



Disclaimer

This user manual is provided as a free service by FixYourDLP.com. FixYourDLP is in no way responsible for the content of this manual, nor do we guarantee its accuracy. FixYourDLP does not make any claim of copyright and all copyrights remain the property of their respective owners.

About FixYourDLP.com

FixYourDLP.com (<http://www.fixyourdlp.com>) is the World's #1 resource for media product news, reviews, do-it-yourself guides, and manuals.

Informational Blog: <http://www.fixyourdlp.com>

Video Guides: <http://www.fixyourdlp.com/guides>

User Forums: <http://www.fixyourdlp.com/forum>

FixYourDLP's Fight Against Counterfeit Lamps:

<http://www.fixyourdlp.com/counterfeits>

Sponsors:

RecycleYourLamp.org – Free lamp recycling services for used lamps:

<http://www.recycleyourlamp.org>

Lamp Research - The trusted 3rd party lamp research company:

<http://www.lampresearch.com>

Discount-Merchant.com – The worlds largest lamp distributor:

<http://www.discount-merchant.com>



FixYourDLP.com

Sponsored by 




Dell™ S300 Projector

User's Guide



Discount-Merchant.com (800) 281-8860
THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES

Notes, Notices, and Cautions

-  **NOTE:** A NOTE indicates important information that helps you make better use of your projector.
-  **NOTICE:** A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.
-  **CAUTION:** A CAUTION indicates a potential for property damage, personal injury, or death.

Information in this document is subject to change without notice.
© 2010 Dell Inc. All rights reserved.

Reproduction of these materials in any manner whatsoever without the written permission of Dell Inc. is strictly forbidden.

Trademarks used in this text: *Dell* and the *DELL* logo are trademarks of Dell Inc.; *DLP* and *DLP* logo are trademarks of TEXAS INSTRUMENTS INCORPORATED; *Microsoft* and *Windows* are either trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Dell Inc. disclaims any proprietary interest in trademarks and trade names other than its own.

Model S300

January 2010 Rev. A00



Discount-Merchant.com (800) 281-8860
THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES

Contents

| | | |
|---|--|-----------|
| 1 | Your Dell Projector | 6 |
| | About Your Projector | 7 |
| 2 | Connecting Your Projector | 9 |
| | Connecting to a Computer | 10 |
| | Connecting a Computer Using a VGA Cable | 10 |
| | Monitor Loop-Through Connection Using VGA Cables | 11 |
| | Connecting a Computer Using an RS232 cable | 12 |
| | Connecting a DVD Player | 13 |
| | Connecting a DVD Player Using an S-video Cable | 13 |
| | Connecting a DVD Player Using a Composite Video Cable | 14 |
| | Connecting a DVD Player Using a Component Video Cable | 15 |
| | Connecting a DVD Player Using an HDMI Cable | 16 |
| | Connecting to Local Area Network | 17 |
| | To control the projector that is connected to a network through an RJ45 cable. | 17 |
| | Professional Installation Options: Installation for Driving Automatic Screen | 18 |
| | Connection With Commercial RS232 Control Box | 19 |

| | | |
|---|---|-----------|
| 3 | Using Your Projector | 20 |
| | Turning Your Projector On | 20 |
| | Turning Your Projector Off | 20 |
| | Adjusting the Projected Image | 21 |
| | Raising the Projector Height | 21 |
| | Lowering the Projector Height | 21 |
| | Adjusting the Projector Focus | 22 |
| | Adjusting Projection Image Size | 23 |
| | Using the Control Panel | 24 |
| | Using the Remote Control | 27 |
| | Installing the Remote Control Batteries | 30 |
| | Operating Range With Remote Control | 31 |
| | Using the On-Screen Display | 32 |
| | Main Menu | 32 |
| | AUTO-ADJUST | 32 |
| | INPUT SELECT | 33 |
| | PICTURE (in PC Mode) | 34 |
| | PICTURE (in Video Mode) | 35 |
| | DISPLAY (in PC Mode) | 36 |
| | DISPLAY (in Video Mode) | 38 |
| | LAMP | 39 |
| | SET UP | 39 |
| | INFORMATION | 42 |
| | OTHERS | 42 |
| | Managing the Projector From Web Management | 49 |

| | |
|---|-----------|
| Configuring the Network Setting | 49 |
| Accessing Web Management | 49 |
| Managing Properties | 50 |
| 4 Troubleshooting Your Projector | 62 |
| Guiding Signals | 66 |
| Changing the Lamp | 67 |
| 5 Specifications | 69 |
| 6 Contacting Dell | 74 |
| 7 Appendix: Glossary | 75 |

1

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.

Package Contents

Power cable



1.8m VGA cable (VGA to VGA)



Remote control



CD User's Guide & Documentation



AAA Batteries (2)

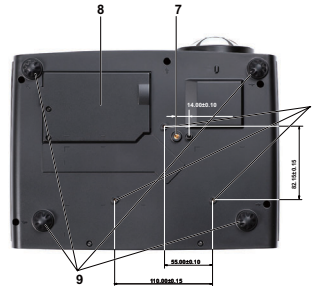


About Your Projector

Top View



Bottom View



| | |
|---|--|
| 1 | Control panel |
| 2 | Focus tab |
| 3 | Lens |
| 4 | IR receivers |
| 5 | Lens cap |
| 6 | Mounting holes for ceiling mount: Screw hole M3 x 6.5mm depth. Recommended torque <8 kgf-cm |
| 7 | Mounting hole for tripod: Insert nut 1/4"*20 UNC |
| 8 | Lamp cover |
| 9 | Tilt adjustment wheel |

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 35°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.

 **NOTE:**

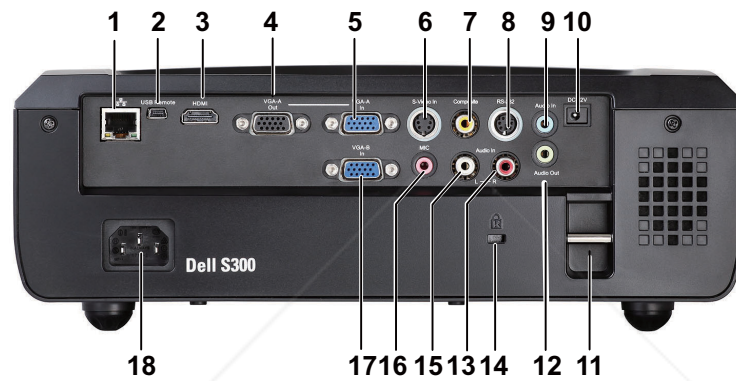
- Do not attempt to ceiling mount the projector yourself. It should be installed by a qualified technician.
- Recommended Projector Ceiling Mount Kit (P/N: C3505). For more information, see the Dell Support website at support.dell.com.
- For more information, see the *Safety Information* that is shipped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



Discount-Merchant.com (800) 281-8860
8 | Your Dell Projector
THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES

2

Connecting Your Projector

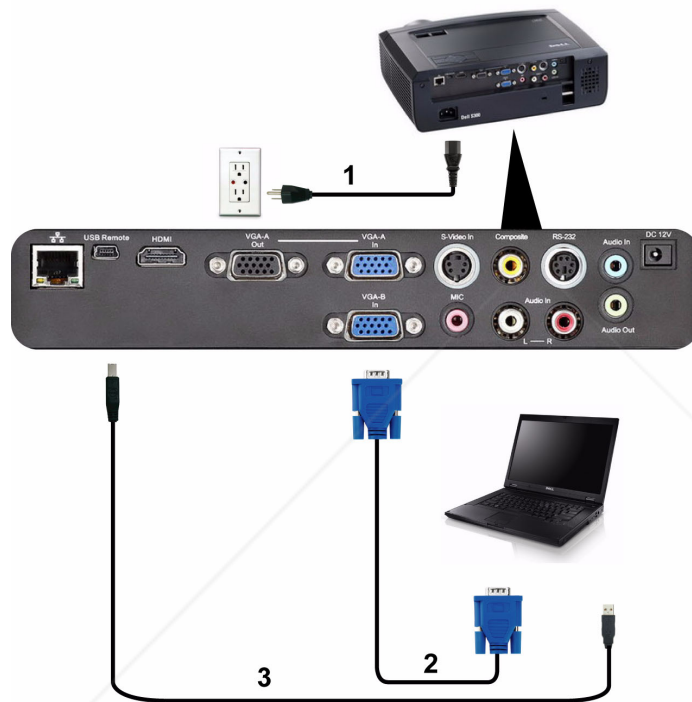


| | | | |
|---|-------------------------------------|----|---------------------------------------|
| 1 | RJ45 connector | 10 | +12V DC out connector |
| 2 | Mini USB remote connector | 11 | Security bar |
| 3 | HDMI connector | 12 | Audio output connector |
| 4 | VGA-A output (monitor loop-through) | 13 | Audio-B right-channel input connector |
| 5 | VGA-A input (D-sub) connector | 14 | Security cable slot |
| 6 | S-video connector | 15 | Audio-B left-channel input connector |
| 7 | Composite video connector | 16 | Microphone connector |
| 8 | RS232 connector | 17 | VGA-B input (D-sub) connector |
| 9 | Audio-A input connector | 18 | Power cord connector |


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


Connecting to a Computer

Connecting a Computer Using a VGA Cable



| | |
|---|----------------------|
| 1 | Power cord |
| 2 | VGA to VGA cable |
| 3 | USB-A to USB-B cable |

 **NOTE:** The USB cable is not provided with your projector.

 **NOTE:** The USB cable must be connected if you want to use the Page Up and Page Down features on the remote control.

Monitor Loop-Through Connection Using VGA Cables




| | |
|---|------------------|
| 1 | Power cord |
| 2 | VGA to VGA cable |

 **NOTE:** Only one VGA cable is shipped with your projector. An additional VGA cable can be purchased on the Dell website at dell.com.

Connecting a Computer Using an RS232 cable

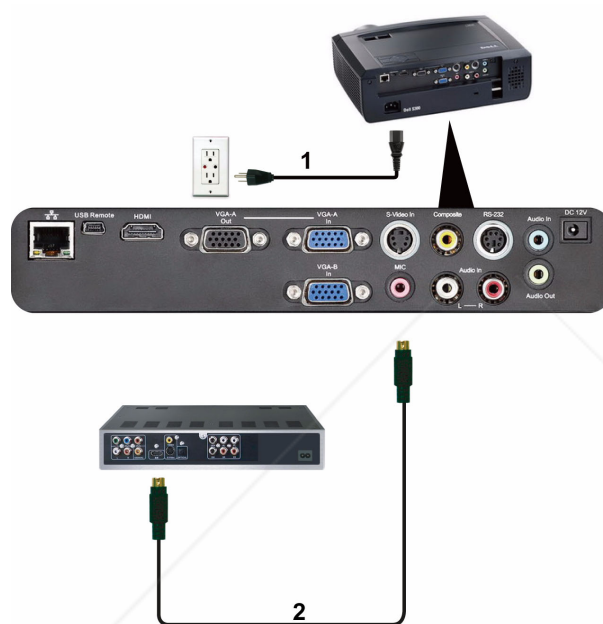


| | |
|---|-------------|
| 1 | Power cord |
| 2 | RS232 cable |


 **NOTE:** The RS232 cable is not shipped with your projector. Consult a professional installer for the cable and RS232 remote control software.

