Dell[™] 2009W 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.

SNOTICE: A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

A CAUTION: A CAUTION indicates a potential for property damage, personal injury, or death.

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Model 2009W

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About Your Monitor

Dell[™] 2009W Flat Panel Monitor User's Guide

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

Product Features

The Dell[™] 2009W flat panel display has an active matrix, thin-film transistor (TFT), liquid crystal display (LCD). The monitor features include:

- 20-inch (508 mm) viewable area display.
- 1680 x 1050 resolution, plus full-screen support for lower resolutions.
- Wide viewing angle to allow viewing from a sitting or standing position, or moving side-to-side.
- Tilt, swivel, vertical extension and rotate adjustment capabilities.
- Removable pedestal and VESA 100 mm mounting holes for flexible mounting solutions.
- Plug and play capability if supported by your system.
- On-Screen Display (OSD) adjustments for ease of set-up and screen optimization.
- Software and documentation CD includes an information file (INF), Image color Matching File (ICM), and product documentation.
- Energy Saver feature for Energy Star compliance.
- Security lock slot.

Identifying Parts and Features

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



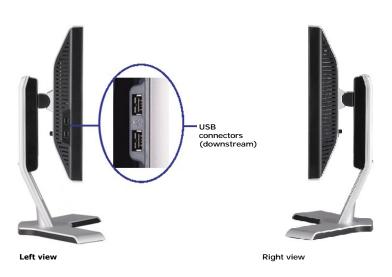


Back view

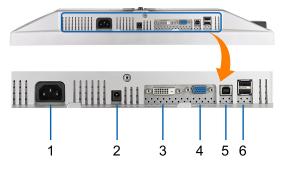
Back View with monitor stand

	Label	Description/Use
1	VESA mounting holes (100mm) (Behind attached base plate)	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	Dell Soundbar mounting brackets	Attach the optional Dell Soundbar.
5	Regulatory rating label	Lists the regulatory approvals.
6	Stand removal button	Press to release the stand.
7	Cable management slot	Help organize cables by placing them through the slot.
8	Lock down/release button	Push the monitor down, press the button to unlock the monitor, and then lift the monitor to the desired height.

Side View



Bottom View



Bottom view

OR

Bottom view with monitor stand

Label Description

- 1 AC power cord connector
- 2 DC power connector for Dell Soundbar
- 3 DVI connector
- 4 VGA connector
- 5 USB upstream port
- 6 USB downstream ports

Monitor Specifications

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

Power Management Modes

If you have VESA's DPM^m compliance display card or software installed in your PC, the monitor can automatically reduce its power consumption when not in use. *Mode**. If the computer detects input from keyboard, mouse, or other input devices, the monitor automatically resumes functioning. The following table shows th of this automatic power saving feature:

VESA Modes	Horizontal Sync	Vertical Sync	Video	Power Indicator	Power Consur
Normal operation (with Dell Soundbar and USB active)	Active	Active	Active	Green	70 W (maximu
Normal operation	Active	Active	Active	Green	42 W (typical)
Active-off mode	Inactive	Inactive	Blanked	Amber	Less than 2 W
Switch off	-	-	-	Off	Less than 1 W

The OSD will only function in the normal operation mode. When the menu or plus buttons are pressed in Active-off mode, one of the following messages will be d

Analog Input In Power Save Mode. Press Computer Power Button or Any Key on Keyboard or Move Mouse

Digital Input In Power Save Mode. Press Computer Power Button or Any Key on Keyboard or Move Mouse

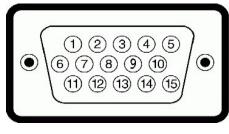
Activate the computer and the monitor to gain access to the OSD.

NOTE: This monitor is ENERGY STAR®-compliant as well as TCO '99/TCO '03 power management compatible.

