Dell™ 2208WFP AIO Flat Panel Monitor For Dell OptiPlex™ SFF Computer

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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 2208WFPf

August 2008 Rev. A00

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About Your Monitor

Dell™ 2208WFP AIO Flat Panel Monitor For Dell OptiPlex™ SFF Computer

- Package Contents
- Product Features
- Identifying Parts and Controls
- Monitor Specifications
- Plug and Play Capability
- Universal Serial Bus (USB) Interface
- Maintenance Guidelines

Package Contents

Your monitor ships with the components shown below. Ensure that you have received all the components and contact Dell if something 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
	• Stand

	• Cable Cover
	• Power Cable
	• DVI Cable
	• VGA cable (attached to the monitor)
	• USB up stream cable (enables the USB ports on the monitor)
	• Drivers and Documentation media • Quick Setup Guide • Safety Information • Stand Template sheet

Product Features

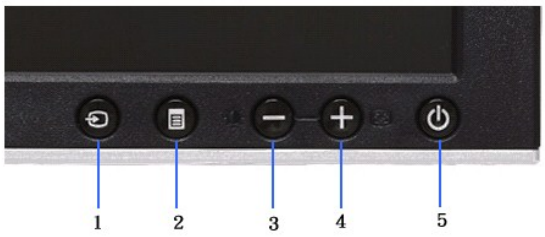
The **2208WFP SFF AIO** flat panel display has an active matrix, thin-film transistor (TFT), liquid crystal display (LCD). The monitor features include:

- 22-inch (573.6 mm) viewable area display (Measured diagonally) .
- 1680x1050 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.
- 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.
- Removable pedestal and Video Electronics Standards Association (VESA) 100 mm mounting holes for flexible mounting solutions.
- Monitor stand integrating a Dell OptiPlex™ Small Form Factor computer, cable cover and monitor in an All-In-One configuration.
- Tilt, swivel and vertical extension adjustment capabilities.
- Single step auto engagement and removal of computer and cable cover from the monitor stand.
- Lockable cable cover helps cable arrangement and prevents cable theft.
- Large and comfortable retractable handle provides system portability.
- Cable management clip on the back of stand to route cables.
- Security lock slots on monitor and stand.
- Provision of screw holes below stand base allow desktop mounting for added security.

Identifying Parts and Controls

Front View

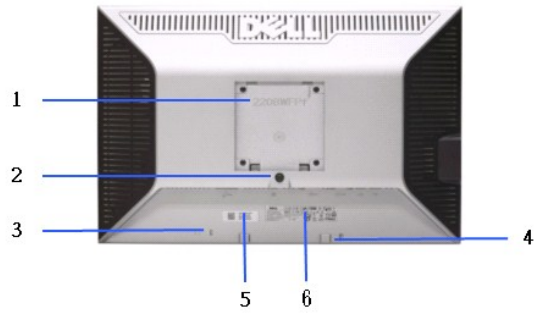
Front View



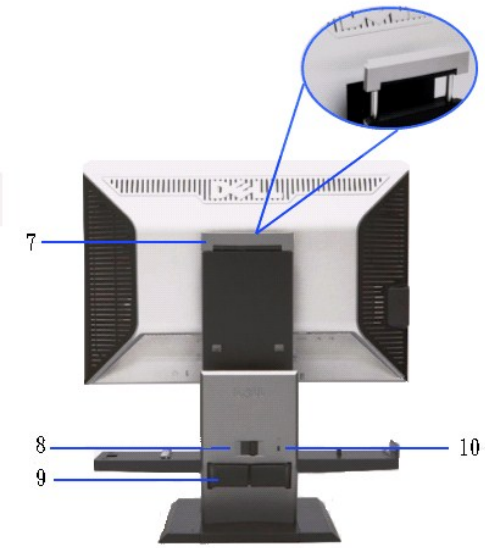
Front panel controls

Label	Description
1	Input Source select
2	OSD Menu/Select button
3	Brightness & Contrast/Down (-) button
4	Auto-adjust/Up (+) button
5	Power button (with power light indicator)

Back View



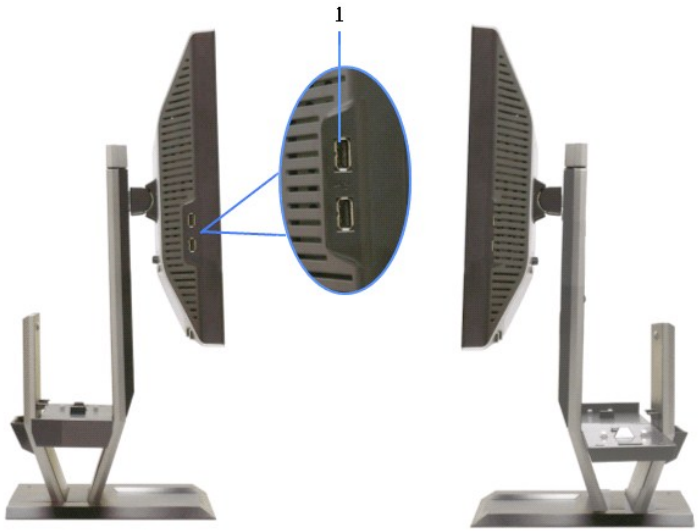
Back View



Back View with monitor stand

Label	Description	Use
1	VESA mounting holes (100mm) (Behind attached base plate)	Wall mount monitor using VESA compatible wall mount kit (100mm x 100mm)
2	Stand removeal button	Releases stand from monitor.
3	Monitor security lock slot	Secures monitor with security lock
4	Dell Soundbar mounting brackets	Attaches the optional Dell Soundbar.
5	Barcode serial number label	Contact Dell for technical support.
6	Regulatory rating label	Lists the regulatory approvals.
7	Auto retractable handle	Enable full monitor and computer system transportability.
8	Unlock switch	Releases computer and cable cover from stand.
9	Cable management clip	Organizes cables
10	Stand security lock slot	Secures computer and cable cover with security lock

