

Dell™ 2405FPW Flat Panel Monitor

About Your Monitor

[Front View](#)
[Back View](#)
[Side View](#)
[Bottom View](#)
[Monitor Specifications](#)
[Universal Serial Bus\(USB\) Interface](#)
[Card Reader Specifications](#)
[Dell™ Sound Bar \(Optional\) Specifications](#)
[Caring for Your Monitor](#)

Using Your Adjustable Monitor Stand

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

Setting Up Your Monitor

[Connecting Your Monitor](#)
[Using the Front Panel Buttons](#)
[Using the OSD](#)
[Setting the Optimal Resolution](#)
[Using the Dell™ Sound Bar \(Optional\)](#)
[Using the Card Reader](#)

Rotating Your Monitor

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

Solving Problems

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

Appendix

[Warranty Information](#)
[Safety Information](#)
[Safety Information: Card Reader](#)
[Contacting Dell™](#)
[Regulatory Notices](#)
[Your Monitor Set-up Guide](#)

Notes, Notices, and Cautions

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type. These blocks are notes, notices, and cautions, and they are used as follows:



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 the 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 caution is mandated by regulatory authority.

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- [Front View](#)
 - [Back View](#)
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 - [Monitor Specifications](#)
 - [Universal Serial Bus\(USB\) Interface](#)
 - [Card Reader Specifications](#)
 - [Dell™ Sound Bar \(Optional\) Specifications](#)
 - [Caring for Your Monitor](#)
-

Front View



Back View

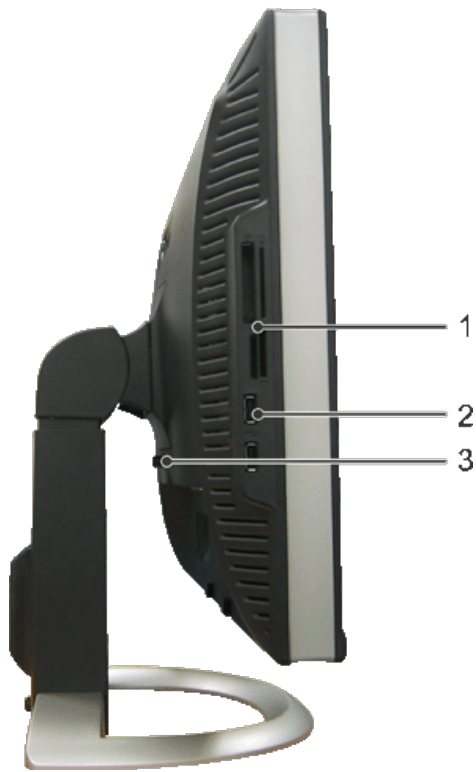


- 1 Kensington lock slot
 - 2 USB downstream ports and card reader
 - 3 Mechanical attachment point for Dell™ Sound Bar
 - 4 Cable holder
 - 5 Stand lock release button
-

