

# Dell™ S199WFP 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 S199WFP

August 2007 Rev. A00

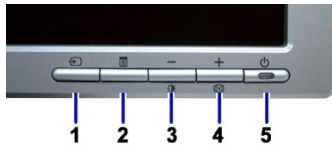
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## About Your Monitor

### Dell™ S199WFP Flat Panel Monitor User's Guide

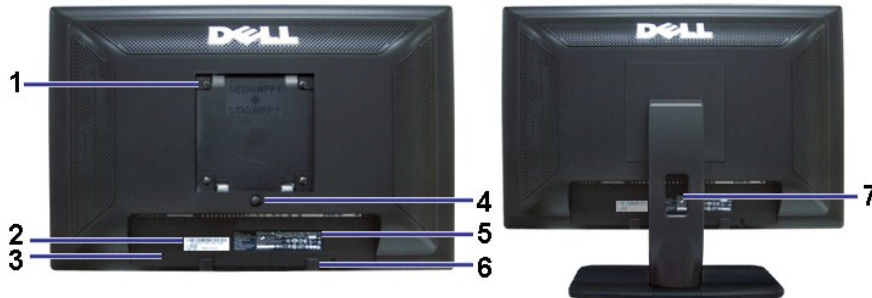
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### Front View



1.	Input signal select button
2.	OSD menu / Select button
3.	Brightness and Contrast / Down (-) button
4.	Auto-adjust / Up (+) button
5.	Power On / Off button (with LED indicator)

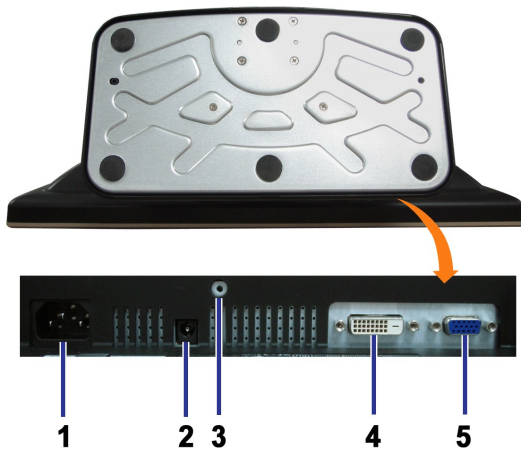
### Back View



1	VESA mounting holes (100mm) (Behind attached base plate)	Use to mount the monitor.
2	Barcode serial number label	Refer to this label if you need to contact Dell for technical support.

3	Security lock slot	Use a security lock with the slot to help secure your monitor.
4	Stand removal button	Press to release the stand.
5	Regulatory rating label	List the regulatory approvals.
6	Dell Soundbar mounting brackets	Attach the optional Dell Soundbar.
7	Cable holder	Help organize cables by placing them through the holder.

## Bottom View



1	Power connector	Insert the power cable.
2	Dell Soundbar power connector	Connect the power cord for the Soundbar (optional).
3	Stand anti-theft feature	Mount a 3*8 screw to make the stand undetachable.
4	DVI connector	Connect your computer DVI cable.
5	VGA connector	Connect your computer VGA cable.

## Side View



Left side

Right side

## Monitor Specifications

## 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. The monitor automatically resumes functioning when the system detects input from the keyboard, mouse or other input device. 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 (with Dell Soundbar active)	Active	Active	Active	Blue	75 W (maximum)
Normal operation	Active	Active	Active	Blue	32 W (typical)
Active-off mode	Inactive	Inactive	Blanked	Amber	Less than 2 W
Switch off	-	-	-	Off	Less than 1 W

**NOTE:** The OSD only functions in the normal operation mode. One of the following messages appears when the Menu or Plus buttons are pressed when in Active-off mode.

<p>1 : Auto Detect (Analog Input)</p> <p>In Power Save Mode</p> <p>Press computer power button or any key on keyboard or move mouse</p>	or	<p>1 : Auto Detect (Digital Input)</p> <p>In Power Save Mode</p> <p>Press computer power button or any key on keyboard or move mouse</p>
<p>2: Analog Input</p> <p>In Power Save Mode</p> <p>Press computer power button or any key on keyboard or move mouse</p>	or	<p>3: Digital Input</p> <p>In Power Save Mode</p> <p>Press computer power button or any key on keyboard or move mouse</p>

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

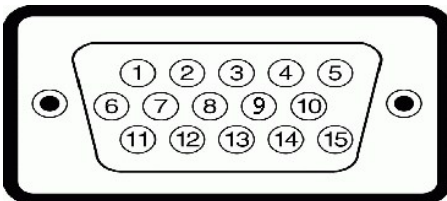
This monitor is ENERGY STAR®-compliant as well as TCO '99 power management compatible.



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

## Pin Assignments

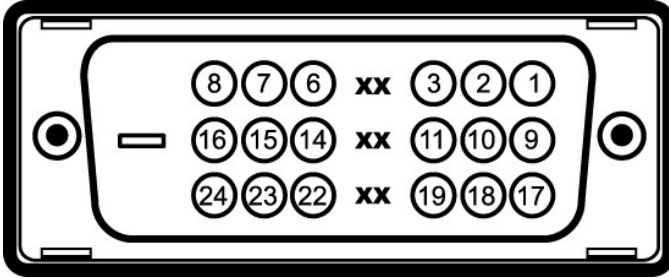
### 15-pin D-Sub connector



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

### 24-pin Digital-only DVI Connector



Note: Pin 1 is at the top right.

Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	T.M.D.S. Data 2-	9	T.M.D.S. Data 1-	17	T.M.D.S. Data 0-
2	T.M.D.S. Data 2+	10	T.M.D.S. Data 1+	18	T.M.D.S. Data 0+
3	T.M.D.S. Data 2 Shield	11	T.M.D.S. Data 1 Shield	19	T.M.D.S. Data 0 Shield
4	No Pin	12	No Pin	20	No Pin
5	No Pin	13	No Pin	21	No Pin
6	DDC Clock	14	+5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	Ground (for +5V)	23	T.M.D.S. Clock +
8	No Connect	16	Hot Plug Detect	24	T.M.D.S. Clock -

## 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 using Display Data Channel (DDC) protocols so that the system can configure itself and optimize the monitor settings. Most monitor installations are automatic. You select different settings if required.

## General

Model number S199WFP

## Flat Panel

Screen type	Active matrix - TFT LCD
Screen dimensions	19 inches wide(19-inch wide viewable image size)
Preset display area:	
Horizontal	408mm / 16.1inches (minimum)
Vertical	255mm / 10.0 inches (minimum)
Pixel pitch	~ 0.2850mm
Viewing angle	160° (vertical) typ, 160° (horizontal) typ
Luminance output	300 CD/m <sup>2</sup> (typ)
Contrast ratio	1000 to 1 (typ)
Faceplate coating	ARC-Glare (2H)
Backlight	CCFL (4) edgelight system
Response Time	5ms typical

## Resolution

Horizontal scan range	30 kHz to 83 kHz (automatic)
Vertical scan range	56 Hz to 75 Hz (automatic)
Optimal preset resolution	1440 x 900 at 60 Hz
Highest preset resolution	1440 x 900 at 75 Hz
Video Display Capabilities (DVI HD Playback)	480i/576i/1080i/480p/576p/720p/1080p(Supports HDCP)

## 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	70.0	28.3	-/+
VESA, 640 x 480	31.5	60.0	25.2	-/-
VESA, 640 x 480	37.5	75.0	31.5	-/-
VESA, 800 x 600	37.9	60.3	49.5	+/+
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	+/+
VESA, 1280 x 1024	64.0	60.0	135.0	+/+
VESA, 1280 x 1024	80.0	75.0	135.0	+/+
VESA, 1440 x 900	55.9	60.0	106.5	-/+

## Electrical

The following table lists the monitor electrical feature:

Video input signals	Analog RGB, 0.7 Volts +/-5%, positive polarity at 75 ohm input impedance Digital DVI-D TMDS, 600mV for each differential line, positive polarity at 50 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.)

## Physical Characteristics

The following table lists the monitor physical characteristics:

Connector type	15-pin D-subminiature, blue connector; DVI-D, white connector
Signal cable type	Digital: Detachable, DVI-D, Solid pins, shipped detached from the monitor Analog: Detachable, D-Sub, 15pins, shipped attached to the monitor
Dimensions (with stand)	
Height	14.42 inches (366.21 mm)
Width	17.59 inches (446.72 mm)
Depth	5.81 inches (147.65 mm)
Dimensions: (without stand)	
Height	11.52 inches (292.5 mm)
Width	17.59 inches (446.72 mm)
Depth	2.32 inches (59.00 mm)

Stand dimensions:	
Height	11.04 inches (280.31 mm)
Width	10.43 inches (264.84 mm)
Depth	5.81 inches (147.65 mm)
Weight with packaging	15.66lbs (7.1 kg)
Weight with stand assembly and cables	12.79 lbs (5.8 kg)
Weight without stand assembly (For wall mount or VESA mount considerations - no cables)	8.16 lbs (3.7 kg)
Weight of stand assembly	2.87 lbs (1.3 kg)

## Environmental

The following table lists the environmental condition for monitor:

Temperature	
Operating	5° to 35°C (41° to 95°F)
Nonoperating	Storage: -20° to 60°C (-4° to 140°F) Shipping: -20° to 60°C(-4° to 140°F)
Humidity	
Operating	10% to 80% (noncondensing)
Nonoperating	Storage: 5% to 90% (noncondensing) Shipping: 5% to 90%(noncondensing)
Altitude	
Operating	3,657.6m (12,000 ft) max
Nonoperating	12,192 m (40,000 ft) max
Thermal dissipation	256.08 BTU/hour (maximum) 119.5 BTU/hour (typical)

## 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.

- 1 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 coating. Do not use benzene, thinner, ammonia, abrasive cleaners, or compressed air.
- 1 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.
- 1 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.
- 1 Handle your monitor with care as darker-colored monitor may scratch and show white scuff marks more than lighter-colored monitor.
- 1 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™ S199WFP Flat Panel Monitor User's Guide

- [FCC Notice \(U.S. Only\)](#)
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### FCC Notice (U.S. Only)

FCC Class B

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause interference with radio and television reception. This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1 This device may not cause harmful interference.
- 2 This device must accept any interference received, including interference that may cause undesired operations:

 **NOTICE:** The FCC regulations provide that changes or modifications not expressly approved by Dell Inc. could void your authority to operate this equipment.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- 1 Reorient the receiving antenna.
- 1 Relocate the system with respect to the receiver.
- 1 Move the system away from the receiver.
- 1 Plug the system into a different outlet so that the system and the receiver are on different branch circuits.