Connecting a DVD Player

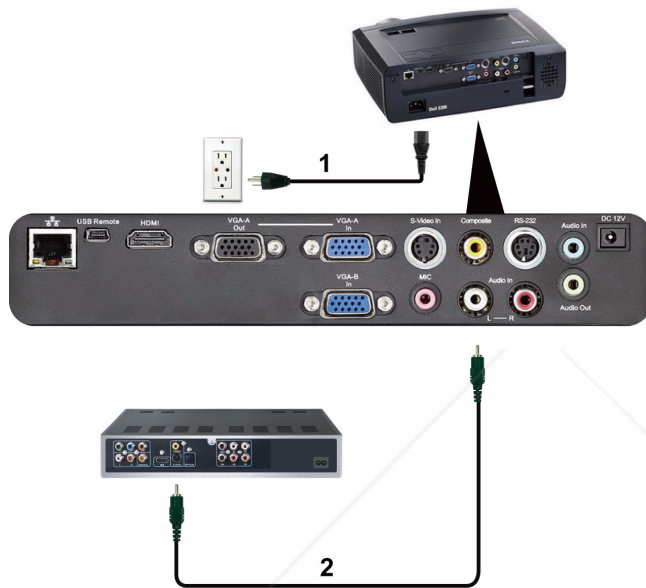
Connecting a DVD Player Using an S-video Cable



| | |
|---|---------------|
| 1 | Power cord |
| 2 | S-video cable |

 **NOTE:** The S-video cable is not shipped with your projector. You can purchase the S-Video extension (50 ft/100 ft) cable on the Dell website at dell.com.

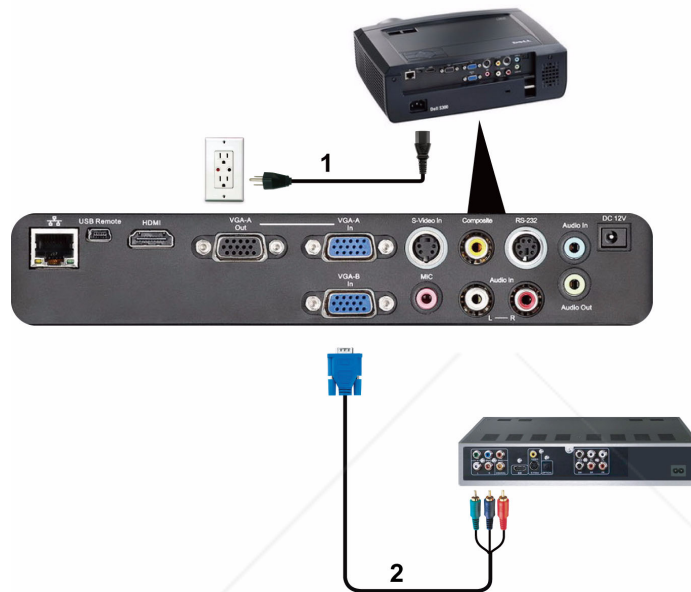
Connecting a DVD Player Using a Composite Video Cable




| | |
|---|-----------------------|
| 1 | Power cord |
| 2 | Composite video cable |

NOTE: The Composite Video cable is not shipped with your projector. You can purchase the Composite Video Extension (50 ft/100 ft) cable on the Dell website at dell.com.

Connecting a DVD Player Using a Component Video Cable




| | |
|---|------------------------------|
| 1 | Power cord |
| 2 | VGA to Component Video cable |

 **NOTE:** The VGA to Component Video cable is not shipped with your projector. You can purchase the VGA to Component Video Extension (50 ft/100 ft) cable on the Dell website at dell.com.

Connecting a DVD Player Using an HDMI Cable

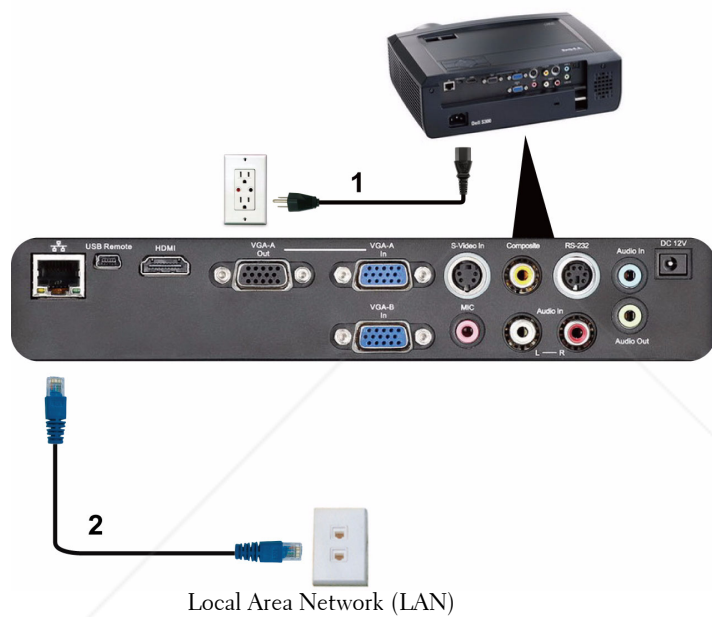


| | |
|---|------------|
| 1 | Power cord |
| 2 | HDMI cable |


 **NOTE:** The HDMI cable is not shipped with your projector.

Connecting to Local Area Network

To control the projector that is connected to a network through an RJ45 cable.



| | |
|---|------------|
| 1 | Power cord |
| 2 | RJ45 cable |

 **NOTE:** The RJ45 cable is not shipped with your projector.

Professional Installation Options: Installation for Driving Automatic Screen



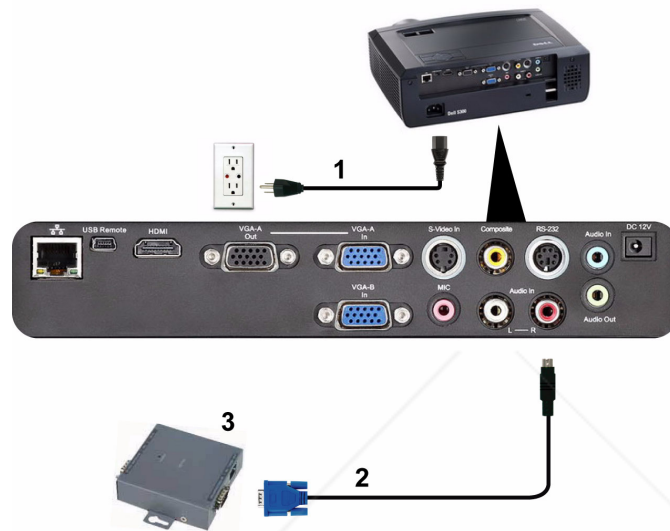
| | |
|---|------------------|
| 1 | Power cord |
| 2 | 12V DC Plug |
| 3 | Automatic Screen |

NOTE: Use the dimension of 12V DC plug in 1.7 mm (ID) x 4.00 mm (OD) x 9.5 mm (shaft) to connect the automatic screen with the projector.


12V DC Plug



Connection With Commercial RS232 Control Box




| | |
|---|------------------------------|
| 1 | Power cord |
| 2 | RS232 cable |
| 3 | Commercial RS232 control box |

 **NOTE:** The RS232 cable is not shipped with your projector. Consult a professional technician to obtain the cable.

3


Using Your Projector

Turning Your Projector On


 **NOTE:** Turn on the projector before you turn on the source (computer, DVD player, etc.). The **Power** button light blinks blue until pressed.

- 1 Remove the lens cap.
- 2 Connect the power cord and appropriate signal cables. For information about connecting the projector, see "Connecting Your Projector" on page 9.
- 3 Press the **Power** button (see "Using the Control Panel" on page 25 to locate the **Power** button).
- 4 Turn on your source (computer, DVD player, etc.).
- 5 Connect your source to the projector using the appropriate cable. See "Connecting Your Projector" on page 9 for instructions to connect your source to the projector.
- 6 By default, the input source of projector is set to VGA-A. Change the input source of projector if necessary.
- 7 If you have multiple sources connected to the projector, press the **Source** button on the remote control or control panel to select the desired source. See "Using the Control Panel" on page 25 and "Using the Remote Control" on page 27 to locate the **Source** button.

Turning Your Projector Off

 **NOTICE:** Unplug the projector after properly shutting down as explained in the following procedure.

- 1 Press the **Power** button.

 **NOTE:** The "**Press Power Button to Turn off Projector**" message will appear on the screen. The message disappears after 5 seconds or you can press the **Menu** button to clear it.

- 2 Press the **Power** button again. The cooling fans continue to operate for 120 seconds.

3 To power off the projector quickly, press the **Power** button and hold for 1 second while the projector's cooling fans are still running.

NOTE: Before you turn on the projector again, wait for 60 seconds to allow the internal temperature to stabilize.

4 Disconnect the power cord from the electrical outlet and the projector.

Adjusting the Projected Image

Raising the Projector Height

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

Lowering the Projector Height

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



| | |
|---|---|
| 1 | Front tilt adjustment wheel (Angle of tilt: -1 to 4 degree) |
| 2 | Tilt adjustment wheel |

Adjusting the Projector Focus

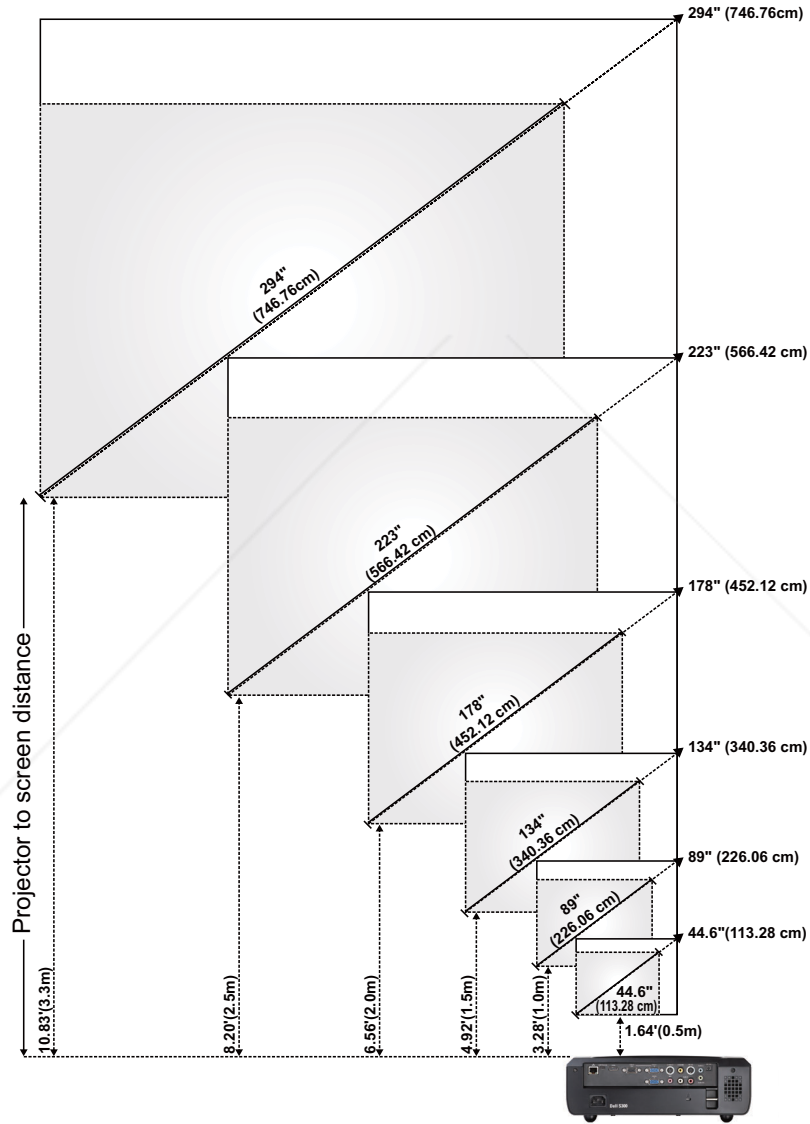
⚠ CAUTION: To avoid damaging the projector, ensure that the zoom lens and elevator foot are fully retracted before moving the projector or placing the projector in its carrying case.

- 1 Rotate the focus tab until the image is clear. The projector focuses at distances ranging between 1.64 ft to 10.83 ft (0.5 m to 3.3 m).