Side View



Right side

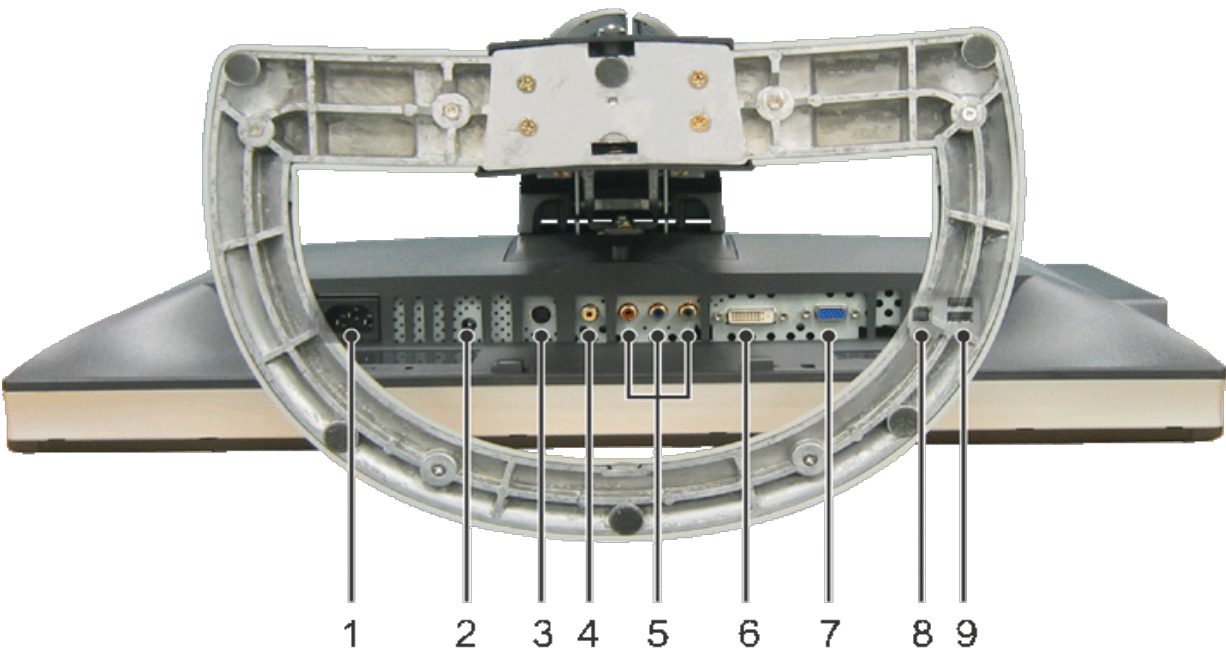


Left side

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

Bottom View

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



Monitor Specifications

General

Model number	2405FPW
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Flat Panel

Screen type	Active matrix - TFT LCD
Screen dimensions	24 inches (24-inch diagonal 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	500 cd/m ² (typ)
Contrast ratio	1000:1 (typ)
Faceplate coating	Antiglare with hard-coating 3H
Backlight	6 CCFLs U-type backlight
Response Time	12ms typical (Grey to Grey) / 16ms typical (Black to White)

Resolution

Horizontal scan range	30 kHz to 81 kHz (automatic)
Vertical scan range	56 Hz to 76 Hz, exception 1680 x 1200 & 1920 x 1200 at 60 Hz only
Optimal preset resolution	Analog : 1920 x 1200 at 60 Hz(VESA CVT-R Mode) Digital : 1920 x 1200 at 60 Hz(VESA CVT-R Mode)
Highest preset resolution	Analog : 1920 x 1200 at 60 Hz(VESA CVT-R Mode) Digital : 1920 x 1200 at 60 Hz(VESA CVT-R Mode)

Dell™ guarantees image size and centering for all preset modes listed in the following table.

Preset Display Modes

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (Horizontal/Vertical)
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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

Video input signals

Analog RGB: 0.7 Volts +/-5%, 75 ohm input impedance
 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

Synchronization input signals

separate horizontal and vertical,
 3.3V Cmos or 5V TTL level, positive or negative sync.
 SOG (Sync on green)

AC input voltage / frequency / current

100 to 240 VAC / 50 or 60 Hz ± 3 Hz / 2.0A (Max.)

Inrush current

120V: 40A (Max.)
 240V: 80A (Max.)

Physical Characteristics

Signal cable type

D-sub: Detachable, Analog, 15pin, shipped attached to the monitor
 DVI-D: Detachable, Digital, 24pin, shipped detached from the monitor
 S-video: Not included with display
 Composite: Not included with display
 Component: Not included with display

Dimensions (with stand):

Height (fully extended in portrait mode)

642.7 mm (25.3 inches)

Height (compressed/locked in landscape mode)

546.8 mm (21.5 inches)

Width

559.4 mm (22.0 inches)

Depth

229.0 mm (9.0 inches)

Weight

Monitor (Stand and Head)

10.0 kg (22.1 lb)

Monitor Flat panel only (VESA Mode)

7.0 kg (15.4 lb)

Weight with packaging

13.2 kg (29.1 lb)

Environmental

Temperature:

Operating

5° to 35°C (41° to 95°F)

Nonoperating

Storage: 0° to 60°C (32° to 140°F)
 Shipping: -20° to 60°C(-4° to 140°F)


