

# Dell™ S1709W Flat Panel Monitor User's Guide

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## Notes, Notices, and Cautions



**NOTE:** A NOTE indicates important information that helps you make better use of your computer.



**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.

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Model S1709Wc

April 2008 Rev. A00

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## About Your Monitor


### Dell™ S1709W Flat Panel Monitor User's Guide





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- [Product Features](#)
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## Package Contents

Your monitor comes with all the items shown below. Ensure that you have all the items. [Contact Dell™](#) if anything is missing.

 **NOTE:** Some items may be optional and may not ship with your monitor. Some features or media may not be available in certain countries.

	Monitor with stand
	Power Cable
	VGA Cable (attached to the monitor)
	<ul style="list-style-type: none"><li>1 Drivers and Documentation Media</li><li>1 Quick Setup Guide</li><li>1 Safety Information</li></ul>

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## Product Features

The **Dell™ S1709W** flat panel display has an active matrix, thin-film transistor (TFT), liquid crystal display (LCD). The monitors features include:

- Dell S1709W has a 17-inch (431.8 mm) viewable area display.
  - 1440x900 resolution, plus full-screen support for lower resolutions.
  - Wide viewing angle to allow viewing from a sitting or standing position, or while moving from side-to-side.
  - Tilt capability.
  - Removable pedestal and Video Electronics Standards Association (VESA) 100mm mounting holes for flexible mounting solutions.
  - Plug and play capability if supported by your system.
  - On-Screen Display (OSD) adjustments for ease of set-up and screen optimization.
  - Software and documentation media which includes an information file (INF), Image color Matching File (ICM), and product documentation.
  - Energy Saver feature for ENERGY STAR® compliance.
  - Security lock slot.
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## Identifying Parts and Controls

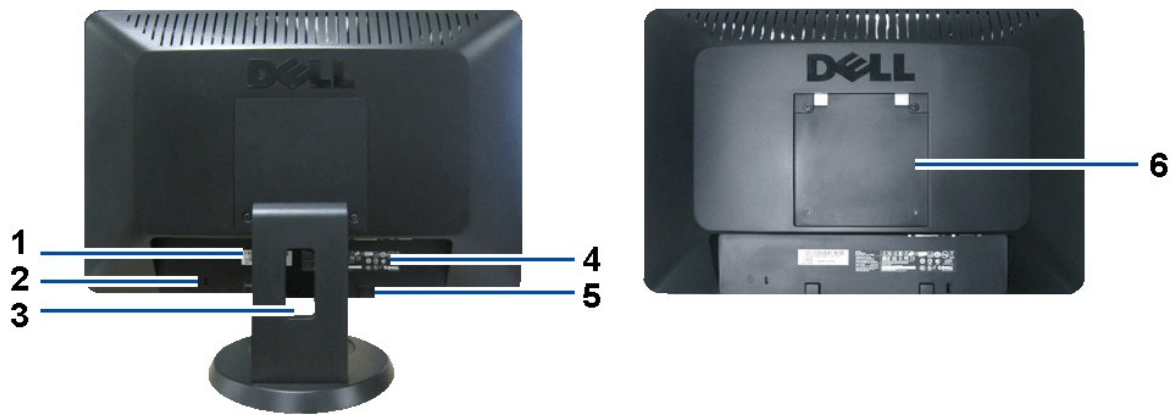
### Front view



1.	OSD menu button
2.	Brightness and Contrast/Up button
3.	Auto adjust/Down button
4.	Enter button
5.	Power On/Off button (with LED indicator)

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### Back View



Label	Description	Use
1	Serial number barcode label	To contact Dell for technical support.
2	Security lock slot	To help secure your monitor.
3	Cable management slot	To organize cables by placing them through the slot.
4	Regulatory rating label	Lists the regulatory approvals.
5	Dell Soundbar mounting brackets	To attach the optional Dell Soundbar.
6	VESA mounting holes (100mm) (Behind attached base plate)	To mount the monitor.

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### Side View



Left side

Right side

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### Bottom View



Label	Description	Use
1	AC power connector	To connect the monitor power cable.
2	VGA connector	To connect your computer to the monitor using a VGA cable.

## Monitor Specifications

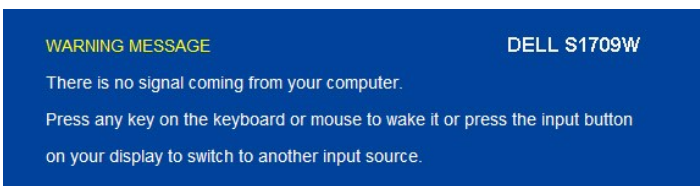
The following sections give you information about the various power management modes and pin assignments for various connectors of your monitor.

### Power Management Modes

If you have VESA's DPM compliance display card or software installed in your PC, the monitor automatically reduces its power consumption when not in use. This is referred to as *Power Save Mode*. If the computer detects input from keyboard, mouse, or other input devices, the monitor automatically resumes functioning. The following table shows the power consumption and signaling of this automatic power saving feature:

VESA Modes	Horizontal Sync	Vertical Sync	Video	Power Indicator	Power Consumption
Normal operation	Active	Active	Active	White	34 W (maximum)
Active-off mode	Inactive	Inactive	Blank	Amber	Less than 2 W
Switch off	-	-	-	Off	Less than 1 W

The OSD will only function in the *normal operation* mode. When any button except power button is pressed in Active-off mode, the following messages will be displayed:



Activate the computer and monitor to gain access to the [OSD](#).

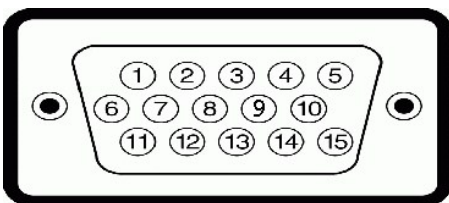
**NOTE:** Dell S1709W Flat Panel monitor is **ENERGY STAR**-compliant.

Zero power consumption in OFF mode can only be achieved by disconnecting the main cable from the monitor.



