

# Dell™ 2407WFP-HC 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.

Some warnings may appear in alternate formats and may be unaccompanied by an icon. In such cases, the specific presentation of the warning is mandated by regulatory authority.

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Model 2407WFP-HC

March 2007 Rev. A01

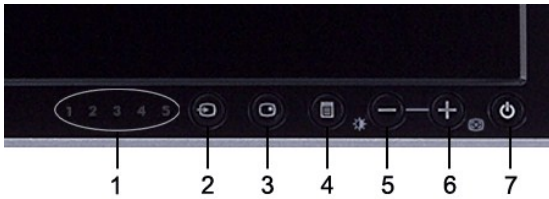
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### Front View



- 
- 1 Input indicators
  - 2 Input Source Select
  - 3 PIP (Picture In Picture) / PBP (Picture By Picture) Select
  - 4 OSD Menu / Select
  - 5 Brightness & Contrast / Down (-)
  - 6 Auto-adjust / Up (+)
  - 7 Power button (with power light indicator)
- 

### Back View




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1	VESA mounting holes (100mm) (Behind attached base plate)	Use to mount the monitor.
2	Connectors label	Indicate the positions and types of connectors.
3	Barcode serial number label	Refer to this label if you need to contact Dell for technical support.
4	Security lock slot	Use a security lock with the slot to help secure your monitor.
5	Monitor Lock/Release Button	Press to release the stand from the monitor.
6	Regulatory rating label	List the regulatory approvals.
7	Dell Soundbar mounting brackets	Attach the optional Dell Soundbar.
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.
9	Cable management hole	Help organize cables by placing them through the hole.

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## Side View



**Right side**



Left side

- 
- 1 Card reader: for details please refer to [Card Reader Specifications](#)
  - 2 USB downstream ports
- 

## Bottom View



- 
- 1 AC power cord connector
  - 2 DC power connector for Dell™ Soundbar
  - 3 DVI connector
  - 4 VGA connector
  - 5 Composite video connector
  - 6 S-Video connector
  - 7 Component video connectors
  - 8 USB upstream port
  - 9 USB downstream ports
- 

## Monitor Specifications

### General

Model number

2407WFP-HC

## Flat Panel

The following table lists the flat panel specification:

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Screen type	Active matrix - TFT LCD
Screen dimensions	24 inches (24-inch viewable image size)
Preset display area:	
Horizontal	518.4 mm (20.4 inches)
Vertical	324.0 mm (12.7 inches)
Pixel pitch	0.270 mm
Viewing angle	+/- 89° (vertical) typ, +/- 89° (horizontal) typ
Luminance output	400 cd/m <sup>2</sup> (typ)
Contrast ratio	1000:1 (typ)
Faceplate coating	Antiglare with hard-coating 3H
Backlight	6 CCFLs U-type backlight, 92% wide color gamut
Response Time	6 ms typical (Grey to Grey) / 16 ms typical (Black to White)

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## Resolution

The following table lists the recommended resolution:

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Horizontal scan range	30 kHz to 81 kHz (automatic)
Vertical scan range	56 Hz to 76 Hz, exception 1920 x 1200 at 60 Hz only
Optimal preset resolution	1920 x 1200 at 60 Hz
Highest preset resolution	1920 x 1200 at 60 Hz

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## Video Supported Modes

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Video display capabilities (DVI playback)	480p/576p/720p/1080p (Supports HDCP)
Video display capabilities (Composite playback)	NTSC/PAL
Video display capabilities (S-Video playback)	NTSC/PAL
Video display capabilities (Component playback)	480i/480p/576i/576p/720p/1080i

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## 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)
VGA, 720 x 400	31.5	70.1	28.3	-/+
VGA, 640 x 480	31.5	59.9	25.2	-/-
VESA, 640 x 480	37.5	75.0	31.5	-/-
VESA, 800 x 600	37.9	60.3	40.0	+/+
VESA, 800 x 600	46.9	75.0	49.5	+/+

VESA, 1024 x 768	48.4	60.0	65.0	-/-
VESA, 1024 x 768	60.0	75.0	78.8	+/+
VESA, 1152 x 864	67.5	75.0	108.0	+/+
VESA, 1280 x 1024	64.0	60.0	108.0	+/+
VESA, 1280 x 1024	80.0	75.0	135.0	+/+
VESA, 1600 x 1200	75.0	60.0	162.0	+/+
VESA, 1920 x 1200	74.0	60.0	154.0	+/-

## Electrical

The following table lists the electrical specification:

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Video input signals	<p>Analog RGB, 0.7 Volts +/-5%, <b>75 ohm input impedance</b>  Digital DVI-D TMDS, 600mV for each differential line, 50 ohm input impedance  S-video, Y input 1 volt(p-p), C input 0.286 volt(p-p), 75 ohm input impedance  Composite, 1 volt(p-p), 75 ohm input impedance  Component: Y, Pb, Pr are all 0.5~1volt(p-p), 75 ohm input impedance</p>
Synchronization input signals	<p>separate horizontal and vertical,  3.3V CMOS or 5V TTL level, positive or negative sync.  SOG (Sync on green)</p>
AC input voltage / frequency / current	100 to 240 VAC / 50 or 60 Hz $\pm$ 3 Hz / 2.0A (Max.)
Inrush current	<p>120V: 40A (Max.)  240V: 80A (Max.)</p>

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## Physical Characteristics

The following table lists the physical characteristics:

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Signal cable type	<p>D-sub: Detachable, Analog, 15pin, shipped attached to the monitor  DVI-D: Detachable, Digital, 24pin, shipped detached from the monitor  <b>S-video: Not included with display</b>  Composite: Not included with display  Component: Not included with display</p>
Dimensions (with stand):	
Height (fully extended in portrait mode)	584.7 mm (23.0 inches)
Height (compressed/locked in landscape mode)	387.9 mm (15.3 inches)
Width	559.7 mm (22.0 inches)
Depth	195.0 mm ( 7.7 inches)
Weight	
Monitor (Stand and Head)	8.3 Kg (18.3 lb)

Monitor Flat panel only (VESA Mode)	6.5 Kg (14.3 lb)
Weight with packaging	11.2 Kg (24.7 lb)

## Environmental

The following table lists the environmental limitation:

Temperature:	
Operating	5° to 35°C (41° to 95°F)
Non-operating	Storage: 0° to 60°C (32° to 140°F) Shipping: -20° to 60°C(-4° to 140°F)
Humidity:	
Operating	10% to 80% (non-condensing)
Non-operating	Storage: 5% to 90% (non-condensing) Shipping: 5% to 90%(non-condensing)
Altitude:	
Operating	3,657.6 m (12,000 ft) max
Non-operating	12,192 m (40,000 ft) max
Thermal dissipation	
	375.0 BTU/hour (maximum) 195.0 BTU/hour (typical)

## Power Management Modes

If you have VESA's DPMS compliance display card or software installed in your PC, the monitor can automatically reduce its power consumption when not in use. This is referred to as 'Power Save Mode'\*. If activity from keyboard, mouse or other input devices is detected by the computer, the monitor will automatically "wake up".

The following table shows the power consumption and signaling of this automatic power saving feature:

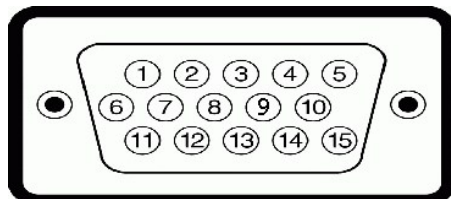
VESA Modes	Horizontal Sync	Vertical Sync	Video	Power Indicator	Power Consumption
Normal operation	Active	Active	Active	Green	110W (maximum)* 57W (normal)**
Active-off mode	Inactive	Inactive	Blanked	Amber	Less than 2 W
Switch off	-	-	-	Off	Less than 1 W (at 230 V)

\* With Audio + USB  
\*\* Without Audio + USB

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

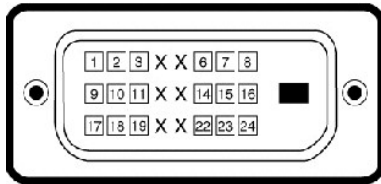
## Pin Assignments

### VGA Connector



Pin Number	15-pin Side of the Connected 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	Computer 5V/3.3V
10	GND-sync
11	GND
12	DDC data
13	H-sync
14	V-sync
15	DDC clock

### DVI Connector



Pin Number	24-pin Side of the Connected Signal Cable
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-

### S-video Connector



Pin Number	5-pin Side of the Connected Signal Cable (Cable not included)
1	GND
2	GND
3	LUMA
4	CHROMA
5	GND

### Composite Video Connector



LUMA COMPOSITE CHROMA

### Component Video Connector



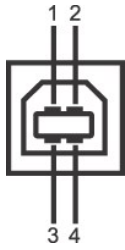
Pin Number	3-pin Side of the Connected Signal Cable (Cable not included)
1	Y (Luminance signal)
2	Pb (Color differential signal)
3	Pr (Color differential signal)

## Universal Serial Bus (USB) Interface

This monitor supports High-Speed Certified USB 2.0 interface.

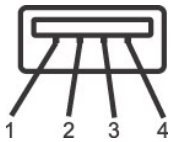
Transfer speed	Data Rate	Power Consumption
High speed	480 Mbps	2.5W (Max., each port)
Full speed	12 Mbps	2.5W (Max., each port)
Low speed	1.5 Mbps	2.5W (Max., each port)

### USB Upstream Connector



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


### USB Downstream Connector




Pin Number	4-Pin Side of the Signal Cable
1	VCC
2	DMD
3	DPD
4	GND

### USB Ports

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

 **NOTE:** USB 2.0 capability requires 2.0 capable computer

 **NOTE:** The monitor's USB interface works only when the monitor is on or in power save mode, If you switch the monitor off and then on, attached peripherals may take a few seconds to resume normal functionality.

## Card Reader Specifications

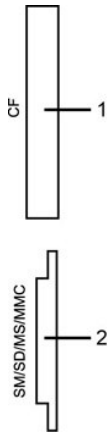
### Overview

- 1 The Flash Memory Card Reader is a USB storage device that allows users to read and write information from and into the memory card.
- 1 The Flash Memory Card Reader is automatically recognized by Windows® 2000, XP and Vista.
- 1 Once installed and recognized, each separate memory card (slot) appears as a separate drive/drive letter.
- 1 All standard file operations (copy, delete, drag-and-drop, etc.) can be performed with this drive.

### Features

The Flash Memory Card Reader has the following features:

- 1 Supports Windows 2000, XP and Vista operating systems
- 1 No Windows 9X support from Dell
- 1 Mass Storage Class device (No drivers are required under Windows 2000, XP and Vista)
- 1 USB-IF certification
- 1 Supports various memory card media



The following table lists the slot to support what kind of memory card:

Slot Number	Flash memory cards type
1	Compact Flash type I/II Card (CF I/II) / CF form factor ATA hard drives to USB 2.0 bus
2	Smart Media Card (SMC) Memory Stick Card (MS) / High Speed Memory Stick (HSMS) / Memory Stick Pro Card (MS PRO) / Memory Stick Duo (with Adapter) Secure Digital Card (SD) / Mini Secure Digital (with Adapter) / TransFlash Card (with Adapter) MultiMedia Card (MMC) / Reduced Size MultiMedia Card (with Adapter)

## General

Connection type      USB 2.0 High Speed Device (USB Full Speed Device compatible)  
Supported OS          Windows 2000, XP and Vista

## Performance

Transfer Speed        Read: 480 Mb/s (max.)  
                              Write: 480 Mb/s (max.)

## 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 Identification Data (EDID) using Display Data Channel (DDC) protocols so the system can configure itself and optimize the monitor settings. If desired, the user can select different settings, but in most cases monitor installation is automatic.