Humidity:		
Operating		10% to 80% (noncondensing)
Nonoperating		Storage: 5% to 90% (noncondensing) Shipping: 5% to 90%(noncondensing)
Altitude:		
Operating		3,657.6 m (12,000 ft) max
Nonoperating		12,192 m (40,000 ft) max
Thermal dissipation		272.8 BTU/hour (maximum) 201.2 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 input 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	80 W (maximum)* 59 W (normal)**
Active-off mode	Inactive	Inactive	Blanked	Amber	Less than 2 W
Switch off	-	-	-	Off	Less than 1 W

* With Audio + USB
** Without Audio + USB

 **NOTE:** The [OSD](#) will only function in the 'normal operation' mode. Otherwise one of the following messages will appear depending upon the selected input.

1: D-SUB

In Power Save Mode

Press computer power button

or any key on keyboard or move mouse

or

2: DVI-D

In Power Save Mode

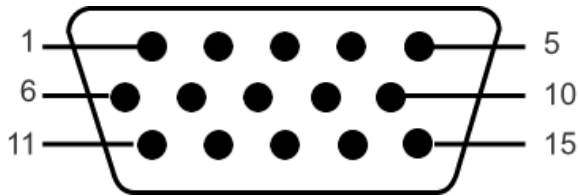
Press computer power button

or any key on keyboard or move mouse

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

Pin Assignments

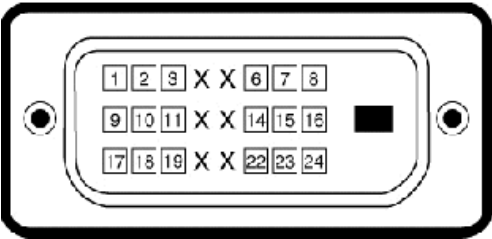
VGA Connector



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



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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



Pin Number	1-pin Side of the Connected Signal Cable (cable not included)
1	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)

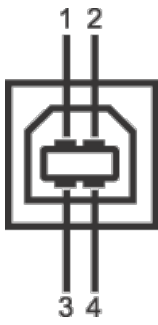
Universal Serial Bus (USB) Interface

This monitor supports High-Speed Certified USB 2.0 interface.



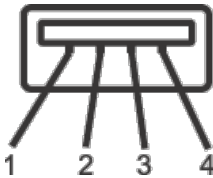
	Data Rate	Power Consumption
High speed	480 Mbps	2.5W (Max., each port)
Full speed	12 Mbps	2.5W (Max., each port)
Low speed	1.5 Mbps	2.5W (Max., each port)

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 upstream - rear
- 4 downstream - 2 on rear; 2 on right 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

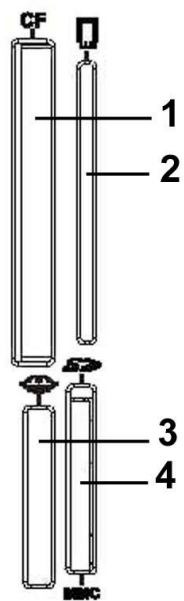
- The Flash Memory Card Reader is a USB storage device that allows users to read and write information from and into the memory card.
- The Flash Memory Card Reader is automatically recognized by Windows® 2000 and XP.
- Once installed and recognized, each separate memory card (slot) appears as a separate drive/drive letter.
- 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:

- Supports Windows 2000 and XP operating systems

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



Slot Number	Flash memory cards type
1	CompactFlash type I/II Card (CF I/II)/ MicroDrive (MD)
2	SmartMedia Card (SMC)
3	Memory Stick Card (MS) ./ Memory Stick Pro Card (MS PRO) / Memory Stick Duo (with Adapter)
4	Secure Digital Card (SD)/ MultiMediaCard (MMC)/ Mini Secure Digital (with Adapter)