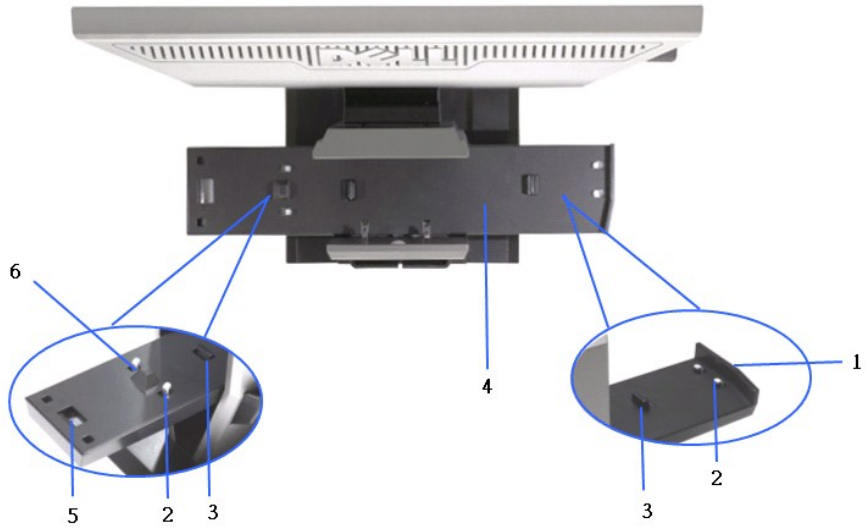
Side View



Left view **Right view**

Label	Description	Use
1	USB downstream ports	Connect your USB devices

Top View

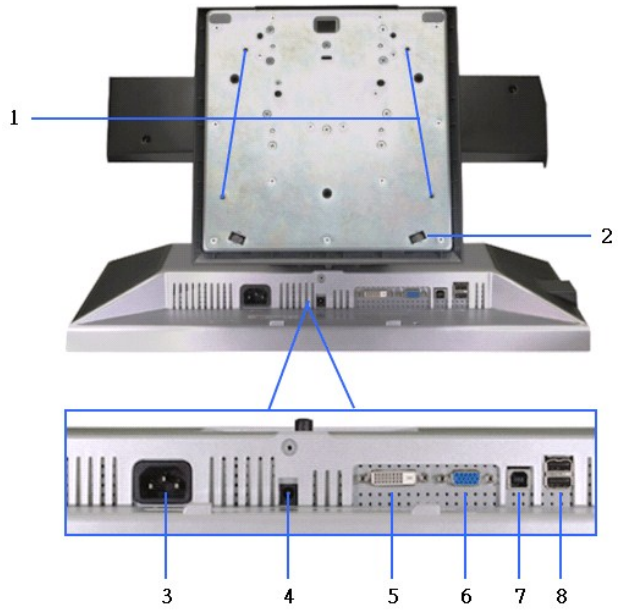


Top view

Label	Description	Use
1	Computer alignment feature	Matches the front contour of computer.
2	Chassis hooks	Locks computer onto stand.
3	Hook trigger	Detects when computer is on stand and engages chassis hooks.
4	Computer platform	Supports computer and cable cover on stand.
5	Cable cover latch	Releasecable cover from stand.

6	Computer alignment ramp	Matches the front contours of computer.

Bottom View



Bottom view

Label	Description	Use
1	Desktop mount screw holes (4x)	To mount stand on desktop foradded security
2	Swivel rollers	To swivel monitor
3	Power connector	Connect the power cable
4	Dell Soundbar power connector	Connect the power cord for the Soundbar (optional)
5	DVI connector	Connect your computer DVI cable
6	VGA connector	Connect your computer VGA cable
7	USB upstream connector	Connect the USB cable that came with your monitor to the monitor and the computer. Once this cable is connected you can use the USB connectors on the side and bottom of the monitor.
8	USB downstream connectors	Connect your USB devices. You can only use this connector after you have connected the USB cable to the computer and USB upstream connector on the monitor.

Monitor Specifications

Flat Panel Specifications

Screen type	Active matrix - TFT LCD
Panel type	TN
Screen dimensions	22 inches (22-inch viewable image size)
Preset display area:	473.76(H)X296.1(V)
Horizontal	473.76 mm (18.7 inches)
Vertical	296.1 mm (11.7 inches)
Pixel pitch	0.282 mm

Viewing angle	160° (vertical) typical, 160° (horizontal) typical
Luminance output	300 CD/m²(typical)
Contrast ratio	1000 to 1 (typical)
Faceplate coating	Antiglare with hard-coating 3H
Backlight	CCFL (4) edgelight system
Response Time	5 ms typical
Color Gamut	102%*

*[2208W SFF AIO] color gamut (typical) is based on CIE1976 (102%) and CIE1931 (92%) test standards.

Resolution Specifications

Horizontal scan range	30 kHz to 83 kHz (automatic)
Vertical scan range	56 Hz to 75 Hz (automatic)
Optimal preset resolution	1680 X 1050 at 60 Hz

Highest preset resolution	1680 x 1050 at 75 Hz

Supported Video Modes

Video display capabilities (DVI playback)	480i/480p/576i/576p/720p/1080i/1080P (Supports HDCP)

Preset Display Modes

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	60.0	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	135.0	+/+
VESA, 1280 x 1024	80.0	75.0	135.0	+/+
VESA, 1680 x 1050	65.2	60.0	146.3	-/+
VESA, 1680 x 1050	64.6	60.0	119.0	+/-

Electrical Specifications

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 ± 3 Hz/2.0A (Max.)
Inrush current	120 V: 42 A (Max.) 240 V: 80 A (Max.)

Physical Characteristics

Connector type	15-pin D-subminiature, blue connector; DVI-D, white connector
	Digital: Detachable, DVI-D, Solid pins, shipped detached from the monitor

Signal cable type	Analog:Detachable, D-Sub, 15pins, shipped attached to the monitor
Dimensions (with stand)	
Height (Extended)	20.75 inches (527.04mm)
Height (Compressed)	17.21 inches (437.04 mm)
Width	20.13 inches (511.41mm)
Depth	10.07 inches (255.75 mm)
Dimensions (without stand)	
Height	13.19 inches (334.94 mm)
Width	20.13 inches (511.41 mm)
Depth	2.56 inches (65.00 mm)
Stand dimensions	
Height (handle extended)	18.09 inches (459.38 mm)
Height (handle retracted)	16.92 inches (429.66 mm)
Width	16.85 inches (428.06 mm)
Depth	10.07 inches (255.75 mm)
Weight	
Weight with packaging	27.86 lbs (12.65 kg)
Weight with stand assembly and cables	21.63 lbs (9.82kg)
Weight without stand assembly (For wall mount or VESA mount considerations - no cables)	10.15 lbs (4.61 kg)
Weight of stand assembly	11.26 lbs (5.11 kg)

Environmental Characteristics

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)

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Appendix

Dell™ 2208WFP AIO Flat Panel Monitor For Dell OptiPlex™ SFF Computer

- Safety Instructions
- FCC Notice (U.S. Only) and Other Regulatory Information
- Contacting Dell

CAUTION: Safety Instructions

CAUTION: Use of controls, adjustments, or procedures other than those specified in this documentation may result in exposure to shock, electrical hazards, and/or mechanical hazards.

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

FCC Notices (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.

Contacting Dell

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

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

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

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

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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 **1680x1050** again.

NOTE: If you are unable to set the resolution to 1680x1050, please contact Dell™ to inquire about a Graphics Adapter that supports these resolutions.

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If you have a non Dell™ desktop, portable computer, or graphics 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 **1680X1050** again.

NOTE: If you are unable to set the resolution to 1680x1050, please contact the manufacturer of your computer or consider purchasing a graphics adapter that will support the video resolution of 1680x1050.

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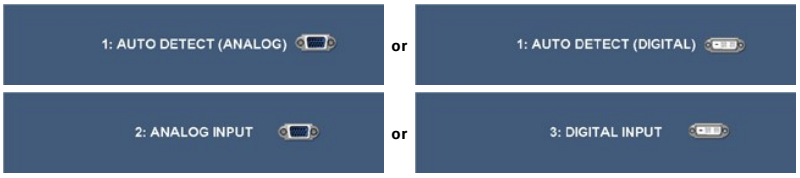
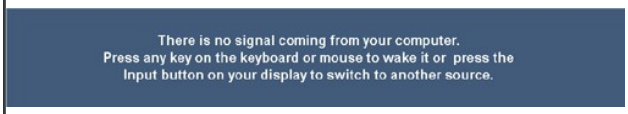
Operating the Monitor

Dell™ 2208WFP AIO Flat Panel Monitor For Dell OptiPlex™ SFF Computer

- Using the Front Panel Controls
- Using the On-Screen Display (OSD) Menu
- Using the Dell Soundbar (Optional)
- Operating the Adjustable Stand

Using the Front Panel

Use the control buttons on the front of the monitor to adjust the characteristics of the image being displayed. As you use these buttons to adjust the controls, an OSD shows the numeric values of the characteristics as they change.

	Front panel Button	Description
A	**Input Source Select / Select**	Use this button to select the input source or select an OSD menu option. Use the Input source button to select one of the two different video signals that may be connected to your monitor: ▪ VGA input ▪ DVI-D input  If either VGA or DVI-D input is selected and both VGA and DVI-D cables are not connected, a floating dialog box as shown below appears. If either S-Video or Composite input is selected and both cables are not connected or the video source is turned off, the screen does not display an image. If any button is pressed (except power button), the monitor displays the following message: 
B	**Menu**	Use the MENU button to launch the on-screen display (OSD) and select the OSD Menu. See Accessing the Menu System.
C	**Brightness&Contrast / Adjust UP**	Use this button to directly access the "Brightness/Contrast" menu or to increase the values of the selected menu option.
D	**Automatic Adjust / Adjust Down**	Use Auto Adjust to activate automatic setup/adjustment or to decrease the values of the selected menu option. The following dialog appears on a black screen as the monitor self-adjusts to the current input: 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 (Coarse) and Phase (Fine) controls under Image Settings. **NOTE**: Auto Adjust does not occur if you press the button while there are no active video input signals or attached cables.
E	**Power (with power light indicator)**	Use the Power button to turn the monitor on and off. The green LED indicates the monitor is on and fully functional. An amber LED indicates DPMS power save mode.

