGA cable (VGA to VGA)
	
Remote control	AAA Batteries (2)
CD, User's Guide, and Documentation	
	

Projector Top and Bottom View

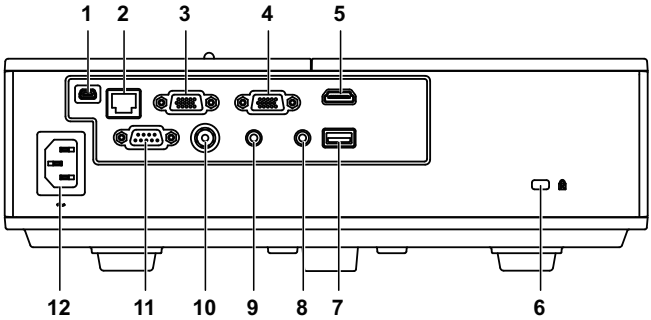
Top View **Bottom View**



1	IR receivers
2	Power button
3	Status indicators
4	Zoom tab
5	Focus ring
6	Lens
7	Elevator button for height adjustments
8	Top cover for wireless display adapter and lamp module access
9	10W speaker
10	Mounting holes for ceiling mount
11	Elevator foot

NOTE: Ceiling mount screw hole M3 x 6.5 mm depth. Recommended torque < 15 kgf-cm.

Projector Connections



1	Mini USB (mini type B) connector for firmware upgrade	7	+ 5V/1A DC out connector
2	RJ-45 connector	8	Audio output connector
3	VGA input connector	9	Audio input connector
4	VGA output (monitor loop through) connector	10	Composite Video connector
5	HDMI connector	11	RS232 connector
6	Security cable slot	12	Power cord connector

CAUTION: Before you begin any of the procedures in this section, follow the Safety Instructions as described on page 7.

CAUTION: Safety Instructions

1 Do not use the projector near appliances that generate a lot of heat.

2 Do not use the projector in areas where there is an excessive amount of dust. The dust may cause the system to fail and the projector will automatically shutdown.

3 Ensure that the projector is mounted in a well-ventilated area.

4 Do not block the ventilation slots and openings on the projector.

5 Ensure the projector operates between ambient temperatures (5 °C to 40 °C).

6 Do not try to touch the ventilation outlet as it can become very hot after the projector has been turned on or immediately after it is turned off.

7 Do not look into the lens while the projector is on as it may cause injury to your eyes.

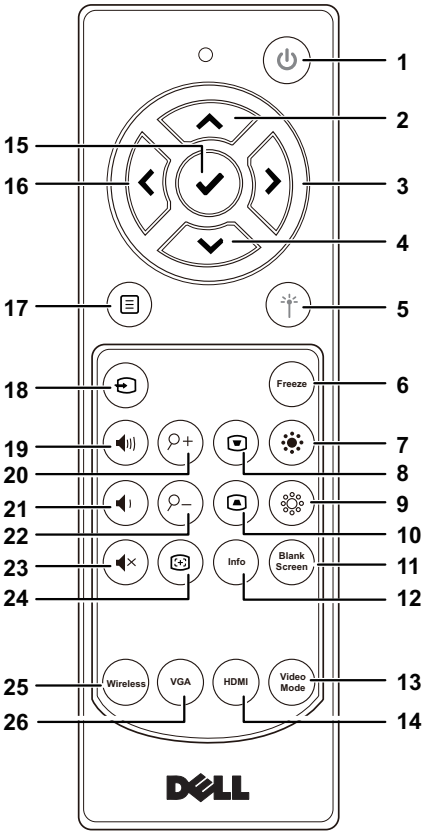
8 Do not place any objects near or in front of the projector or cover its lens while the projector is on as the heat may cause the object to melt or burn.

9 Do not use alcohol to wipe the lens.

NOTE:

- Do not attempt to ceiling mount the projector by yourself. It should be installed by a qualified technician.
- Recommended Projector Ceiling Mount Kit (P/N: C3505). For more information, see the Dell Support website at **dell.com/support**.
- For more information, see the Safety Information that shipped with your projector.
- The 4350 projector can only be used indoors.