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

Pin Assignments

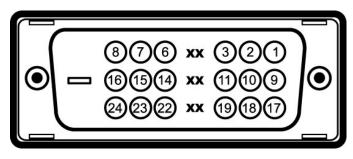
VGA Connector



Pin 15-pin Side of the Connected Signal Cable Number

Numbe	
1	Video-Red
2	Video-Green
3	Video-Blue
4	GND
5	Self-test
6	GND-R
7	GND-G
8	GND-B
9	Computer 5V/3.3V
10	GND-sync
11	GND
12	DDC data
13	H-sync
14	V-sync
15	DDC clock
-	

DVI Connector



Pin 24-pin Side of the Connected Signal Cable

- Pin 24-pin Sid Number 1 TMDS RX2-
- 2 TMDS RX2+
- 3 TMDS Ground
- 4 Floating
- 5 Floating
- 6 DDC Clock
- 7 DDC Data
- 8 Floating

9	TMDS RX1-
10	TMDS RX1+
11	TMDS Ground
12	Floating
13	Floating
14	+5V/+3.3V power
15	Self test
16	Hot Plug Detect
17	TMDS RX0-
18	TMDS RX0+
19	TMDS Ground
20	Floating
21	Floating
22	TMDS Ground
23	TMDS Clock+
24	TMDS Clock-

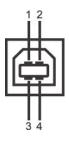
Universal Serial Bus (USB) Interface

This section gives you information about the USB ports that are available on the left side of your monitor.

Ø	NOTE: This monit	or supports High-Speed	Certified USB 2.0 interface
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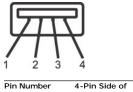
Transfer speed	Data Rate	Power Consumption	
High speed	480 Mbps	2.5W (Max., each port)	
Full speed	12 Mbps	2.5W (Max., each port)	
Low speed	1.5 Mbps	2.5W (Max., each port)	

USB Upstream Connector



Pin Number	4-pin Side of the connector
1	DMU
2	VCC
3	DPU
4	GND

USB Downstream Connector



, in the second	the Signal Cable
1	VCC
2	DMD
3	DPD
4	GND

USB Ports

1 upstream - rear
 4 downstream - 2 on rear; 2 on left side

NOTE: USB 2.0 functionality requires a USB 2.0-capable computer.

NOTE: The monitor's USB interface works only when the monitor is on or in power save mode. If you turn off the monitor and then turn it on, the attached p to resume normal functionality.

Plug and Play Capability

You can install the monitor in any Plug and Play-compatible system. The monitor automatically provides the computer system with its Extended Display Identificat Channel (DDC) protocols so the system can configure itself and optimize the monitor settings. Most monitor installations are automatic; you can select differe information about changing the monitor settings, see <u>Operating the Monitor</u>.

Flat Panel Specifications

Screen type	Active matrix - TFT LCD		
Screen dimensions	20 inches (20-inch viewable image size)		
Preset display area:			
Horizontal	433.44 mm (17.06 inches)		
Vertical	270.90 mm (10.67 inches)		
Pixel pitch	0.258 mm		
Viewing angle	160° (vertical) typ, 170° (horizontal) typ		
Luminance output	300 cd/m ² (typ)		
Contrast ratio	1000 to 1 (typ)		
Dynamic contrast ratio	2000 to 1 (typ)		
Faceplate coating	Antiglare with hard-coating 3H		
Backlight	CCFL (4) edgelight system		
Response Time	5ms typical		
Color gamut (Typical)	102%*		

* 2009W color gamut (typical) is based on CIE1976 (102%) and CIE1931 (92%) test standards.