If necessary, consult a representative of Dell Inc. or an experienced radio/television technician for additional suggestions.

The following information is provided on the device or devices covered in this document in compliance with the FCC regulations:

- 1 Product Name : S199WFP
- 1 Model number : S199WFP
- 1 Company Name :

Dell Inc.

Worldwide Regulatory Compliance & Environmental Affairs

One Dell Way Round Rock, TX 78682 USA 512-338-4400

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### CAUTION: Safety Instruction

For information on safety instructions, see the *Product Information Guide*.

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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**
  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.
- 

## Your Monitor Set-up Guide

To view PDF files (files with an extension of **.pdf**), click the document title. To save PDF files (files with an extension of **.pdf**) to your hard drive, right-click the document title, click **Save Target As** in Microsoft® Internet Explorer or **Save Link As** in Netscape Navigator, and then specify a location on your hard drive to which you want to save the files.

[Setup Guide \(.pdf\)](#) (3.32 MB)

 NOTE: PDF files require Adobe® Acrobat® Reader®, which can be downloaded from the Adobe website at [to view a PDF file](#), launch Acrobat Reader. Then click File->Open and select the PDF file.

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## Setting Up Your Monitor

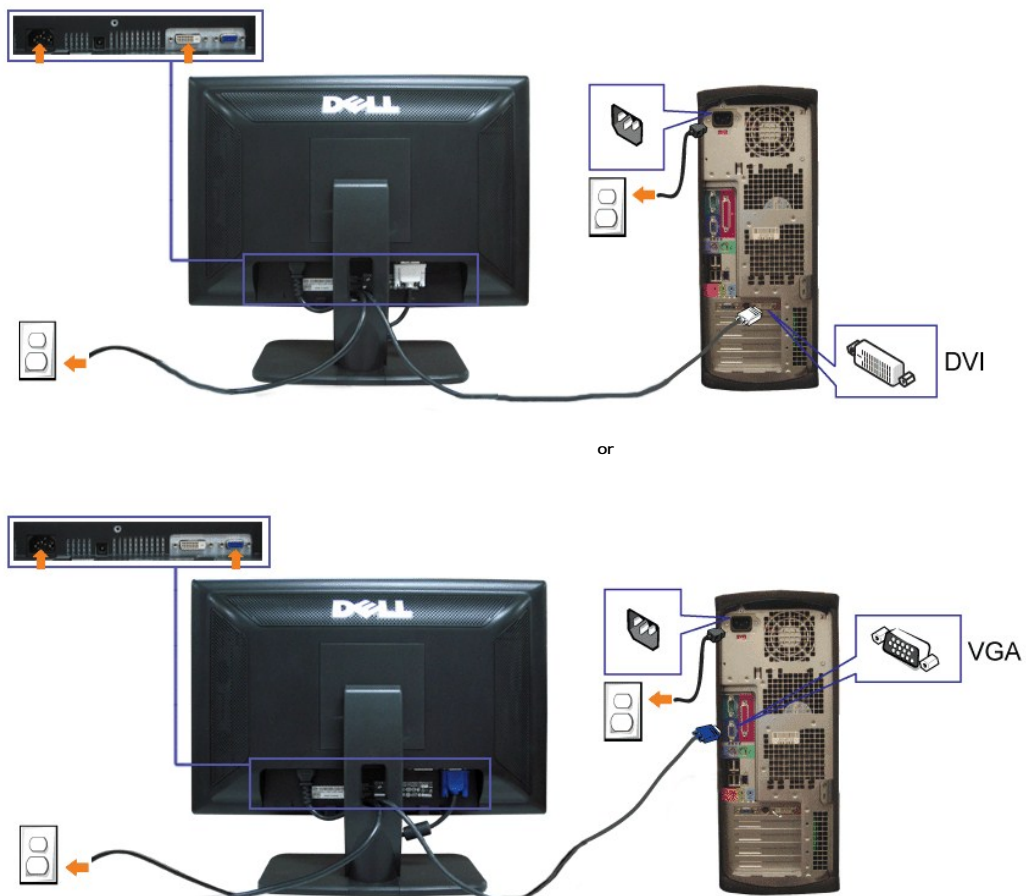
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- [Connecting Your Monitor](#)
- [Using the Front Panel](#)
- [Using the OSD Menu](#)
- [Setting the Optimal Resolution](#)
- [Using the Dell Soundbar \(Optional\)](#)

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## Connecting Your Monitor

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

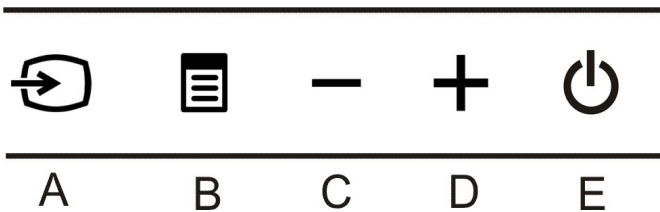


1. Turn off your computer and disconnect the power cable.
2. Connect either the white DVI or the blue VGA cable to the connectors on the computer and the monitor.
3. Connect the power cable.
4. Turn on your monitor and computer. If you do not see an image, press the input select button and ensure the correct input source is selected. If you still do not see an image, see [Troubleshooting your monitor](#).