## 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, lightly dampen a soft, clean cloth with water. If possible, use a special screen-cleaning tissue or solution suitable for the antistatic coating. Do not use benzene, thinner, ammonia, abrasive cleaners, or compressed air.
- 1 Use a lightly-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 plastics 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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## FCC Identification Information

### 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 operation.



**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: Dell™ 2407WFP-HC
- 1 Model number: Dell™ 2407WFPb
- 1 Company name:  
Dell Inc.  
Worldwide Regulatory Compliance & Environmental Affairs  
One Dell Way  
Round Rock, Texas 78682 USA  
512-338-4400



**NOTE:** For Further regulatory information, see your *Product Information Guide*.

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## 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.


Read and follow these instructions when connecting and using your computer monitor:

- 1 To help avoid damaging your computer, be sure that the voltage selection switch on the power supply for the computer is set to match the alternating current (AC) power available at your location:
  - o 115 volts (V)/60 hertz (Hz) in most of North and South America and some Far Eastern countries such as Japan, South Korea (also 220 volts (V)/60 hertz (Hz)), and Taiwan.
  - o 230 volts (V)/50 hertz (Hz) in most of Europe, the Middle East, and the Far East.
- 1 Always be sure that your monitor is electrically rated to operate with the AC power available in your location.



**NOTE:** This monitor does not need or have a voltage selection switch for setting the AC voltage input. It will automatically accept any AC input voltage according to the ranges defined in the "Electrical Specifications" section in the User's Guide.


- 1 Do not store or use the monitor in locations that are exposed to heat, direct sunlight, or extreme cold.
- 1 Avoid moving the monitor between locations with large temperature differences.
- 1 Do not subject the monitor to severe vibration or high impact conditions. For example, do not place the monitor inside a car trunk.
- 1 Do not store or use the monitor in locations exposed to high humidity or dusty environment.
- 1 Do not allow water or other liquids to spill on or into the monitor.
- 1 Keep flat panel monitor in room temperature conditions. Excessive cold or hot conditions can have an adverse effect on the liquid crystal of the display.
- 1 Never insert anything metallic into the monitor openings. Doing so may create the danger of electric shock.


- 1 To avoid electric shock, never touch the inside of the monitor. Only a qualified technician should open the monitor case.
- 1 Never use your monitor if the power cable has been damaged. Ensure that nothing rests on your computer's cables and that the cables are not located where they can be stepped on or tripped over.
- 1 Be sure to grasp the plug, not the cable, when disconnecting the monitor from an electric socket.
- 1 Openings in the monitor cabinet are provided for ventilation. To prevent overheating, these openings should not be blocked or covered. Avoid using the monitor on a bed, sofa, rug, or other soft surface, as doing so may block the ventilation openings in the bottom of the cabinet. If you place the monitor in a bookcase or an enclosed space, be sure to provide adequate ventilation and air flow.
- 1 Place your monitor in a location with low humidity and minimum dust. Avoid places similar to a damp basement or dusty hallway.
- 1 Do not expose the monitor to rain or use it near water (in kitchens, next to swimming pools, etc.). If the monitor accidentally gets wet, unplug it and contact an authorized dealer immediately. You can clean the monitor with a damp cloth when necessary, being sure to unplug the monitor first.
- 1 Place the monitor on a solid surface and treat it carefully. The screen is made of glass and can be damaged if dropped or hit sharply.
- 1 Locate your monitor near an easily accessible electric outlet.
- 1 If your monitor does not operate normally - in particular, if there are any unusual sounds or smells coming from it - unplug it immediately and contact an authorized dealer or service center.
- 1 Do not attempt to remove the back cover, as you will be exposed to an electrical shock hazard. The back cover should only be removed by qualified service personnel.
- 1 High temperatures can cause problems. Don't use your monitor in direct sunlight, and keep it away from heaters, stoves, fireplaces, and other sources of heat.
- 1 Unplug the monitor when it is going to be left unused for an extended period of time.
- 1 Unplug your monitor from the electric outlet before any service is performed.
- 1  LAMP(S) INSIDE THIS PRODUCT CONTAIN(S) MERCURY AND MUST BE RECYCLED OR DISPOSED OFF ACCORDING TO LOCAL, STATE OR FEDERAL LAWS. FOR MORE INFORMATION, GO TO [WWW.DELL.COM/HG](http://WWW.DELL.COM/HG) OR CONTACT THE ELECTRONIC INDUSTRIES ALLIANCE AT [WWW.EIAE.ORG](http://WWW.EIAE.ORG).

## Contacting Dell


You can contact Dell through the Internet and by phone:

- 1 For support through the web, go to [support.dell.com](http://support.dell.com).
- 1 For worldwide support through the web, use the **Choose A Country/Region** menu near the bottom of the page, or see the web addresses listed in the following table.
- 1 For support by e-mail, see the e-mail addresses listed in the following table.

 **NOTE:** Toll-free numbers are for use within the country for which they are listed.

 **NOTE:** In certain countries, support specific to Dell™ XPS™ computers is available at a separate telephone number listed for participating countries. If you do not see a telephone number listed that is specific for XPS computers, you may contact Dell through the support number listed and your call will be routed appropriately.

- 1 For support by phone, use the phone numbers and codes provided in the following table. If you need assistance in determining which codes to use, contact a local or an international operator.

 **NOTE:** The contact information provided was deemed correct at the time that this document went to print and is subject to change.

Country (City) International Access Code Country Code City Code	Service Type	Area Codes, Local Numbers, and Toll-Free Numbers Web and E-Mail Address
Anguilla	Online Support	<a href="http://www.dell.com/ai">www.dell.com/ai</a>
	E-mail Address	<a href="mailto:ia-techsupport@dell.com">ia-techsupport@dell.com</a>
	Technical Support, Customer Service, Sales	toll-free: 800-335-0031
Antigua and Barbuda	Online Support	<a href="http://www.dell.com.ag">www.dell.com.ag</a>
		<a href="mailto:ia-techsupport@dell.com">ia-techsupport@dell.com</a>
	Technical Support, Customer Service, Sales	1-800-805-5924
Aomen Country Code:853	Technical Support	toll-free:0800-105
	Customer Service (Xiamen, China)	34 160 910
	Transaction Sales (Xiamen, China)	29 693 115
Argentina (Buenos Aires)	Online Support	<a href="http://www.dell.com.ar">www.dell.com.ar</a>

International Access Code: 00	E-mail for Desktops and Portables	la-techsupport@dell.com
Country Code: 54	E-mail for Servers and EMC® Storage Products	la-techsupport@dell.com
City Code: 11	Customer Service	toll-free: 0-800-444-0730
	Technical Support- Dell PowerApp™, Dell PowerEdge™, Dell PowerConnect™, and Dell PowerVault™	toll-free: 0-800-222-0154
	Technical Support Services	toll-free: 0-800-444-0724
	Sales	0-810-444-3355
Aruba	Online Support	www.dell.com.aw
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 800-1578
Australia (Sydney) International Access Code: 0011 Country Code: 61 City Code: 2	Online Support	support.ap.dell.com
		support.ap.dell.com.contactus
	Technical Support	
	Technical Support for XPS computers onlycomputers only	toll-free: 1300 790 877
	Home and Home Office	toll-free: 1300-655-533
	Medium and Large Business	toll-free: 1800-633-559
	Small Business, Education, Local Government	toll-free: 1800-060-889
	Customer Service	toll-free: 1300-662-196
Austria (Vienna) International Access Code: 900 Country Code: 43 City Code: 1	Online Support	support.euro.dell.com
		tech_support_central_europe@dell.com
	Technical Support for XPS computers onlycomputers only	08 20 24 05 30 81
	Home/Small Business Sales	08 20 24 05 30 00
	Home/Small Business Fax	08 20 24 05 30 49
	Home/Small Business Customer Service	08 20 24 05 30 14
	Home/Small Business Support	08 20 24 05 30 17
	Preferred Accounts/Corporate Customer Service	08 20 24 05 30 16
	Preferred Accounts/Corporate Support	08 20 24 05 30 17
	Switchboard	0820 240 530 00
Bahamas	Online Support	www.dell.com/bs
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-866-874-3038
Barbados	Online Support	www.dell.com/bb
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	1-800-534-3142
Belgium (Brussels) International Access Code: 00 Country Code: 32 City Code: 2	Online Support	support.euro.dell.com
	Technical Support for XPS computers onlycomputers only	02 481 92 96
	General Support	02 481 92 88
	General Support Fax	02 481 92 95
	Customer Service	02 713 15 .65
	Corporate Sales	02 481 91 00
	Fax	02 481 92 99
	Switchboard	02 481 91 00
Bermuda	Online Support	www.dell.com/bm
		la-techsupport@dell.com

	Technical Support, Customer Service, Sales	1-877-890-0751	
<b>Bolivia</b>	Online Support	www.dell.com/bo	
		la-techsupport@dell.com	
	Technical Support, Customer Service, Sales	toll-free: 800-10-0238	
<b>Brazil</b> International Access Code: 00 Country Code: 55 City Code: 51	Online Support	www.dell.com/br	
		BR_TechSupport@dell.com	
	Customer Service and Tech Support	0800 970 3355	
	Technical Support Fax	51 2104 5470	
	Customer Service Fax	51 2104 5480	
	Sales	0800 970 3390	
<b>British Virgin Islands</b>	Technical Support, Customer Service, Sales	toll-free: 1-866-278-6820	
<b>Brunei</b> Country Code: 673	Technical Support (Penang, Malaysia)	604 633 4966	
	Customer Service (Penang, Malaysia)	604 633 3101 or toll-free: 801 1012	
	Transaction Sales (Penang, Malaysia)	604 633 3101 or toll-free: 801 1012	
<b>Canada (North York, Ontario)</b> International Access Code: 011	Online Order Status	www.dell.ca/ostatus	
	Online Support	support.ca.dell.com	
	AutoTech (automated Hardware and Warranty Support)	toll-free: 1-800-247-9362	
	<b>Customer Service</b>		
	Home/Home Office	toll-free: 1-800-847-4096	
	Small Business	toll-free: 1-800-906-3355	
	Medium/Large Business, Government, Education	toll-free: 1-800-387-5757	
	<b>Hardware Warranty Phone Support</b>		
	XPS Computers Only	toll-free: 1-866-398-8977	
	Computers for Home/Home Office	toll-free: 1-800-847-4096	
	Computers for Small/Medium/Large Business, Government	toll-free: 1-800-387-5757	
	Printers, Projectors, Televisions, Handheld, Digital Jukebox, and Wireless	1-877-335-5767	
	<b>Sales</b>		
	Home and Home Office Sales	toll-free: 1-800-999-3355	
	Small Business	toll-free: 1-800-387-5752	
	Medium/Large Business, Government	toll-free: 1-800-387-5755	
	Spare Parts and Extended Service	1 866 440 3355	
	<b>Cayman Islands</b>	Online Support	la-techsupport@dell.com
		Technical Support, Customer Service, Sales	1-877-262-5415
<b>Chile (Santiago)</b> Country Code: 56 City Code: 2	Online Support	www.dell.com/cl	
		la-techsupport@dell.com	
	Sales and Customer Support	toll-free: 1230-020-3397 or 800-20-1385	
<b>China (Xiamen)</b> Country Code: 86 City Code: 592	Online Support	support.dell.com.cn	
	Technical Support E-mail	cn_support@dell.com	
	Customer Service E-mail	customer_cn@dell.com	
	Technical Support Fax	592 818 1350	
	Technical Support – XPS computers only	toll-free: 800 858 0540	
	Technical Support – Dell™ Dimension™ and Dell Inspiron™	toll-free: 800 858 2969	
Technical Support – Dell OptiPlex™, Dell Latitude™, and Dell Precision™	toll-free: 800 858 0950		