## Pin Assignments

### 15-pin D-Sub connector



Pin Number	Monitor Side of the 15-pin Side Signal Cable
1	Video-Red

2	Video-Green
3	Video-Blue
4	GND
5	Self-test
6	GND-R
7	GND-G
8	GND-B
9	DDC +5V
10	GND-sync
11	GND
12	DDC data
13	H-sync
14	V-sync
15	DDC clock

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## Plug and Play Capability

You can install the monitor in any Plug and Play-compatible system. The monitor automatically provides the computer with its Extended Display Identification Data (EDID) using Display Data Channel (DDC) protocols so that the system can configure itself and optimize the monitor settings. Most monitor installations are auto. You can select different settings if required.

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## Flat Panel Specifications

Model number	Dell S1709W Flat Panel Monitor
Screen type	Active matrix - TFT LCD
Screen dimensions	17 inches (17-inch wide viewable image size)
Preset display area:	
Horizontal	367.2mm (14.5 inches)
Vertical	229.5mm (9.04 inches)
Pixel pitch	0.255mm
Viewing angle:	
Horizontal	160° typical
Vertical	150° typical
Luminance output	250 CD/m <sup>2</sup> (typical)
Contrast ratio	600 to 1 (typical)
Faceplate coating	Anti-glare
Backlight	CCFL edgelight system
Response Time	8ms typical
Color Gamut	60% (typical)*

\*Dell S1709W Flat Panel monitor color gamut (typical) is based on CIE 1976 (65%) and CIE1931 (60%) test standards.

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## Resolution Specifications

Model number	Dell S1709W Flat Panel Monitor
Scan range	
Horizontal	30 kHz to 83 kHz (automatic)
Vertical	56 Hz to 75 Hz (automatic)
Optimal preset resolution	1440 x 900 at 60 Hz

Highest preset resolution	1440 x 900 at 60 Hz
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## Electrical Specifications

<b>Model number</b>	<b>Dell S1709W Flat Panel Monitor</b>
Video input signals	Analog RGB: 0.7 Volts +/-5%, 75 ohm input impedance
Synchronization input signals	Separate horizontal and vertical synchronizations, polarity-free TTL level, SOG (Composite SYNC on green)
AC input voltage / frequency / current	100 to 240 VAC/50 or 60 Hz $\pm$ 3 Hz/2.0A (Max.)
Inrush current	120V: 30A (Max.) 240V: 60A (Max.)

## Preset Display Modes

The following table lists the preset modes for which Dell guarantees image size and centering:

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (Horizontal/Vertical)
VESA, 720 x 400	31.5	70.1	28.3	-/+
VESA, 640 x 480	31.5	59.9	25.2	-/-
VESA, 640 x 480	37.5	75.0	31.5	-/-
VESA, 800 x 600	37.9	60.3	40.0	+/+
VESA, 800 x 600	46.9	75.0	49.5	+/+
VESA, 1024 x 768	48.4	60.0	65.0	-/-
VESA, 1024 x 768	60.0	75.0	78.8	+/+
VESA, 1152 x 864	67.5	75.0	108.0	+/+
VESA, 1280 x 1024	64.0	60.0	108.0	+/+
VESA, 1280 x 1024	80.0	75.0	135.0	+/+
VESA, 1440 x 900	55.9	60.0	106.5	-/+

## Physical Characteristics

The following table lists the monitor physical characteristics:

<b>Model Number</b>	<b>Dell S1709W Flat Panel Monitor</b>
Connector type	15-pin D-subminiature, blue connector;
Signal cable type	Analog: Detachable, D-Sub, 15pins, shipped attached to the monitor
Dimensions: (with stand)	
Height	13.52 inches (343.10 mm)
Width	16.35 inches (415.0 mm)
Depth	7.13 inches (181.03 mm)
Dimensions: (without stand)	
Height	10.75 inches (272.8 mm)
Width	16.35 inches (415 mm)
Depth	2.22 inches (56.35 mm)
Stand dimensions:	
Height	10.67 inches (270.7 mm)
Width	7.09 inches (180.03 mm)
Depth	7.09 inches (180.03 mm)

Weight with packaging	11.04 lbs (5.02 kg)
Weight with stand assembly and cables	8.62 lbs (3.92 kg)
Weight without stand assembly (For wall mount or VESA mount considerations - no cables)	6.2 lbs (2.82 kg)
Weight of stand assembly	2.07 lbs (0.94 kg)

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## Environmental Characteristics

The following table lists the environmental conditions for your monitor:

Model Number	Dell S1709W Flat Panel Monitor
Temperature	
Operating	5° to 35°C (41° to 95°F)
Non-operating	Storage: -20° to 60°C (-4° to 140°F) Shipping: -20° to 60°C(-4° to 140°F)
Humidity	
Operating	10% to 80% (non-condensing)
Non-operating	Storage: 5% to 90% (non-condensing) Shipping: 5% to 90%(non-condensing)
Altitude	
Operating	3,657.6m (12,000 ft) max
Non-operating	12,192m (40,000 ft) max
Thermal dissipation	256.08 BTU/hour (maximum) 119.5 BTU/hour (typical)

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## Maintenance Guidelines

### Caring for your Monitor

-  **CAUTION:** Read and follow the [safety instructions](#) before cleaning the monitor.
-  **CAUTION:** Before cleaning the monitor, unplug the monitor power cable from the electrical outlet.

For best practices, follow the instructions in the list below while unpacking, cleaning, or handling your monitor:

- | To clean your antistatic screen, slightly dampen a soft, clean cloth with water. If possible, use a special screen-cleaning tissue or solution suitable for the antistatic coating. Do not use benzene, thinner, ammonia, abrasive cleaners, or compressed air.
- | Use a slightly dampened, warm cloth to clean the plastics. Avoid using detergent of any kind as some detergents leave a milky film on the plastics.
- | If you notice a white powder when you unpack your monitor, wipe it off with a cloth. This white powder occurs during the shipping of the monitor.
- | **Handle your monitor with care as darker-colored monitor may scratch and show white scuff marks more than lighter-colored monitor.**
- | To help maintain the best image quality on your monitor, use a dynamically changing screen saver and power off your monitor when not in use.

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## Appendix

### Dell™ S1709W Flat Panel Monitor User's Guide

- [CAUTION: Safety Instruction](#)
  - [FCC Notice \(U.S. Only\) and other regulatory information](#)
  - [Contacting Dell](#)
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### CAUTION: Safety Instruction

For information on safety instructions, see the *Safety information* that ships with your monitor.