Using the On-Screen Display (OSD) Menu

Accessing the Menu System

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. Push the MENU button to launch the OSD menu and display the main menu.

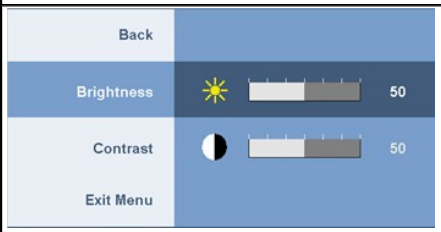
Main Menu for Analog (VGA) Input

or

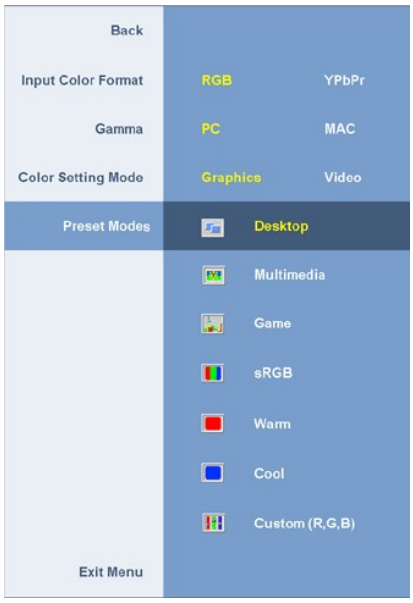
Main Menu for non Analog (non VGA) Input

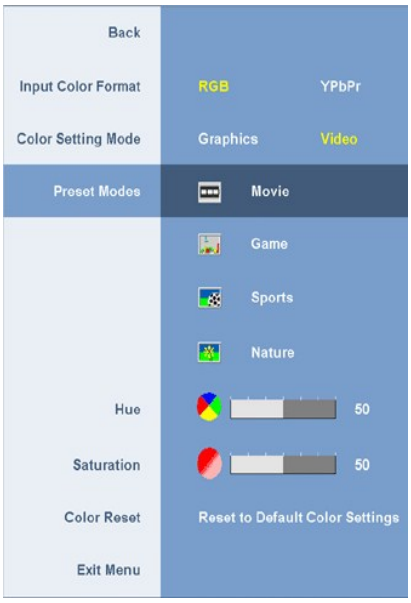
NOTE: AUTO ADJUST is only available when you use the analog (VGA) connector.

2. Push the ⊖ and ⊕ buttons to move between the setting options. As you move from one icon to another, the option name is highlighted. See the following table for a complete list of all the options available for the monitor.
3. Push the MENU button once to activate the highlighted option.
4. Push ⊖ and ⊕ button to select the desired parameter.
5. Push MENU to enter the slide bar and then use the ⊖ and ⊕ buttons, according to the indicators on the menu, to make your changes.
6. Select the "Menu/Exit" option to return to the main menu or exit the OSD menu.

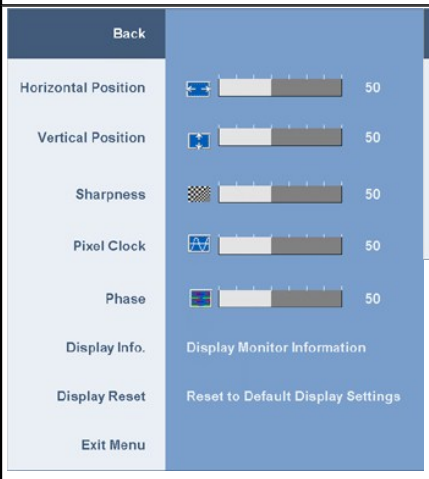
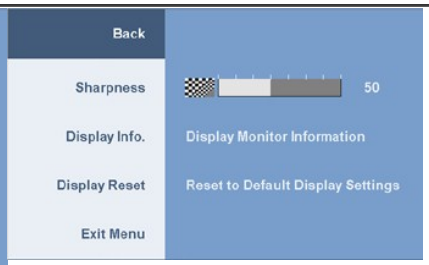
Icon	Menu and Submenus	Description
	BRIGHTNESS & CONTRAST	Use this menu to activate Brightness/Contrast adjustment.
		

	Brightness	Brightness adjusts the luminance of the backlight. Push the button to increase brightness and push the button to decrease brightness (min 0 ~ max 100).
	Contrast	Adjust Brightness first, and then adjust Contrast only if further adjustment is necessary. Push the button to increase contrast and push the button to decrease contrast (min 0 ~ max 100). The Contrast function adjusts the degree of difference between darkness and lightness on the monitor screen.
	Exit Menu	Push to exit the OSD main menu.
	AUTO ADJUST	Even though your computer recognizes your monitor on startup, the Auto Adjustment function optimizes the display settings for use with your particular setup. **NOTE:** In most cases, Auto Adjust produces the best image for your configuration. **NOTE:** AUTO ADJUST option is only available when you are using the analog (VGA) connector.
	INPUT SOURCE	Use the INPUT SOURCE menu to select between different video signals that may be connected to your monitor.
	VGA	Select VGA input when you are using the analog (VGA) connector. Push to select the VGA input source.
	DVI-D	Select DVI-D input when you are using the Digital (DVI) connector. Push to select the DVI input source.
	Exit Menu	Push to exit the OSD main menu.
	PRESET SETTING	Use the Color Settings to adjust the color setting mode and color temperature. There are different color setting sub-menus for VGA/DVI-D and Video input. **Preset setting submenu for VGA/DVI-D input (Graphics Mode)** **Preset setting submenu for VGA/DVI-D input (Video Mode)**

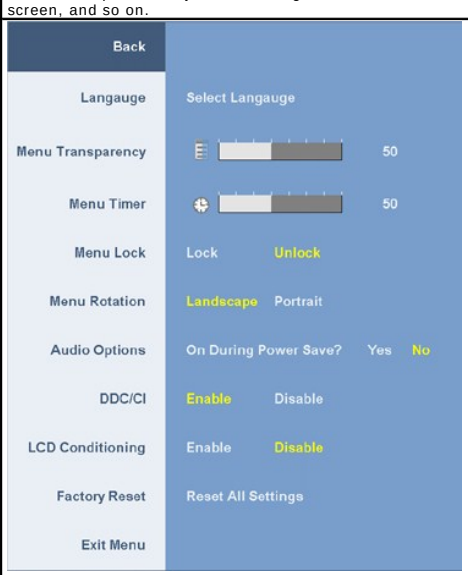


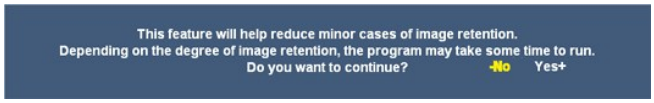


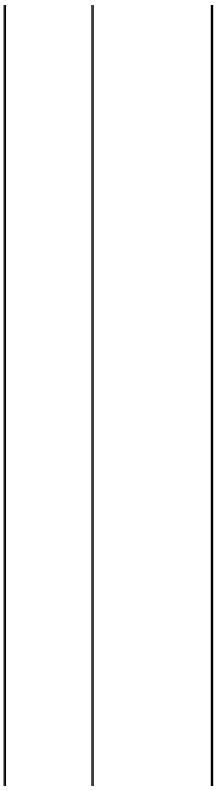
Input Color Format	Choose the RGB option if monitor is connected to a PC or a DVD using a VGA or DVI cable. Choose the YPbPr option if monitor is connected to a DVD by a YPbPr to VGA or YPbPr to DVI cable or if the DVD color output setting is not RGB.
Gamma	To achieve the different color mode for PC and Mac.
Color Setting mode	You can choose between a Graphics and a Video mode. If your computer is connected to your monitor, choose Graphics. If a DVD, STB, or VCR is connected to your monitor, choose Video.
Preset Modes	When you select Graphics, you can choose Desktop, Multimedia, Game, sRGB,Warm, Cool, or Custom (R,G,B); l If you view media application like photo, clip etc via PC, choose "Multimedia" preset; l If you play a game in PC, choose "Gaming" preset; l If you prefer a lower color temperature (5700K), choose "Warm" preset; l If you prefer a higher color temperature, choose "Cool" preset;