	Technical Support – Servers and Storage	toll-free: 800 858 0960
	Technical Support – Projectors, PDAs, Switches, Routers, etc.	toll-free: 800 858 2920
	Technical Support – Printers	toll-free: 800 858 2311
	Customer Service	toll-free: 800 858 2060
	Customer Service Fax	592 818 1308
	Home and Small Business	toll-free: 800 858 2222
	Preferred Accounts Division	toll-free: 800 858 2557
	Large Corporate Accounts GCP	toll-free: 800 858 2055
	Large Corporate Accounts Key Accounts	toll-free: 800 858 2628
	Large Corporate Accounts North	toll-free: 800 858 2999
	Large Corporate Accounts North Government and Education	toll-free: 800 858 2955
	Large Corporate Accounts East	toll-free: 800 858 2020
	Large Corporate Accounts East Government and Education	toll-free: 800 858 2669
	Large Corporate Accounts Queue Team	toll-free: 800 858 2572
	Large Corporate Accounts South	toll-free: 800 858 2355
	Large Corporate Accounts West	toll-free: 800 858 2811
	Large Corporate Accounts Spare Parts	toll-free: 800 858 2621
<b>Colombia</b>	Online Support	www.dell.com/co
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	01-800-915-4755
<b>Costa Rica</b>	Online Support	www.dell.com/cr
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	0800-012-0231
<b>Czech Republic (Prague)</b> International Access Code: <b>00</b> Country Code: <b>420</b>	Online Support	support.euro.dell.com
		czech_dell@dell.com
	Technical Support	22537 2727
	Customer Service	22537 2707
	Fax	22537 2714
	Technical Fax	22537 2728
	Switchboard	22537 2711
<b>Denmark (Copenhagen)</b> International Access Code: <b>00</b> Country Code: <b>45</b>	Online Support	support.euro.dell.com
	Technical Support for XPS computers onlycomputers only	7010 0074
	Technical Support	7023 0182
	Customer Service – Relational	7023 0184
	Home/Small Business Customer Service	3287 5505
	Switchboard – Relational	3287 1200
	Switchboard Fax – Relational	3287 1201
	Switchboard – Home/Small Business	3287 5000
	Switchboard Fax – Home/Small Business	3287 5001
<b>Dominica</b>	Online Support	www.dell.com/dm
		la-techsupport@dell.com
	Technical Support,	toll-free: 1-866-278-6821



	Customer Service, Sales	
<b>Dominican Republic</b>	Online Support	www.dell.com/do
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	1-800-156-1588
<b>Ecuador</b>	Online Support	www.dell.com/ec
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales (calling from Quito)	toll-free: 999-119-877-655-3355
	Technical Support, Customer Service, Sales (calling from Guayaquil)	toll-free: 1800-999-119-877-655-3355
<b>El Salvador</b>	Online Support	www.dell.com/sv
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	800-6132
<b>Finland (Helsinki)</b>  International Access Code: <b>990</b>  Country Code: <b>358</b>  City Code: <b>9</b>	Online Support	support.euro.dell.com
		fi_support@dell.com
	Technical Support	0207 533 555
	Customer Service	0207 533 538
	Switchboard	0207 533 533
	Fax	0207 533 530
	Sales under 500 employees	0207 533 540
	Sales over 500 employees	0207 533 533
<b>France (Paris) (Montpellier)</b>  International Access Code: <b>00</b>  Country Code: <b>33</b>  City Codes: <b>(1) (4)</b>	Online Support:	support.euro.dell.com
	Technical Support for XPS computers only	0825 387 129
	<b>Home and Small Business</b>	
	Technical Support	0825 387 270
	Customer Service	0825 823 833
	Switchboard	0825 004 700
	Switchboard (calls from outside of France)	04 99 75 40 00
	Sales	0825 004 700
	Fax	0825 004 701
	Fax (calls from outside of France)	04 99 75 40 01
	<b>Corporate</b>	
	Technical Support	0825 004 719
	Customer Service	0825 338 339
	Switchboard	01 55 94 71 00
	Sales	01 55 94 71 00
	Fax	01 55 94 71 01
	<b>Germany (Frankfurt)</b>  International Access Code: <b>00</b>  Country Code: <b>49</b>  City Code: <b>69</b>	Online Support
		tech_support_central_europe@dell.com
Technical Support for XPS computers only		069 9792 7222
Technical Support		069 9792-7200
Home/Small Business Customer Service		0180-5-224400
Global Segment Customer Service		069 9792-7320
Preferred Accounts Customer Service		069 9792-7320
Large Accounts Customer Service		069 9792-7320
Public Accounts Customer Service		069 9792-7320
Switchboard		069 9792-7000
<b>Greece</b>  International Access Code: 00	Online Support	support.euro.dell.com
	Technical Support	00800-44 14 95 18
	Gold Service Technical	00800-44 14 00 83

Country Code: 30	Support	
	Switchboard	2108129810
	Gold Service Switchboard	2108129811
	Sales	2108129800
	Fax	2108129812
Grenada	Online Support	www.dell.com/gd
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-866-540-3355
Guatemala	Online Support	www.dell.com/gt
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	1-800-999-0136
Guyana	Online Support	la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-877-270-4609
Hong Kong International Access Code: 001 Country Code: 852	Online Support	support.ap.dell.com
		support.dell.com.cn/email
	Technical Support - XPS computers only	00852-3416 6923
	Technical Support - Dimension and Inspiron	00852-2969 3188
	Technical Support - OptiPlex, Latitude, and Dell Precision	00852-2969 3191
	Technical Support - Servers and Storage	00852-2969 3196
	Technical Support - Projectors, PDAs, Switches, Routers, etc.	00852-3416 0906
	Customer Service	00852-3416 0910
	Large Corporate Accounts	00852-3416 0907
	Global Customer Programs	00852-3416 0908
	Medium Business Division	00852-3416 0912
	Home and Small Business Division	00852-2969 3105
India	Online Support	support.ap.dell.com
	Portable and Desktop Support	
	Desktop Support E-mail	india_support_desktop@dell.com
	Portable Support E-mail	india_support_notebook@dell.com
	Phone Numbers	080-25068032 or 080-25068034 or your city STD code + 60003355 or toll-free: 1-800-425-8045
	<b>Server Support</b>	
	E-mail	india_support_Server@dell.com
	Phone Numbers	080-25068032 or 080-25068034 or your city STD code + 60003355 or toll-free: 1800 425 8045
	<b>Gold Support Only</b>	
	E-mail	eec_ap@dell.com
	Phone Numbers	080-25068033 or your city STD code + 60003355 or toll-free: 1-800-425-9045
	<b>XPS Support Only</b>	
	E-mail	Indiaxps_AP@dell.com
	Phone Numbers	080-25068066 or toll-free: 1-800-425-2066
	<b>Customer Service</b>	
	Home and Small Business	India_care_HSB@dell.com toll-free: 1800-4254051
	Large Corporate Accounts	India_care_REL@dell.com toll-free: 1800-4252067
	<b>Sales</b>	
	Large Corporate Accounts	1600 33 8044

	Home and Small Business	1600 33 8046	
<b>Ireland (Cherrywood)</b>	Online Support	support.euro.dell.com	
	International Access Code: <b>00</b>	dell_direct_support@dell.com	
	Country Code: <b>353</b>	<b>Technical Support</b>	
		XPS computers only	1850 200 722
	City Code: <b>1</b>	Business computers	1850 543 543
		Home computers	1850 543 543
	At Home Support	1850 200 889	
	<b>Sales</b>		
	Home	1850 333 200	
	Small Business	1850 664 656	
	Medium Business	1850 200 646	
	Large Business	1850 200 646	
	Sales E-mail	Dell_IRL_Outlet@dell.com	
	<b>Customer Service</b>		
	Home and Small Business	01 204 4014	
	Business (greater than 200 employees)	1850 200 982	
	<b>General</b>		
	Fax/Sales Fax	01 204 0103	
	Switchboard	01 204 4444	
	U.K. Customer Service (dial within U.K. only)	0870 906 0010	
	Corporate Customer Service (dial within U.K. only)	0870 907 4499	
U.K. Sales (dial within U.K. only)	0870 907 4000		
<b>Italy (Milan)</b>	Online Support	support.euro.dell.com	
	International Access Code: <b>00</b>	<b>Home and Small Business</b>	
	Country Code: <b>39</b>	Technical Support	02 577 826 90
		Customer Service	02 696 821 14
	City Code: <b>02</b>	Fax	02 696 821 13
		Switchboard	02 696 821 12
	<b>Corporate</b>		
	Technical Support	02 577 826 90	
	Customer Service	02 577 825 55	
	Fax	02 575 035 30	
Switchboard	02 577 821		
<b>Jamaica</b>	Online Support	ja-techsupport@dell.com	
	Technical Support, Customer Service, Sales (dial from within Jamaica only)	1-800-440-9205	
<b>Japan (Kawasaki)</b>	Online Support	support.jp.dell.com	
	International Access Code: <b>001</b>	Technical Support - XPS computers only	
	Country Code: <b>81</b>	Technical Support outside of Japan - XPS computers only	81-44-520-1235
		Technical Support - Dimension and Inspiron	toll-free: 0120-198-226
	City Code: <b>44</b>	Technical Support outside of Japan - Dimension and Inspiron	81-44-520-1435
		Technical Support - Dell Precision, OptiPlex, and Latitude	toll-free: 0120-198-433
	Technical Support outside of Japan - Dell Precision, OptiPlex, and Latitude	81-44-556-3894	
	Technical Support - Dell PowerApp, Dell PowerEdge, Dell PowerConnect, and Dell PowerVault	toll-free: 0120-198-498	
	Technical Support outside	81-44-556-4162	

	of Japan – PowerApp, PowerEdge, PowerConnect, and PowerVault	
	Technical Support – Projectors, PDAs, Printers, Routers	toll-free: 0120-981-690
	Technical Support outside of Japan – Projectors, PDAs, Printers, Routers	81-44-556-3468
	Faxbox Service	044-556-3490
	24-Hour Automated Order Status Service	044-556-3801
	Customer Service	044-556-4240
	Business Sales Division - up to 400 employees	044-556-1465
	Preferred Accounts Division Sales - over 400 employees	044-556-3433
	Public Sales - government agencies, educational institutions, and medical institutions	044-556-5963
	Global Segment Japan	044-556-3469
	Individual User	044-556-1657
	Individual User Online Sales	044-556-2203
	Individual User Real Site Sales	044-556-4649
<b>Korea (Seoul)</b> International Access Code: <b>001</b> Country Code: <b>82</b> City Code: <b>2</b>	Online Support	support.ap.dell.com
	Technical Support for XPS computers only	toll-free: 080-999-0283
	Technical Support, Customer Service	toll-free: 080-200-3800
	Technical Support – Dimension, PDA, Electronics, and Accessories	toll-free: 080-200-3801
	Sales	toll-free: 080-200-3600
	Fax	2194-6202
	Switchboard	2194-6000
<b>Latin America</b>	Customer Technical Support (Austin, Texas, U.S.A.)	512 728-4093
	Customer Service (Austin, Texas, U.S.A.)	512 728-3619
	Fax (Technical Support and Customer Service) (Austin, Texas, U.S.A.)	512 728-3883
	Sales (Austin, Texas, U.S.A.)	512 728-4397
	SalesFax (Austin, Texas, U.S.A.)	512 728-4600 or 512 728-3772
<b>Luxembourg</b> International Access Code: <b>00</b> Country Code: <b>352</b>	Online Support	support.euro.dell.com
	Support	342 08 08 075
	Home/Small Business Sales	+32 (0)2 713 15 96
	Corporate Sales	26 25 77 81
	Customer Service	+32 (0)2 481 91 19
	Fax	26 25 77 82
<b>Malaysia (Penang)</b> International Access Code: <b>00</b> Country Code: <b>60</b> City Code: <b>4</b>	Online Support	support.ap.dell.com
	Technical Support - XPS computers only	toll-free: 1 800 885 784
	Technical Support - Dell Precision, OptiPlex, and Latitude	toll-free: 1 800 880 193
	Technical Support - Dimension, Inspiron, and Electronics and Accessories	toll-free: 1 800 881 306
	Technical Support - PowerApp, PowerEdge, PowerConnect, and PowerVault	toll-free: 1800 881 386
	Customer Service	toll-free: 1800 881 306(option6)