Remote Control



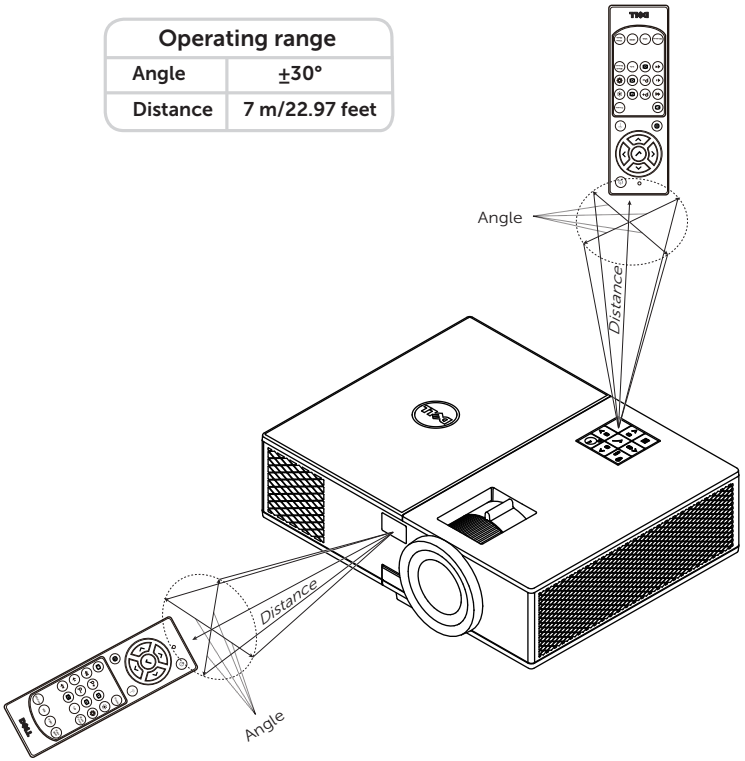
1	Power	Turns the projector on or off.
2	Up	Press to navigate through the On-Screen Display (OSD) Menu items.
3	Right	Press to navigate through the On-Screen Display (OSD) Menu items.
4	Down	Press to navigate through the On-Screen Display (OSD) Menu items.

5	Laser	Point the remote control at the screen, press and hold the laser button to activate the laser light. **CAUTION: Do not look at the laser point when it is active. Avoid directing the laser light on your eyes.**
6	Freeze	Press to pause the screen image, then press "Freeze" again to unfreeze the image.
7	Brightness +	Press to increase the brightness.
8	Keystone adjustment +	Press to adjust image distortion caused by tilting the projector (+/-40 degrees).
9	Brightness -	Press to decrease the brightness.
10	Keystone adjustment -	Press to adjust image distortion caused by tilting the projector (+/-40 degrees).
11	Blank screen	Press to hide/unhide the image.
12	Info	Press to display the projector information.
13	Video mode	The projector has preset configurations that are optimized for displaying data (presentation slides) or video (movies, games, etc.). Press the **Video Mode** button to toggle between **Presentation mode**, **Bright mode**, **Movie mode**, **sRGB**, or **Custom mode**. Pressing the **Video Mode** button once will show the current display mode. Pressing the **Video Mode** button again will switch between modes.
14	HDMI	Press to choose HDMI source.
15	Enter	Press to confirm the selection.
16	Left	Press to navigate through the On-Screen Display (OSD) Menu items.
17	Menu	Press to activate the OSD.
18	Source	Press to switch between VGA, Composite, HDMI-1, and HDMI-2 source.
19	Volume up	Press to increase the volume.

20	Zoom +	Press to increase the image.
21	Volume down	Press to decrease the volume.
22	Zoom -	Press to decrease the image.
23	Mute	Press to mute or un-mute the projector speaker.
24	Auto Adjust	Press to auto adjust the displayed image.
25	Wireless	Press to choose Wireless Display Adapter source.
26	VGA	Press to choose VGA source.

Remote Control Operating Range

Operating range	
Angle	±30°
Distance	7 m/22.97 feet



NOTE: Actual operating range may slightly differ from the diagram. Weak batteries will also prevent the remote control from properly operating the projector.

2 Adjusting Projector Image

Adjusting Projected Zoom

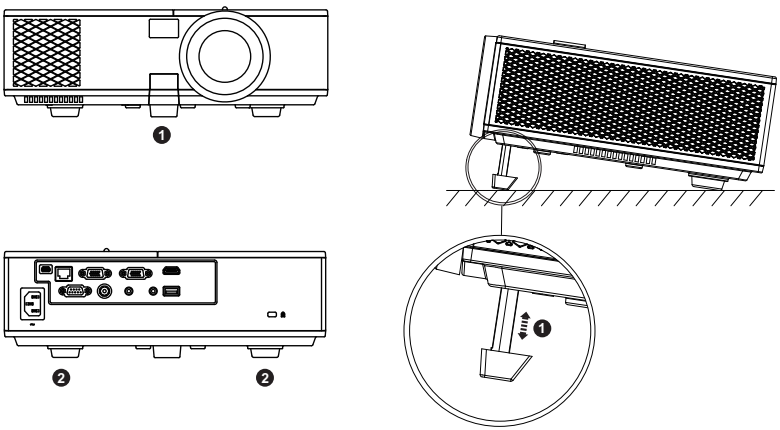
Raising the Projector Height

1 Raise the projector to the desired display angle, and use the front tilt adjustment wheel to fine-tune the display angle.