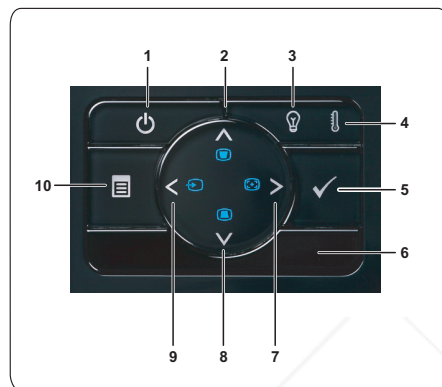
| | |
|---|-----------|
| 1 | Focus tab |
|---|-----------|


Adjusting Projection Image Size









| | | | | | | | |
|--|---------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Screen (Diagonal) | Max. | 44.6" (113.28 cm) | 89" (226.06 cm) | 134" (340.36 cm) | 178" (452.12 cm) | 223" (566.42 cm) | 294" (746.76cm) |
| | Min. | 44.6" (113.28 cm) | 89" (226.06 cm) | 134" (340.36 cm) | 178" (452.12 cm) | 223" (566.42 cm) | 294" (746.76cm) |
| Screen Size | Max. (WxH) | 37.80" X 23.62" | 75.59" X 47.24" | 113.39" X 70.87" | 151.18" X 94.49" | 188.98" X 118.11" | 249.21" X 155.91" |
| | | (96 cm X 60 cm) | (192 cm X 120 cm) | (288 cm X 180 cm) | (384 cm X 240 cm) | (480 cm X 300 cm) | (633 cm X 396 cm) |
| | Min. (WxH) | 37.80" X 23.62" | 75.59" X 47.24" | 113.39" X 70.87" | 151.18" X 94.49" | 188.98" X 118.11" | 249.21" X 155.91" |
| | | (96 cm X 60 cm) | (192 cm X 120 cm) | (288 cm X 180 cm) | (384 cm X 240 cm) | (480 cm X 300 cm) | (633 cm X 396 cm) |
| Hd | Max. | 2.93" (7.44 cm) | 5.86" (14.87 cm) | 8.79" (22.32 cm) | 11.71" (29.74 cm) | 14.64" (37.19 cm) | 19.33" (49.09 cm) |
| | Min. | 2.93" (7.44 cm) | 5.86" (14.87 cm) | 8.79" (22.32 cm) | 11.71" (29.74 cm) | 14.64" (37.19 cm) | 19.33" (49.09 cm) |
| Distance | | 1.64' (0.5m) | 3.28' (1.0m) | 4.92' (1.5m) | 6.56' (2.0m) | 8.20' (2.5m) | 10.83' (3.3m) |
| * This graph is for user reference only. | | | | | | | |

Using the Control Panel















| | | |
|---|--|---|
| 1 | Power | Turns the projector on or off. For more information, see "Turning Your Projector On" on page 20 and "Turning Your Projector Off" on page 20. |
| 2 | Up  / Keystone adjustment | Press to navigate through the On-Screen Display (OSD) Menu items. Press to adjust image distortion caused by tilting the projector (+40/-35 degrees). |
| 3 | LAMP warning light | If the LAMP amber indicator is on or blinking, one of the following problems could be occurring: <ul style="list-style-type: none"> • Lamp is reaching its end of usable life • Lamp module is not properly installed • Lamp driver failure • Color wheel failure For more information, see "Troubleshooting Your Projector" on page 62 and "Guiding Signals" on page 66. |




| | | |
|----|--|---|
| 4 | TEMP warning light | <p>If the TEMP amber indicator is on or blinking, one of the following problems could be occurring:</p> <ul style="list-style-type: none"> • Internal temperature of the projector is too high • Color wheel failure <p>For more information, see "Troubleshooting Your Projector" on page 62 and "Guiding Signals" on page 66.</p> |
| 5 | Enter  | Press to confirm the selection item. |
| 6 | IR Receiver | Point the remote control towards the IR receiver and press a button. |
| 7 | Right  / Auto Adjust | <p>Press to navigate through the On-Screen Display (OSD) Menu items.</p> <p>Press to synchronize the projector to the input source.</p> <p> NOTE: Auto Adjust does not operate if the on-screen display (OSD) is displayed.</p> |
| 8 | Down  / Keystone adjustment | <p>Press to navigate through the On-Screen Display (OSD) Menu items.</p> <p>Press to adjust image distortion caused by tilting the projector (+40/-35 degrees).</p> |
| 9 | Left  / Source | <p>Press to navigate through the On-Screen Display (OSD) Menu items.</p> <p>Press to toggle through Analog RGB, Composite, Component (YPbPr via VGA), HDMI, and S-video sources when multiple sources are connected to the projector.</p> |
| 10 | Menu  | Press to activate the OSD. Use the directional keys and the Menu button to navigate through the OSD. |

Using the Remote Control




| | | |
|---|---|--|
| 1 | Power  | Turns the projector on or off. For more information, see "Turning Your Projector On" on page 20 and "Turning Your Projector Off" on page 20. |
| 2 | Enter  | Press to confirm the selection. |
| 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 | Aspect Ratio | Press to change aspect ratio of a displayed image. |
| 7 | Keystone adjustment  | Press to adjust image distortion caused by tilting the projector (+40/-35 degrees). |
| 8 | Page up  | Press to move to previous page. NOTE: The USB cable must be connected if you want to use the Page Up feature. |
| 9 | Page down  | Press to move to next page. NOTE: The USB cable must be connected if you want to use the Page Down feature. |
| 10 | Keystone adjustment  | Press to adjust image distortion caused by tilting the projector (+40/-35 degrees). |
| 11 | S-Video | Press to choose S-Video source. |
| 12 | Video | Press to choose Composite Video source. |
| 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 | Blank screen | Press to hide/unhide the image. |
| 15 | Up  | Press to navigate through the On-Screen Display (OSD) Menu items. |
| 16 | Left  | Press to navigate through the On-Screen Display (OSD) Menu items. |
| 17 | Menu  | Press to activate the OSD. |

| | | |
|----|---|---|
| 18 | Mute  | Press to mute or un-mute the projector speaker. |
| 19 | Zoom + | Press to increase the image. |
| 20 | Zoom - | Press to decrease the image. |
| 21 | Volume up  | Press to increase the volume. |
| 22 | Volume down  | Press to decrease the volume. |
| 23 | Freeze | Press to pause the screen image, then press "Freeze" again to unfreeze image. |
| 24 | VGA | Press to choose VGA source. |
| 25 | Source | Press to switch between Analog RGB, Composite, Component (YPbPr, via VGA), HDMI, and S-video source. |
| 26 | Auto adjust | Press to synchronize the projector with the input source. Auto adjust does not operate if the OSD is displayed. |

Installing the 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.

1



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


2



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

3



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

4 Slip the battery cover back.

4












Operating Range With Remote Control



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

Using the On-Screen Display

- The projector has a multi-language On-Screen Display (OSD) Menu that can be displayed with or without an input source.
- To navigate through the tabs in the Main Menu, press the  or  buttons on your projector's control panel or remote control.
- To select a submenu, press the  button on your projector's control panel or remote control.
- To select an option, press the  or  buttons on your projector's control panel or remote control. The color changes to dark blue. When an item is selected, the color changes to dark blue.
- Use the  or  buttons on the control panel or remote control to adjust the settings.
- To go back to Main Menu, go to Back tab and press the  button on the control panel or remote control.
- To exit the OSD, go to EXIT tab and press the  button or press the Menu button directly on the control panel or remote control.

Main Menu



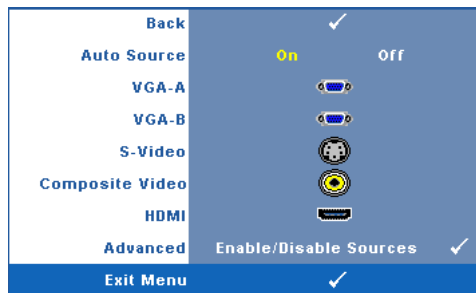
AUTO-ADJUST

Auto Adjust automatically adjusts the projector's **F**requency and **T**racking in PC mode. While Auto Adjustment is in progress, the following message appears on the screen:

Please wait...

INPUT SELECT

The Input Select menu allows you to select your projector's input source.



AUTO SOURCE—Select **Off** (the default) to lock the current input signal. If you press the **Source** button when the **Auto Source** mode is set to **Off**, you can manually select the input signal. Select **On** to auto detect the available input signals. If you press the **Source** button when the projector is on, it automatically finds the next available input signal.

VGA-A—Press to detect VGA-A signal.

VGA-B—Press to detect VGA-B signal.

S-VIDEO—Press to detect S-Video signal.

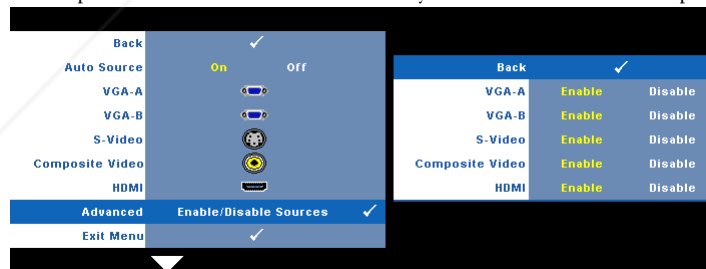
COMPOSITE VIDEO—Press to detect Composite Video signal.

HDMI—Press to detect HDMI signal.

ADVANCED—Press to activate **Input Select Advanced** menu.

INPUT SELECT ADVANCED

The Input Select Advanced menu allows you to enable or disable input sources.




VGA-A—Use and to enable or disable VGA-A input.

VGA-B—Use and to enable or disable VGA-B input.

S-VIDEO—Use and to enable or disable S-Video input.

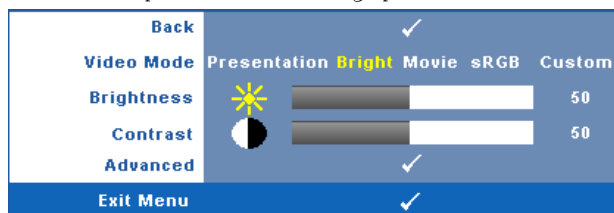
COMPOSITE VIDEO—Use and to enable or disable Composite Video input.

HDMI—Use and to enable or disable HDMI input.


 **NOTE:** You cannot disable your current input source. At anytime, a minimum of two input sources have to be enabled.



PICTURE (in PC Mode)



Using the **Picture** menu, you can adjust the display settings of your projector. The **Picture** menu provides the following options:



VIDEO MODE—Allows you to optimize the display image: **Presentation**, **Bright**, **Movie**, **sRGB** (provides more accurate color representation), and **Custom** (set your preferred settings). If you adjust the settings for **Brightness**, **Contrast**, **Saturation**, **Sharpness**, **Tint**, and **Advanced**, the projector automatically switches to **Custom**.

 **NOTE:** If you adjust the settings for **Brightness**, **Contrast**, **Saturation**, **Sharpness**, **Tint**, and **Advanced** the projector automatically switches to **Custom**.

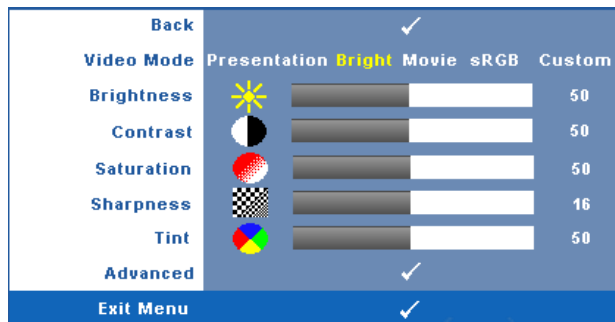
BRIGHTNESS—Use  and  to adjust the brightness of the image.

CONTRAST—Use  and  to adjust the display contrast.


ADVANCED—Press  to activate **Picture Advance Menu**. See "PICTURE ADVANCED" on page 36.

PICTURE (in Video Mode)

Using the **Picture** menu, you can adjust the display settings of your projector. The **Picture** menu provides the following options:



VIDEO MODE—Allows you to optimize the display image: **Presentation**, **Bright**, **Movie**, **sRGB** (provides more accurate color representation), and **Custom** (set your preferred settings). If you adjust the settings for **Brightness**, **Contrast**, **Saturation**, **Sharpness**, **Tint**, and **Advanced** the projector automatically switches to **Custom**.