General

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

Performance

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

Dell™Sound Bar (Optional) Specifications



System Frequency Response	95 Hz to 20 kHz @ 10 dB below avg. SPL
Total Power Output	14 W continuous average power (all speakers operating) @ 10% (THD+N), 1 kHz (FTC rated)
Headphone Jack Output Power	40 mW continuous average power (RL = 32Ω) @ 10% (THD+N), 1 kHz
Input Sensitivity for Rated Output	500 ± 50 mVrms @ 1 kHz
Input Impedance	>10kΩ
Maximum Input Signal Voltage	2 Vrms
Controls	Power On/Off Volume Control
Input Cables	3.0 m ± 0.1 m AWG26 black cable attached to enclosure, with 3.5 mm lime green stereo plug
Power Requirements	DC12V, 1.5A +/-10%

Power Cord Length	305 mm ± 15 mm AWG22 black cable attached to enclosure, with DC plug (5.5 x 2.1 x 12 mm)
Operating Temperature Range	10°C to 40°C
Humidity, Non-condensing	95% RH @ 40 °C

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 Information](#) before cleaning the monitor.
-  **CAUTION:** Before cleaning the monitor, unplug the monitor from the electrical outlet.

- 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.
 - 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.
 - If you notice a white powder when you unpack your monitor, wipe it off with a cloth. This white powder occurs during the shipping of the monitor.
 - Handle your monitor with care as darker-colored plastics may scratch and show white scuff marks more than lighter-colored monitor.
-

[Back to Contents Page](#)

Using Your Adjustable Monitor Stand

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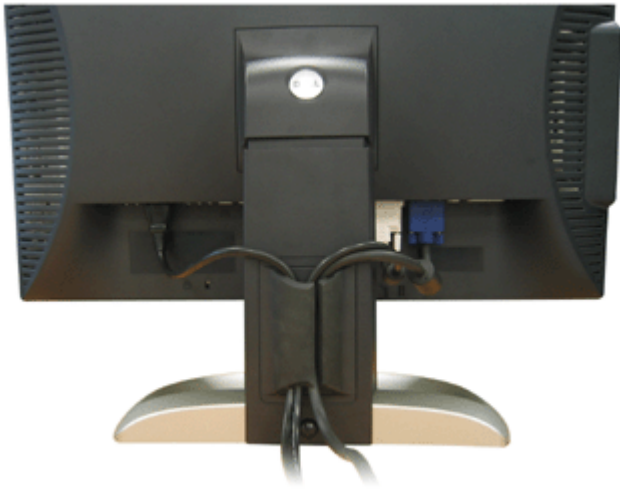
- [Attaching the Stand](#)
 - [Organizing Your Cables](#)
 - [Using the Tilt, Swivel, Vertical Extension](#)
 - [Removing the Stand](#)
-