2 Use the tilt adjustment wheels to fine-tune the display angle.

Lowering the Projector Height

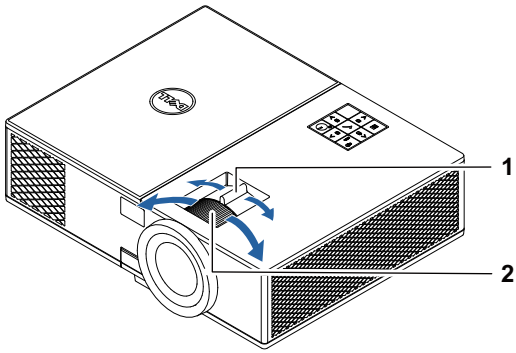
1 Lower the projector, and use the front tilt adjustment wheel to fine-tune the display angle.



1	Front tilt adjustment wheel (Angle of tilt: 0 to 8.5 degrees)
2	Fixed rubber foot

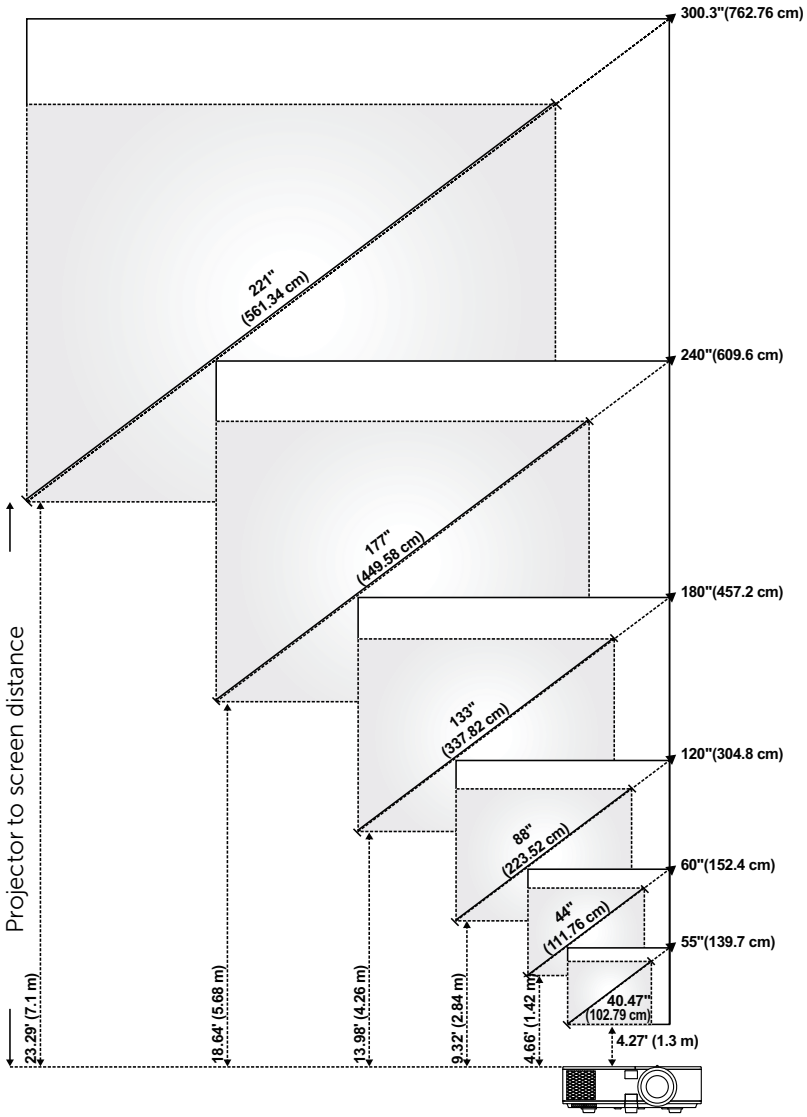
Adjusting Projector Focus

1 Rotate the focus ring until the image is clear. The projector focuses at distances ranging between 4.27 ft to 23.29 ft (1.3 m to 7.1 m).