 **NOTE:** If you adjust the settings for **Brightness**, **Contrast**, **Saturation**, **Sharpness**, **Tint**, and **Advanced** the projector automatically switches to **Custom**.

BRIGHTNESS—Use and to adjust the brightness of the image.

CONTRAST—Use and to adjust the display contrast.

SATURATION—Allows you to adjust the video source from black and white to fully saturated color. Press to decrease the amount of color in the image and to increase the amount of color in the image.

SHARPNESS—Press to decrease the sharpness and to increase the sharpness.

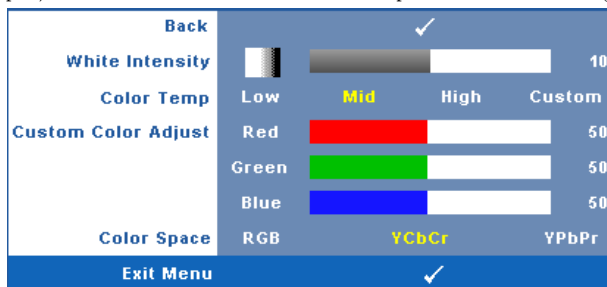
TINT—Press to increase the amount of green in the image and to increase the amount of red in the image (available for NTSC only).

ADVANCED—Press to activate **Picture Advance Menu**. See "PICTURE ADVANCED" below.

 **NOTE:** **Saturation**, **Sharpness**, and **Tint** are only available when input source is from **Composite** or **S-Video**.

PICTURE ADVANCED

Using the Picture Advanced menu, you can adjust the display settings of your projector. The Picture Advanced menu provides the following options:



WHITE INTENSITY—Use and to adjust the display white intensity.

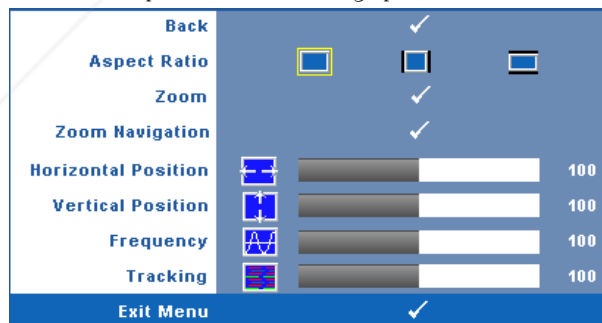
COLOR TEMP—Allows you to adjust the color temperature. The screen appears cooler at higher color temperatures and warmer at lower color temperatures. When you adjust the values in the **Color Adjust** menu, the Custom mode is activated. The values are saved in the Custom mode.

CUSTOM COLOR ADJUST—Allows you to manually adjust the colors red, green, and blue.




COLOR SPACE—Allows you to select the color space, options are: RGB, YCbCr, and YPbPr.

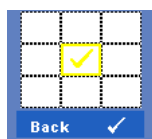
DISPLAY (in PC Mode)


Using the Display menu, you can adjust the display settings of your projector. The Picture menu provides the following options:




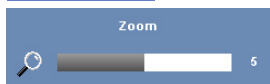
ASPECT RATIO—Allows you to select the aspect ratio to adjust how the image appears.




-  Original — Select Original to maintain the aspect ratio of image projected according to input source.
-  4:3 — The input source scales to fit the screen and projects a 4:3 image.
-  Wide — The input source scales to fit the width of the screen to project a wide screen image.




Zoom—Press  to activate **Zoom** menu.





Select the area to zoom and press  to view zoomed image.







Adjust the image scale by pressing  or  and press  to view.



Zoom Navigation—Press  to activate **Zoom Navigation** menu.

Use , , ,  to navigate projection screen.

HORIZONTAL POSITION—Press  to move the image to the left and  to move the image to the right.

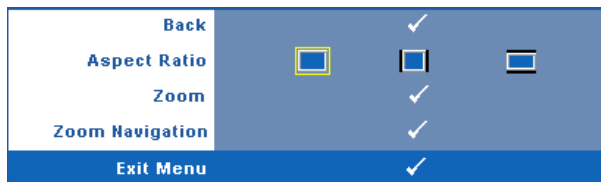
VERTICAL POSITION—Press  to move the image down and  to move the image up.

FREQUENCY—Allows you to change the display data clock frequency to match the frequency of your computer graphics card. If you see a vertical flickering wave, use **Frequency** control to minimize the bars. This is a coarse adjustment.




TRACKING—Synchronize the phase of the display signal with the graphic card. If you experience an unstable or flickering image, use **Tracking** to correct it. This is a fine adjustment.

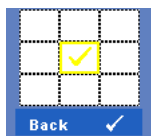
DISPLAY (in Video Mode)


Using the **Display** menu, you can adjust the display settings of your projector. The **Picture** menu provides the following options:







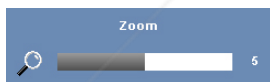
ASPECT RATIO—Allows you to select the aspect ratio to adjust how the image appears.




-  **Original** — Select **Original** to maintain the aspect ratio of image projected according to input source.
-  **4:3** — The input source scales to fit the screen and projects a 4:3 image.
-  **Wide** — The input source scales to fit the width of the screen to project a wide screen image.




ZOOM—Press  to activate **Zoom** menu.





Select the area to zoom and press  to view zoomed image. Adjust the image scale by pressing  or  and press  to view.



Adjust the image scale by pressing  or  and press  to view.



ZOOM NAVIGATION—Press  to activate **Zoom Navigation** menu.

Use     to navigate projection screen.

LAMP

Using the **Lamp** menu, you can adjust the display settings of your projector. The Lamp menu provides the following options:

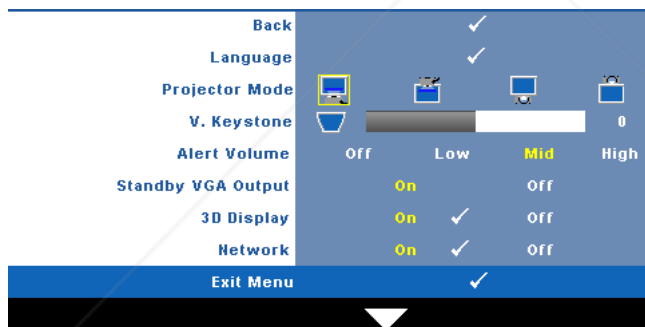


LAMP HOUR—Displays the operating hours since the last lamp timer reset.

LAMP HOUR RESET—Select **Yes** to reset the lamp timer.

SET UP





The Set Up menu allows you to adjust settings for Language, Projector Mode, Keystone, Alert Volume, Standby VGA Output, 3D Display and Network.



LANGUAGE—Allows you to set the language for the OSD. Press to activate the Language menu.



PROJECTOR MODE—Allows you to select the projector mode, depending upon how the projector is mounted.


-  Front Projection-Desktop — This is the default option.
-  Front Projection-Ceiling Mount — The projector turns the image upside down for ceiling-mounted projection.
-  Rear Projection-Desktop — The projector reverses the image so that you can project from behind a translucent screen.
-  Rear Projection-Ceiling Mount — The projector reverses and turns the image upside down. You can project from behind a translucent screen with a ceiling-mounted projection.

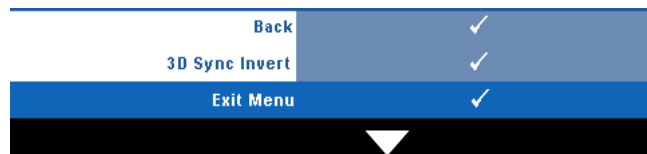
V. KEYSTONE—Manually adjust the vertical image distortion caused by tilting the projector.

ALERT VOLUME—Allows you to set buzzer alert loudness (Off, Low, Mid or High) for power on/off, warning and command keys.


STANDBY VGA OUTPUT—Select On or Off the VGA output function at projector standby status. Default is Off.

3D DISPLAY—Select On to start the 3D display function. Default is Off.

 **NOTE:** To activate 3D Display function, ensure that 3D goggles, 3D video contents and 60Hz/120Hz signal output graphic card supported on PC/NB are ready.

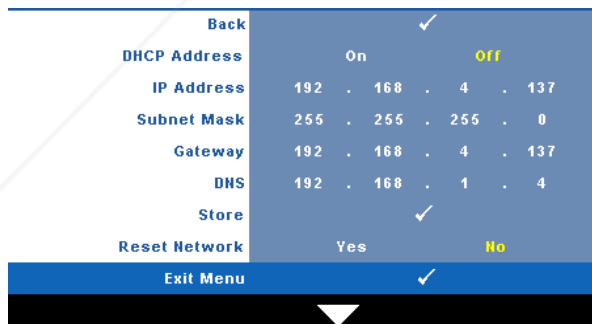






3D Sync Invert—If you see a discrete or overlapping image while wearing DLP 3D goggles, you may need to execute 'Invert' to get best match of left/right image sequence to get the correct image. (For DLP 3D goggles)

Network—Select On to activate network function. Press  to configure Network settings.

NETWORK

The Network menu allows you to configure the network connection settings.




DHCP ADDRESS—If a DHCP server exists in the network to which the projector is connected, the IP address will automatically be acquired when you select DHCP On. If DHCP is Off, manually set the IP Address, Subnet Mask, and Gateway. Use   to select the number of IP Address, Subnet Mask, and Gateway. Key in Enter to confirm each number and then use   to set the next item.

IP ADDRESS—Automatically or manually assigns the IP address to the projector connected to the network.










SUBNET MASK—Configure the Subnet Mask of the network connection.

GATEWAY—Check the Gateway address with your network/system administrator if you configure it manually.

DNS—Check the DNS Server IP address with your network/system administrator if you configure it manually.

STORE—Press  to save the changes made in network configuration settings.

 **NOTE:**

- 1 Use  and  button to select IP Address, Subnet Mask, Gateway, DNS and Store.
- 2 Press the  button to enter IP Address, Subnet Mask, Gateway or DNS to set the value. (The selected option is highlighted in yellow)
 - a Use  and  button to select the option.
 - b Use  and  button to set the value.
 - c After the setup is complete, press the  button to exit.
- 3 After the IP Address, Subnet Mask, Gateway and DNS is set up, select Store and press the  button to store the settings.

RESET NETWORK—Select **Yes** to reset network configuration.

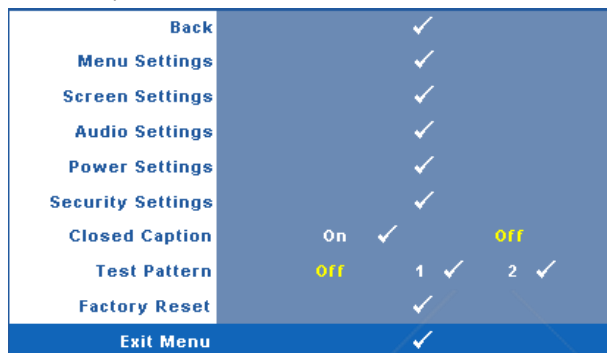
INFORMATION

The Information menu displays the current projector settings.

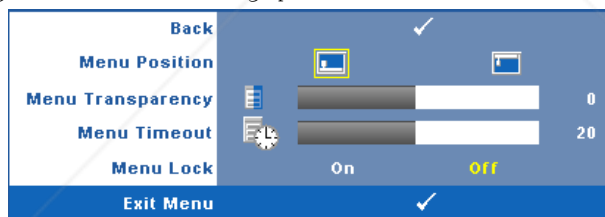
| | |
|----------------|--------------------------|
| Back | ✓ |
| Model Name | S300 |
| Input Source | ANALOG RGB 1280X800 60Hz |
| Operating Hour | 10 hr |
| PPID | CH-092W58-S0081-46B-0208 |
| IP Address | 192.168.4.137 |
| Exit Menu | ✓ |

OTHERS

The Others menu allows you to change settings for Menu, Screen, Audio, Power, Security, and Closed Caption (for NTSC only). You can also perform Test Pattern and Factory Reset.



MENU SETTINGS—Select and press to activate menu settings. The menu settings consists of the following options:



MENU POSITION—Allows you to change the position of the OSD menu on the screen.