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### FCC Notice (U.S. Only) and other regulatory information

For FCC notices and other regulatory information, see the regulatory compliance website located at [www.dell.com/regulatory\\_compliance](http://www.dell.com/regulatory_compliance).

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### 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 more services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

1. Visit [support.dell.com](http://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.
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## Setting Up Your Monitor

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#### **If you have a Dell™ desktop or a Dell™ portable computer with internet access**

1. Go to <http://support.dell.com>, enter your service tag, and download the latest driver for your graphics card.
2. After installing the drivers for your Graphics Adapter, attempt to set the resolution to **1440x900** again.



**NOTE:** If you are unable to set the resolution to 1440x900, please contact Dell™ to inquire about a Graphics Adapter that supports these resolutions.

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## Setting Up Your Monitor

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### If you have non Dell™ desktop, portable computer, or graphic card

1. Right-click on the desktop and click **Properties**.
2. Select the **Settings** tab.
3. Select **Advanced**.
4. Identify your graphics controller supplier from the description at the top of the window (e.g. NVIDIA, ATI, Intel etc.).
5. Refer to the graphic card provider website for updated driver (for example, <http://www.ATI.com> OR <http://www.NVIDIA.com>).
6. After installing the drivers for your Graphics Adapter, attempt to set the resolution to **1440x900** again.

 **NOTE:** If you are unable to set the resolution to 1440x900, please contact the manufacturer of your computer or consider purchasing a graphics adapter that will support the video resolution of 1440x900.

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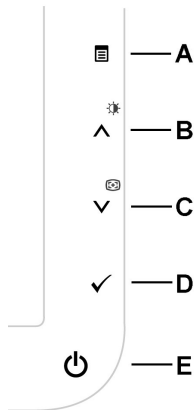
## Operating the Monitor

### Dell™ S1709W Flat Panel Monitor User's Guide



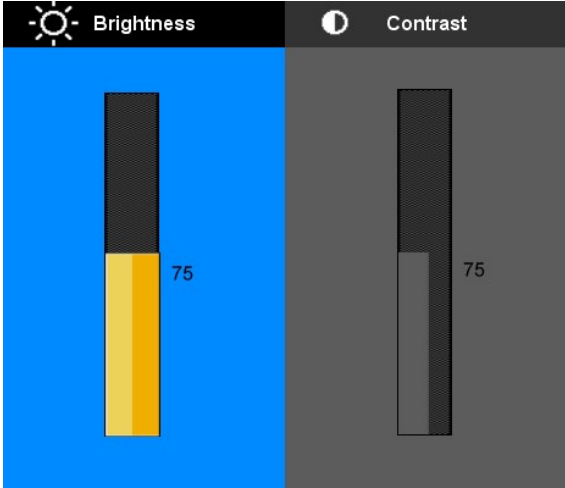

- [Using the Front Panel](#)
- [Using the OSD Menu](#)
- [Setting the Optimal Resolution](#)
- [Using the Dell Soundbar \(Optional\)](#)
- [Using the Tilt](#)





## Using the Front Panel

Use the buttons on the front of the monitor to adjust the image settings.




The following table describes the front panel buttons:

Front panel Button	Description
<p>A</p>  <p>OSD Menu/Exit</p>	<p>Use the Menu button to open and exit the on-screen display (OSD), and exit from menus and sub-menus. See <a href="#">Using the OSD Menu</a>.</p>
<p>B</p>  <p>Brightness/Contrast Hot Key</p>	<p>Use this button to directly access the "Brightness/Contrast" menu or to increase the values of the selected menu option.</p> 
<p>C</p>  <p>Auto Adjust</p>	<p>Use this button to activate automatic setup/adjustment or to decrease the values of the selected menu option.</p> <p>Auto Adjustment allows the monitor to self-adjust to the incoming video signal. After using Auto Adjustment, you can further tune your monitor by using the Pixel Clock and Phase controls under Image Settings.</p> <p>The following dialog appears on a black screen as the monitor automatically adjusts to the current input:</p>


		
D	 <b>Enter</b>	<p>Use this button to select the input source or select an OSD menu option.</p> <p><b>NOTE:</b> The floating 'Dell Self-test Feature Check' dialog appears on a black background if the monitor cannot sense a video signal. Depending upon the selected input, the following dialog boxes scroll continually on the screen.</p> <div style="text-align: center;">  </div>
E	 <b>Power Button and Indicator</b>	<p>Use the Power button to turn the monitor on and off.</p> <p>A white power light indicates that the monitor is on and fully functional. An amber power light indicates that the monitor is in power save mode.</p>


## Using the OSD Menu





 **NOTE:** If you change the monitor settings and then either proceed to another menu option, or exit the OSD menu, the monitor automatically saves the changes. Changes are also saved if you make the changes and wait for the OSD menu to disappear.