	Transaction Sales	toll-free: 1 800 888 202
	Corporate Sales	toll-free: 1 800 888 213
<b>Mexico</b>	Online Support	www.dell.com/mx
International Access Code: 00		la-techsupport@dell.com
Country Code: 52	Technical Support	001-866-563-4425
	Sales	50-81-8800 or 01-800-888-3355
	Customer Service	001-877-384-8979 or 001-877-269-3383
	Main	50-81-8800 or 001-800-888-3355 or 001-866-851-1754
<b>Montserrat</b>	Online Support	la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-866-278-6822
<b>Netherlands Antilles</b>	Online Support	la-techsupport@dell.com
	Technical Support, Customer Service, Sales	001-800-882-1519
<b>Netherlands (Amsterdam)</b>	Online Support	support.euro.dell.com
International Access Code: 00	Technical Support for XPS computers only	020 674 45 94
Country Code: 31	Technical Support	020 674 45 00
City Code: 20	Technical Support Fax	020 674 47 66
	Home/Small Business Customer Service	020 674 42 00
	Relational Customer Service	020 674 4325
	Home/Small Business Sales	020 674 55 00
	Relational Sales	020 674 50 00
	Home/Small Business Sales Fax	020 674 47 75
	Relational Sales Fax	020 674 47 50
	Switchboard	020 674 50 00
	Switchboard Fax	020 674 47 50
<b>New Zealand</b>	Online Support	support.ap.dell.com
International Access Code: 00		support.ap.dell.com/contactus
Country Code: 64	Technical Support for XPS computers only	toll-free: 0800 335 540
	Technical Support, Customer Service, Sales	0800 441 567
<b>Nicaragua</b>	Online Support	www.dell.com/ni
		la-techsupport@dell.com
	Technical Support, Customer Service, Salesz	001-800-220-1377
<b>Norway (Lysaker)</b>	Online Support	support.euro.dell.com
International Access Code: 00	Technical Support for XPS computers only	815 35 043
Country Code: 47	Technical Support	671 16882
	Relational Customer Service	671 17575
	Home/Small Business Customer Service	23162298
	Switchboard	671 16800
	Fax Switchboard	671 16865
<b>Panama</b>	Online Support	www.dell.com/pa
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	011-800-507-1264
<b>Peru</b>	Online Support	www.dell.com/pe
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	0800-50-669
<b>Poland (Warsaw)</b>	Online Support	support.euro.dell.com
International Access Code: 011		pl_support_tech@dell.com
	Customer Service Phone	57 95 700

Country Code: <b>48</b>  City Code: <b>22</b>	Customer Service	57 95 999	
	Sales	57 95 999	
	Customer Service Fax	57 95 806	
	Reception Desk Fax	57 95 998	
	Switchboard	57 95 999	
<b>Portugal</b>  International Access Code: <b>00</b>  Country Code: <b>351</b>	Online Support	support.euro.dell.com	
	Technical Support	707200149	
	Customer Service	800 300 413	
	Sales	800 300 410 or 800 300 411 or 800 300 412 or 21 422 07 10	
	Fax	21 424 01 12	
<b>Puerto Rico</b>	Online Support	www.dell.com/pr la-techsupport@dell.com	
	Technical Support	toll-free: 1-866-390-4695 or 1-866-851-1760	
	Customer Service and Sales	1-877-537-3355	
	Online Support	www.dell.com/kn la-techsupport@dell.com	
	Technical Support, Customer Service, Sales	toll-free: 1-866-540-3355	
<b>St. Lucia</b>	Online Support	www.dell.com/lc la-techsupport@dell.com	
	Technical Support, Customer Service, Sales	toll-free: 1-866-464-4352	
	Online Support	www.dell.com/vc la-techsupport@dell.com	
<b>St. Vincent and the Grenadines</b>	Technical Support, Customer Service, Sales	toll-free: 1-866-464-4353	
	<b>Singapore (Singapore)</b>  International Access Code: <b>005</b>  Country Code: <b>65</b>	<b>NOTE:</b> The phone numbers in this section should be called from within Singapore or Malaysia only.	
		Online Support	support.ap.dell.com
Technical Support – XPS computers only		toll-free: 1800 394 7464	
Technical Support – Dimension, Inspiron, and Electronics and Accessories		toll-free: 1800 394 7430	
Technical Support – OptiPlex, Latitude, and Dell Precision		toll-free: 1800 394 7488	
Technical Support – PowerApp, PowerEdge, PowerConnect, and PowerVault		toll-free: 1800 394 7478	
Customer Service		toll-free: 1800 394 7430(option6)	
Transaction Sales		toll-free: 1 800 394 7412	
Corporate Sales		toll-free: 1 800 394 7419	
<b>Slovakia (Prague)</b>  International Access Code: <b>00</b>  Country Code: <b>421</b>		Online Support	support.euro.dell.com czech_dell@dell.com
	Technical Support	02 5441 5727	
	Customer Service	420 22537 2707	
	Fax	02 5441 8328	
	Tech Fax	02 5441 8328	
	Switchboard (Sales)	02 5441 7585	
	<b>South Africa (Johannesburg)</b>  International Access Code: <b>09/091</b>  Country Code: <b>27</b>  City Code: <b>11</b>	Online Support	support.euro.dell.com dell_za_support@dell.com
Gold Queue		011 709 7713	
Technical Support		011 709 7710	
Customer Service		011 709 7707	
Sales		011 709 7700	
Fax		011 706 0495	
Switchboard		011 709 7700	

<b>Southeast Asian and Pacific Countries</b>	Technical Support, Customer Service, and Sales (Penang, Malaysia)	604 633 4810
<b>Spain (Madrid)</b>	Online Support	support.euro.dell.com
International Access Code: <b>00</b>	<b>Home and Small Business</b>	
Country Code: <b>34</b>	Technical Support	902 100 130
City Code: <b>91</b>	Customer Service	902 118 540
	Sales	902 118 541
	Switchboard	902 118 541
	Fax	902 118 539
	<b>Corporate</b>	
	Technical Support	902 100 130
	Customer Service	902 115 236
	Switchboard	91 722 92 00
	Fax	91 722 95 83
<b>Sweden (Upplands Vasby)</b>	Online Support	support.euro.dell.com
International Access Code: <b>00</b>	Technical Support for XPS computers only	77 134 03 40
Country Code: <b>46</b>	Technical Support	08 590 05 199
City Code: <b>8</b>	Relational Customer Service	08 590 05 642
	Home/Small Business Customer Service	08 587 70 527
	Employee Purchase Program (EPP) Support	020 140 14 44
	Technical Support Fax	08 590 05 594
	Sales	08 587 705 81
<b>Switzerland (Geneva)</b>	Online Support	support.euro.dell.com
International Access Code: <b>00</b>		Tech_support_central_Europe@dell.com
Country Code: <b>41</b>	Technical Support for XPS computers only	0848 33 88 57
City Code: <b>22</b>	Technical Support – Home and Small Business	0844 811 411
	Technical Support – Corporate	0844 822 844
	Customer Service – Home and Small Business	0848 802 202
	Customer Service – Corporate	0848 821 721
	Main	0848 335 599
	Fax	022 799 01 90
	Sales	022 799 01 01
<b>Taiwan</b>	Online Support	support.ap.dell.com
International Access Code: <b>002</b>		support.dell.com.cn/email
Country Code: <b>886</b>	Technical Support – XPS computers only	toll-free: 0080 186 3085
	Technical Support – OptiPlex, Latitude, Inspiron, Dimension, and Electronics and Accessories	toll-free: 0080 186 1011
	Technical Support – servers and storage	toll-free: 0080 160 1256
	Customer Service	toll-free: 0080 160 1250 (option 5)
	Transaction Sales	toll-free: 0080 165 1228
	Corporate Sales	toll-free: 0080 165 1227
<b>Thailand</b>	Online Support	support.ap.dell.com
International Access Code: <b>001</b>	Technical Support (OptiPlex, Latitude, and Dell Precision)	toll-free: 1800 0060 07
Country Code: <b>66</b>	Technical Support (PowerApp, PowerEdge, PowerConnect, and PowerVault)	toll-free: 1800 0600 09
	Customer Service	toll-free: 1800 006 007 (option7)
	Corporate Sales	toll-free: 1800 006 009

	Transaction Sales	toll-free: 1800 006 006
<b>Trinidad/Tobago</b>	Online Support	www.dell.com/tt
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	1-888-799-5908
<b>Turks and Caicos Islands</b>	Online Support	www.dell.com/tc
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-877-441-4735
<b>U.K. (Bracknell)</b>  International Access Code: 00  Country Code: 44  City Code: 1344	Online Support	support.euro.dell.com
		dell_direct_support@dell.com
	Customer Service Online	support.euro.dell.com/uk/en/ECare/Form/Home.asp
	<b>Sales</b>	
	Home and Small Business Sales	0870 907 4000
	Corporate/Public Sector Sales	01344 860 456
	<b>Customer Service</b>	
	Home and Small Business	0870 906 0010
	Corporate	01344 373 185
	Preferred Accounts (500- 5000 employees)	0870 906 0010
	Global Accounts	01344 373 186
	Central Government	01344 373 193
	Local Government & Education	01344 373 199
	Health	01344 373 194
	<b>Technical Support</b>	
	XPS Computers Only	0870 366 4180
	Corporate/Preferred Accounts/PAD (1000+ employees)	0870 908 0500
	Other Dell Products	0870 353 0800
	<b>General</b>	
	Home and Small Business Fax	0870 907 4006
<b>Uruguay</b>	Online Support	www.dell.com/uy
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 000-413-598-2521
<b>U.S.A. (Austin, Texas)</b>  International Access Code: 011  Country Code: 1	Dell Services for the Deaf, Hard-of-Hearing, or Speech-Impaired	toll-free: 1-877-Dell™TY (1-877-335-5889)
	Fax	toll-free: 1-800-727-8320
	<b>Technical Support</b>	support.dell.com
	XPS	toll-free: 1-800-232-8544
	Home and Home Office	toll-free: 1-800-624-9896
	Portable and Desktop AutoTech	toll-free: 1-800-247-9362
	Small Business	toll-free: 1-800-456-3355
	Medium and Large Business	toll-free: 1-877-671-3355
	State and Local Government	toll-free: 1-800-981-3355
	Federal Government	toll-free: 1-800-727-1100
	Healthcare	toll-free: 1-800-274-1550
	K-12 Education	toll-free: 1-888-977-3355
	Higher Education	toll-free: 1-800-274-7799
	Printers, Projectors, PDAs, and MP3 Players	toll-free: 1-877-459-7298
	<b>Customer Service</b>	toll-free: 1-800-624-9897
	Automated Order Status	toll-free: 1-800-433-9014
	Small Business	toll-free: 1-800-456-3355



	Medium and Large Business	toll-free: 1-877-671-3355
	State and Local Government	toll-free: 1-800-981-3355
	Federal Government	toll-free: 1-800-727-1100
	Healthcare	toll-free: 1-800-274-1550
	K-12 Education	toll-free: 1-888-977-3355
	Higher Education	toll-free: 1-800-274-7799
	Employee Purchase Program (EPP)	toll-free: 1-800-695-8133
	<b>Financial Services</b>	www.dellfinancialservices.com
	Leases and Loans	toll-free: 1-877-577-3355
	Dell Preferred Accounts (DPA)	toll-free: 1-800-283-2210
	Sales	1-800-289-3355 or 1-800-879-3355
	Dell Outlet Store	toll-free: 1-888-798-7561
	Software and Peripherals Sales	toll-free: 1-800-671-3355
<b>U.S. Virgin Islands</b>	Online Support	www.dell.com/vi
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-877-702-4360
<b>Venezuela</b>	Online Support	www.dell.com/ve
		la-techsupport@dell.com
	Technical Support, Customer Service, Sales	0800-100-4752

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## Setting Up Your Monitor

Dell™ 2407WFP-HC Flat Panel Monitor

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### If you have a DellIT desktop with no internet access

1. Right-click on the desktop and click **Properties**.
2. Select the **Settings** tab.
3. Select **Advanced**. If you are using Windows XP, click the **Adapter** tab.
4. Identify your graphics controller supplier from the description at the top of the window (e.g. NVIDIA, ATI, Intel etc.).
5. Follow the directions listed below for your identified Graphics Adapter:
  - o **ATI:**
    1. [ATI Folder on the CD](#) (RADEON & RAGE family only; excludes mobile and FireGL platforms).
    2. Run the installation by double clicking the executable file.
    3. After installing the drivers, attempt to set the resolution to **1920x1200** again.
  - o **NVidia:**
    1. [NVidia folder on the CD](#) (GEFORCE & TNT2 family only; excludes mobile and QUADRO chipsets).
    2. Run the installation by double clicking the executable file.
    3. After installing the drivers, attempt to set the resolution to **1920x1200** again.