MENU TRANSPARENCY—Select to change the transparency level of the OSD background.

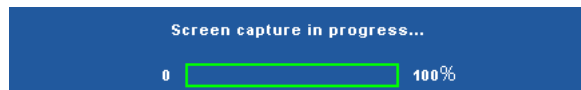
MENU TIMEOUT—Allows you to adjust the time for an OSD timeout. By default, the OSD disappears after 20 seconds of non-activity.

MENU LOCK—Select **On** to enable Menu Lock and hide the OSD menu. Select **OFF** to disable the Menu Lock. If you want to disable the Menu Lock function and have the OSD disappear, press the **Menu** button on the control panel or remote control for 15 seconds, then disable the function.

SCREEN SETTINGS—Select and press to activate screen settings. The screen settings menu consists of the following options:



CAPTURE SCREEN—Select and press to capture the screen display, the following message appears on the screen.

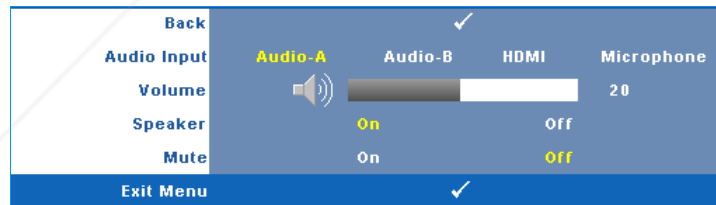


NOTE: To capture a full image, ensure the input signal that is connected to the projector is 1024 x 768 resolution.

SCREEN—Select Dell to use the Dell logo as wallpaper. Select Captured to set the captured image as wallpaper.

RESET—Select and press to delete the captured picture and set back to the default setting.

AUDIO SETTINGS—Select and press to change audio settings. The audio settings menu consists of the following options:



AUDIO INPUT—Select the Audio input source, options are: Audio-A, Audio-B, HDMI and Microphone.

VOLUME—Press to decrease the volume and to increase the volume.

SPEAKER—Select On to enable speaker. Select Off to disable speaker.

MUTE—Allows you to mute the sounds for audio input and audio output.

POWER SETTINGS—Select and press to activate power settings. The power settings menu consists of the following options:


| | | | | |
|----------------|-----|-------|-------|--------------|
| Back | | | | ✓ |
| Power Saving | Off | 30min | 60min | 90min 120min |
| Quick Shutdown | | Yes | | No |
| Exit Menu | | | | ✓ |

POWER SAVING—Select **Off** to disable Power Saving mode. By default, the projector is set to enter power saving mode after 120 minutes of no activity. A warning message appears on screen showing a 60-second countdown before switching to power saving mode. Press any button during countdown period to stop power saving mode.

You can also set a different delay period to enter power saving mode. The delay period is the time you want the projector to wait without an input signal. Power saving can be set to 30, 60, 90, or 120 minutes.

If an input signal is not detected during the delay period, the projector turns off the lamp and goes into power saving mode. If an input signal is detected within the delay period, the projector automatically turns on. If an input signal is not detected within two hours during power saving mode, the projector switches from Power Saving mode to Power Off mode. To turn on the projector press the Power button.


QUICK SHUTDOWN—Select **Yes** to turn off the projector with a single press of the Power button. This function allows the projector to quick power off with an accelerated fan speed. Slightly higher acoustic noise is expected during quick power off.

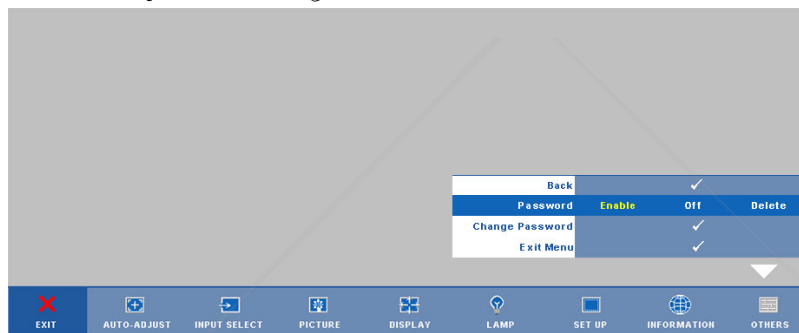
 **NOTE:** Before you turn on the projector again, wait for 60 seconds to allow the internal temperature to stabilize. The projector will take a longer time to turn on if you try to power on immediately. Its cooling fan will run at full speed for about 30 seconds to stabilize the internal temperature.


SECURITY SETTINGS—Select and press to activate security settings. The security settings menu allows you to enable and set password protection.

| | | | |
|-----------------|--------|-----|--------|
| Back | | | ✓ |
| Password | Enable | Off | Delete |
| Change Password | | | ✓ |
| Exit Menu | | | ✓ |

PASSWORD—When Password Protect is enabled, a Password Protect screen requesting you to enter a password will be displayed when the power plug is inserted into the electrical outlet and the power for the projector is first turned on. By default, this function is disabled. You can enable this feature by selecting **Enabled**. If the password has been set before, key in the password first and select the function. This password security feature will be activated the next time you turn on the projector. If you enable this feature, you will be asked to enter the projector's password after you turn on the projector:

- 1 First time password input request:
- d Go to **Others** menu, press  and then select **Password** to **Enable** the password setting.




- e Enabling the Password function will pop up a character screen, key in a 4-digit number from the screen and press .



- f To confirm, enter the password again.
- g If the password verification is successful, you may resume with accessing the projector's functions and its utilities.

2 If you have entered an incorrect password, you will be given another 2 chances. After the three invalid attempts, the projector will automatically turn off.

 **NOTE:** If you forget your password, contact DELL™ or qualified service personnel.

3 To disable the password function, select **Off** to disable the function.

4 To delete the password, select **Delete**.

CHANGE PASSWORD—Key in the original password, then enter the new password and confirm the new password again.

Please key in the original password.

Password (4 character code): X X X X

| | | | | | | | | | |
|---|---|---|---|---|---|---|-------|------|---|
| A | B | C | D | E | F | G | H | I | J |
| K | L | M | N | O | P | Q | R | S | T |
| U | V | W | X | Y | Z | 0 | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | ← | Enter | Exit | |

> < ✓ ▲ Select

PPID CN-092W58-S0081-46B-0208 ✓ Confirm

Please key in new password.

Password (4 character code): X X X X

| | | | | | | | | | |
|---|---|---|---|---|---|---|-------|------|---|
| A | B | C | D | E | F | G | H | I | J |
| K | L | M | N | O | P | Q | R | S | T |
| U | V | W | X | Y | Z | 0 | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | ← | Enter | Exit | |

> < ✓ ▲ Select

PPID CN-092W58-S0081-46B-0208 ✓ Confirm

Please key in new password again.

Password (4 character code): X X X X


| | | | | | | | | | |
|---|---|---|---|---|---|---|-------|------|---|
| A | B | C | D | E | F | G | H | I | J |
| K | L | M | N | O | P | Q | R | S | T |
| U | V | W | X | Y | Z | 0 | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | ← | Enter | Exit | |

> < ✓ ▲ Select





PPID CN-092W58-S0081-46B-0208 ✓ Confirm

CLOSED CAPTION—Select On to enable close caption and activate the closed caption menu. Select an appropriate closed captions option: CC1, CC2, CC3, and CC4.

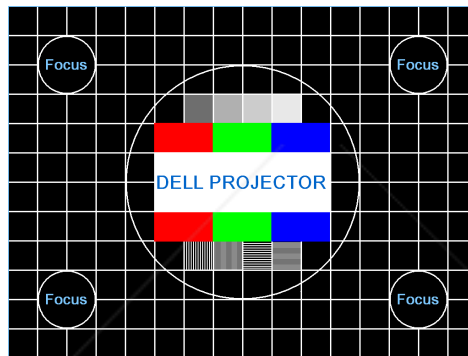
| | | | | |
|-----------|-----|-----|-----|-----|
| Back | | ✓ | | |
| Select | CC1 | CC2 | CC3 | CC4 |
| Exit Menu | | | | ✓ |

 **NOTE:** Closed caption option is available for NTSC only.

TEST PATTERN—Test Pattern is used to test focus and resolution.


You can enable or disable the **Test Pattern** by selecting **Off**, 1 or 2. You can also invoke the **Test Pattern 1** by pressing and holding down  and  buttons on the control panel simultaneously for 2 seconds. You can also invoke the test pattern 2 by pressing and holding down  and  buttons on the control panel simultaneously for 2 seconds.

Test Pattern 1:



Test Pattern 2:



FACTORY RESET—Select and press  to reset all settings to its factory default, the warning message below appears.



Reset items include both computer sources and video source settings.

Managing the Projector From Web Management

Configuring the Network Setting

If the projector is connected to a network, you can access the projector using a web browser by configuring the network setting (TCP/IP). When using the network function, the IP address should be unique. For configuring the network setting, refer to "Network" on page 41.

Accessing Web Management

Use Internet Explorer 5.0 and above or Firefox 1.5 and above and enter the IP address. You can now access Web Management and manage the projector from a remote location.

Managing Properties

Home

DELL S300 Web Management

Home

Welcome to DELL S300 Web Management.

Projector Information

Model Name: S300
Projector Name: D19906
Location:
Contact:
Status: Lamp ON
Lamp Hours: 0 hr
Operation Hours: 1 hr
IP Address: 192.168.6.150
MAC Address: 00:1E:C9:BA:4E:12
Admin Password: Not Set
PPIID: CN-092/V58-S0031-962-8888

Language

English

- Access the Web Management Home page by entering the projector's IP address at the web browser. See "Network" on page 41.
- **Language:** Allows you to set the language for web management.

Network Settings

See OSD section on page 41.

The screenshot shows the Dell S300 Web Management interface. The left sidebar contains navigation links: Home, Network Setting, Projector Status and Control, E-mail Alert, Password Setting, and Firmware Update. The main content area is titled "Network Settings" and is divided into three sections. The first section contains fields for Model Name (S300), Projector Name (D19986), Location, and Contact, with a Save button. The second section has radio buttons for DHCP (selected) and Manual, followed by fields for IP Address (192.168.6.150), Subnet Mask (255.255.255.0), Gateway (192.168.6.254), and DNS Server (192.168.1.167), with a Save button. The third section is titled "Crestron Control System Device" and includes fields for IP Address (255.255.255.255), Device ID (7), and Port (41794), with a Connect button.

- Set up the **Model Name**, **Projector Name**, **Location** and **Contact** information (up to 21 characters for each field). Press **Save** to store the settings.
- Choose **DHCP** to assign an IP address to the projector from a DHCP server automatically, or **Manual** to assign an IP address manually.
- Set up the **IP Address**, **Device ID** and **Port** information on the Crestron function.

Projector Status and Control Page

The screenshot shows the Dell S300 Web Management interface. The left sidebar contains navigation links: Home, Network Setting, Projector Status and Control (selected), E-mail Alert, Password Setting, and Firmware Update. The main content area is titled "Projector Status and Control".

Projector Status: Includes a "Projector Status" dropdown menu (set to "Lamp ON"), a "Power Saving" dropdown menu (set to "120 min."), and an "Alert Status" dropdown menu. There are "Refresh", "Power ON", "Power OFF", and "Clear" buttons.

Image Control: Includes "Operation Mode" (radio buttons for Normal Mode and ECO Mode), "Projector Mode" (dropdown menu set to "Front Projection-Desktop"), "Source Select" (dropdown menu set to "VGA-A"), "Video Mode" (dropdown menu set to "Presentation Mode"), "Blank screen" (radio buttons for On and Off), "Aspect Ratio" (radio buttons for Original, 4:3, and Wide), "Brightness" (slider from 0 to 100), and "Contrast" (slider from 0 to 100). There are "Auto Adjust" and "Set" buttons.

Audio Control: Includes "Audio Input" (dropdown menu set to "Microphone"), "Volume" (slider from 1 to 20), and "Speaker" (radio buttons for On and Off). There is a "Set" button and a "Factory Reset" button.

