Dell M109S Projector
User’s Guide

Model: M109S
www.dell.com | support.dell.com
About Your Projector

![Projector Image]

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<td>Control panel</td>
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<td>2</td>
<td>Focus ring</td>
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<td>3</td>
<td>Lens</td>
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⚠️ **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 projector will automatically shutdown.
3. Ensure that the projector is placed 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).

🗒️ **NOTE:** For more information, see the Product Information Guide that ships with your projector.
Connecting Your Projector

![Dell M109S Projector](image)

1 Multi-input connector

⚠️ **CAUTION:** Before you begin any of the procedures in this section, follow the Safety Instructions as described on page 6.
Connecting a Computer

Connecting a Computer using a VGA Cable

1. Multi-input cable
2. AC adapter
3. Power cord
Using Your Projector

Turning Your Projector On

**NOTE:** Turn on the projector before you turn on the source. The Power button light blinks blue until pressed.

1. Connect the multi-input cable into the projector.
2. Connect the multi-input cable with the power cord and appropriate signal cables. For information about connecting the projector, see "Connecting Your Projector" on page 7.
3. Press the Power button (see "Using the Control Panel" on page 14 to locate the Power button).
4. Turn on your source (computer, DVD player, etc.). The projector automatically detects your source.
5. The Dell Logo will continue for 10 seconds while power on.

If the "Searching for signal..." message appears on the screen, ensure that the appropriate cables are securely connected.

If you have multiple sources connected to the projector, press the Source button on the control panel to select the desired source.

Turning Your Projector Off

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

1. Press the Power button.
2. Press the Power button again. The cooling fans continue to operate for 10 seconds.
3. Disconnect the AC adapter from the multi-input cable.
4. Disconnect the multi-input cable from the projector.

**NOTE:** If you press the Power button while the projector is running, the "Press Power Button to Turn off Projector" message appears on the screen. To clear the message, press the Menu button on the control panel or ignore the message; the message disappears after 30 seconds.
Adjusting the Projector Focus

1 Rotate the focus ring until the image is clear. The projector focuses at distances ranging between 23.6" to 94.5" (60 cm to 240 cm).
2 Move the projector forward or backward to zoom in and out.

1 Focus ring
## Using the Control Panel

![Control Panel Diagram](image)

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<tr>
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<tbody>
<tr>
<td><strong>1</strong></td>
<td>Error LED △</td>
<td>If the error LED is blinking amber, one of the fans has failed. The projector will automatically shut down. If the problem persists, contact Dell™.</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>Up ▲ / Keystone adjustment □</td>
<td>Press to select the On Screen Display (OSD) items. Press to adjust image distortion caused by tilting the projector. (±20 degrees)</td>
</tr>
<tr>
<td><strong>3</strong></td>
<td>Temperature LED ◼</td>
<td>A solid amber indicates air vents might be blocked or ambient temperature over 35°C. The projector will automatically shut down. Ensure air vents are not blocked and ambient temperature is within operation range. If problem persists, contact Dell™.</td>
</tr>
</tbody>
</table>
| 4 | Right ➕ / Auto Adjust ➕ | Press to adjust the OSD setting.  
Press to synchronize the projector to the input source. **Auto Adjust** does not operate if the onscreen display (OSD) is displayed. |
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<tr>
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<tbody>
<tr>
<td>5</td>
<td>Menu ✎</td>
<td>Press to activate the OSD. Use the directional keys and the <strong>Menu</strong> button to navigate through the OSD.</td>
</tr>
</tbody>
</table>
| 6 | Down ⇓ / Keystone adjustment 📐 | Press to select the OSD items.  
Press to adjust image distortion caused by tilting the projector. (±20 degrees). |
| 7 | Power ✪ | Turn the projector on and off. For more information, see "Turning Your Projector On" on page 11 and "Turning Your Projector Off" on page 11. |
| 8 | Left ← / Source ← | Press to adjust the OSD setting.  
Press to toggle through Analog RGB and Composite sources when multiple sources are connected to the projector. |
| 9 | Enter ✓ | Press to confirm the selection item. |
DISPLAY (in PC Mode)

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

**Aspect Ratio**—Allows you to set the aspect ratio.

- 4:3 - The input source scales to fit the screen.
- Original - The input source scales to fit the screen while keeping the aspect ratio of the input source.
- Wide - The input source scales to fit the width of the screen.

Use Wide or 4:3 if you are using one of the following:

- Computer resolution greater than SVGA
- Component cable (720p/1080i/1080p)

**Digital Zoom**—Press to digitally magnify an image up to 4 times on the projection screen and press to reduce the zoomed image.

**Zoom Navigation**—Press to navigate projection screen.

**Horizontal Position**—Press to move the image to the right and to move the image to the left.

**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.
# Troubleshooting Your Projector

If you experience problems with your projector, see the following troubleshooting tips. If the problem persists, contact Dell™. See on page 27.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Solution</th>
</tr>
</thead>
</table>
| No image appears on the screen         | • Ensure that the external graphics port is enabled. If you are using a Dell™ portable computer, press [Fn] [Esc] (Fn+F8). For other computers, see your respective documentation.  
                                         | • Ensure that all the cables are securely connected. See on page 7.  
                                         | • Ensure that the pins of the connectors are not bent or broken.  
                                         | • Use Test Pattern in the Others menu. Ensure that the colors of the test pattern are correct.                                                                                                               |
| Partial, scrolling, or incorrectly displayed image | 1 Press the Auto Adjust button on control panel.  
                                                   | 2 If you are using a Dell™ portable computer, set the resolution of the computer to SVGA (800 x 600):  
                                                   |   a Right-click the unused portion of your Windows desktop, click Properties and then select Settings tab.  
                                                   |   b Verify the setting is 800 x 600 pixels for the external monitor port.  
                                                   |   c Press [Fn] [Esc] (Fn+F8). If you experience difficulty in changing resolutions or your monitor freezes, restart all the equipments and the projector.  
                                                   | If you are not using a Dell™ portable computer, see your documentation.  
<pre><code>                                               | If problem persists, upgrade your computer graphic card driver (video driver) to its latest version and test again with projector.                                                                                                         |
</code></pre>
<p>| The screen does not display your presentation | If you are using a portable computer, press [Fn] [Esc] (Fn+F8).                                                                                                                                            |</p>
<table>
<thead>
<tr>
<th>Problem (continued)</th>
<th>Possible Solution (continued)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image is unstable or flickering</td>
<td>Adjust the Tracking in the OSD Display submenu (in PC Mode only).</td>
</tr>
<tr>
<td>Image has vertical flickering bar</td>
<td>Adjust the Frequency in the OSD Display submenu (in PC Mode only).</td>
</tr>
</tbody>
</table>
| 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 Display tab.  
• Use Test Pattern in the Others 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 (23.6" [60 cm] to 94.5" [240 cm]). |
| 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 Display menu in the OSD. |
| Temperature LED 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™. |
| Error LED is blinking amber | A projector fan has failed and the projector will automatically shut down. 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 21. |