 **NOTE:** If you are unable to set the resolution to 1920x1200, please contact DellIT to inquire about a Graphics Adapter that supports these resolutions.

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## Setting Up Your Monitor

Dell™ 2407WFP-HC Flat Panel Monitor

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### If you have a DellIT desktop or a DellIT 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 **1920x1200** again.

 **NOTE:** If you are unable to set the resolution to 1920x1200, please contact DellIT to inquire about a Graphics Adapter that supports these resolutions.

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## Setting Up Your Monitor

Dell™ 2407WFP-HC Flat Panel Monitor

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

1. Right-click on the desktop and click **Properties**.
2. Select the **Settings** tab.
3. Select **Advanced**.
4. Identify your graphics controller supplier from the description at the top of the window (e.g. NVIDIA, ATI, Intel etc.).
5. Please 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 **1920x1200** again.

 **NOTE:** If you are unable to set the resolution to 1920x1200, please contact the manufacturer of your computer or consider purchasing a graphics adapter that will support the video resolution of 1920x1200.

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## Setting Up Your Monitor

Dell™ 2407WFP-HC Flat Panel Monitor

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### Important instructions and graphic drivers to set the display resolution to 1920x1200 (Optimal)

For optimal display performance while using the Microsoft Windows® operating systems, set the display resolution to 1920 x 1200 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 **1920x1200**.
4. Click **OK**.

If you do not see **1920x1200** 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 with no internet access.](#)
  - 2: [If you have a Dell™ desktop or a Dell™ portable computer with internet access.](#)
  - 3: [If you have non Dell™ desktop, portable computer, or graphic card.](#)
- 

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# Dell™ 2407WFP-HC Flat Panel Monitor

- [User Guide](#)
- [Important instructions and graphic drivers to set the display resolution to 1920x1200 \(Optimal\)](#)

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Model 2407WFP-HC

March 2007 Rev. A01

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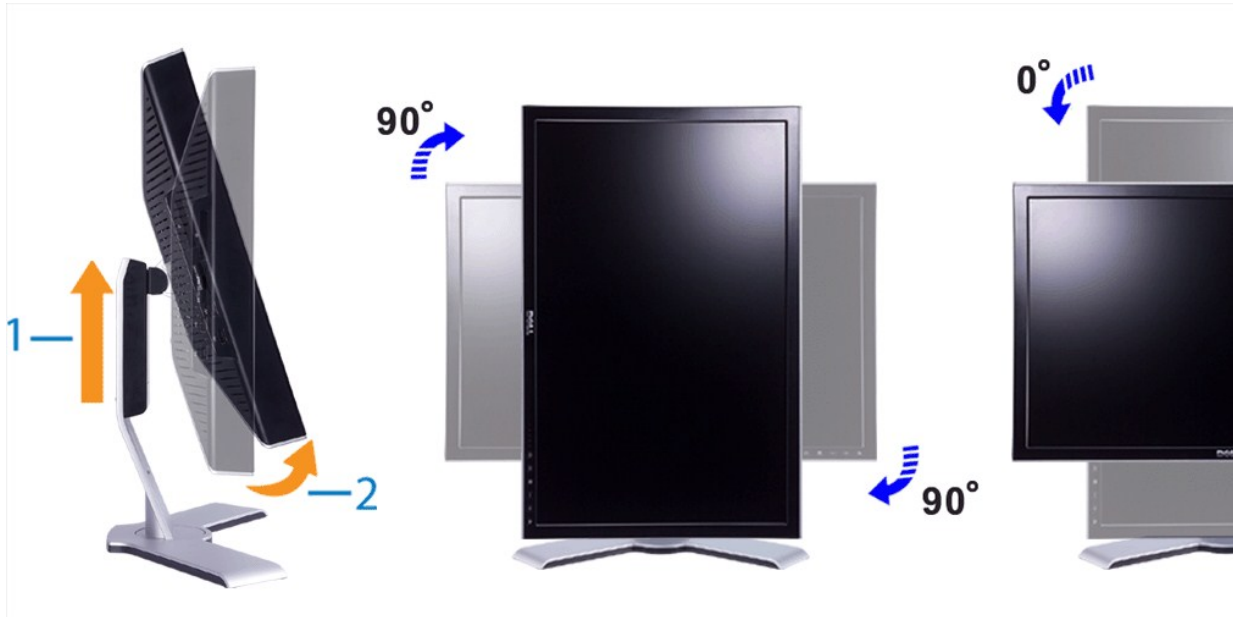
## Rotating Your Monitor

Dell™ 2407WFP-HC Flat Panel Monitor

- [Changing the Rotation of Your Monitor](#)
- [Rotating Your Operating System](#)

### Changing the Rotation of Your Monitor

Before you rotate the monitor, your monitor should be fully vertically extended ([Vertical Extension](#)) and fully tilted ([Tilt](#)) up to avoid hitting the bottom edge of the monitor.



**NOTE:** To take advantage of the "Display Rotation" function (Landscape versus Portrait view) an updated graphics driver is required for your Dell™ Computer not included with this monitor. Please download the graphics driver from [support.dell.com](http://support.dell.com) and refer to the "download" section for "Video Drivers" for latest driver updates.

**NOTE:** When in "Portrait View Mode", you may experience performance degradation in graphic-intensive applications (3D Gaming etc.)

### Rotating Your Operating System

After you have rotated your monitor, you need to complete the procedure below to rotate your operating system.

**NOTE:** If you are using the monitor with a non-Dell computer, you need to go to the graphics driver website or your computer manufacturer website for information on rotating your operating system.

1. Right-click on the desktop and click **Properties**.
2. Select the **Settings** tab and click **Advanced**.
3. If you have ATI, select the **Rotation** tab and set the preferred rotation.  
If you have nVidia, click the **nVidia** tab, in the left-hand column select **NVRotate**, and then select the preferred rotation.  
If you have Intel, select the **Intel** graphics tab, click **Graphic Properties**, select the **Rotation** tab, and then set the preferred rotation.

**NOTE:** If you do not see the rotation option or it is not working correctly, go to [support.dell.com](http://support.dell.com) and download the latest driver for your graphics card.

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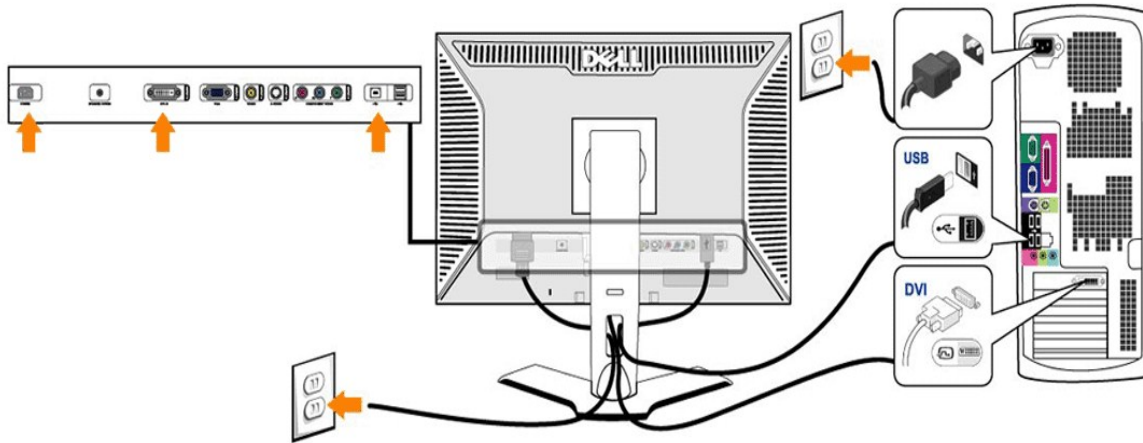
## Setting Up Your Monitor

Dell™ 2407WFP-HC Flat Panel Monitor

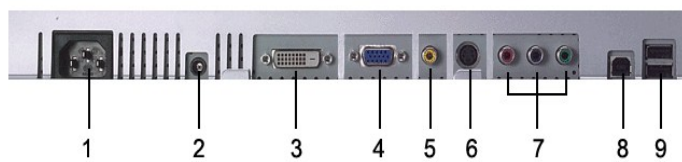
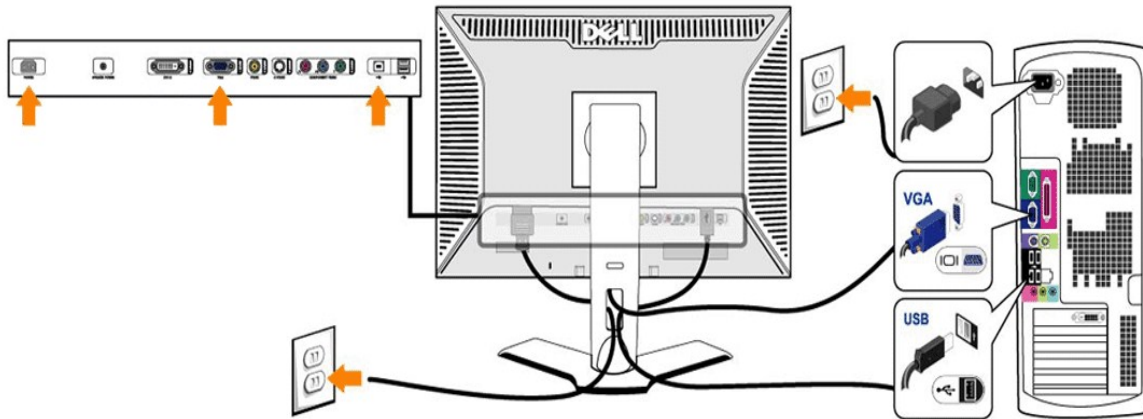
- [Connecting Your Monitor](#)
- [Using the Front Panel Buttons](#)
- [Using the OSD](#)
- [Using the Dell™ Soundbar \(Optional\)](#)

### Connecting Your Monitor

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



or







- 1 AC power cord connector
- 2 DC power connector for Dell™ Soundbar
- 3 DVI connector
- 4 VGA connector
- 5 Composite video connector
- 6 S-Video connector
- 7 Component video connectors
- 8 USB upstream port
- 9 USB downstream ports

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

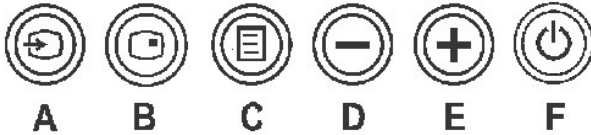
- 1 Turn off your computer and disconnect the power cable.
- 1 Connect either the white (digital DVI-D) or the blue (analog VGA) display connector cable to the corresponding video port on the back of your computer. Do not use both cables on the same computer. The only case in which both cables can be used is if they are connected to two different computers with appropriate video systems. (Graphics are for illustration only. System appearance may vary).
- 1 Connect the upstream USB port (cable supplied) to an appropriate USB port on your computer .
- 1 Connect USB peripherals to the downstream USB ports (rear or side) on the monitor. (See [rear](#) or [bottom](#) view for details.)
- 1 Plug the power cables for your computer and monitor into a nearby outlet.
- 1 Turn on the monitor and computer.
- 1 If your monitor displays an image, installation is complete. If it does not display an image, see [Solving Problems](#).
- 1 Use the cable holder on the monitor stand to neatly organize the cables.









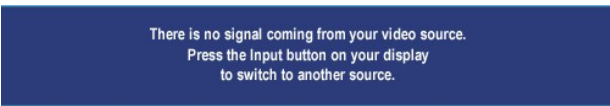
 **NOTE:** If your computer does not support the DVI connector, you can leave the cable unconnected or remove it.







 **NOTE:** For USB peripherals already connected to your computer, changing the USB connection to your monitor is not necessary.