- **Projector Status:** There are 5 status: Lamp On, Standby, Power Saving, Cooling and Warming up. Click the **Refresh** button to refresh the status and control settings.
- **Power Saving:** Power Saving can be set to Off, 30, 60, 90, or 120 minutes. Refer to page 45.
- **Alert Status:** There are 3 error status: Lamp warning, Low lamp life, and Temperature warning. Your projector might lock up in protection mode if any of the alerts is activated. To exit protection mode, click the **Clear** button to clear the Alert Status before you could Power ON your projector.
- **Projector Mode:** Allows you to select the projector mode, depending upon how the projector is mounted. There are 4 projection modes: Front Projection-Desktop, Front Projection-Ceiling Mount, Rear Projection-Desktop and Rear Projection-Ceiling Mount
- **Source Select:** The Source Select menu allows you to select your projector input source. You can select **VGA-A**, **VGA-B**, **S-VIDEO**, **COMPOSITE VIDEO**, and **HDMI**.
- **Video Mode:** Select a mode to optimize the display image based on how the projector is being used:
 - Presentation: Best for presentation slides.

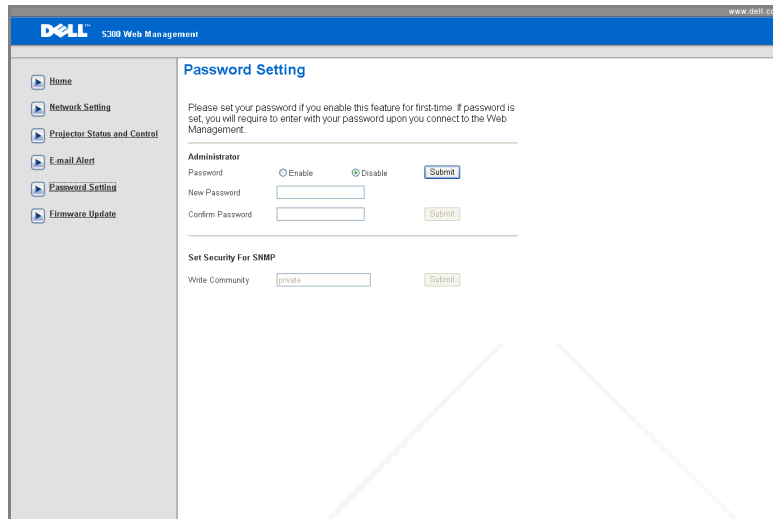
- **Bright:** Maximum brightness and contrast.
- **Movie:** For viewing movie & photo.
- **sRGB:** Provide a more accurate color representation.
- **Custom:** User preferred settings.
- **Blank Screen:** You can select On or Off.
- **Aspect Ratio:** Allows you to select the aspect ratio to adjust how the image appears.
- **Brightness:** Select value to adjust the brightness of the image.
- **Contrast:** Select value to adjust the display contrast.
- **Audio Input:** You can select Audio-A, Audio-B, HDMI and Microphone for the input source
- **Volume:** You can select the value (0~20) for the audio volume
- **Speaker:** You can select On to enable the audio function or select Off to disable the audio function.

E-mail Alert

The screenshot shows the Dell S300 Web Management interface. The page title is "E-mail Alert". On the left, there is a navigation menu with options: Home, Network Setting, Projector Status and Control, E-mail Alert (selected), Password Setting, and Firmware Update. The main content area has a blue header with the Dell logo and "S300 Web Management". Below the header, there are radio buttons for "Enable" and "Disable", with "Disable" selected. A "Save" button is visible. The "E-mail Alert" section includes fields for TO, CC, From, and Subject. The "SMTP Setting" section includes fields for Out going SMTP server, User name, and Password. The "Alert Condition" section has checkboxes for Lamp warning, Low lamp life, and Temperature warning.

- **E-mail Alert:** You can set whether to be notified by email (Enable) or not (Disable).
- **To/CC/From:** You can enter email address of sender (From) and recipients (To/Cc) to receive notification when an abnormality or warning occurs.
- **Alert Condition:** You can select the abnormalities or warnings to be notified by email. When any of the alert conditions occur, an email will be sent to the recipients (To/Cc).
- **Out going SMTP server, User name and Password** should be provided by your network administrator or MIS.


Password Setting



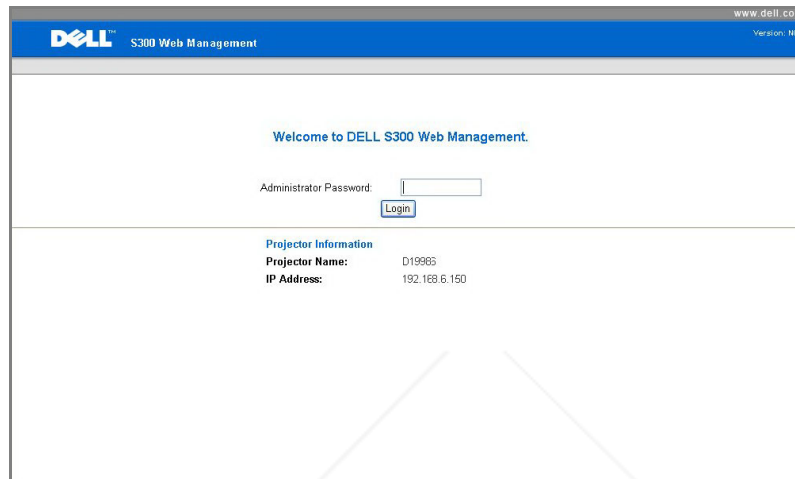
The screenshot shows the Dell S300 Web Management interface. The page title is "Password Setting". A message states: "Please set your password if you enable this feature for first-time. If password is set, you will require to enter with your password upon you connect to the Web Management." The "Administrator" section has a "Password" label with radio buttons for "Enable" and "Disable" (selected), and a "Submit" button. Below are "New Password" and "Confirm Password" input fields, each with a "Submit" button. The "Set Security For SNMP" section has a "Write Community" label with a text input field containing "private" and a "Submit" button. A left sidebar contains navigation links: Home, Network Setting, Projector Status and Control, E-mail Alert, Password Setting (highlighted), and Firmware Update.

Use Password Setting to set up an administrator password to access the **Web Management**. When enabling password for the first time, set the password before enabling it. When the password function is enabled, the administrator password will be required for accessing the **Web Management**.

- **New Password:** Enter new password
- **Confirm Password:** Enter password again and submit
- **Write Community:** Set security for SNMP. Enter password and submit.

 **NOTE:** Contact Dell if you forget your administrator password.

Login Page



www.dell.com
Version: N01

DELL S300 Web Management

Welcome to DELL S300 Web Management.

Administrator Password:

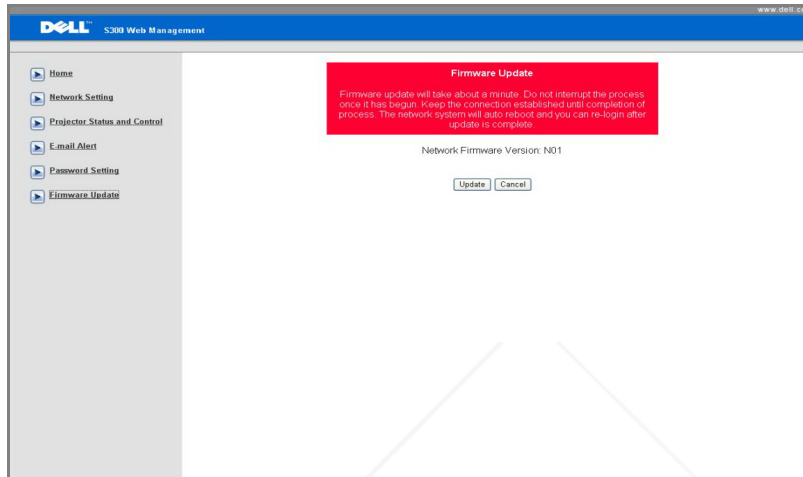
Login

Projector Information

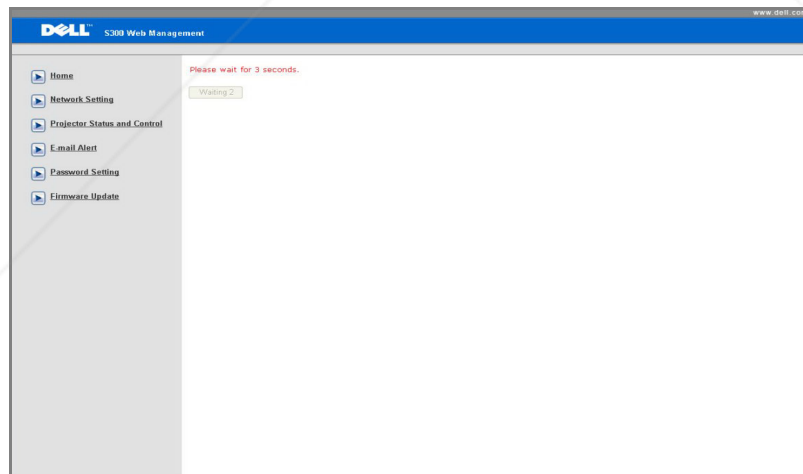
| | |
|-----------------|---------------|
| Projector Name: | D1996S |
| IP Address: | 192.168.6.150 |

- **Administrator Password:** Enter the Administrator Password and click Login.

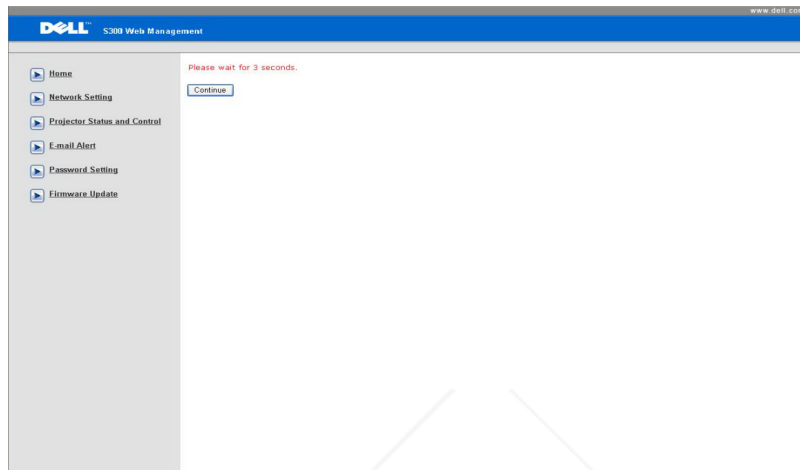
Firmware Update



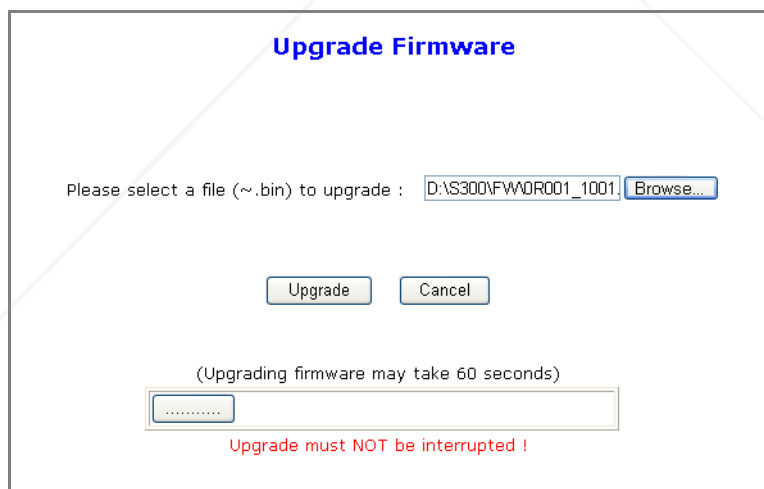
Use the Firmware Update page to update your projector's firmware. Press Update to start.



- Please wait till the count reaches 0.



- Wait for 3 seconds and it will proceed to the next step automatically.