		• Custom (R, G, B) Preset offers a range of 6500K colors; • Choose "Desktop" to utilize the panel native color format; • Select Warm preset for a reddish tint. This color setting is used for color-intensive applications (photograph image editing, multimedia, movies, etc.) • Select Cool preset for a bluish tint. This color setting is used for text based applications (spreadsheets, programming, text editors, etc.) • Select Custom preset to increase or decrease each of the three colors (R, G, B) independently, in single digit increments, from 0 to 100. When you select Video, you can choose Movie, Game, Sports, or Nature preset: • For playing a movie, choose "Movie" preset; • For playing a sport program, choose "Sports" preset; • For playing a game, choose "Game" preset; • For general picture or web or watch TV, choose Nature preset. You can adjust the Hue(Tint)/Saturation based on your preference. If you want to restore default color settings, choose Color Reset; • Select Color Reset preset to restore default (factory) Color settings. This setting is also the "sRGB" standard default color space.
	Hue	This feature can shift color of video image to green or purple. This is used to adjust the desired flesh tone color. Use ⊖ or ⊕ to adjust the hue from '0' to '100' . Push ⊖ to increase the green shade of the video image Push ⊕ to decrease the purple shade of the video image **NOTE:** Hue adjustment is available only for video input.
	Saturation	This feature can adjust the color saturation of the video image. Use ⊖ or ⊕ to adjust the saturation from '0' to '100'. Push ⊖ to increase the monochrome appearance of the video image Push ⊕ to decrease the colorful appearance of the video image **NOTE:** Saturation adjustment is available only for video input.
	Color Reset	Reset your monitor color settings to the factory settings.
	Exit Menu	Push ▣ to exit the OSD main menu.
	DISPLAY SETTINGS	Use the Display Settings to adjust image.
		 

	Back	Push to go back to the main menu
	Horizontal Position	Use the or buttons to adjust image left and right. Minimum is '0' (-). Maximum is '100' (+).
	Vertical Position	Use the or buttons to adjust image up and down. Minimum is '0' (-). Maximum is '100' (+).
	Sharpness	This feature can make the image look sharper or softer. Use or to adjust the sharpness from '0' to '100'.
	Pixel Clock	The Phase and Pixel Clock adjustments allow you to adjust your monitor to your preference. These settings are accessed through the main OSD menu, by selecting 'Image Settings'. Use the or buttons to adjust for best image quality.
	Phase	If satisfactory results are not obtained using the Phase adjustment, use the Pixel Clock (coarse) adjustment and then use Phase (fine), again. **NOTE:** Pixel Clock and Phase Adjustments are only available for "VGA" input.
	Display Info	All the settings related to this monitor.
	Display Reset	Reset the image to the original factory setting.
	Exit Menu	Push to exit the OSD main menu.
	OTHER SETTINGS	Select this option to adjust the settings of the OSD, such as, the languages of the OSD, the amount of time the menu remains on screen, and so on.



Language	Language option to set the OSD display to one of five languages (English, Espanol, Francais, Deutsch, or Japanese).
Menu Transparency	This function is used to adjust the OSD background from opaque to transparent.
Menu Timer	OSD Hold Time: Sets the length of time the OSD will remain active after the last time you pressed a button. Use the ⊖ and ⊕ buttons to adjust the slider in 1 second increments, from 5 to 60 seconds.
Menu Lock	Controls user access to adjustments. When 'Lock' ⊕ is selected, no user adjustments are allowed. All buttons are locked except ▣ button. **NOTE:** When the OSD is locked, pressing the menu button will take the user directly to the OSD settings menu, with 'OSD Lock' pre-selected on entry. Press and hold ▣ button for 15 seconds to unlock and allow user access to all applicable settings.
Menu Rotation	Rotates the OSD by 90 degrees counter-clockwise.
Audio Options	To turn on or off audio power during power save mode. Default is "Enable". Select Disable to disable this feature. **Yes** — Turn off audio power during power save mode. **No** — Turn on audio power during power save mode.
DDC/CI	DDC/CI (Display Data Channel/Command Interface) allows your monitor parameters (brightness, color balance etc) to be adjustable via software on your PC. You can disable this feature by selecting "Disable". Enable this feature for best user experience and optimum performance of your monitor.
LCD Conditioning	If an image appears to be stuck on the monitor, select **LCD Conditioning** to help eliminate any image retention. Using the LCD Conditioning feature may take several hours. Severe cases of image retention are known as burn-in, the LCD Conditioning feature does not remove burn-in.  **NOTE:** Use LCD Conditioning only when you experience a problem with image retention.
Factory Reset	Reset all OSD settings to the factory preset values.
Exit Menu	Push ▣ to exit the OSD main menu.



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Setting Up Your Monitor

Dell™ 2208WFP AIO Flat Panel Monitor For Dell OptiPlex™ SFF Computer

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Setting the display resolution to 1680X1050 (Optimal)

For optimal display performance while using the Microsoft Windows operating systems, set the display resolution to 1680 x 1050 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 **1680 X1050**.

4. Click **OK**.

If you do not see **1680X1050** 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 graphics card.**

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Dell™ 2208WFP AIO Flat Panel Monitor For Dell OptiPlex™ SFF Computer

User Guide

Setting the display resolution to 1680x1050(Optimal)

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Model 2208WFPf

August 2008 Rev. A00

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Setting Up the Monitor

Dell™ 2208WFP AIO Flat Panel Monitor For Dell OptiPlex™ SFF Computer

- Cable Connections on the Back of the Monitor and the Computer
- Removing the Cable Cover and the Computer from the Stand
- Detaching the Monitor from the Stand
- Attaching the Dell Soundbar (optional)

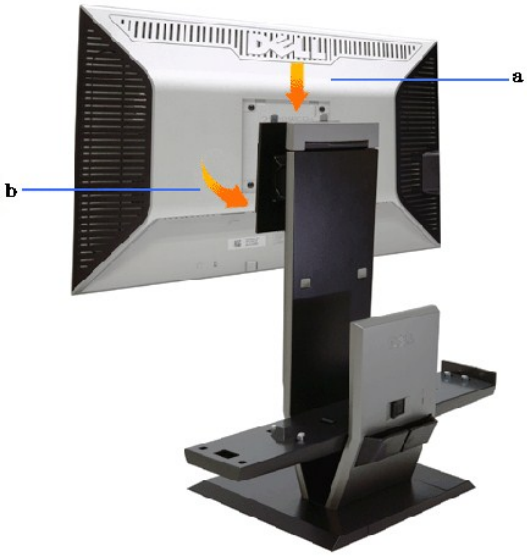
Cable Connections on the Back of the Monitor and the Computer

1.Attach the monitor to the stand

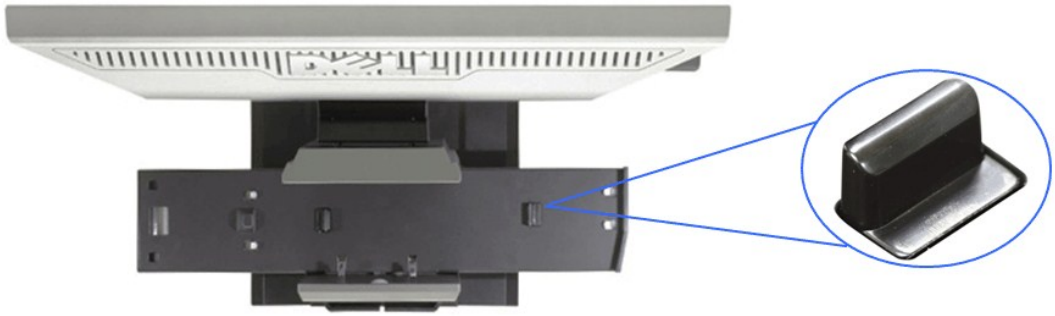
a. Fit the groove on the back of the monitor onto the two tabs on the stand.
b. Lower the monitor until it locked in to place on the stand.