Attaching the Stand



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

Organizing Your Cables

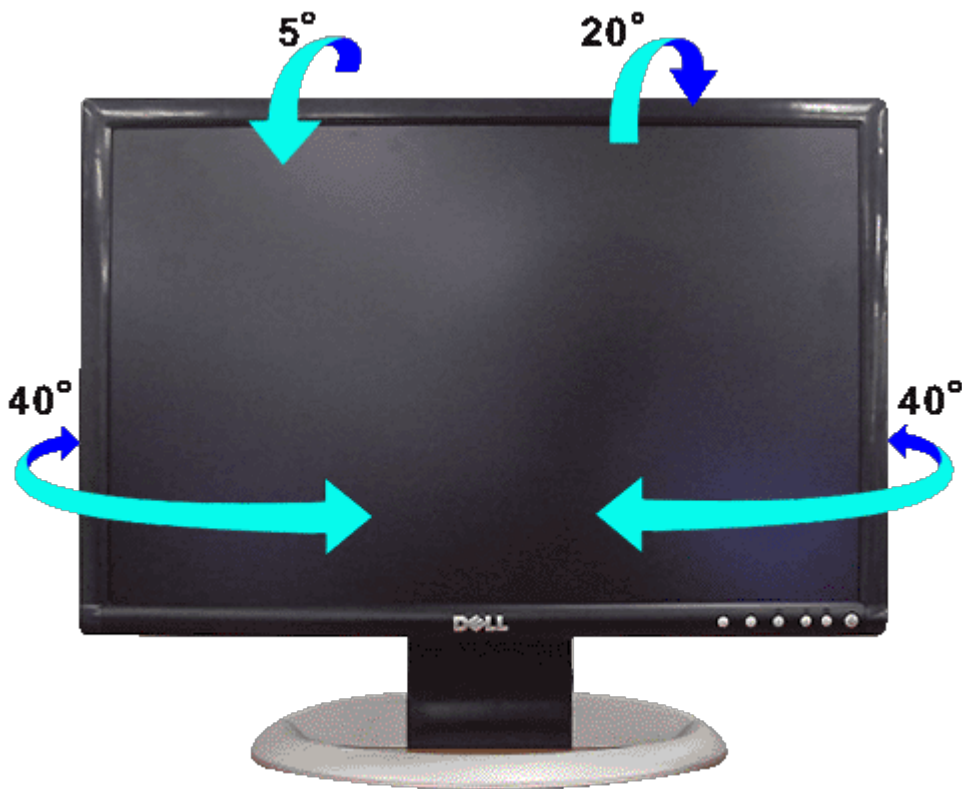



After attaching all necessary cables to your monitor and computer, (See [Connecting Your Monitor](#) for cable attachment,) use the cable holder to neatly organize all cables as shown above.

Using the Tilt, Swivel and Vertical Extension

Tilt/Swivel

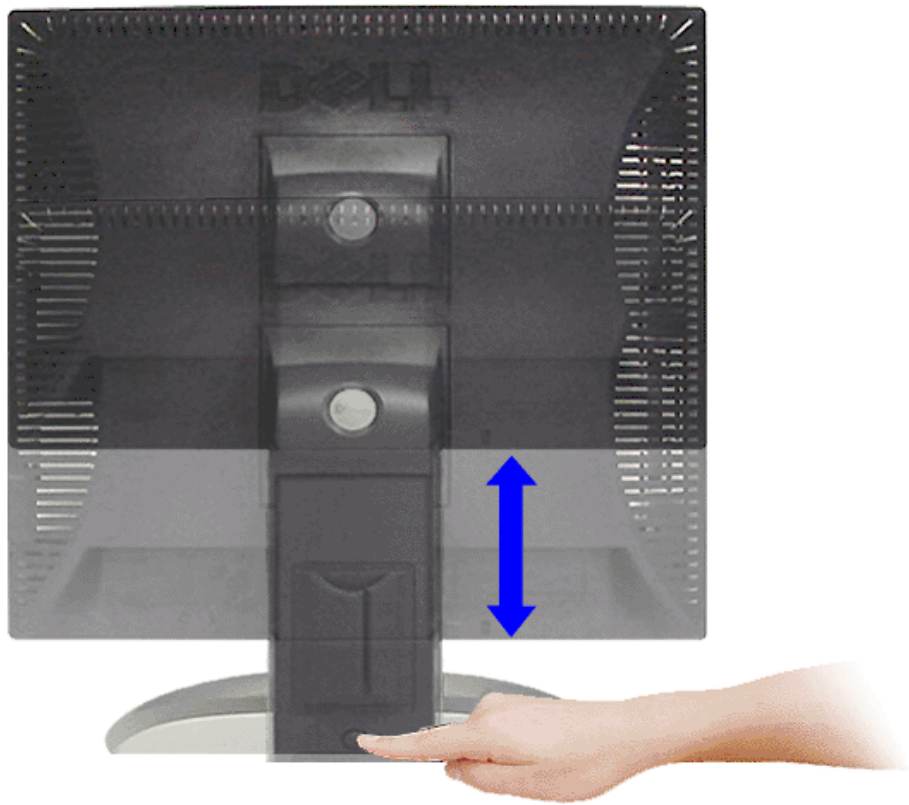
With the built-in pedestal, you can tilt and/or swivel the monitor for the most comfortable viewing angle.





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

Vertical Extension

Stand extends vertically up to 100mm via the stand lock release button.



 **NOTE:** If locked in the down position, press the stand lock release button on the bottom rear of stand. Lift the front panel up and extend the stand to the desired height.

 **NOTICE:** Before relocating/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.

Removing the Stand

After placing the monitor panel on a soft cloth or cushion, press and hold the LCD removal 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.