1	Zoom tab
2	Focus ring

Adjusting Image Size



Adjusting Image Shape

Projection Distance (m) [A]	Min Zoom				
	Image size			Projector base to top of image (cm) [C]	Projector base to bottom of image (cm) [D]
	Diagonal (inch/cm) [B]	Width (cm) [W]	Height (cm) [H]		
1.3	40.47"/102.79 cm	90	50	58	8
1.42	44"/111.76 cm	98	55	64	9
2.84	88"/223.52 cm	196	110	128	18
4.26	133"/337.82 cm	294	165	192	27
5.68	177"/449.58 cm	391	220	255	35
7.1	221"/561.34 cm	489	275	319	44

Projection Distance (m) [A]	Max Zoom				
	Image size			Projector base to top of image (cm) [C]	Projector base to bottom of image (cm) [D]
	Diagonal (inch/cm) [B]	Width (cm) [W]	Height (cm) [H]		
1.3	55"/139.7 cm	122	68	79	11
1.42	60"/152.4 cm	133	75	87	12
2.84	120"/304.8 cm	266	150	174	24
4.26	180"/457.2 cm	399	224	260	36
5.68	240"/609.6 cm	532	299	347	48
7.1	300.3"/762.76 cm	665	374	434	60

* This graph is for user reference only.

* Offset Ratio: 116±5%

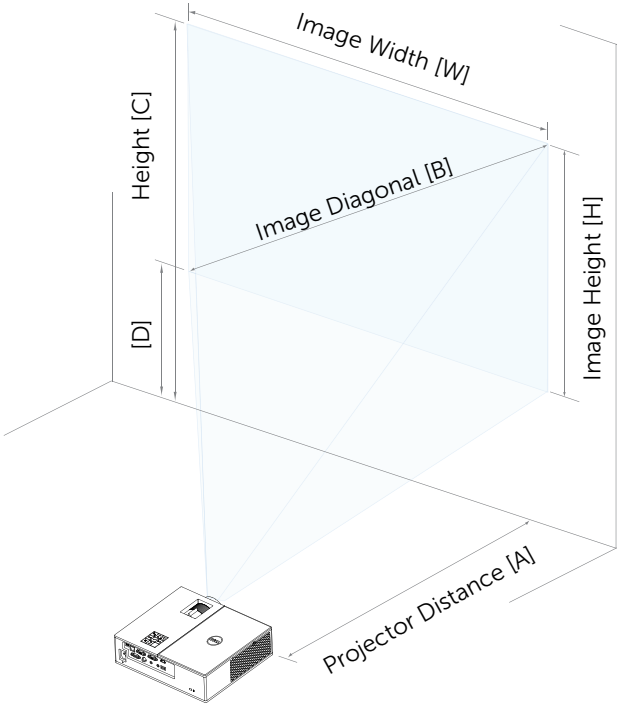
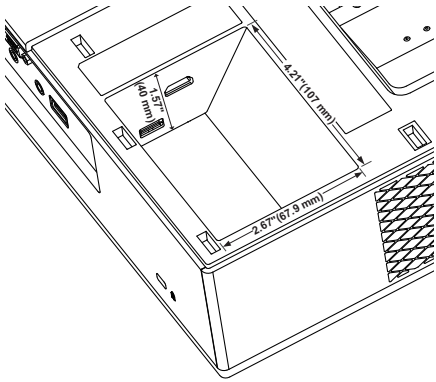


Image Width [W]
Height [C]
Image Diagonal [B]
[D]
Image Height [H]
Projector Distance [A]

3 Connecting Wireless Display Adapter

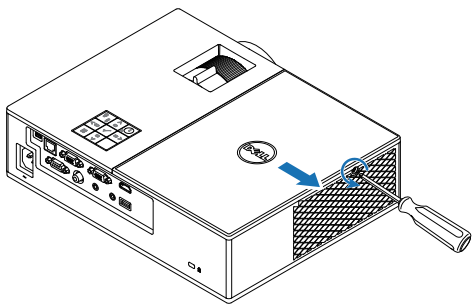
Installing Wireless Display Adapter

Your projector comes with a secured internal compartment for wireless display adapter. The wireless display adapter is not shipped with your 4350 projector. The internal compartment has a HDMI and USB power port and its dimension is 4.21 x 1.57 x 2.67 inches (107 x 40 x 67.9 mm).