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

NOTE: If you want to mount your AIO stand to a desktop, see the AIO Stand Template Sheet (*.pdf)



2.Verify if the hook triggers are at extended position before mounting the computer to the stand

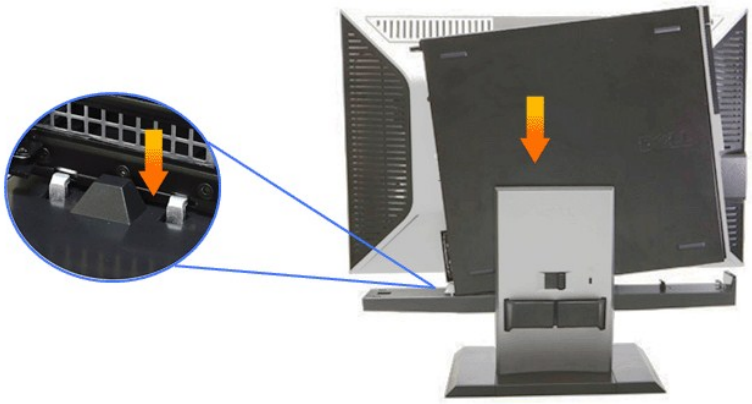


NOTE: The hooks trigger are extended when the stand is shipped from the factory.

If the trigger hooks are at locked down position

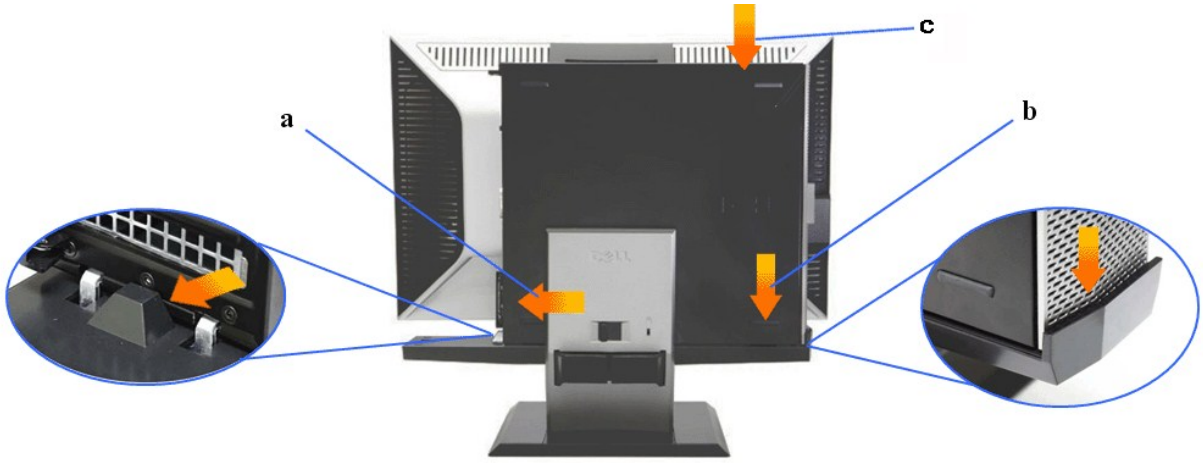
a. Slide the unlock switch to the right.
b. The hook triggers will be released to the extended position.

3.Place the computer on the stand with the back of the computer resting on the step



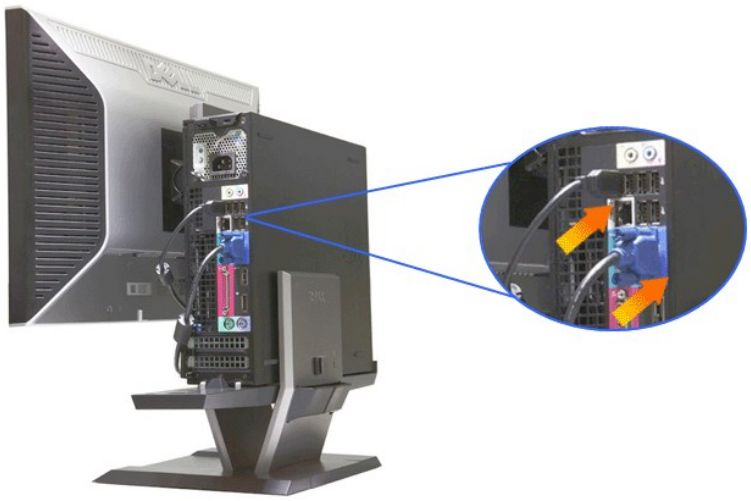
4. Engage the computer to the stand auto locking mechanism.

a. Toe-in the computer towards the chassis hooks until it reaches the alignment ramp.
b. Lower the front side of computer within the alignment feature.
c. Press on the front edge of computer until the auto chassis hooks lock the computer to the stand.



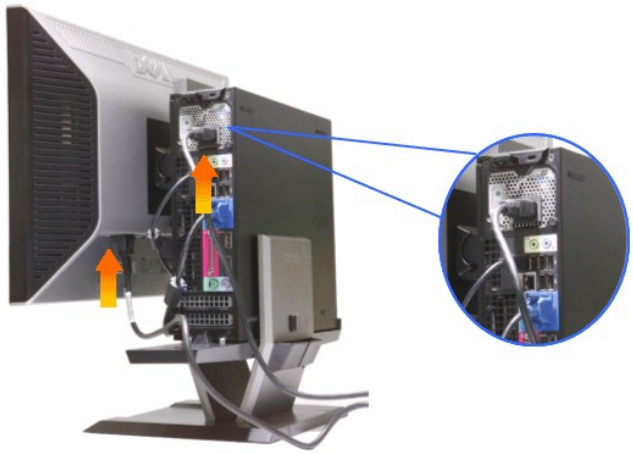
5.Connect the blue Analog (VGA) cable and the USB cable to the computer.

NOTE: This blue Analog (VGA) cable is shipped attached to the monitor.

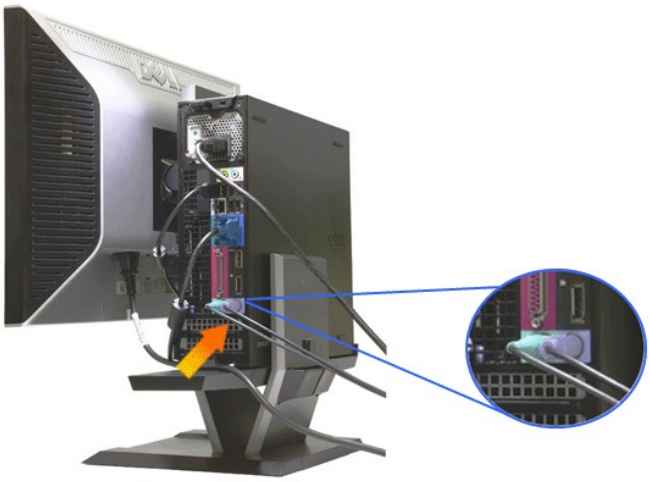


6.Connect the power cables to the monitor and the computer.

NOTE: The monitor power cable and the Cable Cover are shipped with the monitor.