Appendix

Dell[™] 2009W Flat Panel Monitor User's Guide

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

Contacting Dell

CAUTION: Safety Instructions

A 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: http://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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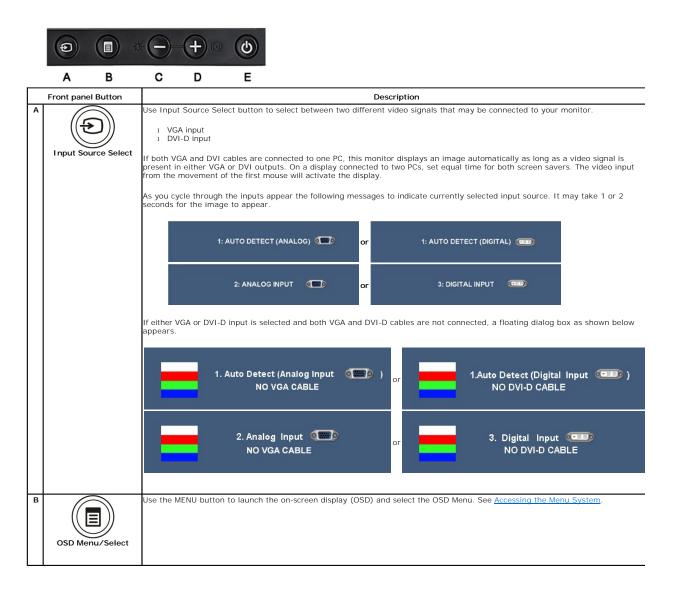
Operating the Monitor

Dell™ 2009W Flat Panel Monitor User's Guide

- Using the Front Panel Controls
- Using the On-Screen Display (OSD) Menu
- Setting the Optimal Resolution
- Using the Dell Soundbar (Optional)
- Using the Tilt, Swivel, and Vertical Extension
- Rotating the monitor
- Adjusting the Rotation Display Settings of Your System

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.



c		Use this button for direct ac	ess to the "	"Brightness" and "Co	ntrast" conti	rol menu.			
		Back							
	Brightness/Contrast Hot Key	Brightness	☀		75				
		Contrast		_	75				
		Exit Menu							
C and D	$\bigcirc \textcircled{+}$	Use these buttons to naviga	e and adju	ust the slider-bar (dec	rease/increa	ase ranges) controls in the OSD.			
D	Down (-) and Up (+)	Use this button to activate a adjusts to the current input:	utomatic se	etup and adjust menu	. The follow	ing dialog appears on a black screen as the monitor self-			
	Auto Adjust	AUTO ADJUS	AUTO ADJUSTMENT IN PROGRESS						
		Auto Adjustment allows the your monitor by using the Pi:	nonitor to s cel Clock (Co	self-adjust to the inco oarse) and Phase (Fir	ming video : ie) controls i	signal. After using Auto Adjustment, you can further tune under DISPLAY SETTINGS.			
		NOTE: Auto Adjust does no	t occur if yo	ou press the button w	hile there a	re no active video input signals or attached cables.			
E		Use the Power button to turi The green LED indicates the			. An amber	LED indicates DPMS power save mode.			
	Power button (with power light indicator)								

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

	÷.	•	•	•	25	
EXIT	BRIGHTNESS		INPUT	PRESET	DISPLAY	
	& CONTRAST	ADJUST	SOURCE	MODES	SETTINGS	SETTINGS

or

Main Menu for non Analog (non VGA) Input

	÷.	•		36	
EXIT	BRIGHTNESS	INPUT	PRESET	DISPLAY	
	& CONTRAST	SOURCE	MODES	SETTINGS	SETTINGS

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

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 the 🕒 and 🟵 buttons to select the desired parameter.

5. Push (1) to enter the slide bar and then use the (2) or (1) button, according to the indicators on the menu, to make your changes.

. Select the "back" option to return to the main menu or "exit" to exit the OSD menu.