1. Press the  button to open the OSD menu and display the main menu.

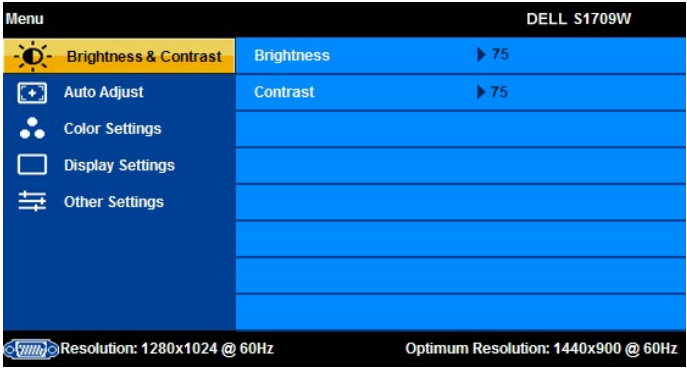

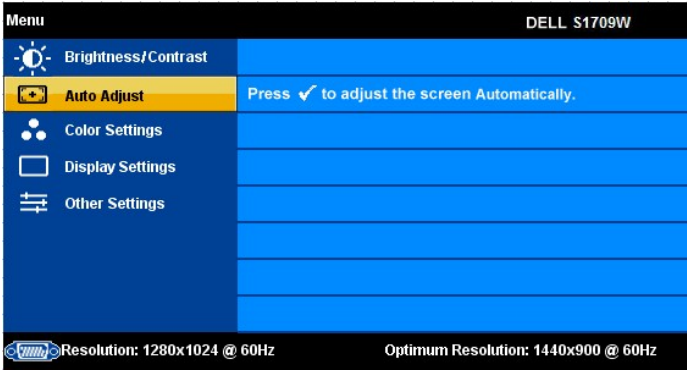

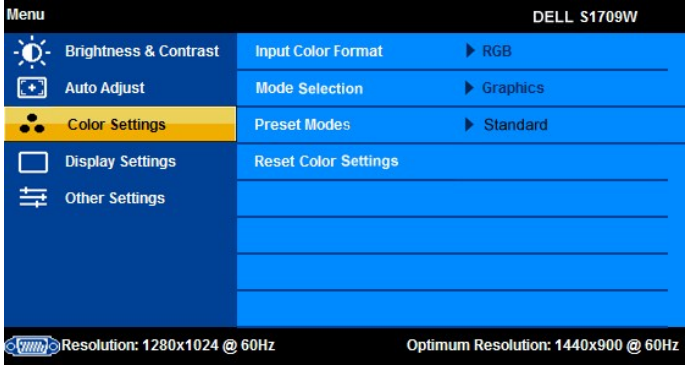


 **NOTE:** Dell S1709W Flat Panel monitor supports analog (VGA) input only.

 **NOTE:** Positioning and Image Settings are only available when you are using the analog (VGA) connector.

2. Press the **▲** and **▼** buttons to move between the setting options. As you move from one icon to another, the option name is highlighted. See the table below for a complete list of all the options available for the monitor.
3. Press the  button once to activate the highlighted option.
4. Press **▲** and **▼** button to select the desired parameter.
5. Press  to enter the slide bar and then use the **▲** and **▼** buttons, according to the indicators on the menu, to make your changes.
6. Press the  button once to return to the main menu to select another option or press the  button two or three times to exit from the OSD menu.

Icon	Menu and Submenus	Description
	<b>Brightness &amp; Contrast</b>	<p>Brightness adjusts the luminance of the backlight. Adjust <b>Brightness</b> first, then adjust <b>Contrast</b> only if further adjustn</p> <p>Press the <b>▲</b> button to increase luminance and push the <b>▼</b> button to decrease luminance (min 0 ~ max 100).</p> <p>Contrast adjusts the degree of difference between darkness and lightness on the monitor screen.</p> <p>Press the <b>▲</b> button to increase the contrast and press the <b>▼</b> button to decrease the contrast (min 0 ~ max 100).</p>

		
	<p><b>Auto Adjust</b></p>	<p>Even though your computer recognizes your monitor on startup, the Auto Adjustment function optimizes the display s particular setup.</p>  <p><b>NOTE:</b>In most cases, Auto Adjust produces the best image for your configuration.</p>
	<p><b>Color Settings :</b></p> <p><b>Input Color Format</b></p>	<p>Use the Color Settings menu to set the Input Color format and mode.</p> <p>Choose <b>RGB</b> if monitor is connected to a PC or a DVD using a VGA cable.</p> <p>Choose <b>YPbPr</b> option if monitor is connected to a DVD by a YPbPr to VGA or if the DVD color output setting is not RGB.</p>  <p><b>NOTE:</b> The Dell S1709W Flat Panel monitor supports analog (VGA) input only.</p>
	<p><b>Mode Selection</b></p> <p><b>Preset Modes</b></p>	<p>Allows you to set the display mode to <b>Graphics</b> or <b>Video</b> according to the input signal.</p> <p>Select <b>Graphics</b> if you are connecting a computer to your monitor;</p> <p>Select <b>Video</b> if you are connecting a DVD player, STB, or VCR player to your monitor.</p> <p>Allows you to set the color settings to one of the preset modes.</p>

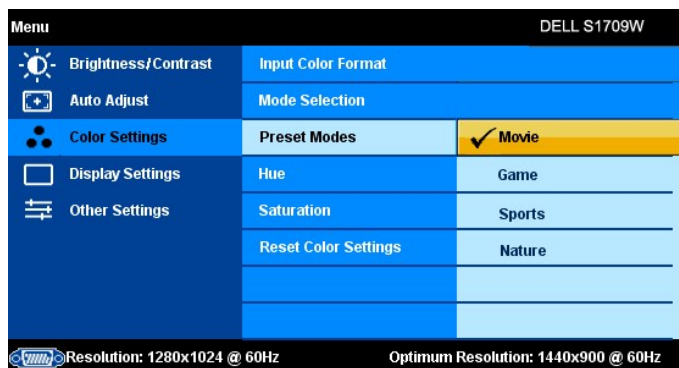
In the **Graphics** mode, you can choose one of the following preset modes: **Standard**, Multimedia, Game, Warm, Cool,

- 1 **Standard**: Allows you to utilize the flat panel's native color format.
- 1 **Multimedia**: suitable for viewing media applications like photo or video clips using your computer.
- 1 **Game**: suitable for playing games on your computer.
- 1 **Warm**: suitable for color-intensive application like image editing, movies, etc.
- 1 **Cool**: suitable for text based application like spreadsheets, programming, text editors, etc.
- 1 **Custom (RGB)**: Allows you to increase or decrease each of the three colors (RGB) independently, in single digit 100. Offers a range of 6500K colors.



In the **Video** mode, you can choose one of the following preset modes:

- 1 **Movie**: suitable for watching a movie.
- 1 **Sports**: suitable for playing a sports program.
- 1 **Game**: suitable for playing a game.
- 1 **Nature**: suitable for general picture, web, or watching TV. You can adjust the Hue (tint)/Saturation based on yo want to restore default color settings, choose Color Reset;
- 1 **Reset Color Settings**: allows you to restore the default (factory) Color settings. This setting is also the sRGB st space.



**Display Settings:**

**Horizontal Position**

Use the **Display Settings** menu to adjust the image position and sharpness.