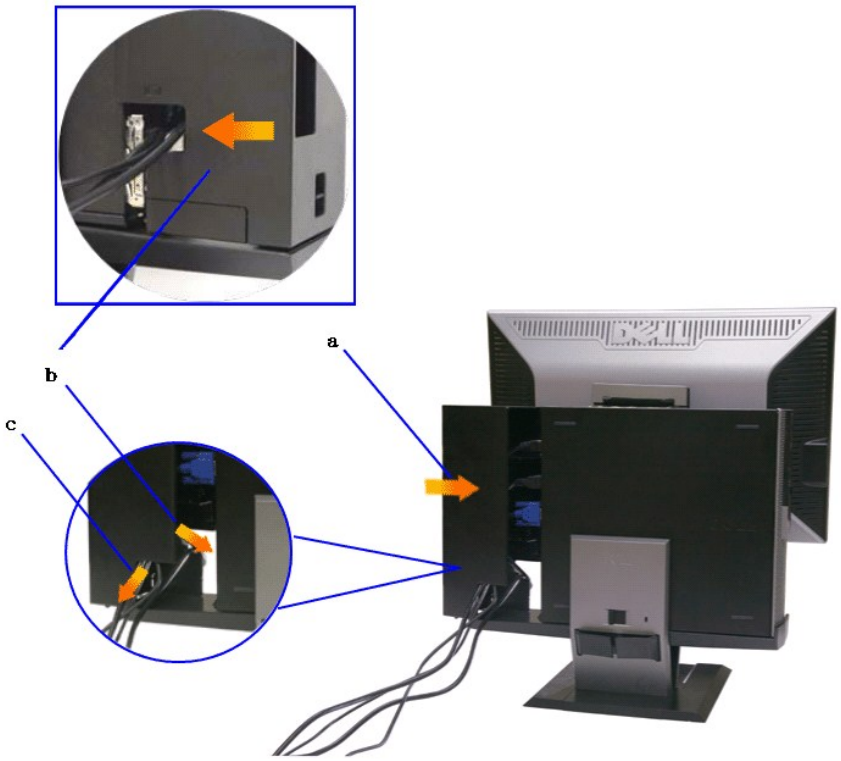


7.Connect the keyboard, mouse and other cables to the computer.

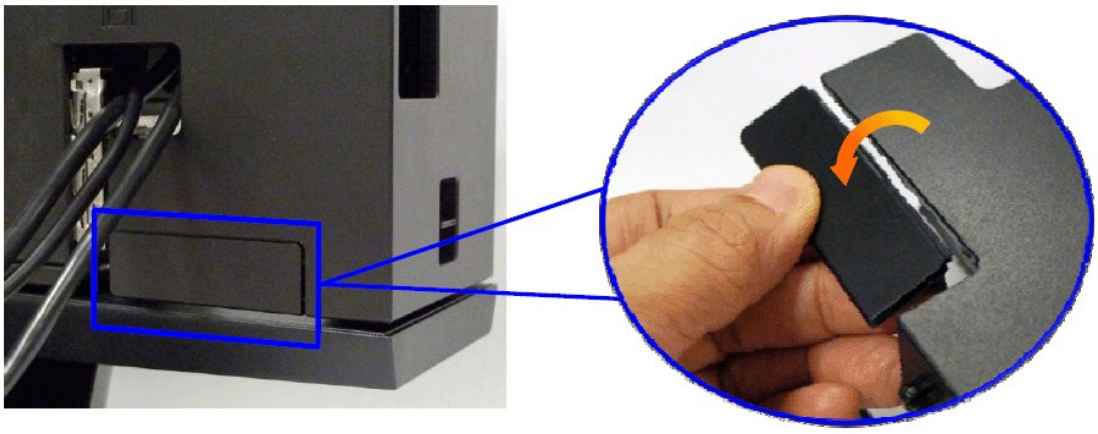


8.To route the cables through the cable cover openings.

a. Hold the cable cover close to the computer
b. Route the cables connected to the monitor (power, USB and VGA cables) through the cable cover front opening.
c. Route the computer power cables, monitor power cables any other cables that connect to the computer (mouse, keyboard, network, printer, external audio, etc.) through the cable cover back opening.



NOTE: For computer system installed with add-on video card that requires the use of video dongles, remove "breakaway piece" by breaking it along the outline.



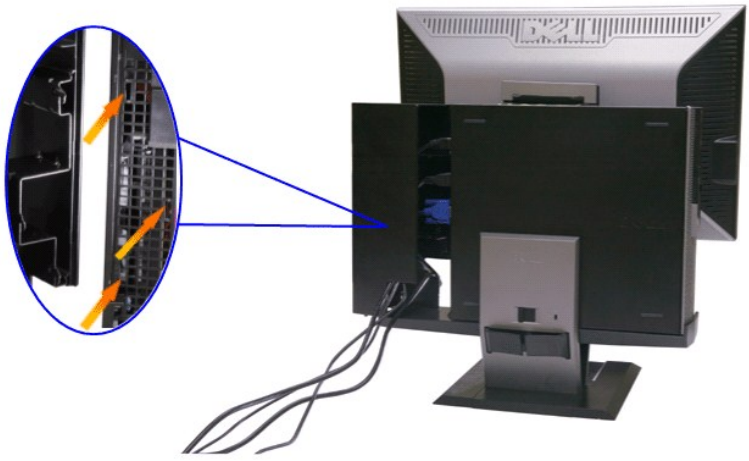
Remove "breakaway piece" by breaking it along the outline.

Dongle route through the new opening

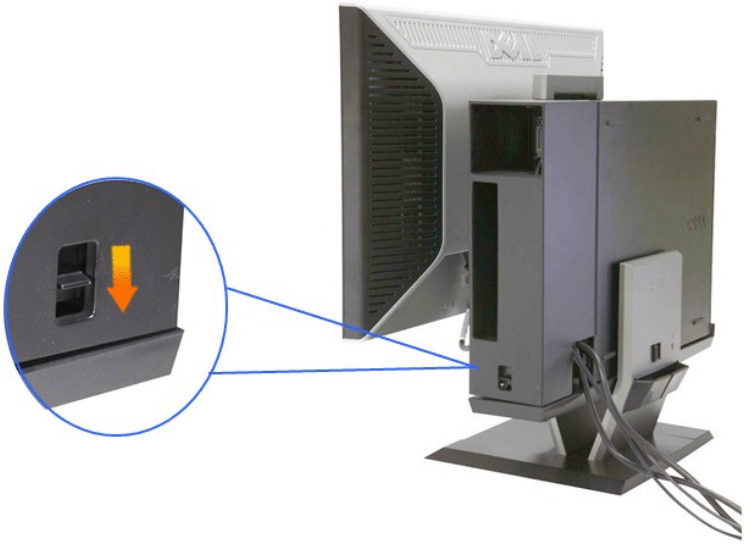
List of video dongles for Optiplex SFF computer

Video Dongle	Video Card
DMS 59 to dual DVI dongle (included)	256MB ATI RADEON HD 3450
DMS 59 to dual VGA dongle (included)	
DP to DVI dongle (2 included)	256MB ATI RADEONHD3470
DP to DVI dongle (optional)	Integrated Display Port

9.Install the back cover to the computer back panel by engaging the 3 hooks on the cable cover to the 3 slots on the computer back panel. Be careful not to disconnect any cable.