[Back to Contents Page](#)

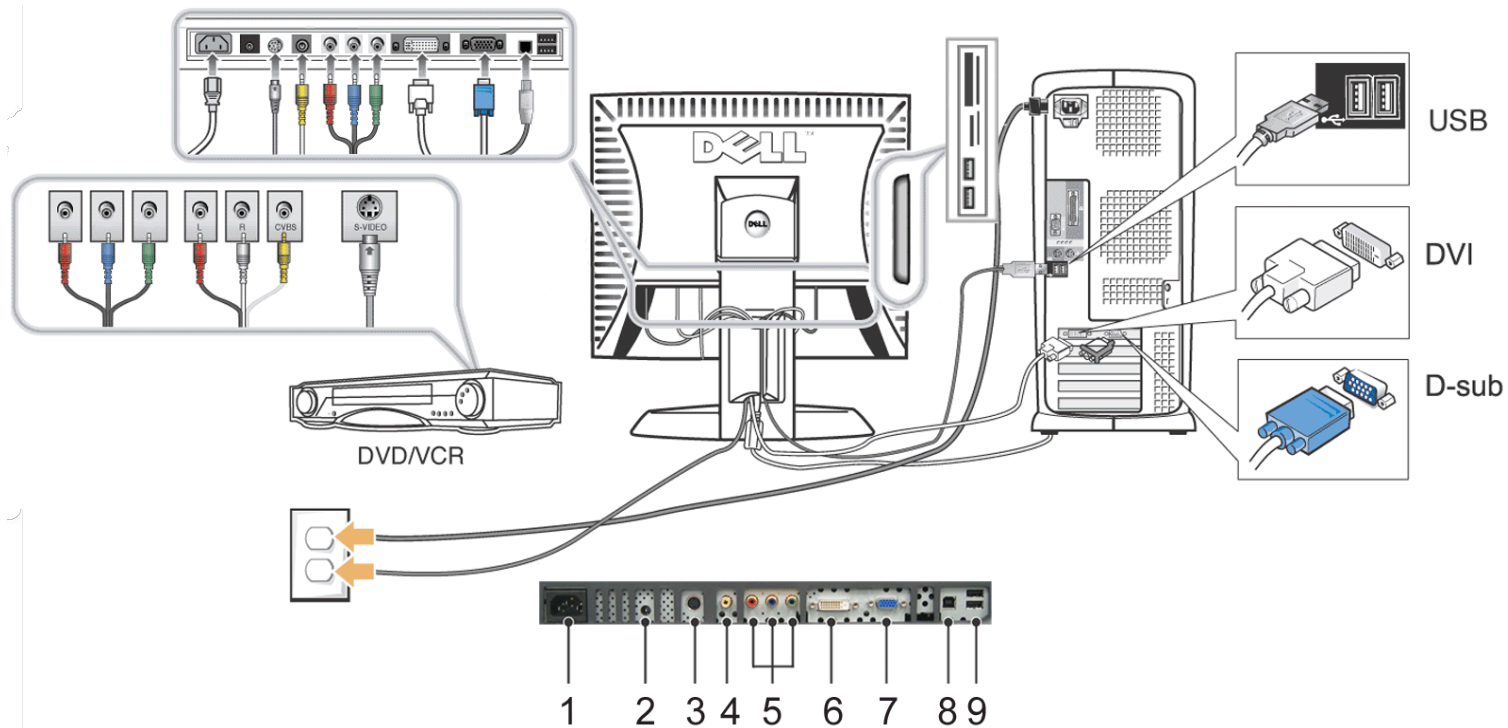
Setting Up Your Monitor

Dell™ 2405FPW Flat Panel Monitor

- [Connecting Your Monitor](#)
- [Using the Front Panel Buttons](#)
- [Using the OSD](#)
- [Using the Dell™ Sound Bar \(Optional\)](#)
- [Using the Card Reader](#)

Connecting Your Monitor

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



- 1 Power cord connector
- 2 DC power connector for Dell™ Sound Bar
- 3 S-Video connector (cable not included)
- 4 Composite video connector (cable not included)
- 5 Component video (Y Pb Pr) connectors (cable not included)