Allows you to adjust the horizontal position of the image. Use the **▲** and **▼** buttons to move the image horizontally.

**Vertical Position**

Allows you to adjust the vertical position of the image. Use the **▲** and **▼** buttons to move the image vertically.

**Sharpness**

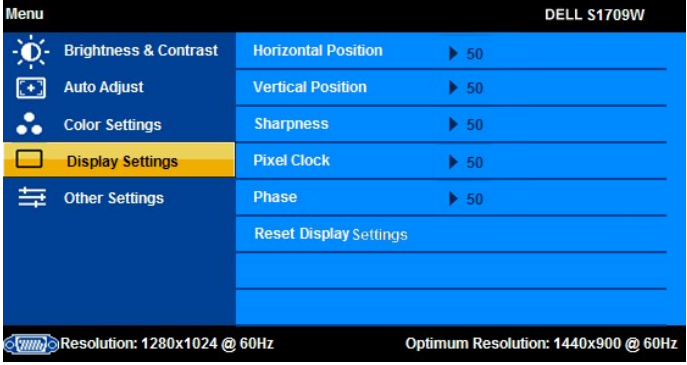


Allows you to adjust the sharpness of the image. Use the **▲** and **▼** buttons to make adjustments from 0~100.

**Pixel Clock and Phase**


Allows you to finely adjust your monitor to your preference. Use the **▲** and **▼** buttons to make the adjustments (Min 100).

If you are not satisfied with the image obtained after Phase adjustment, use Pixel Clock adjustment (Coarse) and the (fine), again.

**NOTE:** This function may change the width of the display image. Use the Horizontal Position function to center the im;

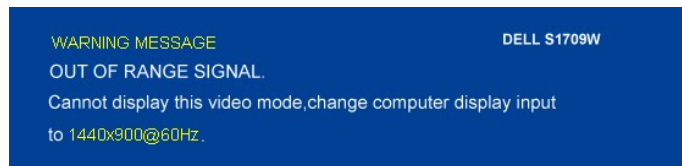
<p>Reset Display Settings</p>	 <p>Select this option to restore default display settings.</p>
<p>Other Settings :</p>	 <p>Use the <b>Other Setting</b> menu to adjust the settings of the OSD, such as, the location of the OSD, the amount of time t screen, and the rotation of the OSD, and so on.</p>
<p>Language</p>	<p>"Allows you to choose language of the OSD menu. You can choose from: English, French, Spanish, German, and Japar</p> <p><b>NOTE:</b> The change only affects the OSD. It has no effect on any software running on the computer.</p> 
<p>Menu Transparency</p>	<p>Allows you to change the menu transparency by pressing the <b>▲</b> and <b>▼</b> buttons (Minimum: 0 ~ Maximum: 100).</p>
<p>Menu Timer</p>	<p>The OSD stays active for as long as it is in use. The <b>Menu Timer</b> allows you to adjust the hold time and sets the lengt remains active after the last time you pressed a button. Use the <b>▲</b> and <b>▼</b> buttons to adjust the slider in 5 second inc seconds.</p>
<p>Menu Lock</p>	<p>Allows you to control user access to adjustments. When "Lock" is selected, all the buttons (except the menu button) :  <b>NOTE:</b> When the OSD is locked, pressing the menu button takes the user directly to the OSD settings menu. Select " allow the user to access and adjust all applicable settings.</p>




	<p><b>NOTE:</b> You can also lock or unlock the OSD by pushing and holding the  button for 15 seconds.</p>
DCC/CI	<p>Display Data Channel/Command Interface allows you to adjust the monitor parameters (brightness, color, balance, et software applications on your computer. You can disable this feature by selecting <b>Disable</b>. The following warning mes</p> <div data-bbox="727 327 1430 569" style="background-color: #0056b3; color: white; padding: 10px;"> <p style="text-align: right; margin: 0;"><b>DELL S1709W</b></p> <p style="margin: 0;">WARNING MESSAGE</p> <p style="margin: 0;">The function of adjusting display setting using PC application will be disabled.</p> <p style="margin: 0;">Do you wish to disable DDC/CI ?</p> <div style="text-align: center; margin: 0;"> <input type="button" value="No"/>   <input type="button" value="Yes"/> </div> </div> <p>Select <b>Yes</b> to disable DDC/CI and <b>No</b> to exit with out making changes.</p> <p><b>NOTE:</b> For best user experience and optimum performance of your monitor, keep this feature enabled.</p>
LCD Conditioning	<p>Helps reduce minor cases of image retention. Depending on the degree of image retention, the program may take son enable this feature by selecting <b>Enable</b>. The following error message appears:</p> <div data-bbox="727 800 1430 1068" style="background-color: #0056b3; color: white; padding: 10px;"> <p style="text-align: right; margin: 0;"><b>DELL S1709W</b></p> <p style="margin: 0;">WARNING MESSAGE</p> <p style="margin: 0;">The feature will help reduce minor cases of image retention. Depending on the degree of image retention, the program may take some time to run.</p> <p style="margin: 0;">Do you wish to continue?</p> <div style="text-align: center; margin: 0;"> <input type="button" value="No"/>   <input type="button" value="Yes"/> </div> </div> <p>Select <b>Yes</b> to start LCD conditioning and <b>No</b> to quit without making changes.</p>
Factory Reset	<p>Resets the OSD menu options to the factory preset values.</p> <p><b>Reset All Settings:</b> Changes all the user-adjustable settings including color, position, brightness, contrast, menu trans time to the factory defaults. The language of the OSD does not change.</p>

## OSD Warning Messages

The following warning messages may appear on the screen indicating that the monitor is out of synchronization.



This means that the monitor cannot synchronize with the signal that it receives from the computer. Either the signal is too high or too low for the monitor to use. See [Specifications](#) for the Horizontal and Vertical frequency ranges addressable by this monitor. Recommended mode is 1440 X 900 @ 60Hz.

 **NOTE:** The floating Dell Self-test Feature Check dialog appears on-screen if the monitor cannot sense a video signal.



 **NOTE:** The Dell S1709W Flat Panel monitor supports VGA input only.

Occasionally, no warning message appears, but the screen is blank. This could also indicate that the monitor is not synchronizing with the computer. See [General Problems](#) for more information.