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## 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:

A	 Input select	<p>Use the Input Select button to choose between two different video signals that may be connected to your monitor.</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, one of the dialogs shown below will scroll continually.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>DELL™</b></p> <p>1: Auto Detect (Analog Input) Self Test Feature Check</p> <p>Red</p> <p>Green</p> <p>Blue</p> <p>White</p> </div> <p>or</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>DELL™</b></p> <p>1: Auto Detect (Digital Input) Self Test Feature Check</p> <p>Red</p> <p>Green</p> <p>Blue</p> <p>White</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>DELL™</b></p> <p>2: Analog Input Self Test Feature Check</p> <p>Red</p> <p>Green</p> <p>Blue</p> <p>White</p> </div> <p>or</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>DELL™</b></p> <p>3: Digital Input Self Test Feature Check</p> <p>Red</p> <p>Green</p> <p>Blue</p> <p>White</p> </div> </div>
B	 OSD menu / select	<p>The Menu button is used 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>
C and D	 Down (-) and Up (+)	<p>Use these buttons to adjust (decrease/increase ranges) items in the OSD menu.</p>
E	 Power Button and Indicator	<p>Use the power button to turn the monitor on and off.</p> <p>The Blue light indicates the monitor is on and fully functional. An amber light indicates power save mode.</p>

## Using the OSD Menu

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

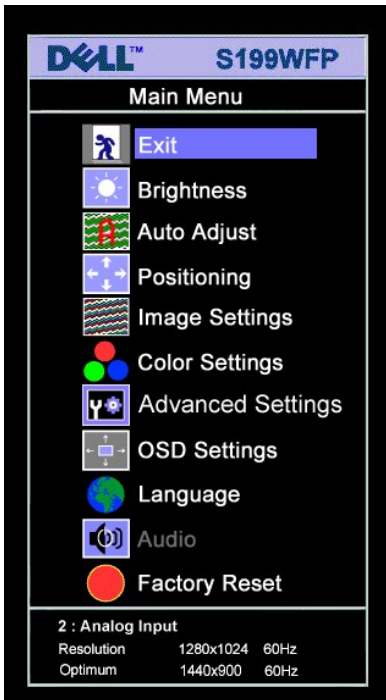
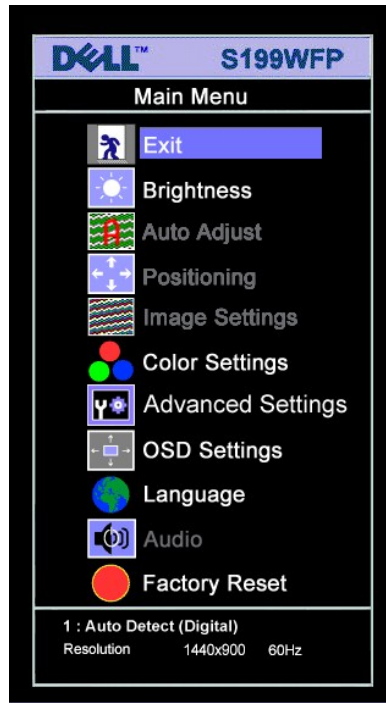
1. Press the Menu button to open the OSD menu and display the main menu.

Main Menu for Analog (VGA) Input

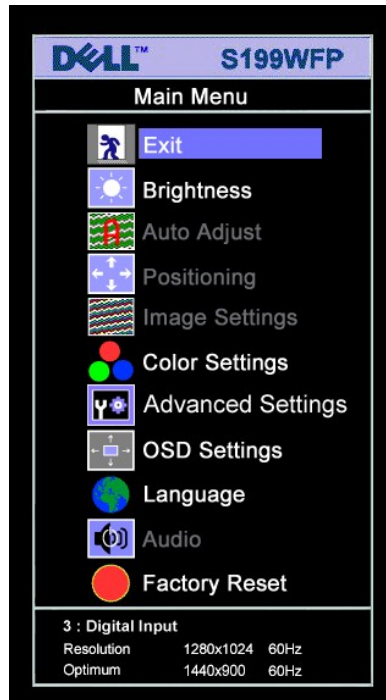
Main Menu for Digital (DVI) Input



or





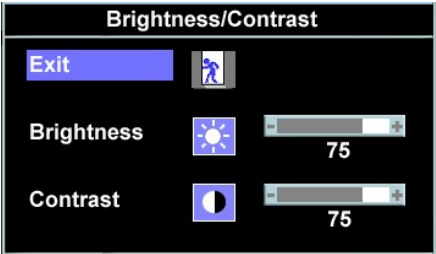

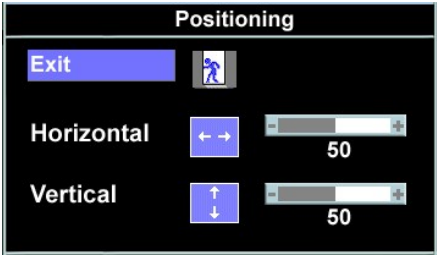

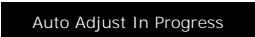

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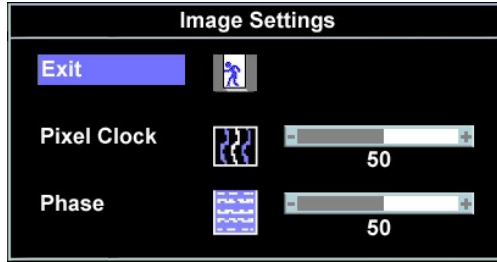


**NOTE:** Positioning and Image Settings are only available when you are using the analog (VGA) connector.

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 MENU button once to activate the highlighted option.
4. Press - and + button to select the desired parameter.
5. Press MENU 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 MENU button once to return to the main menu to select another option or press the MENU button two or three times to exit from the OSD menu.