## Using the Front Panel Buttons

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 their numeric values as they change.



<p><b>A</b></p>  <p><b>Input Source Select</b></p>	<p>Use Input Source Select button to select between five different video signals that may be connected to your monitor.</p> <ol style="list-style-type: none"> <li>1. VGA input</li> <li>2. DVI-D input</li> <li>3. S- Video input</li> <li>4. Composite video input</li> <li>5. Component video input</li> </ol> <p>As you cycle through the inputs you will see the following messages to indicate currently selected input source. It may take seconds for the image to appear.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>VGA</p> </div> <p>or</p> <div style="text-align: center;">  <p>DVI - D</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <div style="text-align: center;">  <p>S-Video</p> </div> <p>or</p> <div style="text-align: center;">  <p>Composite</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <div style="text-align: center;">  <p>Component</p> </div> </div> <p>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</p> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <div style="text-align: center;">  <p>No VGA cable</p> </div> <p>or</p> <div style="text-align: center;">  <p>No DVI-D cable</p> </div> </div> <p>If either S-Video or Composite input is selected and both cables are not connected or the video source is turned off, the screen will have an image. If any button is pressed (except power button), the monitor displays the following message:</p> <div style="text-align: center; margin-top: 10px;">  <p>There is no signal coming from your video source. Press the Input button on your display to switch to another source.</p> </div>
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B	 <p>PIP / PBP Select</p>	<p>Use this button to activate PIP (Picture-in-Picture) / PBP (Picture-by-Picture) modes adjustment.</p> <p>Pressing this button continually cycles the monitor through the following modes : OFF -&gt;PIP-&gt;PBP. You will see the following messages corresponding to the mode selected.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #002060; color: white; padding: 10px; border: 1px solid white;">Off</div> <div style="font-size: 24px;">→</div> <div style="background-color: #002060; color: white; padding: 10px; border: 1px solid white;">PIP</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="background-color: #002060; color: white; padding: 10px; border: 1px solid white;">PBP</div> </div>
C	 <p>OSD Menu / Select</p>	<p>The MENU button is used to launch the on-screen display(OSD) and select the OSD Menu. See <a href="#">Accessing the Menu System</a></p>
D	 <p>Brightness/Contrast Hot Key</p>	<p>Use this button for direct access to the "Brightness" and "Contrast" control menu.</p>
D E	 <p>Down (-) and Up (+)</p>	<p>Use these buttons for navigating and adjusting the slider-bar(decrease/increase ranges) controls in the OSD.</p>
E	 <p>Auto Adjust</p>	<p>Use this button to activate automatic setup and adjust menu. The following dialog appears on a black screen as the monitor adjusts to the current input:</p> <div style="text-align: center; background-color: black; color: white; padding: 5px; margin: 10px 0;">Auto Adjust In Progress</div> <p>Auto Adjustment allows the monitor to self-adjust to the incoming video signal. After using Auto Adjustment, you can further adjust the monitor by using the Pixel Clock (Coarse) and Phase (Fine) controls under Image Settings.</p> <p><b>NOTE:</b> Auto Adjust will not occur if you press the button while there are no active video input signals or attached cables.</p>
F	 <p>Power button (with power light indicator)</p>	<p>The green LED indicates the monitor is on and fully functional. An amber LED indicates DPMS power save mode.</p> <p>The Power button turns the monitor on and off.</p>

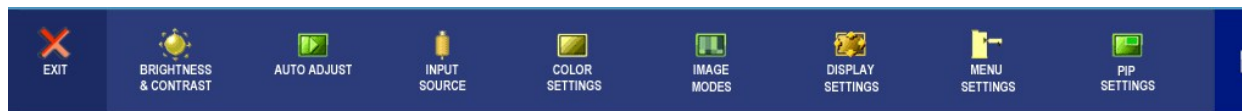
## Using the OSD

### 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 will be applied after you exit the OSD menu and then wait for the OSD menu to disappear.

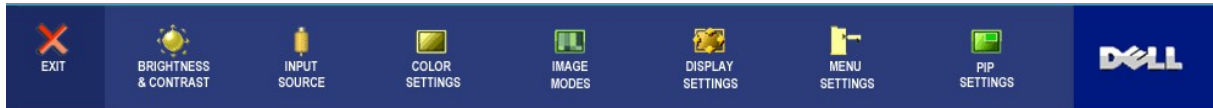
1. Push the MENU button to launch the OSD menu and display the main menu.

#### Main Menu for Analog (VGA) Input



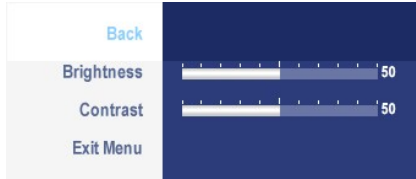

Or

#### Main Menu for non Analog (non VGA) Input



**NOTE:** AUTO ADJUST is only available when you are using 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 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 "back" option to return to the main menu or "exit" to exit the OSD menu.

Icon	Menu and Submenus	Description
	EXIT	Select to exit the main menu.
	BRIGHTNESS & CONTRAST	<p>This menu is to activate Brightness/Contrast adjustment.</p>  <p><b>Back</b> Push  to go back to the main menu.</p> <p><b>Brightness</b> Brightness adjusts the luminance of the backlight. Push the  button to increase brightness and push the  button to decrease brightness (min 0 ~ max 100).</p> <p><b>Contrast</b> 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.</p> <p><b>Exit Menu</b> Push  to exit the OSD main menu.</p>
	AUTO ADJUST	<p>Even though your computer recognizes your monitor on startup, the Auto Adjustment function optimizes the display</p>  <p><b>NOTE:</b> In most cases, Auto Adjust produces the best image for your configuration.</p> <p><b>NOTE:</b> AUTO ADJUST option is only available when you are using the analog (VGA) connector.</p>
	INPUT SOURCE	The INPUT SOURCE menu is to select between different video signals that may be connected to your monitor.



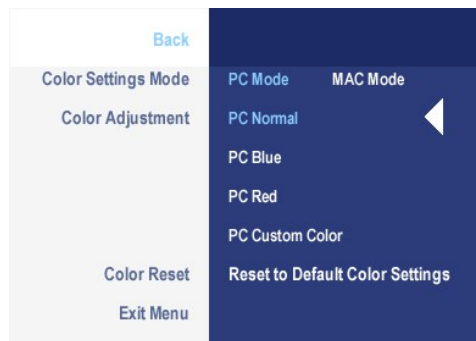
- Back** Push to go back to the main menu.
- VGA** Select VGA input when you are using the analog (VGA) connector. Push to select the VGA input source.
- DVI-D** Select DVI-D input when you are using the Digital (DVI) connector. Push to select the DVI input source.
- S-Video** Select S-Video input when you are using S-Video connector. Push to select the S-Video input source.
- Composite** Select Composite input when you are using composite video connector. Push to select the composite input source
- Component** Select Component input when you are using component video connector. Push to select the component input sou
- Scan for Sources** Push to scan for available input signals.
- Exit Menu** Push to exit the OSD main menu.



**COLOR SETTINGS**

Color Settings adjusts the color setting mode and color temperature. There are different color setting sub-menus for VGA/DVI-D and Video input.

**Color setting submenu for VGA/DVI-D input**

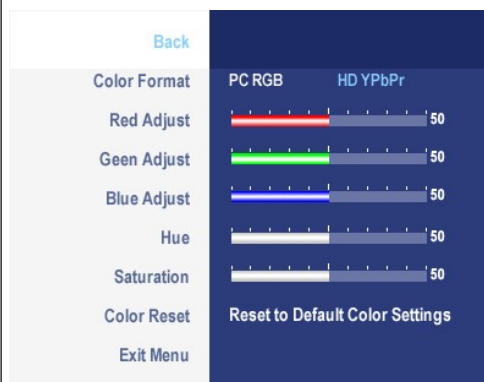


- Back** Push to go back to the main menu.
- Color Settings Mode (VGA/DVI-D)** To achieve the different color mode for PC and Mac.
- Color Adjustment** PC Blue: PC Blue is selected to obtain a bluish tint. This color setting is typically used for text based applications (Spr  
PC Red: Red Preset is selected to obtain a redder tint. This color setting is typically used for color intensive applicatic etc.).

PC Custom: Use the plus and minus buttons to increase or decrease each of the three colors (R, G, B) independently,

**NOTE:** Color temperature is a measure of the 'warmth' of the image colors (red/green/blue). The two available pres accordingly. Select each one to see how each range suits your eye....or utilize the 'Custom Color' option to customiz

**Color setting submenu for Video/DVI-HD input**



To achieve the different color domain for PC RGB and HD YPbPr (HD YPbPr is suitable for HD video playback over D display over DVI.).

**Color Format (Video/DVI-HD)**

Return your monitor color settings to those that were set at the time of manufacture.

**Color Reset**

Push to exit the OSD main menu.

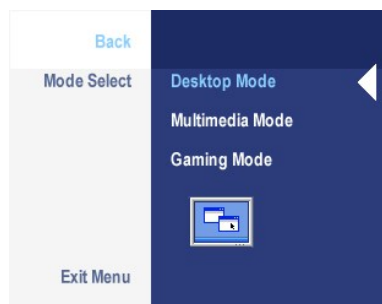
**Exit Menu**



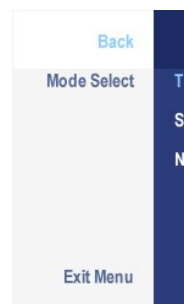
**IMAGE MODES**

There are 3 image modes for different usage.

**Image mode submenu for VGA/DVI-D input**



**Image mode submenu**



or

**NOTE:** Image modes are different between the VGA/DVI-D and Video inputs

**Back** Push to go back to the main menu.

**VGA/DVI-D input**



**Desktop Mode** Mode suitable for desktop applications.



**Multimedia Mode** Mode for multimedia applications, eg video playback.



**Gaming Mode** Mode suitable for gaming applications.

**Video input**



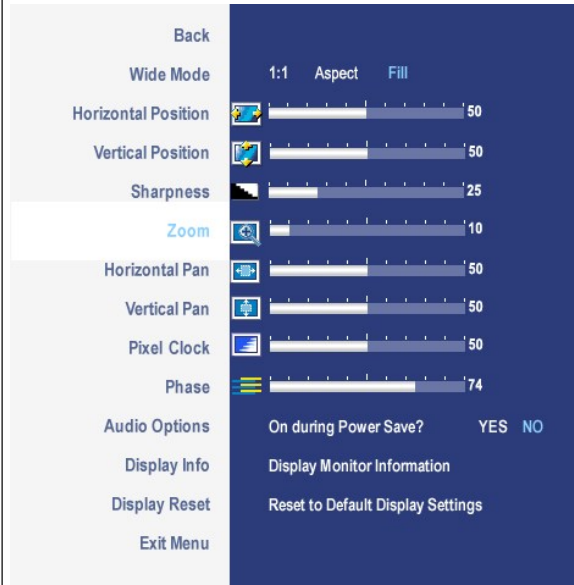
**Theater Mode** Mode suitable for movie playback.




- Sports Mode** Mode suitable for sports scenes.
- Nature Mode** Mode suitable for nature scenes.
- Exit Menu** Push **⏪** to exit the OSD main menu.