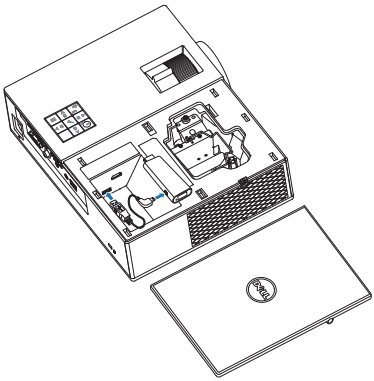


The installation steps are as below:

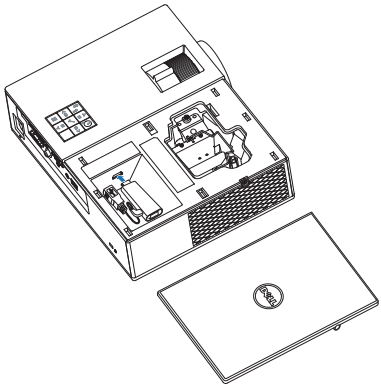
1 Open the top cover, making sure projector is already powered off.



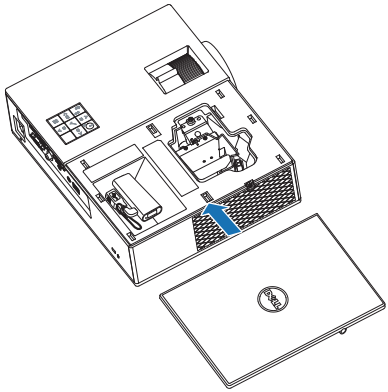
2 Attach the power USB cable to the wireless display adapter.



3 Attach the wireless display adapter.

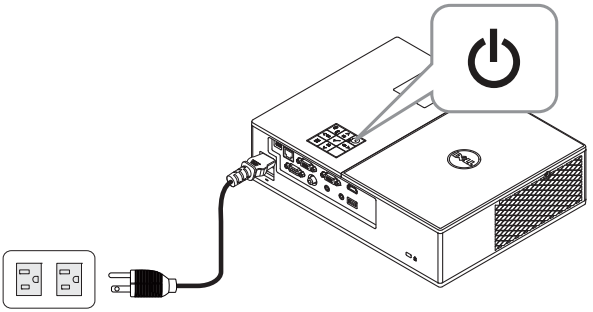


4 Replace the top cover and tighten the screw.

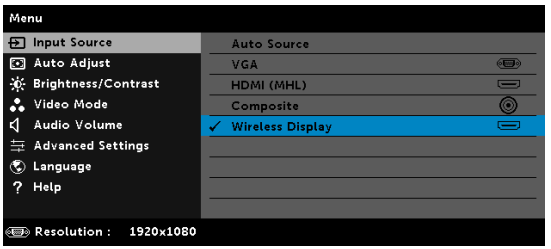


Setting up the Wireless Display Adapter

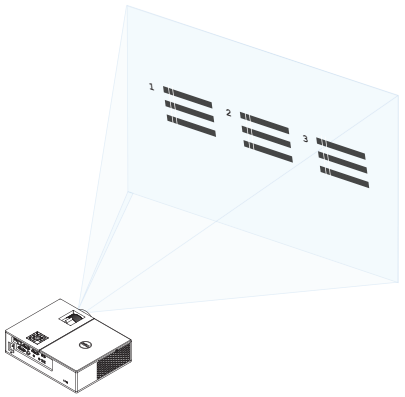
1 Power on the pojector.



2 Switch to "**Wireless Display**" source.



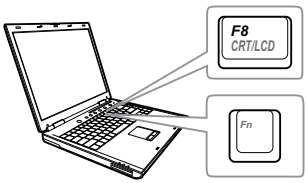
3 Follow the on-screen instructions to proceed with wireless projection.



4 Troubleshooting

Troubleshooting Tips

If you experience problems with your projector, see the following troubleshooting tips. If the problem persists, contact Dell.

Problem	Possible Solution
No image appears on the screen 	• Ensure that you have chosen the correct input source on the INPUT SOURCE menu. • Ensure the external graphics port is enabled. If you are using a Dell laptop computer, press Fn F8 CRT/LCD (Fn+F8). For other computers, see your respective documentation. If images are not displayed properly, please upgrade the video driver of your computer. For Dell computers, see www.dell.com/support. • Ensure that all the cables are securely connected. See "Adjusting Projector Image" on page 12. • Ensure that the pins of the connectors are not bent or broken. • Ensure that the lamp is securely installed (see "Changing the Lamp" on page 26). • Use the Test Pattern in the Projector Settings of the Advanced Settings menu. Ensure that the colors of the test pattern are correct.