ſ	o. Select			
	Icon	Menu and Submenus	Description	
- 1				

Ū.	BRIGHTNESS & CONTRAST	Use this menu to activate Brightness/Contrast adjustment.				
		Back				
		Brightness 💥 🖬 50				
		Contrast				
		Exit Menu				
	Back	Push 📵 to go back to the main menu.				
	Brightness	Brightness adjusts the luminance of the backlight. Push the D button to increase brightness and push the D button to decrease brightness (min 0 ~ max 100). Adjust Brightness first, and then adjust Contrast only if further adjustment is necessary. Push the b button to increase contrast and push the D button to decrease contrast (min 0 ~ max 100). The Contrast function adjusts the degree of difference between darkness and lightness on the monitor screen. Push D to exit the OSD main menu.				
	Contrast					
	Exit Menu					
[+]	AUTO ADJUST	ven though your computer recognizes your monitor on startup, the Auto Adjustment function optimizes the display settings for use th your particular setup.				
		AUTO ADJUSTMENT IN PROGRESS				
		NOTE: In most cases, Auto Adjust produces the best image for your configuration.				
→	INPUT SOURCE					
→		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.				
÷		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. Use the INPUT SOURCE menu to select between different video signals that may be connected to your monitor.				
→		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. Use the INPUT SOURCE menu to select between different video signals that may be connected to your monitor.				
→		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. Use the INPUT SOURCE menu to select between different video signals that may be connected to your monitor.				
→		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. Use the INPUT SOURCE menu to select between different video signals that may be connected to your monitor.				
•	SOURCE	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. Use the INPUT SOURCE menu to select between different video signals that may be connected to your monitor. Back VGA DVI-D				
•	SOURCE Back	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. Use the INPUT SOURCE menu to select between different video signals that may be connected to your monitor. Back VGA DVI-D Exit Menu Push I to go back to the main menu.				
•	SOURCE Back VGA	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. Use the INPUT SOURCE menu to select between different video signals that may be connected to your monitor. Back VGA VGA VGA DVI-D Exit Menu Push I to go back to the main menu. Select VGA input when you are using the analog (VGA) connector. Push I to select the VGA input source.				
•	SOURCE Back VGA DVI-D Scan for	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. Use the INPUT SOURCE menu to select between different video signals that may be connected to your monitor. Back VGA VGA VGA DVI-D Exit Menu Push I to go back to the main menu. Select VGA input when you are using the analog (VGA) connector. Push I to select the VGA input source. Select DVI-D input when you are using the Digital (DVI) connector. Push I to select the DVI input source.				

	Preset setting submenu	Back		Back		
	Submenu	Input Color Format	RGB YPbPr	Input Color Format	RGB YPbPr	
		Gamma	PC MAC	Color Setting Mode	Graphics Video	
		Color Setting Mode	Graphics Video	First and the second	m Novie	
		Preset Mode	Desktop		Game	
			🕅 Multimedia		M Sports	
			Game		Nature	
			sRGB	Hue	50	
			📕 Warm	Saturation	50	
			Cool	Color Reset	Reset to Default Color Settings	
			Custom (R,G,B)	Exit Menu		
		Exit Menu				
	Back	Push (1) to go back to the main menu.				
	Input Color Format	To achieve the different color domain for PC RGB and HD YPbPr (HD YPbPr is suitable for HD video playback over DVI. PC RGB is suitable for normal PC graphics display over DVI).				ver DVI. PC RGB is
	Gamma		nt color mode for PC and I			
Color Setting mode You can choose between a Graphics and a Video mode. If your computer is connected to your monitor, choose O STB, or VCR is connected to your monitor, choose Video.				·		
	Color Presets (VGA/DVI-D Input)					ver DVI. PC RGB is
	Desktop Mode					
	Multimedia Mode	Mode for multimedia applications (example, video playback). Mode suitable for game applications. Mode to emulate 72% NTSC color.				
	Game Mode					
	sRGB Mode					
Warm Mode Warm mode is selected to obtain a redder tint. This color setting is editing, multimedia, movies, etc.).		This color setting is typically	setting is typically used for color-intensive applications (photograph image			
	Cool Mode Cool Mode is selected to obtain a bluish tint. This color setting is typically used for text based applications (spreadsheets, programming, text editors, etc.). Use the O or O button to increase or decrease each of the three colors (R, G, B) independently, in single-digit increments 100.			spreadsheets,		
				digit increments, from 0 to		
	Presets Mode (Video)	You can choose differ	ent color presets for differ	ent viewing modes.		
Ξ	Movie Mode	Mode suitable for mov	vie playback.			
	Game Mode	Mode suitable for gan	ne applications.			
32	Sports Mode	Mode suitable for spo	rts scenes.			
*	Nature Mode	Mode suitable for nat	ure scenes.			
8	Hue	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. Changes the color of the image to green Changes the color of the image to purple NOTE: Hue adjustment is only available for video input.				
Saturation This feature can make the color of the video image shift to green or purple. This is also used to adjust for desired fuse - or + to adjust the hue from '0' to '100'. This is also used to adjust for desired for makes the video image look more monochrome makes the video image look more colorful NOTE: Saturation adjustment is only available for video input.			esired flesh tone color.			