---

## Setting the Optimum Resolution

1. Right-click on the desktop and select **Properties**.
2. Select the **Settings** tab.
3. Set the screen resolution to 1440 x 900.
4. Click **OK**.

If you do not see 1440 x 900 as an option, you may need to update your graphics driver. Depending on your computer, complete one of the following procedures.

If you have a Dell desktop or portable computer:

- o Go to [support.dell.com](http://support.dell.com), enter your service tag, and download the latest driver for your graphics card.

If you are using a non-Dell computer (portable or desktop):

- o Go to the support site for your computer and download the latest graphic drivers.
  - o Go to your graphics card website and download the latest graphic drivers.
- 

## Using the Dell Soundbar (Optional)

The Dell Soundbar is a stereo two channel system adaptable to mount on Dell Flat Panel Displays. The Soundbar has a rotary volume and on/off control to adjust the overall system level, a blue LED for power indication, and two audio headset jacks.



1. Power/volume control
  2. Power indicator
  3. Headphone connectors
- 

## Using the Tilt

You can tilt the monitor to best fit your viewing needs.



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## Setting Up Your Monitor

**Dell™ S1709W Flat Panel Monitor**

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### Setting the display resolution to 1440X900 (Optimal)

For optimal display performance while using the Microsoft Windows operating systems, set the display resolution to 1440 x 900 pixels by performing the following steps:

1. Right-click on the desktop and click **Properties**.
2. Select the **Settings** tab.
3. Move the slider-bar to the right by pressing and holding left-mouse button and adjust the screen resolution to **1440X900**.
4. Click **OK**.

If you do not see **1440X900** as an option, you may need to update your graphics driver. Please choose the scenario below that best describes the computer system you are using, and follow the provided directions:

**1: [If you have a Dell™ desktop or a Dell™ portable computer with internet access.](#)**

**2: [If you have non Dell™ desktop, portable computer, or graphic card.](#)**

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# Dell™ S1709W Flat Panel Monitor

- 1 [User's Guide](#)
- 1 [Setting the display resolution to 1440x900 \(Optimal\)](#)

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Model S1709Wc


April 2008 Rev. A00

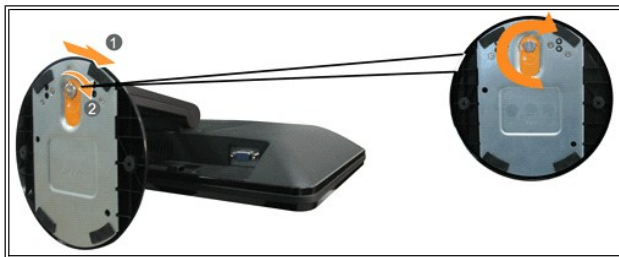
## Setting Up the Monitor

### Dell™ S1709W Flat Panel Monitor User's Guide

- [Attaching the Base](#)
  - [Connecting Your Monitor](#)
  - [Organizing Your Cables](#)
  - [Attaching the Optional Dell Soundbar](#)
  - [Removing the Base](#)
- 

### Attaching the Base


 **NOTE:** The base is detached when the monitor is shipped from the factory.



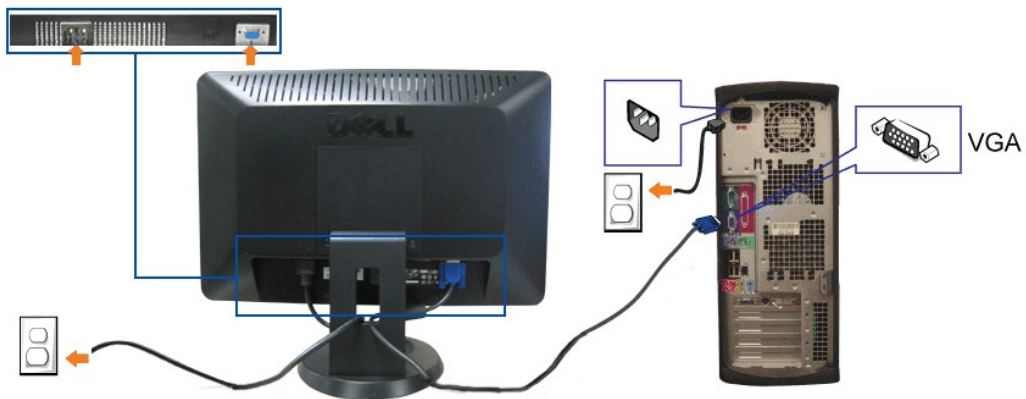
To attach the base of the stand to the monitor stand:

1. Place the monitor on a stable flat table.
  2. Align the groove on the stand base to the raiser on the monitor.
  3. Turn the thumb screw clockwise to tighten the monitor stand base and raiser.
- 

### Connecting Your Monitor

 **CAUTION:** Before you begin any of the procedures in this section, follow the [safety instructions](#).

#### Connecting Your Monitor Using a VGA Cable



1. Turn off your computer and disconnect the power cable.
2. If you are using the monitor, connect the blue VGA cable to the blue connector on the computer and monitor.

3. Connect the power cable.
  4. Turn on your monitor and computer. If you do not see an image, see [Troubleshooting your monitor](#).
- 

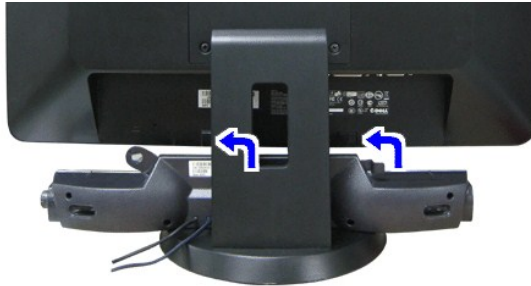
## Organizing Your Cables



After attaching all necessary cables to your monitor and computer, (See [Connecting Your Monitor](#) for cable attachment), use the cable management slot to neatly organize all cables as shown above.