- Select the file to upgrade and click the **Upgrade** button. When upgrading is in progress, the **Cancel** button is disabled.

Please wait.
Click on button to proceed after 8 seconds.

Waiting(6)

- Please wait till the count reaches 0.

Please wait.
Click on button to proceed after 8 seconds.

ReLogin

- When upgrade is complete, please click the **ReLogin** button to go back to the Web Management Home Page.

TIPS:

I would like remote access the projector via Internet. What is the better setting for the browser?

To have a better setting for the browser, please follow the steps below:

- 1 Open Control Panel → Internet Options → General tab → Temporary Internet Files → Settings → Select Every visit to the pages.
- 2 Some firewall or anti-virus may block the HTTP application, if possible turn off the firewall or anti-virus.

I would like to remote access the projector via Internet. What socket port number should I open for it in the firewall?

The following are TCP/IP socket ports which projector uses.

| UDP/TCP | Port Number | Description |
|---------|-------------|---|
| TCP | 80 | Web configuration (HTTP) |
| UDP/TCP | 25 | SMTP: used for email routing between mail servers |
| UDP/TCP | 161 | SNMP: Simple Network Management Protocol |
| UDP | 9131 | AMX: used for AMX discovery |

Why am I unable to access the projector via Internet?

- 1 Check whether your computer/laptop is connected to the Internet.
- 2 Check with your MIS or network administrator whether your computer/laptop is in the same subnet.

Why am I unable to access the SMTP server?

- 1** Check with your MIS or network administrator whether the SMTP server function is open for the projector and the IP assigned to the projector is allowed to access the SMTP server. The projector's SMTP socket port number is 25, this cannot be changed.
- 2** Check if the out going SMTP server, user name, and password are set correctly.
- 3** Some SMTP servers will check whether the mail address of "From" correlates with the "User name" and "Password". For example, you use test@dell.com as the mail address in "From". You should also use test@dell.com account information for the User name and the password to log in the SMTP server.

Why am I unable to receive the test alert email even though the projector already indicates the test mail is already sent?

It could be because the SMTP server recognized the alert mail as a spam mail or because of the SMTP server restriction. Check with your MIS or network administrator for the SMTP server's setting.

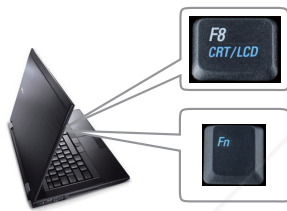
4

Troubleshooting Your Projector

If you experience problems with your projector, see the following troubleshooting tips. If the problem persists, contact Dell™. See Contacting Dell™ on page 74.

Problem

No image appears on the screen







Possible Solution

- Ensure that the lens cap is removed and the projector is turned on.
- Ensure that you have chosen the correct input source on the INPUT SELECT menu.
- Ensure the external graphics port is enabled. If you are using a Dell™ Laptop computer, press **Fn** **F8** (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 computer, see support.dell.com.
- Ensure that all the cables are securely connected. See "Connecting Your Projector" on page 9.
- 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 67).
- Use **Test Pattern** in the **Others** menu. Ensure that the colors of the test pattern are correct.

Missing Input Source.
Cannot switch to particular
Input Source.

Go to Advanced Enable/Disable Sources,
ensure that particular Input Source is set to
Enable.

| Problem (continued) | Possible Solution (continued) |
|--|---|
| Partial, scrolling, or incorrectly displayed image | <ol style="list-style-type: none"> 1 Press the Auto Adjust button on the remote control or the control panel. 2 If you are using a Dell™ portable computer, set the resolution of the computer to WXGA (1280 x 800) or XGA (1024 x 768): <ol style="list-style-type: none"> a Right-click the unused portion of your Microsoft® Windows® desktop, click Properties and then select Settings tab. b Verify that the setting is 1280 x 800 or 1024 x 768 pixels for the external monitor port. c Press   (Fn+F8). <p>If you experience difficulty in changing resolutions or your monitor freezes, restart all the equipment and the projector.</p> <p>If you are not using a Dell™ portable computer, see your documentation. If images are not displayed properly, please upgrade the video driver of your computer. For a Dell computer, see support.dell.com.</p> |
| The screen does not display your presentation | If you are using a portable computer, press   (Fn+F8). |
| Image is unstable or flickering | Adjust the tracking in the OSD Display sub-menu (in PC Mode only). |
| Image has vertical flickering bar | Adjust the frequency in the OSD Display sub-menu (in PC Mode only). |
| Image color is incorrect | <ul style="list-style-type: none"> • If the display receives the wrong signal output from the graphics card, please set the signal type to RGB in the OSD Display tab. • Use Test Pattern in the Others menu. Ensure that the colors of the test pattern are correct. |
| Image is out of focus | <ol style="list-style-type: none"> 1 Adjust the focus ring on the projector lens. 2 Ensure that the projection screen is within the required distance from the projector (1.64 ft [0.5 m] to 10.83 ft [3.3 m]). |

| Problem (continued) | Possible Solution (continued) |
|---|---|
| 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 input signal format with an Original setting. If the image is still stretched, adjust the aspect ratio in the Set Up menu in the OSD. |
| Image is reversed | Select Set Up 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 67. |
| LAMP light is solid amber | If the LAMP light is solid amber, replace the lamp. |
| LAMP light is blinking amber | If the LAMP light is blinking amber, Lamp module connection may be disrupted. Please check the lamp module and ensure that it is properly installed. If the LAMP light and the Power light are blinking amber, the lamp driver has failed and the projector will automatically shut down. If the LAMP and TEMP light 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™. |

| Problem (continued) | Possible Solution (continued) |
|---|---|
| TEMP light is blinking amber | A projector fan has failed and 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 OSD does not appear on the screen | Try to press the Menu button on the panel for 15 seconds to unlock the OSD. Check the Menu Lock on page 43. |
| The remote control is not operating smoothly or works only within a limited range | The battery may be low. Check if the laser beam transmitted from the remote is too dim. If so, replace with 2 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. | BLUE Flashing | OFF | OFF |
| Warming up mode | Projector takes some time to warm up and power on. | BLUE | OFF | OFF |
| Lamp on | Projector in Normal mode, ready to display an image. Note: The OSD menu is not accessed. | BLUE | OFF | OFF |
| Cooling mode | Projector is cooling to shutdown. | BLUE | OFF | OFF |
| Power Saving mode | Power Saving mode has been activated. The projector will automatically enter standby mode, if an input signal is not detected in two hours. | AMBER Flashing | OFF | OFF |
| Cooling before Power Saving mode | The projector takes 60 seconds to cool down before entering Power Saving mode. | AMBER | OFF | OFF |
| Projector overheated | Air vents might be blocked or ambient temperature may be above 35°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 |
| Lamp driver overheated | The lamp driver is overheated. The air vents may be blocked. The projector automatically shuts down. Turn the display on again after the projector cools down. If the problem persists, contact Dell. | AMBER | 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 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. | BLUE | AMBER Flashing | AMBER Flashing |
| 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 |

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™. For more information, see Contacting Dell™ on page 74.

⚠ 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 two screws that secure the lamp cover, and remove the cover.
- 4 Loosen the two screws that secure 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 two screws that secure the lamp.
- 8 Replace the lamp cover and tighten the two screws.



9 Reset the lamp usage time by selecting "Yes" for **Lamp Reset** in the OSD **Lamp** tab (see Lamp menu on page 39). 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.**

Specifications

| | |
|------------------------|---|
| Light Valve | 0.65" WXGA S450 DMD, DarkChip3™ |
| Brightness | 2200 ANSI Lumens (Max.) |
| Contrast Ratio | 2400:1 Typical (Full On/Full Off) |
| Uniformity | 80% Typical (Japan Standard - JBMA) |
| Number of Pixels | 1280 x 800 (WXGA) |
| Displayable Color | 1.07 billion colors |
| Color Wheel Speed | 2X |
| Projection Lens | F-Stop: F/2.8 Focal length, f=7.2 mm 1X manual Zoom Lens, Fix Throw ratio =0.521 wide and tele |
| Projection Screen Size | 44.6-294 inches (diagonal) |
| Projection Distance | 1.64~10.83 ft (0.5 m~3.3 m) |
| Video Compatibility | Composite Video / S-Video: NTSC (J, M, 4.43), PAL (B, D, G, H, I, M, N, Nc, 60), SECAM (B, D, G, K, K1, L) Component Video via VGA & HDMI: 1080i/p, 720p, 576i/p, 480i/p |
| Power Supply | Universal AC 100-240 50-60 Hz with PFC input |
| Power Consumption | Normal mode: 240W ± 10% @ 110Vac (Network On) Power saving mode: <19W (Network On, Fan speed at minimum) Standby mode: <1W (Network Off & VGA_OUT Off) |
| Audio | 1 speaker x 8watt RMS |
| Noise Level | 33 dB +/- 2 dB(A) |
| Weight | 6.7 lbs (3.04 kg) |


Dimensions (W x H x D) 12 x 3.9 x 9.7 inches (306 x 99 x 246.5 mm)



Environmental
Operating temperature: 5°C - 35°C (41°F- 95°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: Two 15-pin D-sub connector (Blue),
VGA-A & VGA-B, for analog RGB/Component
input signals.
VGA output: One 15-pin D-sub connector (Black)
for VGA-A loop through.
S-Video input: One standard 4-pin min-DIN
S-Video connector for Y/C signal.
Composite video input: One Yellow RCA jack for
CVBS signal.
HDMI input: One HDMI connector for supporting
HDMI 1.3. HDCP compliant.
Analog Audio input: One 3.5 mm stereo mini phone
jack (Blue) & one pair of RCA connector
(Red/White).
Variable audio output: One 3.5 mm stereo mini
phone jack (Green).
USB port: One USB slave (Mini USB) for remote
support.

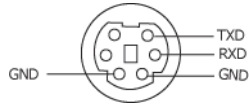
| | |
|------------|---|
| | RS232 port: One mini-DIN 6-pin for RS232 communication. |
| | RJ45 port: One RJ45 connector for control of projector through network. |
| | Microphone: One 3.5 mm stereo mini phone jack (Pink). |
| 12V output | One 12V DC / 200mA max. relay output for driving automatic screen. |
| Lamp | OSRAM 190 W user-replaceable lamp (up to 5000 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.



Discount-Merchant.com (800) 281-8860
THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES

RS232 Pin Assignment



RS232 Protocol

- Communication Settings

| Connection settings | Value |
|---------------------|-------|
| Baud Rate: | 19200 |
| Data Bits: | 8 |
| Parity | None |
| Stop Bits | 1 |


- Command types
To pop up the OSD menu and adjust the settings.
- Control command Syntax (From PC to Projector)
[H][AC][SoP][CRC][ID][SoM][COMMAND]
- Example: Power ON Command (Send low byte firstly)
--> 0xBE, 0xEF, 0x10, 0x05, 0x00, 0xC6, 0xFF, 0x11, 0x11, 0x01, 0x00, 0x01
- Control Commands List
To view the latest RS232 code, go to the Dell Support site at: support.dell.com.