Icon	Menu and Submenus	Description
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	<b>Exit</b>	Select to exit the Main menu.
	<b>Brightness/Contrast</b>	<p>Brightness adjusts the luminance of the backlight.</p> <p>Adjust <b>Brightness</b> first, then adjust <b>Contrast</b> only if further adjustment is necessary.</p> <p>Push the + button to increase luminance and push the - 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>Push the + button to increase the contrast and push the - button to decrease the contrast (min 0 ~ max 100).</p> <div data-bbox="797 464 1230 716" style="text-align: center;">  </div>
	<b>Positioning: Horizontal Vertical</b>	<p>Positioning moves the viewing area around on the monitor screen.</p> <p>When making changes to either the Horizontal or Vertical settings, no changes occur to the size of the viewing area. image shifts in response to your selection.</p> <p>Minimum is 0 (-) and maximum is 100 (+).</p> <div data-bbox="802 890 1235 1142" style="text-align: center;">  </div> <p><b>NOTE:</b> When using DVI source, the Positioning option is not available.</p>
	<b>Auto Adjust</b>	<p>Even though your computer recognizes your monitor on startup, the Auto Adjustment function optimizes the display for use with your particular setup.</p> <p>Select to activate automatic setup and adjustment. The following dialog appears on a black screen as the monitor se adjusts to the current input:</p> <div data-bbox="893 1325 1146 1360" style="text-align: center;">  </div> <p>Auto Adjustment allows the monitor to self-adjust to the incoming video signal. After using Auto Adjustment, you can tune your monitor by using the Pixel Clock (Coarse) and Phase (Fine) controls under Image Settings.</p> <p>In most cases, Auto Adjust produces the best image for your configuration.</p> <p><b>NOTE:</b> When using DVI, Auto Adjust is not available.</p>
	<b>Image settings</b> <b>Pixel Clock (Coarse)</b>  <b>Phase (Fine)</b>	<p>The Phase and Pixel Clock adjustments allow you to more closely adjust your monitor to your preference. Select Image Settings in the main OSD menu to access these settings.</p> <p>Use the - and + buttons to make adjustments. (Minimum: 0 ~ Maximum: 100)</p> <p>If satisfactory results are not obtained using the Phase adjustment, use Pixel Clock (Coarse) and then use Phase (fine) again.</p> <p><b>NOTE:</b> This function may change the width of the display image. Use the Horizontal function of the Position menu to center the display image on the screen.</p>



**NOTE:** When using DVI source, the Image Settings option is not available.



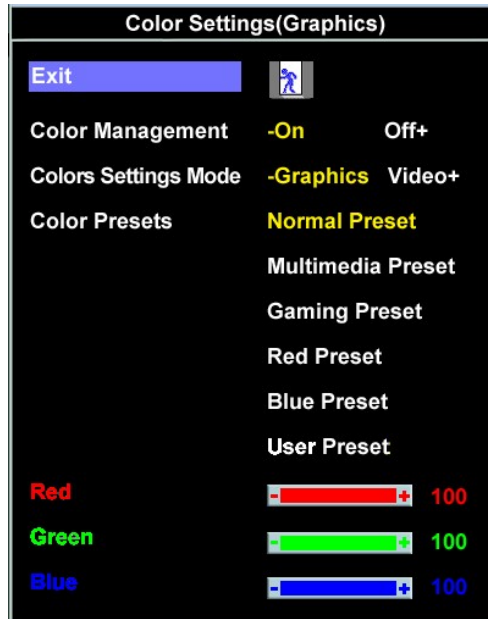
**Color Settings**

Color Settings adjusts the color temperature.

Under the model, you can choose Graphics or Video according to what signal input. If PC connect to your monitor, please choose Graphics; if DVD or STB or VCR connected to your monitor, Video is recommended. To disable Color Management there are four modes, Normal Preset, Red Preset, Blue Preset, User Preset can be chosen;

- 1 If you prefer a warm color, choose Red Preset;
- 1 If you prefer a cool color, choose Blue Preset;

You can adjust the monitor color using User Preset, R, G, B. Normal Preset mean color temperature 6500K.