Problem (continued)	Possible Solution (continued)
Partial, scrolling, or incorrectly displayed image	1 Press the Auto Adjust button on the remote control. 2 If you are using a Dell laptop computer, set the resolution of the computer to 1080p (1920 x 1080): a Right-click the unused portion of your Microsoft® Windows® desktop, click **Properties**, and then select **Settings** tab. b Verify that the setting is 1920 x 1080 pixels for the external monitor port. c Press Fn F8 (Fn+F8). If you experience difficulty in changing resolutions, or if your monitor freezes, restart all the equipment and the projector. If you are not using a Dell laptop computer, see your documentation. If images are not displayed properly, please upgrade the video driver of your computer. For a Dell computer, see www.dell.com/support.
The screen does not display your presentation	If you are using a portable computer, press Fn F8 (Fn+F8).
Image is unstable or flickering	Adjust the tracking in the OSD **Display Settings** of the **Advanced Settings** menu (in PC Mode only).
Image has vertical flickering bar	Adjust the frequency in the OSD **Display Settings** of the **Advanced Settings** menu (in PC Mode only).

Problem (continued)	Possible Solution (continued)
Image color is incorrect	• If the display receives the wrong signal output from the graphics card, please set the signal type to **RGB** in the OSD **Image Settings** of the **Advanced Settings** tab. • Use **Test Pattern** in the **Projector Settings** of the **Advanced Settings** menu. Ensure that the colors of the test pattern are correct.
Image is out of focus	**1** Adjust the focus ring on the projector lens. **2** Ensure that the projection screen is within the required distance from the projector (4.27 ft [1.3 m] ~ 23.29 ft [7.1 m]).
The image is stretched when displaying a 16:9 DVD	The projector automatically detects the input signal format. It will maintain the aspect ratio of the projected image according to the input signal format with an Original setting. If the image is still stretched, adjust the aspect ratio in the Display Settings of the Advanced Settings menu in the OSD.
Image is reversed	Select **Projector Settings** of the **Advanced Settings** from the OSD and adjust the projector mode.
Lamp is burned out or makes a popping sound	When the lamp reaches its end of life, it may burn out and may make a loud popping sound. If this occurs, the projector does not turn back on. To replace the lamp, see "Changing the Lamp" on page 26.
LAMP light is solid amber	If the **LAMP** light is solid amber, replace the lamp.

Problem (continued)	Possible Solution (continued)
LAMP light is blinking amber	If the **LAMP** light is blinking amber, the lamp module connection may be disrupted. Please check the lamp module and ensure that it is properly installed. If the **LAMP** lights and the **Power** light is blinking amber, the lamp driver has failed and the projector will automatically shut down. If the **LAMP** and **TEMP** lights are blinking amber and the **Power** light is solid blue, the color wheel has failed and the projector will automatically shut down. To clear the protection mode, press and hold the POWER button for 10 seconds.
TEMP light is solid amber	The projector has overheated. The display automatically shuts down. Turn the display on again after the projector cools down. If the problem persists, contact Dell.
TEMP light is blinking amber	If the projector fan fails, the projector will automatically shut down. Try to clear the projector mode by pressing and holding the **Power** button for 10 seconds. Please wait for about 5 minutes and try to power up again. If the problem persists, contact Dell.
The remote control is not operating smoothly or works only within a limited range	The battery may be low. If so, replace with two new AAA batteries.

Guiding Signals

Projector Status	Description	Control Buttons	Indicator	
		Power	TEMP (Amber)	LAMP (Amber)
Standby mode	Projector in Standby mode. Ready to power on.	White Flashing	OFF	OFF
Warming up mode	Projector takes some time to warm up and power on.	White	OFF	OFF
Lamp on	Projector in Normal mode, ready to display an image. Note: The OSD menu is not accessed.	White	OFF	OFF
Cooling mode	Projector is cooling to shutdown.	White	OFF	OFF
Projector overheated	Air vents might be blocked or ambient temperature may be above 40°C. The projector automatically shuts down. Ensure that the air vents are not blocked and that the ambient temperature is within operational range. If the problem persists, contact Dell.	OFF	AMBER	OFF
Fan breakdown	One of the fans has failed. The projector automatically shuts down. If the problem persists, contact Dell.	OFF	AMBER Flashing	OFF
Lamp driver breakdown	The lamp driver has failed. The projector automatically shuts down. Unplug the power cord after three minutes and then turn the display on again. If this problem persists, contact Dell.	AMBER Flashing	OFF	AMBER Flashing
Color Wheel breakdown	Color wheel cannot start. The projector has failed and the projector automatically shuts down. Unplug the power cord after three minutes and then turn on the projector. If this problem persists, contact Dell.	White	AMBER Flashing	AMBER Flashing
Lamp failure	Lamp is defective. Replace the lamp.	OFF	OFF	AMBER
Fault - DC supply (+12V)	Power supply has been interrupted. The projector automatically shuts down. Unplug the power cord after three minutes and then turn on the projector. If this problem persists, contact Dell.	AMBER Flashing	AMBER	AMBER
Lamp module connection failed	Lamp module connection may be disrupted. Check the lamp module and ensure that it is properly installed. If the problem persists, contact Dell.	OFF	OFF	AMBER Flashing