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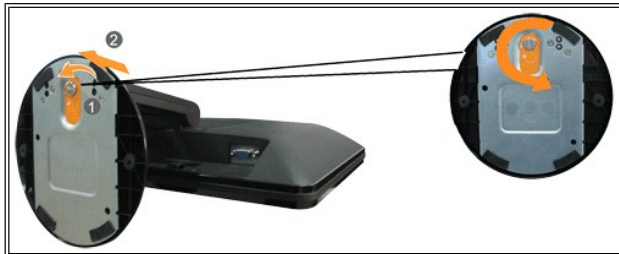
## Attaching the Optional Dell Soundbar



**NOTICE:** Do not use with any device other than Dell Soundbar.

1. Working from the rear of the monitor, attach the Soundbar aligning the two slots with the two tabs along the bottom rear of the monitor.
  2. Slide the Soundbar to the left until it snaps into place.
  3. Connect the Soundbar to the external power adapter.
  4. Insert the lime-green mini stereo plug from the rear of the Soundbar into the computer's audio output jack.
- 

## Removing the Base



To remove the base of the stand from the monitor:

1. Place the monitor panel on soft cloth or cushion on a stable flat table.
  2. Turn the thumb screw counter-clockwise to loosen the base and raiser.
  3. Detach the base away from the monitor stand raiser.
-


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## Troubleshooting

### Dell™ S1709W Flat Panel Monitor User's Guide

- [Troubleshooting Your Monitor](#)
- [General Problems](#)
- [Product Specific Problems](#)
- [Troubleshooting Your Soundbar](#)

 **CAUTION:** Before you begin any of the procedures in this section, follow the [safety instructions](#).

---

## Troubleshooting Your Monitor

### Self-Test Feature Check (STFC)

Your monitor provides a self-test feature that allows you to check whether your monitor is functioning properly. If your monitor and computer are properly connected but the monitor screen remains dark, run the monitor self-test by performing the following steps:

1. Turn off both your computer and monitor.
2. Unplug the video cable from the back of the computer or monitor. To ensure proper Self-Test operation, remove the analog (blue connector) cable from the back of computer or monitor.
3. Turn on the monitor.

The floating **Dell Self-test Feature Check** dialog box should appear on-screen on a black background if the monitor cannot sense a video signal and is working correctly. While in self-test mode, the power LED remains white. Also, depending upon the selected input, one of the dialogs shown below will continuously scroll through the screen.




This box also appears during normal system operation if the video cable becomes disconnected or damaged. Turn off your monitor and reconnect the video cable, then turn on both your computer and the monitor. If your monitor screen remains blank after you use the previous procedure, check your video controller and computer system; your monitor is functioning properly.




---


## Built-in Diagnostics

Your monitor has a built-in diagnostic tool that helps you determine if the screen abnormality you are experiencing is an inherent problem with your monitor, or with your computer system and graphic card.

 **NOTE:** You can run the built-in diagnostics only when the video cable is unplugged and the monitor is in *self-test mode*.

To run the built-in diagnostics:

1. Ensure that the screen is clean (no dust particles on the surface of the screen).
2. Unplug the video cable(s) from the back of the computer or monitor. The monitor then goes into the self-test mode.
3. Press and hold the  and  buttons on the front panel, simultaneously for 2 seconds. A gray screen appears.
4. Carefully inspect the screen for abnormalities.
5. Press the  button on the front panel again. The color of the screen changes to red.
6. Inspect the display for any abnormalities.
7. Repeat steps 5 and 6 to inspect the display in green, blue, and white colored screens.

The test is complete when the white screen appears. To exit, press the  button again.

If you do not detect any screen abnormalities upon using the built-in diagnostic tool, the monitor is functioning properly. Check the video card and computer.

---

## OSD Warning Messages

The following warning messages may appear on the screen indicating that the monitor is out of synchronization.

WARNING MESSAGE

DELL S1709W

OUT OF RANGE SIGNAL.

Cannot display this video mode, change computer display input to 1440x900@60Hz.

This means that the monitor cannot synchronize with the signal that it receives from the computer. Either the signal is too high or too low for the monitor to use. See [Monitor Specifications](#) for the Horizontal and Vertical frequency ranges addressable by this monitor. Recommended mode is 1440 X 900 @ 60Hz.

Occasionally, no warning message appears, but the screen is blank. This could also indicate that the monitor is not synchronizing with the computer or that the monitor is in power save mode.

## General Problems

The following table contains general information about common monitor problems you might encounter.

COMMON SYMPTOMS	PROBLEM DESCRIPTION	POSSIBLE SOLUTIONS
No Video/Power LED off	No picture, monitor is dead	Check connection integrity at the both ends of the video cable, verify that the monitor and computer are plugged into a working electrical outlet, and that you have pressed the power button.
No Video/Power LED on	No picture or no brightness	<ul style="list-style-type: none"> <li>1 Press the input select button in the front of the monitor and ensure the correct input source is selected.</li> <li>1 Increase brightness &amp; contrast controls.</li> <li>1 Perform monitor self-test feature check.</li> <li>1 Check for bent or broken pins on the end of the video cable.</li> <li>1 Reboot your computer and monitor.</li> <li>1 Run the built-in diagnostics.</li> </ul>
Poor Focus	Picture is fuzzy, blurry, or ghosting	<ul style="list-style-type: none"> <li>1 Push Auto Adjust button.</li> <li>1 Adjust Phase and Clock controls via OSD.</li> <li>1 Eliminate video extension cables.</li> <li>1 Perform monitor reset.</li> <li>1 Lower video resolution or increase font size.</li> </ul>
Shaky/Jittery Video	Wavy picture or fine movement	<ul style="list-style-type: none"> <li>1 Push Auto Adjust button.</li> <li>1 Adjust Phase and Clock controls via OSD.</li> <li>1 Perform monitor reset.</li> <li>1 Check environmental factors.</li> <li>1 Relocate and test in another room.</li> </ul>
Missing Pixels	LCD screen has spots	<ul style="list-style-type: none"> <li>1 Cycle power on-off</li> <li>1 These are pixels that are permanently off and this is a natural defect that occurs in LCD technology.</li> <li>1 Run the built-in diagnostics.</li> </ul>
Brightness Problems	Picture too dim or too bright	<ul style="list-style-type: none"> <li>1 Perform monitor reset.</li> <li>1 Push Auto Adjust button.</li> <li>1 Adjust brightness &amp; contrast controls.</li> </ul>
Geometric Distortion	Screen not centered correctly	<ul style="list-style-type: none"> <li>1 Perform monitor reset on "Position Settings Only".</li> <li>1 Push Auto Adjust button.</li> <li>1 Adjust the centering controls.</li> <li>1 Ensure monitor is in proper video mode.</li> </ul>
Horizontal/Vertical Lines	Screen has one or more lines	<ul style="list-style-type: none"> <li>1 Perform monitor reset.</li> <li>1 Push Auto Adjust button.</li> <li>1 Adjust Phase and Clock controls via OSD.</li> <li>1 Perform monitor self-test feature check and determine if these lines are also in self-test mode.</li> <li>1 Check for bent or broken pins.</li> <li>1 Run the built-in diagnostics.</li> </ul>
Sync Problems	Screen is scrambled or appears torn	<ul style="list-style-type: none"> <li>1 Perform monitor reset.</li> <li>1 Push Auto Adjust button.</li> <li>1 Adjust Phase and Clock controls via OSD.</li> <li>1 Perform monitor self-test feature check to determine if scrambled screen appears in self-test mode.</li> <li>1 Check for bent or broken pins.</li> <li>1 Boot up in the "safe mode".</li> </ul>
LCD Scratched	Screen has scratches or smudges	<ul style="list-style-type: none"> <li>1 Turn monitor off and clean the screen.</li> <li>1 For cleaning instruction, see <a href="#">Caring for your Monitor</a>.</li> </ul>
Safety Related Issues	Visible signs of smoke or sparks	<ul style="list-style-type: none"> <li>1 Do not perform any troubleshooting steps.</li> <li>1 Monitor needs to be replaced.</li> </ul>
Intermittent Problems	Monitor malfunctions on and off	<ul style="list-style-type: none"> <li>1 Ensure monitor is in proper video mode.</li> <li>1 Ensure video cable connection to computer and to the flat panel is secure.</li> </ul>