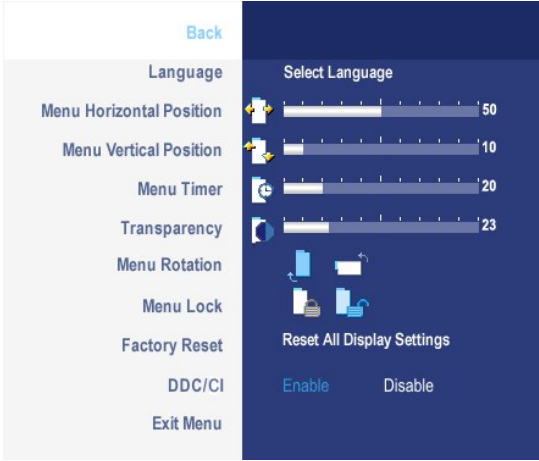






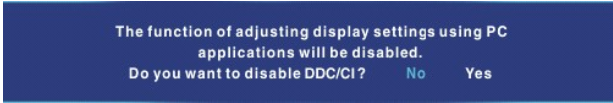




**DISPLAY SETTINGS**

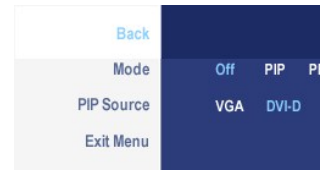
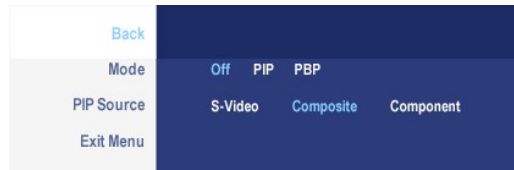


- Back** Push **⏪** to go back to the main menu.
- Wide Mode** Adjust the image ratio as 1:1, aspect or full screen.  
**NOTE:** Wide Mode adjustment is not required at optimal preset resolution 1920 x 1200.
- H Position** Use the **⏪** and **⏩** buttons to adjust image left and right. Minimum is '0' (-). Maximum is '100' (+).
- V Position** Use the **⏪** and **⏩** 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'.
- Zoom** Use the Zoom function to zoom in to specific area of interest.  
Using the **⏪** and **⏩** keys to zoom in and out.
- Horizontal Pan** After zooming in, the horizontal and vertical pan function allows you to pan the enlarged image left/right and  
**Vertical Pan** Use the **⏪** and **⏩** buttons to adjust image left and right. Minimum is '0' (-). Maximum is '100' (+).  
Use the **⏪** and **⏩** buttons to adjust image up and down. Minimum is '0' (-). Maximum is '100' (+).
- Pixel Clock** The Phase and Pixel Clock adjustments allow you to adjust your monitor to your preference. These settings are accessed in 'Image Settings'.
- Phase** Use the **⏪** and **⏩** buttons to adjust for best image quality.  
If satisfactory results are not obtained using the Phase adjustment, use the Pixel Clock (coarse) adjustment and the  
**NOTE:** Pixel Clock and Phase Adjustments are only available for "VGA" input.
- Audio Option** To turn on or off Audio Power during Power Save mode.
- Display Info** All the settings related to this monitor.
- Display Reset** Reset the image to the original factory setting.

	<p><b>Exit Menu</b></p>	<p>Push  to exit the OSD main menu.</p>
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 <p><b>MENU SETTINGS</b></p>	<p><b>Back</b></p> <p><b>Language</b></p> <p><b>Menu Horizontal Position</b></p> <p><b>Menu Vertical Position</b></p> <p><b>Menu Timer</b></p> <p><b>Transparency</b></p> <p><b>Menu Rotation</b></p> <p><b>Menu Lock</b></p> <p><b>Factory Reset</b></p> <p><b>DDC/CI</b></p> <p><b>Exit Menu</b></p>	 <p><b>Back</b> Push  to go back to the main menu.</p> <p><b>Language</b> Language option to set the OSD display to one of five languages (English, Espanol, Francais, Deutsch, Japanese).</p> <p><b>Menu Horizontal Position</b>  and  buttons move OSD left and right.</p> <p><b>Menu Vertical Position</b>  and  buttons move OSD up and down.</p> <p><b>Menu Timer</b> 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 5 second increments, from 5 to 60 seconds.</p> <p><b>Transparency</b> This function is used to adjust the OSD background from opaque to transparent.</p> <p><b>Menu Rotation</b> Rotates the OSD by 90 degrees counter-clockwise. You can adjust according to your Display Rotation.</p> <p><b>Menu Lock</b> Controls user access to adjustments. When 'Yes' (+) is selected, no user adjustments are allowed. All buttons are locked.</p> <p><b>NOTE:</b> When the OSD is locked, pressing the menu button will take the user directly to the OSD settings menu, with unlock and allow user access to all applicable settings.</p> <p><b>Factory Reset</b> Reset all OSD settings to the factory preset values.</p> <p><b>DDC/CI</b> DDC/CI (Display Data Channel/Command Interface) allows your monitor parameters (brightness, color balance etc) to be adjusted. Disable this feature by selecting "Disable". Enable this feature for best user experience and optimum performance of your monitor.</p>  <p><b>Exit Menu</b> Push  to exit the OSD main menu.</p>
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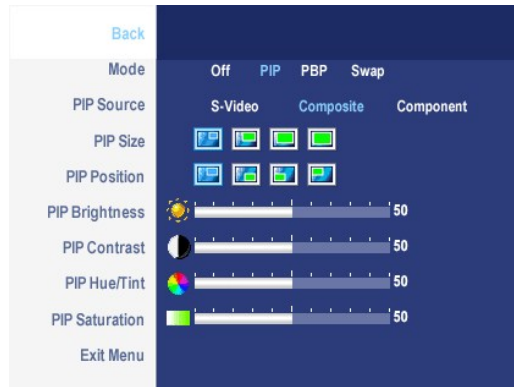
 <p><b>PIP SETTINGS</b></p>	<p>This function brings up a window displaying image from another input source.</p>	<p>PIP/PBP submenu when PIP/PBP OFF (main source is VGA/DVI-D input)      PIP/PBP submenu when PIP/PBP ON</p>
--	---	---



or

PIP/PBP submenu when PIP/PBP ON (main source is VGA/DVI-D input)

PIP/PBP submenu when PIP/PBP ON (main source is S-Video/Composite/Component input)



or

NOTE: When using DVI-D input, the PIP/PBP submenu will not appear.

**Back** Push to go back to the main menu.

**Mode** There are two modes: PIP (Picture in Picture) and PBP (Picture By Picture). Use and to browse and to select "Off", "PIP" or "PBP".

**When PIP/PBP activated** When PIP/PBP is activated, select "Swap" to exchange the input source for the main screen and PIP/PBP window.

**PIP/PBP Source** Select an input signal for PIP/PBP. (VGA/DVI/S-Video/Composite/Component) Use and to browse and to select.

**PIP Position** Select PIP window position. Use and to browse and to select.

**PIP Size** Select PIP window size. Use and to browse and to select.

**PIP/PBP Contrast** Adjust the contrast level of the picture in PIP/PBP Mode.  
 reduces the contrast  
 increases the contrast

**PIP/PBP Hue/Tint** This function shifts the color of PIP/PBP image to green or purple. This is used to adjust for desired flesh tone color.  
 shifts image color towards green  
 shifts image color towards purple

**PIP/PBP Saturation** Adjust the color saturation of PIP/PBP image.  
 makes the image look more monochrome  
 makes the image look more colorful

**Exit Menu** Push to exit the OSD main menu.

## OSD Warning Messages

Your monitor will prompt you to achieve the best performance when you select PBP. You may see the following messages under certain combinations of input sources in PBP mode.



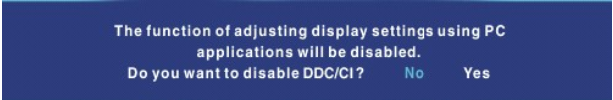


When the monitor does not support a particular resolution mode you will see the following message :

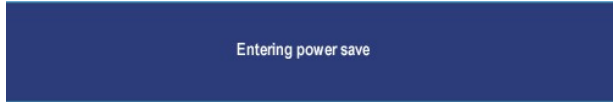


This means that the monitor cannot synchronize with the signal that it is receiving from the computer. See [Monitor Specifications](#) for the Horizontal and Vertical frequency ranges addressable by this monitor. Recommended mode is 1920 X 1200.

You will see the following message before the DDC/CI function is disabled.



When monitor enters Power Save mode, the following message appears :



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

If you press any button other than the power button one of the following messages will appear depending on the selected input:



In PIP mode, when the monitor does not sense the selected second signal input, one of the following messages will appear depending upon the selected input as long as the OSD screen is closed.



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.

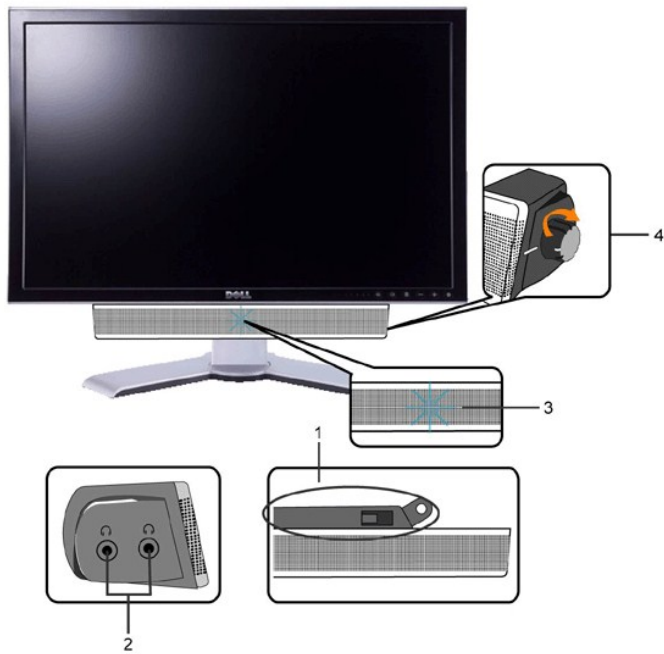


**NOTE:** When the cable is connected back to the input of the monitor, any active PIP/PBP window will disappear. Please enter PIP/PBP submenu to bring ba

**NOTE:** The PIP/PBP functions can bring up a picture from a second image source. Thus you can watch images from 1 PC source (D-Sub or DVI) and 1 Video s functions will not allow for 2 PC sources or 2 Video sources to perform PIP/PBP.

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

## Using the Dell™ Soundbar (Optional)



1. Attach mechanism
2. Headphone connectors
3. Power indicator
4. Power/Volume control

## Soundbar Attachment to the Monitor



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

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

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

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## Solving Problems

Dell™ 2407WFP-HC Flat Panel Monitor

- [Monitor Specific Troubleshooting](#)
- [Common Problems](#)
- [Video Problems](#)
- [Product Specific Problems](#)
- [Universal Serial Bus \(USB\) Specific Problems](#)
- [Dell™ Soundbar \(Optional\) Troubleshooting](#)
- [Card Reader Troubleshooting](#)

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

### Troubleshooting the 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:

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 system, because your monitor is functioning properly.