5 Maintenance

Changing the Lamp

CAUTION: Before you begin any of the procedures in this section, follow the Safety Instructions as described on page 7.

Replace the lamp when the message "**Lamp is approaching the end of its useful life in the operation. Replacement suggested! www.dell.com/lamps**" appears on the screen. If this problem persists after replacing the lamp, contact Dell.

CAUTION: Use an original lamp to ensure safe and optimal working condition of your projector.

CAUTION: The lamp becomes very hot when in use. Do not attempt to replace the lamp until the projector has been allowed to cool down for at least 30 minutes.

CAUTION: Do not touch the bulb or the lamp glass at any time. Projector lamps are very fragile and may shatter if touched. The shattered glass pieces are sharp and can cause injury.

CAUTION: If the lamp shatters, remove all broken pieces from the projector and dispose or recycle according to state, local, or federal law. For more information see www.dell.com/hg.

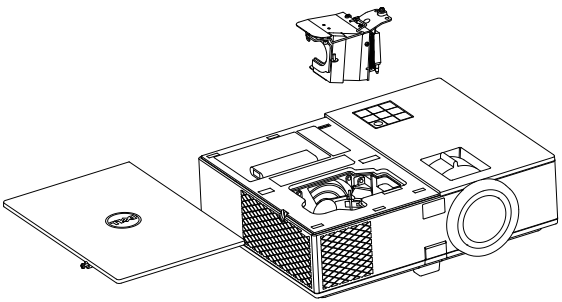
1 Turn off the projector and disconnect the power cord.

2 Let the projector cool for at least 30 minutes.

3 Loosen the screw that secures the top cover, and remove the cover.

4 Loosen the screw that secures the lamp.

5 Pull the lamp up by its metal handle.



NOTE: Dell may require lamps replaced under warranty to be returned to Dell. Otherwise, contact your local waste disposal agency for the address of the nearest deposit site.

6 Replace with the new lamp.

7 Tighten the screw that secures the lamp.

8 Replace the top cover and tighten the screw.

9 Reset the lamp usage time by selecting "Yes" for **Lamp Reset** in the OSD **Power Settings** of the **Advanced Settings** menu. When a new lamp module has been changed, the projector will automatically detect and reset the lamp hours.

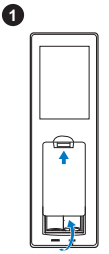
CAUTION: Lamp Disposal (for the US only)

LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE, OR FEDERAL LAWS. FOR MORE INFORMATION, GO TO WWW.DELL.COM/HG OR CONTACT THE ELECTRONIC INDUSTRIES ALLIANCE AT WWW.EIAE.ORG. FOR LAMP-SPECIFIC DISPOSAL INFORMATION, CHECK WWW.LAMPRECYCLE.ORG.

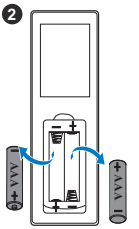
Replacing Remote Control Batteries

NOTE: Remove the batteries from the remote control when not in use.

1 Press the tab to lift the battery compartment cover.

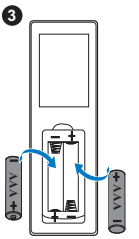


2 Check the polarity (+/-) marking on the batteries.

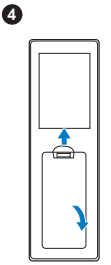


3 Insert the batteries and align their polarity correctly according to the marking in the battery compartment.

NOTE: Avoid mixing different types of batteries or using new and old batteries together.



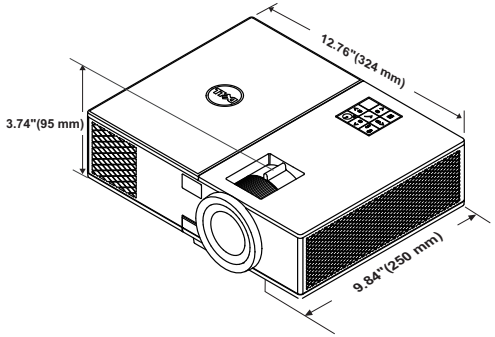
4 Slip the battery cover back.