Setting Up the Monitor

- Dell™ 2009W Flat Panel Monitor User's Guide
- Attaching the Stand
- Connecting the Monitor
- Organizing the Cables
- Attaching the Dell Soundbar (optional)
- Removing the Stand

Attaching the Stand

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



Place the stand on a flat surface and follow these steps to attach the monitor stand:

Fit the groove on the back of the monitor to the two tabs on the upper part of the stand.
 Lower the monitor so that the monitor mounting area snaps on to or locks on to the stand.

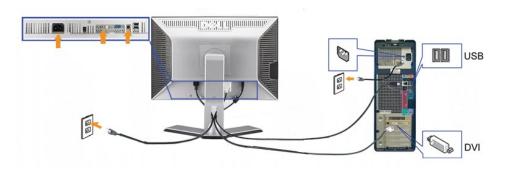
Connecting Your Monitor

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

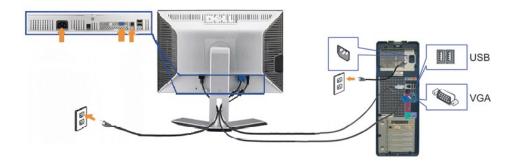
To connect your monitor to the computer perform the following steps/instructions:

- 1
- Turn off your computer and disconnect the power cable. Connect either the white (digital DVI-D) or the blue (analog VGA) display connector cable to the corresponding video port on the back of your computer. Do not use both cables on the same computer. Use both the cables only when they are connected to two different computers with appropriate video systems.

Connecting the White DVI Cable



Connecting the Blue VGA Cable



NOTE: The graphics are used for the purpose of illustration only. Appearance of the computer may vary

After you have completed connecting the DVI/VGA cable, follow the procedure below to connect the USB cable to the computer and complete your monitor setup

- Connect the upstream USB port (cable supplied) to an appropriate USB port on your computer.
 Connect USB peripherals to the downstream USB ports (rear or side) on the monitor. (See <u>rear</u> or <u>bottom</u> view for details.)
 Plug the power cables for your computer and monitor into a nearby outlet.
 Turn on the monitor and the computer. If your monitor displays an image, installation is complete. If it does not display an image, see <u>Solving Problems</u>.
 Use the cable holder on the monitor stand to organize the cables.

Organizing the Cables



After attaching all the necessary cables to your monitor and computer, (See <u>Connecting Your Monitor</u> for cable attachment,) use the cable management slot to organize all cables as shown above.

Attaching the Soundbar



O NOTICE: Do not use with any device other than the 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 Dell Soundbar by aligning the two slots with the two tabs along the bottom rear of the monitor.
- 2. Slide the Dell Soundbar to the left until it snaps into place.
- 3. Connect the Dell Soundbar with the DC power connector.
- 4. Insert the mini stereo plug from the rear of the Dell Soundbar into the computer's audio output jack.

Removing the Stand

MOTE: To prevent scratches on the LCD screen while removing the stand, ensure that the monitor is placed on a clean surface.

Complete the following steps to remove the stand:



- 1. 2. 3. Rotate the stand to allow access to the stand release button. Press and hold the Stand release button. Lift the stand up and away from the monitor .