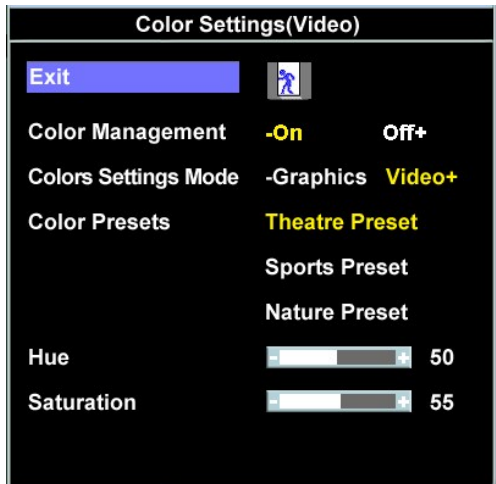


- Blue Preset
- Red Preset
- Normal Preset
- User Preset

- 1 As soon as choose Graphics, you can choose Normal Preset, Multimedia Preset, Gaming Preset, Red Preset, Blue or User Preset;
- 1 If you play game in PC, choose Gaming Preset;
- 1 If you view media application like photo, clip etc via PC, choose Multimedia Preset;
- 1 If you prefer a warm color, choose Red Preset;
- 1 If you prefer a cool color, choose Blue Preset;

You can adjust the monitor color using User Preset, R, G, B. Normal Preset mean color temperature 6500K.

- 1 There are three video modes: Theater Preset, Sports Preset and Nature Preset;
- 1 For playing movie, Theater Preset can be chosen;
- 1 For playing sport program, Sports Preset is recommended;
- 1 For general picture or web or watch TV, choose Nature Preset. User can adjust the Hue(Tint)/Saturation based the preference.

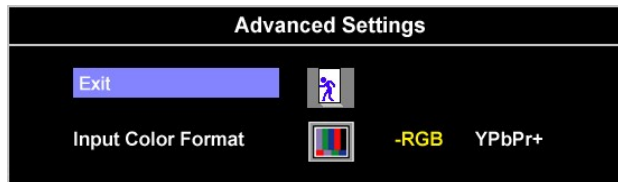


- 1 Blue Preset is selected to obtain a bluish tint. This color setting is used for text based applications (spreadshe programming, text editors, etc.).
- 1 Red Preset is selected to obtain a reddish tint. This color setting is used for color-intensive applications (photo image editing, multimedia, movies, etc.).
- 1 Normal Preset is selected to obtain the default (factory) color settings. This setting is also the "sRGB" standard default color space.
- 1 User Preset: Use the plus and minus buttons to increase or decrease each of the three colors (R, G, B) independently, in single digit increments, from 0 to 100.



**Advanced Settings**  
Input Color Format

Choose the RGB option if monitor is connected to a PC or a DVD using a VGA or a DVI cable. Choose the YPbPr+ option if monitor is connected to a DVD by a YPbPr cable.



**OSD Settings**

Adjust the settings for the OSD, including the location, the amount of time the menu remains on the screen, and the rotation of the OSD.

Position of the OSD:

- 1 To adjust the horizontal position of the OSD, use the - and + buttons, and move OSD to the left and right.
- 1 To adjust the vertical position of the OSD, use the - and + buttons, and move OSD down and up.

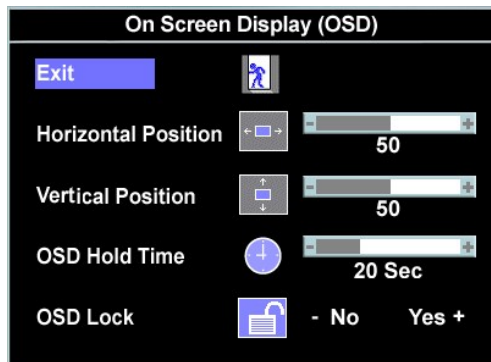
OSD Hold Time:

The OSD stays active for as long as it is in use. Adjusting the hold time, sets the length of time the OSD remains active the last time you pressed a button. Use the - and + buttons to adjust the slider in 5 second increments, from 5 to 60 seconds.

OSD Lock:

Controls user access to adjustments. When Yes (+) is selected, no user adjustments are allowed. All buttons except Menu button are locked.

**NOTE:** When the OSD is locked, pressing the menu button takes the user directly to the OSD settings menu, with Lock selected. Select No (-) to unlock and allow user access to all applicable settings.



**NOTE:** You can also lock or unlock the OSD by pushing and holding the Menu button for 15 seconds.



### Language

Select to have the OSD display in one of five languages (English, French, Spanish, German, or Japanese).



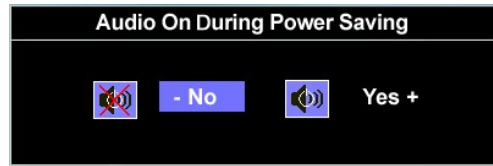
**NOTE:** The change only affects the OSD. It has no effect on any software running on the computer.



### Audio (optional)

You can select to have the audio on or off when the monitor is in power saving mode.

**Yes** — enables audio  
**No** — disables audio (default)

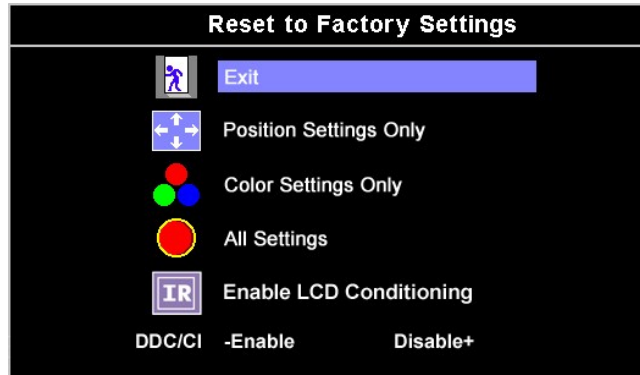


**NOTE:** When the Dell Soundbar is not properly connected to the monitor, the audio menu is not available.



### Factory Reset

Resets the OSD menu options to the factory preset values.