6 Specifications

Light Valve	0.65" 1080p S600 DMD, DarkChip3™
Brightness	4000 ANSI Lumens (Max.)
Contrast Ratio	1800:1 Typical (Full On/Full Off)
Uniformity	70% Typical (Japan Standard - JBMA)
Number of Pixels	1920 x 1080 (1080p)
Aspect Ratio	16:9
Displayable Color	1.07 billion colors
Color Wheel Speed	2 X
	1 X for 3D Display
Projection Lens	F-Stop: F/2.51~2.93
	Focal length, f=16~21.4 mm
	1.36X manual Zoom Lens
	Throw ratio =1.068~1.451 wide and tele
	Offset ratio: 116 ± 5%
Projection Screen Size	40.47 ~ 300.3 inches (diagonal)
Projection Distance	4.27 ~ 23.29 ft (1.3 ~ 7.1 m)
Video Compatibility	Composite Video:
	NTSC: M (3.58 MHz), 4.43 MHz
	PAL: B, D, G, H, I, M, N, 4.43 MHz
	SECAM: B, D, G, K, K1, L, 4.25/4.4 MHz
	Component Video input via VGA: 1080i (50/60 Hz), 720p (50/60 Hz), 576i/p, 480i/p
	HDMI input: 1080p, 720p, 576i/p, 480i/p
Power Supply	Universal AC 100-240 V 50-60 Hz with PFC input

Power Consumption	Normal mode: 322 W ± 10% @ 110 Vac Eco mode: 268 W ± 10% @ 110 Vac Standby mode: < 0.5 W Network standby: < 3 W **NOTE:** By default, the projector is set to enter power saving mode after 20 minutes of no activity.
Audio	1 speaker x 10 watt RMS
Noise Level	Normal mode: 37 dB(A) Eco mode: 32 dB(A)
Projector Weight	6.6 lbs (3.0 kg)
Dimensions (W x H x D)	12.76 x 3.74 x 9.84 inches (324 x 95 x 250 mm)



Environmental	Operating temperature: 5 °C - 40 °C (41 °F-104 °F) Humidity: 80% maximum Storage temperature: 0 °C to 60 °C (32 °F to 140 °F) Humidity: 90% maximum Shipping temperature: -20 °C to 60 °C (-4 °F to 140 °F) Humidity: 90% maximum
I/O Connectors	Power: One AC power socket (3-pin - C14 inlet) VGA input: One 15-pin D-sub connector (Blue), VGA In, for analog RGB/Component input signals.

	VGA output: One 15-pin D-sub connector (Black) for VGA-A loop through. Composite Video input: One Yellow RCA jack for CVBS signal. HDMI input: Two HDMI connectors (one in the internal compartment) for supporting HDMI 1.4a. specification HDCP compliant. Analog Audio input: One 3.5 mm stereo mini phone jack (Blue). Variable audio output: One 3.5 mm stereo mini phone jack (Green). USB (type B) port: One mini USB slave for firmware upgrade. 5V/1A output: Two USB type A 5V DC / 1 A outputs (one in internal compartment) for supporting wireless display dongle. RS232 port: One 9-pin D-sub for RS232 communication. RJ-45 port: One RJ-45 connector for build-in for network control.
Lamp	PHILIPS 260 W user-replaceable lamp
Lamp life	Normal mode: Up to 3000 hours Eco mode: Up to 4000 hours

NOTE: The lamp life rating for any projector is a measure of brightness degradation only, and is not a specification for the time it takes a lamp to fail and cease light output. Lamp life is defined as the time it takes for more than 50 percent of a lamp sample population to have brightness decrease by approximately 50 percent of the rated lumens for the specified lamp. The lamp life rating is not guaranteed in any way. The actual operating life span of a projector lamp will vary according to operating conditions and usage patterns. Usage of a projector in stressful conditions which may include dusty environments, under high temperatures, many hours per day, and abrupt powering-off will most likely result in a lamp's shortened operating life span or possible lamp failure.

7 Additional Information

For additional information on how to use your projector, please see the **Dell Projectors User Guide** at www.dell.com/support/manuals.

8 Contacting Dell

For customers in the United States, call 800-WWW-DELL (800-999-3355).

NOTE: If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

1. Visit go to www.dell.com/contactDell.
2. Select your region on the interactive map.
3. Select a Segment for Contact.
4. Select the appropriate service or support link based on your need.

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