		<ul style="list-style-type: none"> <li>1 Perform monitor reset.</li> <li>1 Perform monitor self-test feature check to determine if the intermittent problem occurs in self-test mode.</li> </ul>
Image Retention (from a static image)	Faint Shadow from the static image displayed appears on the screen	<ul style="list-style-type: none"> <li>1 Use the Power Management feature to turn off the monitor at all times when not in use. Alternatively, use a dynamically changing screen saver left on the monitor for a long period of time.</li> </ul>

## Product Specific Problems

SPECIFIC SYMPTOMS	WHAT YOU EXPERIENCE	POSSIBLE SOLUTIONS
Screen image is too small	Image is centered on screen, but does not fill entire viewing area.	<ul style="list-style-type: none"> <li>1 Perform monitor reset on "All Settings."</li> </ul>
Cannot adjust the monitor with the buttons on the front panel	OSD does not appear on the screen.	<ul style="list-style-type: none"> <li>1 Turn off the monitor, unplug the power cord and then plug back and turn on the monitor.</li> </ul>

## Troubleshooting Your Soundbar

COMMON SYMPTOMS	WHAT YOU EXPERIENCE	POSSIBLE SOLUTIONS
No Sound	No power to Soundbar, the power indicator is off. (built-in DC power supply.)	<ul style="list-style-type: none"> <li>1 Turn the Power/Volume knob on the Soundbar clockwise to the middle position; check if the power indicator (green LED) on the front of the Soundbar is illuminated.</li> <li>1 Confirm that the power cable from the Soundbar is plugged into the adapter.</li> </ul>
No Sound	Soundbar has power - power indicator is on.	<ul style="list-style-type: none"> <li>1 Plug the audio line-in cable into the computer's audio out jack.</li> <li>1 Set all Microsoft® Windows® volume controls to their maximum.</li> <li>1 Play some audio content on the computer (i.e. audio CD, or MP3).</li> <li>1 Turn the Power/Volume knob on the Soundbar clockwise to a higher volume setting.</li> <li>1 Clean and reseat the audio line-in plug.</li> <li>1 Test the Soundbar using another audio source (i.e. portable CD player).</li> </ul>
Distorted Sound	Computer's sound card is used as the audio source.	<ul style="list-style-type: none"> <li>1 Clear any obstructions between the Soundbar and the user.</li> <li>1 Confirm that the audio line-in plug is completely inserted into the jack of the sound card.</li> <li>1 Set all Windows volume controls to their midpoints.</li> <li>1 Decrease the volume of the audio application.</li> <li>1 Turn the Power/Volume knob on the Soundbar counter-clockwise to a lower volume setting.</li> <li>1 Clean and reseat the audio line-in plug.</li> <li>1 Troubleshoot the computer's sound card.</li> <li>1 Test the Soundbar using another audio source (i.e. portable CD player).</li> </ul>
Distorted Sound	Other audio source is used.	<ul style="list-style-type: none"> <li>1 Clear any obstructions between the Soundbar and the user.</li> <li>1 Confirm that the audio line-in plug is completely inserted into the jack of the audio source.</li> <li>1 Decrease the volume of the audio source.</li> <li>1 Turn the Power/Volume knob on the Soundbar counter-clockwise to a lower volume setting.</li> <li>1 Clean and reseat the audio line-in plug.</li> </ul>
Unbalanced Sound Output	Sound from only one side of Soundbar.	<ul style="list-style-type: none"> <li>1 Clear any obstructions between the Soundbar and the user.</li> <li>1 Confirm that the audio line-in plug is completely inserted into the jack of the sound card or audio source.</li> <li>1 Set all Windows audio balance controls (L-R) to their midpoints.</li> <li>1 Clean and reseat the audio line-in plug.</li> <li>1 Troubleshoot the computer's sound card.</li> <li>1 Test the Soundbar using another audio source (i.e. portable CD player).</li> </ul>
Low Volume	Volume is too low.	<ul style="list-style-type: none"> <li>1 Clear any obstructions between the Soundbar and the user.</li> <li>1 Turn the Power/Volume knob on the Soundbar clockwise to the maximum volume setting.</li> <li>1 Set all Windows volume controls to their maximum.</li> <li>1 Increase the volume of the audio application.</li> <li>1 Test the Soundbar using another audio source (i.e. portable CD player).</li> </ul>

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