Compatibility Modes (Analog/Digital)

| Resolution | Refresh Rate (Hz) | Hsync Frequency (KHz) | Pixel Clock (MHz) |
|-----------------|-------------------|-----------------------|-------------------|
| 640 x 350 | 70.087 | 31.469 | 25.175 |
| 640 x 480 | 59.940 | 31.469 | 25.175 |
| 640 x 480 p60 | 59.940 | 31.469 | 25.175 |
| 720 x 480 p60 | 59.940 | 31.469 | 27.000 |
| 720 x 576 p50 | 50.000 | 31.250 | 27.000 |
| 720 x 400 | 70.087 | 31.469 | 28.322 |
| 640 x 480 | 75.000 | 37.500 | 31.500 |
| 848 x 480 | 60.000 | 31.020 | 33.750 |
| 640 x 480 | 85.008 | 43.269 | 36.000 |
| 800 x 600 | 60.317 | 37.879 | 40.000 |
| 800 x 600 | 75.000 | 46.875 | 49.500 |
| 800 x 600 | 85.061 | 53.674 | 56.250 |
| 1024 x 768 | 60.004 | 48.363 | 65.000 |
| 1280 x 720 p50 | 50.000 | 37.500 | 74.250 |
| 1280 x 720 p60 | 60.000 | 45.000 | 74.250 |
| 1920 x 1080 i50 | 50.000 | 28.125 | 74.250 |
| 1920 x 1080 i60 | 60.000 | 33.750 | 74.250 |
| 1280 x 720 | 59.855 | 44.772 | 74.500 |
| 1024 x 768 | 75.029 | 60.023 | 78.750 |
| 1280 x 800 | 59.810 | 49.702 | 83.500 |
| 1366 x 768 | 59.790 | 47.712 | 85.500 |
| 1360 x 768 | 60.015 | 47.712 | 85.500 |
| 1024 x 768 | 84.997 | 68.677 | 94.500 |
| 1440 x 900 | 59.887 | 55.935 | 106.500 |
| 1152 x 864 | 75.000 | 67.500 | 108.000 |
| 1280 x 960 | 60.000 | 60.000 | 108.000 |
| 1280 x 1024 | 60.020 | 63.981 | 108.000 |
| 1152 x 864 | 85.000 | 77.095 | 119.651 |
| 1400 x 1050 | 59.978 | 65.317 | 121.750 |
| 1280 x 800 | 84.880 | 71.554 | 122.500 |
| 1280 x 1024 | 75.025 | 79.976 | 135.000 |
| 1440 x 900 | 74.984 | 70.635 | 136.750 |
| 1680 x 1050 | 59.954 | 65.290 | 146.250 |
| 1280 x 960 | 85.002 | 85.938 | 148.500 |
| 1920 x 1080 | 60.000 | 67.500 | 148.500 |
| 1400 x 1050 | 74.867 | 82.278 | 156.000 |
| 1280 x 1024 | 85.024 | 91.146 | 157.000 |
| 1440 x 900 | 84.842 | 80.430 | 157.000 |
| 1600 x 1200 | 60.000 | 75.000 | 162.000 |

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 support.dell.com.
- 2 Verify your country or region in the **Choose A Country/Region** drop-down menu at the bottom of the page.
- 3 Click **Contact Us** on the left side of the page.
- 4 Select the appropriate service or support link based on your need.
- 5 Choose the method of contacting Dell that is convenient for you.

Appendix: Glossary

ANSI LUMENS — A standard for measuring the brightness. It is calculated by dividing a square meter image into nine equal rectangles, measuring the lux (or brightness) reading at the center of each rectangle, and averaging these nine points.

ASPECT RATIO — The most popular aspect ratio is 4:3 (4 by 3). Early television and computer video formats are in a 4:3 aspect ratio, which means that the width of the image is 4/3 times the height.

Brightness — The amount of light emitting from a display or projection display or projection device. The brightness of projector is measured by ANSI lumens.

Color Temperature — The color appearance of white light. Low color temperature implies warmer (more yellow/red) light while high color temperature implies a colder (more blue) light. The standard unit for color temperature is Kelvin (K).

Component Video — A method of delivering quality video in a format that consists of the luminance signal and two separate chrominance signals and are defined as Y'Pb'Pr' for analog component and Y'Cb'Cr' for digital component. Component video is available on DVD players.

Composite Video — A video signal that combines the luma (brightness), chroma (color), burst (color reference), and sync (horizontal and vertical synchronizing signals) into a signal waveform carried on a single wire pair. There are three kind of formats, namely, NTSC, PAL and SECAM.

Compressed Resolution — If the input images are of higher resolution than the native resolution of the projector, the resulting image will be scaled to fit the native resolution of the projector. The nature of compression in a digital device means that some image content is lost.

Contrast Ratio — Range of light and dark values in a picture, or the ratio between their maximum and minimum values. There are two methods used by the projection industry to measure the ratio:

- 1 *Full On/Off* — measures the ratio of the light output of an all white image (full on) and the light output of an all black (full off) image.
- 2 *ANSI* — measures a pattern of 16 alternating black and white rectangles. The average light output from the white rectangles is divided by the average light output of the black rectangles to determine the *ANSI* contrast ratio.

Full On/Off contrast is always a larger number than *ANSI* contrast for the same projector.

dB — decibel — A unit used to express relative difference in power or intensity, usually between two acoustic or electric signals, equal to ten times the common logarithm of the ratio of the two levels.

Diagonal Screen — A method of measuring the size of a screen or a projected image. It measures from one corner to the opposite corner. A 9 ft high, 12 ft wide, screen has a diagonal of 15 ft. This document assumes that the diagonal dimensions are for the traditional 4:3 ratio of a computer image as per the example above.

DHCP — Dynamic Host Configuration Protocol — A network protocol that enables a server to automatically assign a TCP/IP address to a device.

DLP® — Digital Light Processing™ — Reflective display technology developed by Texas Instruments, using small manipulated mirrors. Light passing through a color filter is sent to the DLP mirrors which arrange the RGB colors into a picture projected onto screen, also known as DMD.

DMD — Digital Micro-Mirror Device — Each DMD consists of thousands of tilting, microscopic aluminum alloy mirrors mounted on a hidden yoke.

DNS — Domain Name System — An internet service that translates domain names into IP addresses.

Focal Length — The distance from the surface of a lens to its focal point.

Frequency — It is the rate of repetition in cycles per seconds of electrical signals. Measured in Hz (Hertz).

HDCP — High-Bandwidth Digital-Content Protection — A specification developed by Intel™ Corporation to protect digital entertainment across digital interface, such as DVI and HDMI.

HDMI — High-Definition Multimedia Interface — HDMI carries both uncompressed high definition video along with digital audio and device control data in a single connector.

Hz (Hertz) — Unit of frequency.

Keystone Correction — Device that will correct an image of the distortion (usually a wide-top narrow-bottom effect) of a projected image caused by improper projector to screen angle.

Maximum Distance — The distance from a screen the projector can be to cast an image that is usable (bright enough) in a fully darkened room.

Maximum Image Size — The largest image a projector can throw in a darkened room. This is usually limited by focal range of the optics.

Minimum Distance — The closest position that a projector can focus an image onto a screen.



NTSC — National Television Standards Committee. North American standard for video and broadcasting, with a video format of 525 lines at 30 frames per second.

PAL — Phase Alternating Line. A European broadcast standard for video and broadcasting, with a video format of 625 lines at 25 frames per second.

Reverse Image — Feature that allows you to flip the image horizontally. When used in a normal forward projection environment text, graphics, etc. are backwards. Reverse image is used for rear projection.

RGB — Red, Green, Blue — typically used to describe a monitor that requires separate signals for each of the three colors.

S-Video — A video transmission standard that uses a 4-pin mini-DIN connector to send video information on two signal wires called luminance (brightness, Y) and chrominance (color, C). S-Video is also referred to as Y/C.

SECAM — A French and international broadcast standard for video and broadcasting, closely related to PAL but with a different method of sending color information.

SVGA — Super Video Graphics Array — 800 x 600 pixels count.

SXGA — Super Extended Graphics Array, — 1280 x 1024 pixels count.

UXGA — Ultra Extended Graphics Array — 1600 x 1200 pixels count.

VGA — Video Graphics Array — 640 x 480 pixels count.

XGA — Extended Video Graphics Array — 1024 x 768 pixels count.

WXGA — Wide Extended Graphics Array — 1280 x 800 pixels count.

Zoom Lens — Lens with a variable focal length that allows operator to move the view in or out making the image smaller or larger.

Zoom Lens Ratio — Is the ratio between the smallest and largest image a lens can project from a fixed distance. For example, a 1.4:1 zoom lens ratio means that a 10 foot image without zoom would be a 14 foot image with full zoom.

Index

Numerics

12V output 71

A

Adjusting the Projected Image 21

 Front tilt adjustment wheel 21

 Lowering the Projector Height
 21

 Raising the Projector Height 21

 Tilt adjustment wheel 21

Adjusting the Projector Focus 22

Adjusting the Projector Zoom and
Focus

 Focus tab 22

Audio Input 44

Audio Settings 44

C

Capture Screen 43

Changing the Lamp 67

Closed Caption 47

Connecting the Projector

 12V DC Plug 18

 Automatic Screen 18

 Composite video cable 14

 Connecting a Computer with a
 RS232 cable 12

 Connecting with a Component
 Cable 15

 Connecting with a Composite
 Cable 14

 Connecting with an HDMI
 Cable 16

 Connecting with an S-video
 Cable 13

 HDMI cable 16

 Power cord 10, 11, 12, 13, 14,
 15, 16, 17, 18, 19

 RJ45 cable 17

 RS232 cable 12, 19

 S-video cable 13

 To Computer 10

 USB-A to USB-B cable 10

 VGA to Component Video cable
 15

 VGA to VGA cable 10, 11

Connection Ports

 +12V DC out connector 9

 Audio output connector 9

 Audio-A input connector 9

 Audio-B left-channel input
 connector 9

 Audio-B right-channel input
 connector 9

 Composite video connector 9

 HDMI connector 9

 Microphone connector 9

 Mini USB remote connector 9

 Power cord connector 9

RJ45 connector 9
RS232 connector 9
Security bar 9
Security cable slot 9
S-video connector 9
VGA-A input (D-sub) connector 9
VGA-A output (monitor loop-through) 9
VGA-B input (D-sub) connector 9
Contact Dell 6, 64, 67
Control Panel 24

D

Dell
 contacting 74

F

Factory Reset 48

M

Main Unit 7
 Control panel 7
 Focus tab 7
 IR receivers 7
 Lens 7
Menu Position 43
Menu Settings 43
Menu Timeout 43
Menu Transparency 43

Mute 44

O

On-Screen Display 32
 Display (in PC Mode) 36
 Display (in Video Mode) 38
 Input Select 33
 Lamp 39
 Main Menu 32
 Others 42
 PICTURE (in PC Mode) 34
 Picture (in PC Mode) 34
 Picture (in Video Mode) 35
 PICTURE ADVANCED 36
 Set Up 39

P

Password 45
phone numbers 74
Power Saving 44
Power Settings 44

Q

Quick Shutdown 45

R

Remote Control 27
 IR receiver 25
Reset 44



S

Screen 43
Screen Settings 43
Security Settings 45
Speaker 44
Specifications
 Audio 69
 Brightness 69
 Color Wheel Speed 69
 Contrast Ratio 69
 Dimensions 70
 Displayable Color 69
 Environmental 70
 I/O Connectors 70
 Lamp 71
 Light Valve 69
 Noise Level 69
 Number of Pixels 69
 Power Consumption 69
 Power Supply 69
 Projection Distance 69
 Projection Lens 69
 Projection Screen Size 69
 RS232 Protocol 72
 Uniformity 69
 Video Compatibility 69
 Weight 69
support
 contacting Dell 74

Troubleshooting 62
 Contact Dell 62

V

Volume 44

T

telephone numbers 74
Test Pattern 48



Discount-Merchant.com (800) 281-8860
80 | Index
THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES



Disclaimer

This user manual is provided as a free service by FixYourDLP.com. FixYourDLP is in no way responsible for the content of this manual, nor do we guarantee its accuracy. FixYourDLP does not make any claim of copyright and all copyrights remain the property of their respective owners.

About FixYourDLP.com

FixYourDLP.com (<http://www.fixyourdlp.com>) is the World's #1 resource for media product news, reviews, do-it-yourself guides, and manuals.

Informational Blog: <http://www.fixyourdlp.com>

Video Guides: <http://www.fixyourdlp.com/guides>

User Forums: <http://www.fixyourdlp.com/forum>

FixYourDLP's Fight Against Counterfeit Lamps:

<http://www.fixyourdlp.com/counterfeits>

Sponsors:

RecycleYourLamp.org – Free lamp recycling services for used lamps:

<http://www.recycleyourlamp.org>

Lamp Research - The trusted 3rd party lamp research company:

<http://www.lampresearch.com>

Discount-Merchant.com – The worlds largest lamp distributor:

<http://www.discount-merchant.com>



FixYourDLP.com

Sponsored by 