**Exit** — Select to exit out of Reset to Factory Settings menu without resetting any OSD options.

**Position settings only** — Change the settings for Image Position back to original factory settings.

**Color settings only** — Change the Red, Green, and Blue settings back to their original factory settings and set the d setting for Normal Preset.

**All settings** — Change all the user-adjustable settings including color, position, brightness, contrast, and OSD hold t the factory defaults. The language of the OSD does not change.

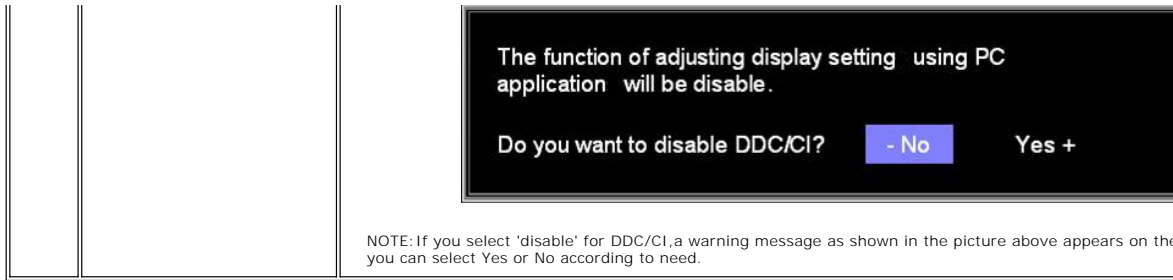
**IR** (Image Retention) — The feature helps reduce minor cases of image retention.

**DDC/CI** (Display Data Channel/Command Interface) — allows you to adjust the monitor parameters (brightness, col balance, etc.) through software applications on your computer.

Select Disable to disable this feature.

For best user experience and optimum performance of your monitor, keep this feature enabled.

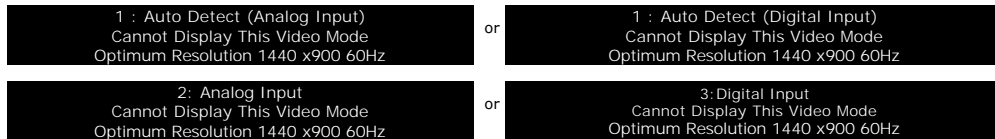




NOTE: If you select 'disable' for DDC/CI, a warning message as shown in the picture above appears on the screen. you can select Yes or No according to need.

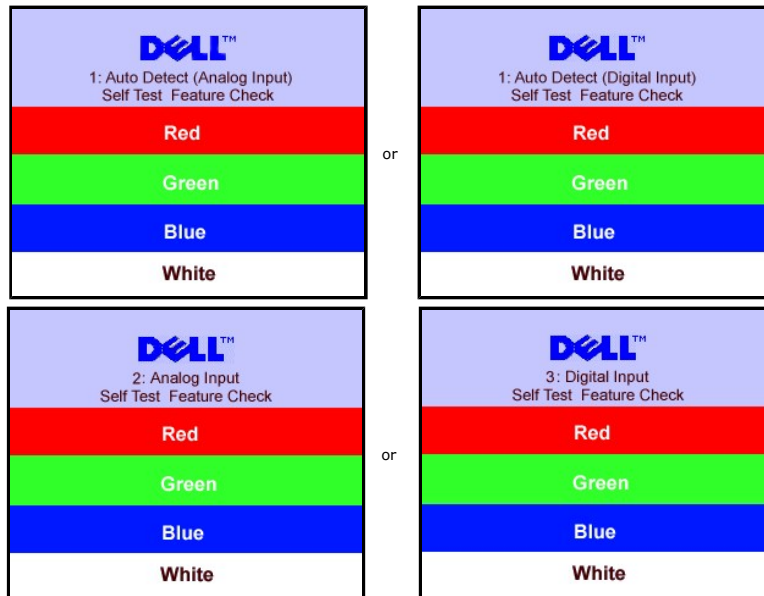
## OSD Warning Messages

One of 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 is receiving 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.



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

See [Solving Problems](#) for more information.

## Setting the Optimal 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:

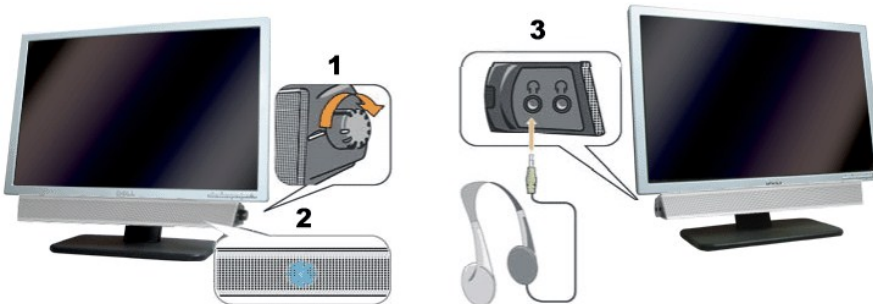
- o Go to [support.dell.com](http://support.dell.com), enter your service tag, and download the latest driver for your graphics card.
- 

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.