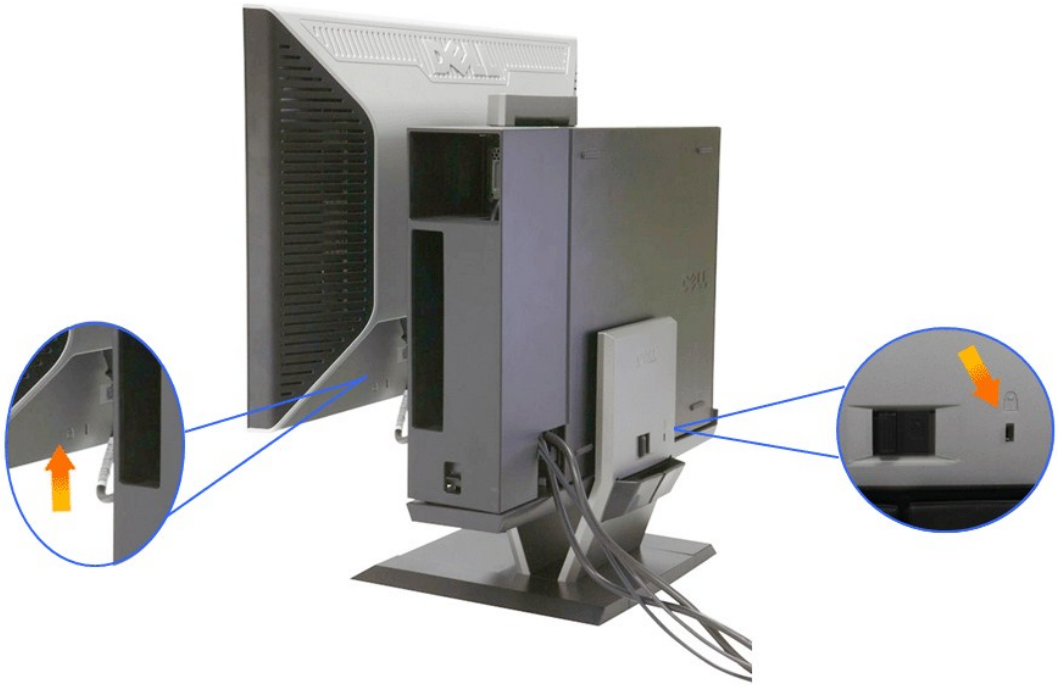


10.Press down the cable cover lock switch to lock the cable cover to the stand.



11.Use the cable management clip to neatly organize all the cables as shown below.

12. Install security locks to the computer and the monitor (Optional)



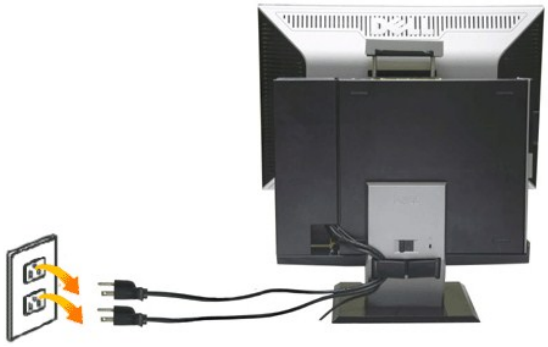
13.Plug the power cables of the computer and the monitor into a nearby outlet.

14. Power on both the monitor and the computer.

If your monitor displays an image, installation is complete. If it does not display an image, see Troubleshooting.

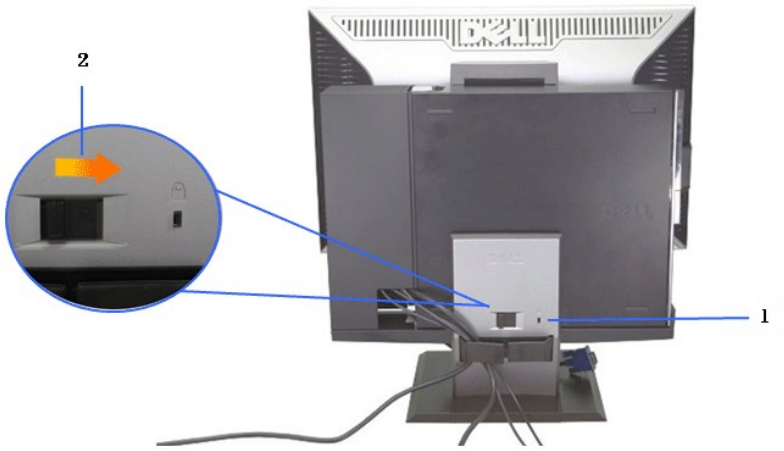
Removing the Cable Cover and the Computer from the Stand

1.Unplug the power cables of the monitor and the computer.

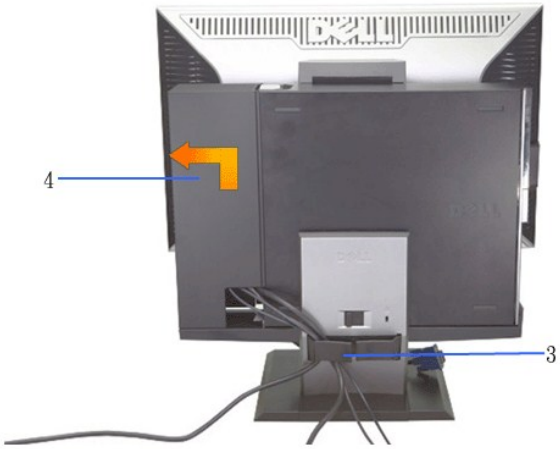


2.Release the cable cover and the computer from the stand.

1. Remove the optional security lock on stand (if used).
2. Slide the unlock switch to the right to unlock the cable cover and the computer from the stand.



3. Remove the cables from the cable management clip.
4. Lift and remove the cable cover from the computer and the stand.



5. Unplug all cables from the computer.
6. Lift and remove the computer from the stand.

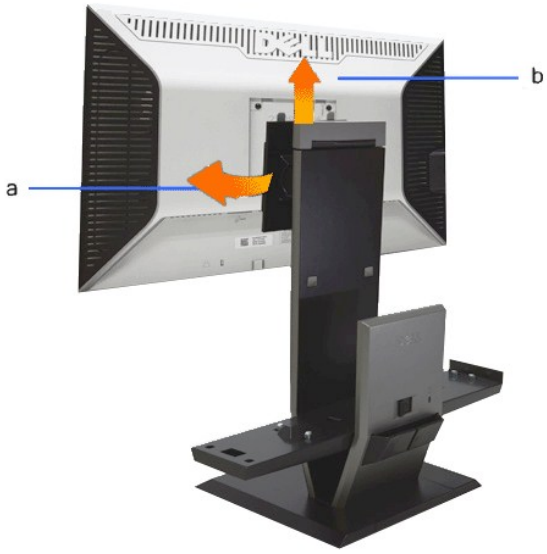
Detaching the Monitor from the Stand

NOTE: This monitor is VESA compliant for wall mounting, and detaching the monitor from the stand is necessary.

1.Press the stand removal button to release the monitor from the stand.

2.Remove the monitor from the stand.

a. Pull away the bottom of the monitor from the stand.
b. Lift the monitor away from the stand.



Attaching the Dell Soundbar (optional)

NOTICE: Do not use the soundbar power connector with any other device.

1. Attach the Soundbar by aligning the two slots on the Soundbar with the two tabs on the bottom of the monitor.
2. Slide the Soundbar to the left until it snaps in to place.
3. Plug in the power cord from the Soundbar in to the connector on the back of the monitor.
4. Insert the green stereo plug from the Soundbar in to your computer's audio output connector.

NOTE: Soundbar Power Connector +12V DC output is optional .

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

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Troubleshooting

Dell™ 2208WFP AIO Flat Panel Monitor For Dell OptiPlex™ SFF Computer

- Self-Test
- Common Problems
- Video Problems
- Product Specific Problems
- Universal Serial Bus Specific Problems
- Dell Soundbar Problems

⚠ **CAUTION:** Before you begin any of the procedures in this section, follow the Safety Instructions.

Self-Test

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 the 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 dialog box should appear on-screen (against 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, because your monitor is functioning properly.

NOTE: Self test feature check is not available for S-Video, Composite, and Component video modes.

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 and video 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.

Common Problems

The following table contains general information about common monitor problems you might encounter and the possible solutions.