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Solving Problems Dell[™] 2009W Flat Panel Monitor User's Guide

- Troubleshooting Your Monitor
- Common Problems
- Product Specific Problems
- Universal Serial Bus Specific Problems
- <u>Dell™ Soundbar Troubleshooting</u>

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

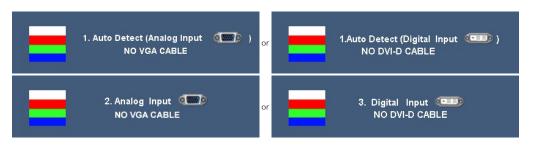
Troubleshooting Your Monitor

Self-Test Feature Check

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:

- Turn off both your computer and the monitor. Unplug the video cable from the back of the computer. To ensure proper Self-Test operation, remove both the Digital (white connector) and the Analog (blue connector) cables from the back of computer. 2.
- 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 dam 5. Turn off your monitor and reconnect the video cable; then turn on both your computer and the monitor This box also appears during normal system operation if the video cable becomes disconnected or damaged.

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

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	 Ensure that the video cable connecting the monitor and the computer is properly connected and secure. Verify that the power outlet is functioning properly by using any other electrical equipment. Ensure that the power button is depressed fully.
No Video/ Power LED on	No picture or no brightness	 Increase brightness & contrast controls via OSD. Perform monitor self-test feature check. Check for bent or broken pins in the video cable connector.
Poor Focus	Picture is fuzzy, blurry, or ghosting	 Perform Auto Adjust via OSD. Adjust the Phase and Pixel Clock controls via OSD. Eliminate video extension cables. Reset the monitor to Factory Settings. Change the video resolution to the correct aspect ration (16:10).
Shaky/Jittery Video	Wavy picture or fine movement	 Perform Auto Adjust via OSD. Adjust the Phase and Pixel Clock controls via OSD. Reset the monitor to Factory Settings. Check environmental factors. Relocate the monitor and test in another room.

	L	
Missing Pixels	LCD screen has spots	 Cycle power on-off. Pixel that is permanently off is a natural defect that can occur in LCD technology.
Stuck-on Pixels	LCD screen has bright spots	 Cycle power on-off. Pixel that is permanently off is a natural defect that can occur in LCD technology.
Brightness Problems	Picture too dim or too bright	 Reset the monitor to Factory Settings. Auto Adjust via OSD. Adjust brightness & contrast controls via OSD.
Geometric Distortion	Screen not centered correctly	 Reset the monitor to Factory Settings. Auto Adjust via OSD. 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	 Reset the monitor to Factory Settings. Perform Auto Adjust via OSD. Adjust Phase and Pixel Clock controls via OSD. Perform monitor self-test feature check and determine if these lines are also in self-test mode. Check for bent or broken pins in the video cable connector.
		NOTE: When using '2: DVI-D', the Pixel Clock and Phase adjustments are not available.
Synchronization Problems	Screen is scrambled or appears torn	 Reset the monitor to Factory Settings. Perform Auto Adjust via OSD. Adjust Phase and Pixel Clock controls via OSD. Perform monitor self-test feature check to determine if scrambled screen appears in self-test mode. Check for bent or broken pins in the video cable connector. Restart the computer in the safe mode.
Safety Related Issues	Visible signs of smoke or sparks	 Do not perform any troubleshooting steps. Contact Dell immediately.
Intermittent Problems	Monitor malfunctions on & off	 Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. Reset the monitor to Factory Settings. Perform monitor self-test feature check to determine if the intermittent problem occurs in self-test mode.
Missing Color	Picture missing color	 Perform monitor self-test feature check. Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. Check for bent or broken pins in the video cable connector.
Wrong Color	Picture color not good	 Change the Color Setting Mode in the Color Settings OSD to Graphics or Video depending to the application. 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. Change the Input Color Format to PC RGB or YPbPr in the Advance Setting OSD.
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	 Use the Power Management feature to turn off the monitor at all times when it is not in use (for more information, see <u>Qwer Management Modes</u>). Alternatively, use a <u>dynamically changing screensaver</u>.