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

### Common Problems


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

COMMON SYMPTOMS	WHAT YOU EXPERIENCE	POSSIBLE SOLUTIONS
No Video/ Power LED off	No picture	<ul style="list-style-type: none"> <li>1 Check connection integrity at both ends of the video cable</li> <li>1 Electric outlet verification</li> <li>1 Ensure power button depressed fully</li> </ul>
No Video/ Power LED on	No picture or no brightness	<ul style="list-style-type: none"> <li>1 Increase brightness &amp; contrast controls via OSD</li> <li>1 Perform monitor self-test feature check</li> <li>1 Check for bent or broken pins</li> </ul>
Poor Focus	Picture is fuzzy, blurry or ghosting	<ul style="list-style-type: none"> <li>1 Auto Adjust via OSD</li> <li>1 Adjust Phase and Pixel 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 Auto Adjust via OSD</li> <li>1 Adjust Phase and Pixel 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 is a natural defect that occurs in LCD technology</li> </ul>

Stuck-on Pixels	LCD screen has bright spots	<ul style="list-style-type: none"> <li>1 Cycle power on-off</li> <li>1 These are pixels that are permanently on and 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 on "Factory Reset"</li> <li>1 Auto Adjust via OSD</li> <li>1 Adjust brightness &amp; contrast controls via OSD</li> </ul>
Geometric Distortion	Screen not centered correctly	<ul style="list-style-type: none"> <li>1 Perform monitor reset on "Display Reset"</li> <li>1 Auto Adjust via OSD</li> <li>1 Adjust brightness &amp; contrast controls via OSD</li> <li>1 Ensure monitor is in proper video mode</li> </ul> <p><b>NOTE:</b> When using '2: DVI-D', the positioning adjustments are not available.</p>
Horizontal/Vertical Lines	Screen has one or more lines	<ul style="list-style-type: none"> <li>1 Perform monitor reset on "Display Reset"</li> <li>1 Auto Adjust via OSD</li> <li>1 Adjust Phase and Pixel 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> <p><b>NOTE:</b> When using '2: DVI-D', the Pixel Clock and Phase adjustments are not available.</p>
Sync Problems	Screen is scrambled or appears torn	<ul style="list-style-type: none"> <li>1 Perform monitor reset on "Display Reset"</li> <li>1 Auto Adjust via OSD</li> <li>1 Adjust Phase and Pixel 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 & 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 on "Factory Reset"</li> <li>1 Perform monitor self-test feature check to determine if the intermittent problem occurs in self-test mode</li> </ul>
Missing Color	Picture missing color	<ul style="list-style-type: none"> <li>1 Perform monitor self-test feature check</li> <li>1 Check connection integrity at both end of the video cable</li> <li>1 Check for bent or broken pins</li> </ul>
Wrong Color	Picture color not good	<ul style="list-style-type: none"> <li>1 Change the color to "PC Custom Color" or "MAC Custom Color"</li> <li>1 Adjust R/G/B value of "PC Custom Color" or "MAC Custom Color"</li> <li>1 Change the Color Format to "PC RGB" or "YPbPr" (for Video/DVI-HD inputs)</li> </ul>
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	<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</li> <li>1 Alternatively, use a dynamically changing screensaver</li> </ul>


## Video Problems

COMMON SYMPTOMS	WHAT YOU EXPERIENCE	POSSIBLE SOLUTIONS
No Video	No signal indicator is displayed	<ul style="list-style-type: none"> <li>1 Check Video Input Selection <ul style="list-style-type: none"> <li>o Composite: Yellow colored RCA jack</li> <li>o S-Video: Typically a round 4 pin Jack</li> <li>o Component: Red, Blue, Green colored RCA jacks</li> </ul> </li> </ul>
Low Quality DVD playback	Picture not crisp and some color distortion	<ul style="list-style-type: none"> <li>1 Check DVD connection <ul style="list-style-type: none"> <li>o Composite gives good picture</li> <li>o S-Video gives better picture</li> <li>o Component: Red, Blue, Green colored RCA jacks</li> </ul> </li> </ul>
Blinking Video	Video is blinking or discontinuous	<ul style="list-style-type: none"> <li>1 Check DVD connection <ul style="list-style-type: none"> <li>o Composite gives good picture</li> <li>o S-Video gives better picture</li> <li>o Component: Red, Blue, Green colored RCA jacks</li> </ul> </li> <li>1 Check if DVD player is HDCP compliant. <ul style="list-style-type: none"> <li>o Some non-compliant players may exhibit blinking video and others will display a raster screen.</li> </ul> </li> </ul>

 **NOTE:** When choosing S-Video, Composite or Component video, [Auto Adjust](#) function is not available.

## 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 "Factory Reset"</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 the monitor off and unplug the power cord and then plug back and power on</li> </ul>
The monitor will not go into power saving mode.	No picture, the LED light is green. When press "+", "-" or "Menu" key, the message " No S-Video input signal ", " No Composite input signal " or " No Component input signal " will appear.	<ul style="list-style-type: none"> <li>1 Move mouse or hit any key on the keyboard on the computer or activate video player, then access the OSD to set Audio to " off " state.</li> </ul>
No Input Signal when user controls pressed	No picture, the LED light is green. When press "+", "-" or "Menu" key, the message " No S-Video input signal ", " No Composite input signal " or " No Component input signal " will appear.	<ul style="list-style-type: none"> <li>1 Check the signal source Make sure the Computer is not in power saving by moving mouse or pressing any key on the keyboard.</li> <li>1 Check to make sure Video Source to S-Video, Composite or Component is powered and playing video media.</li> <li>1 Check whether the signal cable is plugged in and seated properly. Re-plug the signal cable if necessary.</li> <li>1 Re-boot the computer or video player.</li> </ul>
The monitor will not fill the entire screen.	The picture can't fill the height or width of the screen.	<ul style="list-style-type: none"> <li>1 Due to the non-standard formats of DVDs, the monitor may not show the full screen pictures.</li> </ul>

 **NOTE:** When choosing DVI-D mode, [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	<ul style="list-style-type: none"> <li>1 Check that your monitor is powered ON.</li> <li>1 Reconnect the upstream cable to your computer.</li> <li>1 Reconnect the USB peripherals (downstream connector).</li> <li>1 Switch off and then turn on the monitor again.</li> <li>1 Reboot the computer.</li> </ul>
High Speed USB 2.0 interface is slow.	High Speed USB 2.0 peripherals working slowly or not at all.	<ul style="list-style-type: none"> <li>1 Check that your computer is USB 2.0 capable.</li> <li>1 Verify USB 2.0 source on your computer.</li> <li>1 Reconnect the upstream cable to your computer.</li> <li>1 Reconnect the USB peripherals (downstream connector).</li> <li>1 Reboot the computer.</li> </ul>

## Troubleshooting the Dell™ 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. 2407WFP-HC)	<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="#">Monitor Specific Troubleshooting</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> </ul>

		<ul style="list-style-type: none"> <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>

## Troubleshooting the Card Reader

 **NOTICE:** Do not remove the device while reading or writing media. Doing so may cause loss of data or malfunction in the media.

Problem	Cause	Solution
Drive letter is not assigned. (Windows XP only)	Conflict with network drive letter.	<p>A. Right-click <b>My Computer</b> on the desktop, and then click <b>Manage</b>. Under <b>Computer Management</b>, click <b>Desk Management</b>.</p> <p>B. In the list of drives in the right panel, right-click <b>Removable Device</b> and click <b>Change Drive Letter and Paths</b>.</p> <p>C. Click <b>Change</b>, and in the drop-down box, specify a drive letter for the <b>Removable Device</b>, choosing one that is not assigned to the mapped network drives.</p> <p>D. Click <b>OK</b>, and then click <b>OK</b> again</p>
Drive letter is assigned, but the media is not accessible	The media needs reformatting.	Right-click the drive in Explorer and choose <b>Format</b> from the resulting menu
The media has been ejected during writing or erasing.	<p>Displays the error message, "Error copying file or folder."</p> <p>Displays the error message, "Cannot write folder (folder name) or file (file name)," during writing, or, "Cannot remove folder (folder name) or file(file name)," while erasing, you cannot write or erase in the same folder or file name.</p>	<p>Reinsert the media and write or erase again.</p> <p>Format the media for writing or erasing the same folder or file name.</p>
Despite the disappearance of the pop-up window, the media has been ejected while the LED was blinking.	Although the pop-up window disappears during writing, if you eject your media while the LED is still blinking, then you cannot complete your action on the media.	Format the media for writing or erasing the same folder or file name.
Cannot format or write on the media.	Write protect switch is enabled.	Verify that the write-protect switch of the media is unlocked.

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## Using Your Adjustable Monitor Stand

Dell™ 2407WFP-HC Flat Panel Monitor

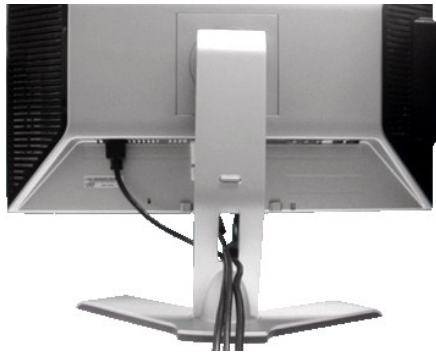
- [Attaching the Stand](#)
  - [Organizing Your Cables](#)
  - [Using the Tilt, Swivel and Vertical Extension](#)
  - [Removing the Stand](#)
- 

### Attaching the Stand



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

### Organizing Your Cables



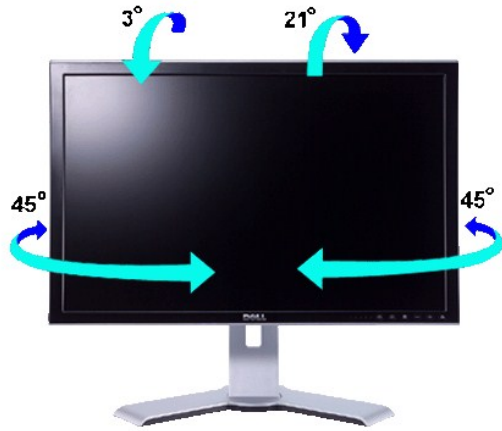
After attaching all necessary cables to your monitor and computer, (See [Connecting Your Monitor](#) for cable attachment,) use the Cable management hole to neatly organize all cables as shown above.


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### Using the Tilt, Swivel and Vertical Extension

#### Tilt/Swivel

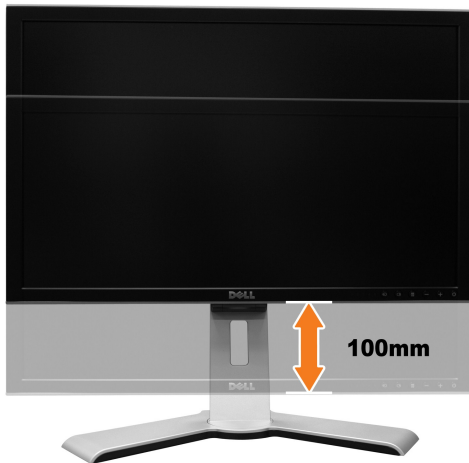
With the built-in pedestal, you can tilt and/or swivel the monitor for the most comfortable viewing angle.




 **NOTE:** Stand is detached and extended when the monitor is shipped from the factory.

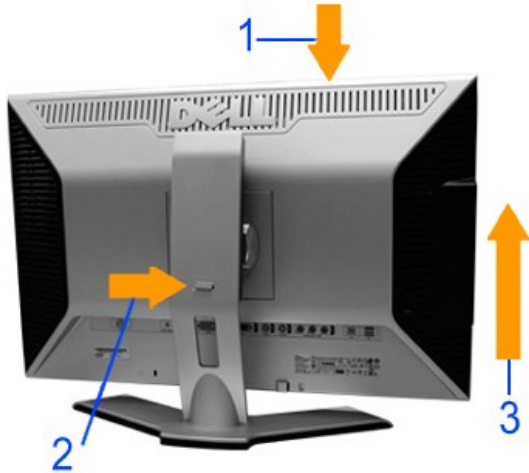
### Vertical Extension

Stand extends vertically up to 100mm via the Lock down / release button.



 **NOTE:** If locked in the down position, push the monitor down. Press the Lock down / release button on the bottom rear of stand to unlock the monitor. Lift the monitor up and extend the stand to the desired height.



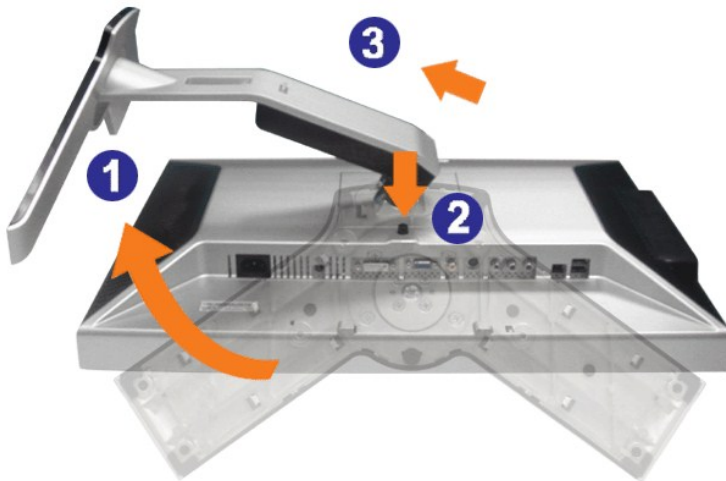


**NOTICE:** Before relocating or moving the monitor to a different location, make sure that the stand is locked down. To lock it down, lower the height of the panel until it clicks and is locked into place.

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## Removing the Stand

After placing the monitor panel on a soft cloth or cushion, press and hold the Monitor Lock / Release Button, and then remove the stand.



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

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