Common Symptoms	What You Experience	Possible Solutions
No Video/Power LED off	No picture	ı Ensure that the video cable connecting the monitor and the computer is properly connected and secure. ı Verify that the power outlet is functioning properly using any other electrical equipment. ı Ensure that the power button is depressed fully.
No Video/Power LED on	No picture or no brightness	ı Increase brightness & contrast controls via OSD. ı Perform monitor self-test feature check. ı Check for bent or broken pins in the video cable connector. ı Run the built-in diagnostics.
Poor Focus	Picture is fuzzy, blurry, or ghosting	ı Perform Auto Adjust via OSD. ı Adjust the Phase and Pixel Clock controls via OSD. ı Eliminate video extension cables. ı Reset the monitor to Factory Settings. ı Change the video resolution to the correct aspect ration (16:10).
Shaky/Jittery Video	Wavy picture or fine movement	ı Perform Auto Adjust via OSD. ı Adjust the Phase and Pixel Clock controls via OSD. ı Reset the monitor to Factory Settings. ı Check environmental factors. ı Relocate the monitor and test in another room.
Missing Pixels	LCD screen has spots	ı Cycle power on-off. ı Pixel that is permanently off is a natural defect that can occur in LCD technology. ı Run the built-in diagnostics.
Stuck-on Pixels	LCD screen has bright spots	ı Cycle power on-off. ı Pixel that is permanently off is a natural defect that can occur in LCD technology. ı Run the built-in diagnostics.
Brightness Problems	Picture too dim or too bright	ı Reset the monitor to Factory Settings. ı Auto Adjust via OSD. ı Adjust brightness & contrast controls via OSD.
Geometric Distortion	Screen not centered correctly	ı Reset the monitor to Factory Settings. ı Auto Adjust via OSD. ı Adjust brightness & contrast controls via OSD. **NOTE:** When using '2: DVI-D', the positioning adjustments are not available.
Horizontal/Vertical Lines	Screen has one or more lines	ı Reset the monitor to Factory Settings. ı Perform Auto Adjust via OSD. ı Adjust Phase and Pixel Clock controls via OSD. ı Perform monitor self-test feature check and determine if these lines are also in self-test mode. ı Check for bent or broken pins in the video cable connector. ı Run the built-in diagnostics. **NOTE:** When using '2: DVI-D', the Pixel Clock and Phase adjustments are not available.
Synchronization Problems	Screen is scrambled or appears torn	ı Reset the monitor to Factory Settings. ı Perform Auto Adjust via OSD. ı Adjust Phase and Pixel Clock controls via OSD. ı Perform monitor self-test feature check to determine if the scrambled screen appears in self-test mode. ı Check for bent or broken pins in the video cable connector. ı Restart the computer in the *safe mode*.
Safety Related Issues	Visible signs of smoke or sparks	ı Do not perform any troubleshooting steps. ı Contact Dell immediately.
Intermittent Problems	Monitor malfunctions on & off	ı Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. ı Reset the monitor to Factory Settings. ı Perform monitor self-test feature check to determine if the intermittent problem occurs in self-test mode.
Missing Color	Picture missing color	ı Perform monitor self-test feature check. ı Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. ı Check for bent or broken pins in the video cable connector.
Wrong Color	Picture color not good	ı Change the Color Setting Mode in the Color Settings OSD to Graphics or Video depending on the application. ı Try different Color Preset Settings in Color Settings OSD. Adjust R/G/B value in Color Settings OSD if the Color Management is turned off. ı Change the Input Color Format to PC RGB or YPbPr in the Advance Setting OSD. ı Run the built-in diagnostics.
Image retention from a static image left on the monitor for a long period of time	Faint shadow from the static image displayed appears on the screen	ı Use the Power Management feature to turn off the monitor at all times when not in use (for more information, see Power Management Modes). ı Alternatively, use a dynamically changing screensaver.

Product Specific Problems

Specific Symptoms	What You Experience	Possible Solutions
Screen image is too small	Image is centered on screen,	ı Check the Scaling Ratio setting in Image Setting OSD

	but does not fill entire viewing area	• Reset the monitor to Factory Settings.
Cannot adjust the monitor with the buttons on the front panel	OSD does not appear on the screen	• Turn off the monitor, unplug the power cord, plug back, and then turn on the monitor.
No Input Signal when user controls are pressed	No picture, the LED light is green. When you press "+", "-" or "Menu" key, the message "No S-Video input signal", or "No Composite input signal", or "No Component input signal" appears	• Check the signal source. Ensure the Computer is not in the power saving mode by moving the mouse or pressing any key on the keyboard. • Check to make sure Video Source to S-Video, Composite or Component is powered and playing video media. • Check whether the signal cable is plugged in properly. Re-plug the signal cable if necessary. • Reset the computer or video player.
The picture does not fill the entire screen.	The picture cannot fill the height or width of the screen	• Due to different video formats (aspect ratio) of DVDs, the monitor may display in full screen. • Run the built-in diagnostics.

NOTE: When choosing DVI-D mode, the **Auto Adjust** function is not available.

Universal Serial Bus (USB) Specific Problems

Specific Symptoms	What You Experience	Possible Solutions
USB interface is not working	USB peripherals are not working	• Check that your monitor is turned ON. • Reconnect the upstream cable to your computer. • Reconnect the USB peripherals (downstream connector). • Switch off and then turn on the monitor again. • Reboot the computer. • Some USB devices like external portable HDD require higher electric current; connect the device directly to the computer system.
High Speed USB 2.0 interface is slow.	High Speed USB 2.0 peripherals working slowly or not working at all	• Check that your computer is USB 2.0-capable. • Some computers have both USB 2.0 and USB 1.1 ports. Ensure that the correct USB port is used. • Reconnect the upstream cable to your computer. • Reconnect the USB peripherals (downstream connector). • Reboot the computer.

Dell™ Soundbar Problems

Common Symptoms	What You Experience	Possible Solutions
No Sound	No power to Soundbar - the power indicator is off	• Turn the Power/Volume knob on the Soundbar clockwise to the middle position; check if the power indicator (blue LED) on the front of the Soundbar is illuminated. • Confirm that the power cable from the Soundbar is plugged into the adaptor.
No Sound	Soundbar has power - power indicator is on	• Plug the audio line-in cable into the computer's audio out jack. • Set all Windows volume controls to their maximum • Play some audio content on the computer (i.e. audio CD, or MP3). • Turn the Power/Volume knob on the Soundbar clockwise to a higher volume setting. • Clean and reseat the audio line-in plug. • Test the Soundbar using another audio source (i.e.portable CD player).
Distorted Sound	Computer's sound card is used as the audio source	• Clear any obstructions between the Soundbar and the user. • Confirm that the audio line-in plug is completely inserted into the jack of the sound card. • Set all Windows volume controls to their midpoints. • Decrease the volume of the audio application. • Turn the Power/Volume knob on the Soundbar counter-clockwise to a lower volume setting. • Clean and reseat the audio line-in plug. • Troubleshoot the computer's sound card. • Test the Soundbar using another audio source (i.e. portable CD player, MP3 player).
Distorted Sound	Other audio source is used	• Clear any obstructions between the Soundbar and the user. • Confirm that the audio line-in plug is completely inserted into the jack of the audio source. • Decrease the volume of the audio source. • Turn the Power/Volume knob on the Soundbar counter-clockwise to a lower volume setting. • Clean and reseat the audio line-in plug.
Unbalanced Sound Output	Sound from only one side of Soundbar	• Clear any obstructions between the Soundbar and the user. • Confirm that the audio line-in plug is completely inserted into the jack of the sound card or audio source. • Set all Windows audio balance controls (L-R) to their midpoints. • Clean and reseat the audio line-in plug. • Troubleshoot the computer's sound card. • Test the Soundbar using another audio source (i.e. portable CD player).
Low Volume	Volume is too low	• Clear any obstructions between the Soundbar and the user. • Turn the Power/Volume knob on the Soundbar clockwise to the maximum volume setting. • Set all Windows volume controls to their maximum. • Increase the volume of the audio application. • Test the Soundbar using another audio source (i.e. portable CD player, MP3 player).

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