## Attaching 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

## Attaching the Dell Soundbar



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

**NOTE:** Soundbar Power Connector +12V DC output is for optional Dell Soundbar only.

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 power cord from the Soundbar to the Dell Soundbar power connector on the monitor.
  4. Insert the lime-green mini stereo plug from the rear of the Soundbar into the computer's audio output jack.
- 

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## Solving Problems

### Dell™ S199WFP 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](#).

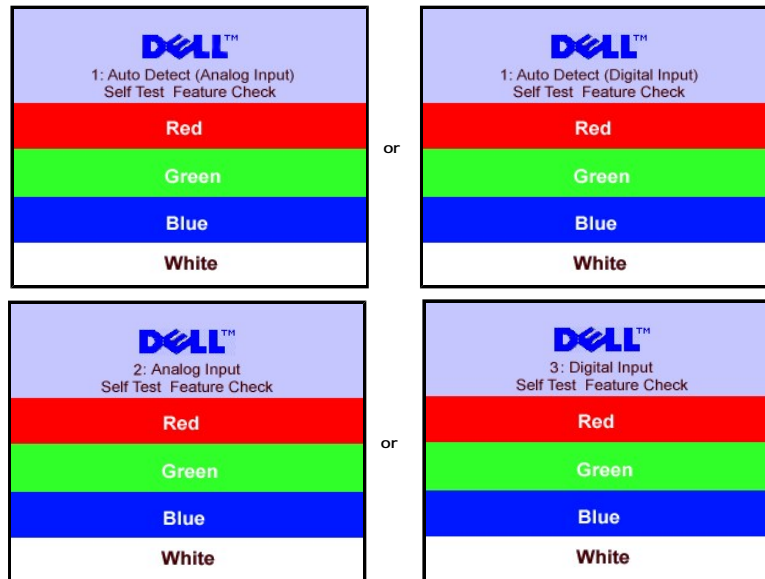
## Troubleshooting Your Monitor

### 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. To ensure proper Self-Test operation, remove both Digital (white connector) and the Analog (blue connector) cables from the back of computer.
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 green. Also, depending upon the selected input, one of the dialogs shown below will continuously scroll through the screen.

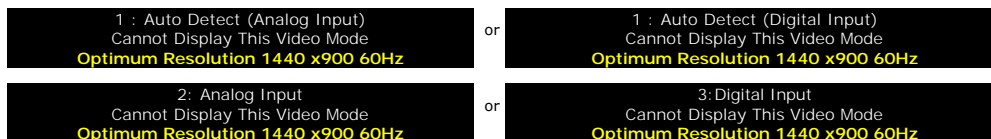


4. This box also appears during normal system operation if the video cable becomes disconnected or damaged.
5. Turn off your monitor and reconnect the video cable, then turn on both your computer and the monitor.

If your monitor screen remains blank after you use the previous procedure, check your video controller and computer system; your monitor is functioning properly.

### OSD Warning Messages

One of 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 is receiving 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> </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> </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> </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> <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, i.e. 1905FP )	<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 monitor.</li> <li>1 Confirm that the monitor has power.</li> <li>1 If the monitor has no power, see <a href="#">Troubleshooting your monitor</a> for monitor common problem.</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 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 reseal 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 reseal 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 reseal 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 reseal 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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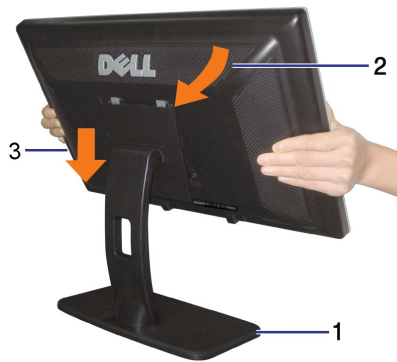
## Using Your Monitor Stand

Dell™ S199WFP Flat Panel Monitor User's Guide

- [Attaching the Stand](#)
  - [Organizing Your Cables](#)
  - [Using the Tilt](#)
  - [Removing the Stand](#)
- 

### Attaching the Stand

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



To attach the stand:

1. Place the stand on a flat surface.
  2. Fit the groove on the back of the monitor onto the two tabs on the stand.
  3. Lower the monitor so that the monitor mounting area snaps on/locks to the stand.
- 

### Organizing Your Cables

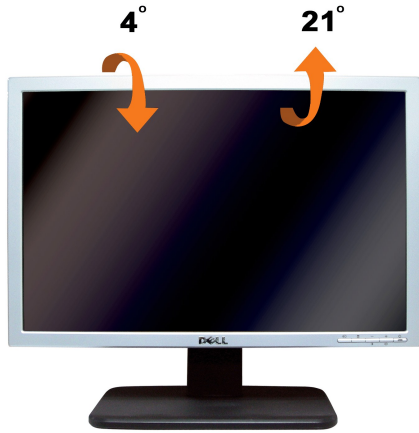


After attaching all necessary cables to your monitor and computer, (See [Connecting Your Monitor](#) for cable attachment.) use the cable holder to neatly organize all cables as shown above.

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### Using the Tilt

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



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## Removing the Stand



After placing the monitor panel on soft cloth or cushion, complete the following steps to remove the stand.

1. Place the monitor on a stable flat table.
2. Lift the stand away from the monitor while pressing the stand release button.

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