- 6

DVI connector
- 7

VGA connector
- 8

USB upstream port
- 9

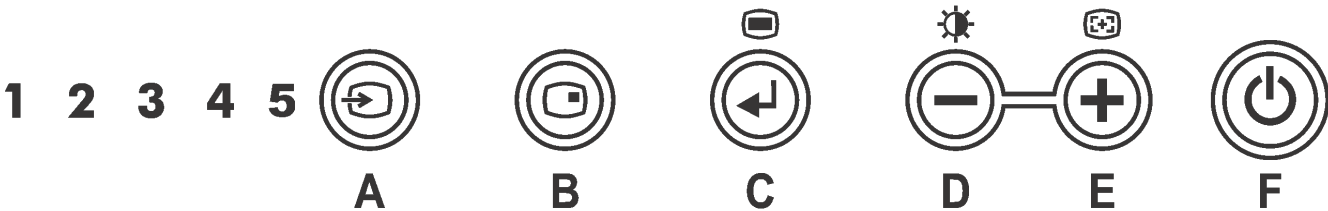
USB downstream ports
- Turn off your computer and disconnect the power cable.
- Connect either the white (digital DVI-D) or the blue (analog D-sub) display connector cable to the corresponding video port on the back of your computer. Do not use both cables on the same computer. The only case in which 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).
- Connect the upstream USB port (cable supplied) to an appropriate USB port on your computer .
- Connect USB peripherals to the downstream USB ports (rear or side) on the monitor. (See [rear](#) or [bottom](#) view for details.)
- Connect the DC power cable for your monitor to the power port on the back of the monitor.
- Plug the power cables for your computer and monitor into a nearby outlet.
- Turn on the monitor and computer.
- If your monitor displays an image, installation is complete. If it does not display an image, see [Solving Problems](#).
- 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.



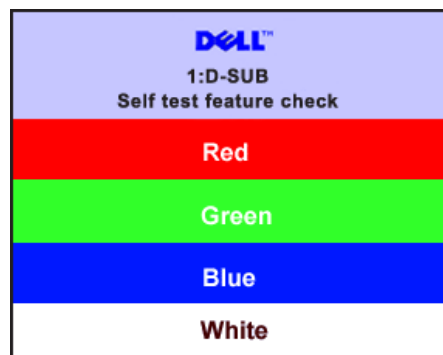
A	<div></div> <div>Input select</div>	<p>Use Input Select button to select between five different video signals that may be connected to your monitor.</p> <div><div>1.</div><div>VGA input</div></div> <div><div>2.</div><div>DVI-D input</div></div> <div><div>3.</div><div>S- Video input</div></div> <div><div>4.</div><div>Composite video input</div></div> <div><div>5.</div><div>Component video (Y Pb Pr) input</div></div>
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NOTE: VGA is referred to as D-SUB in the OSD

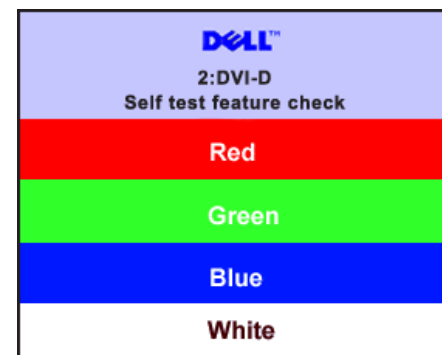
NOTE: The floating 'Dell™ - self-test Feature Check' dialog will also appear on-screen (against a black background) if the monitor cannot sense a video signal. Depending upon the selected input, one of the dialogs shown below will scroll continually.

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

NOTE: If VGA/DVI-D cable is unconnected, monitor automatically looks for VGA/DVI-D connection and indicates the "Self Test Feature Check" pattern on the screen for the disconnected port that was last used.



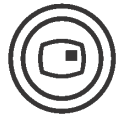
or



If it finds a cable connection with the computer, then it looks for activated VGA/DVI-D port on the computer and makes the selection for that port.

NOTE: If S-video/Composite video /Component video (Y Pb Pr) cable is not connected or the video source is turned off, the screen will be turned off, when any button except power button is pressed. The monitor displays "No Input Signal" for the corresponding connection .

B

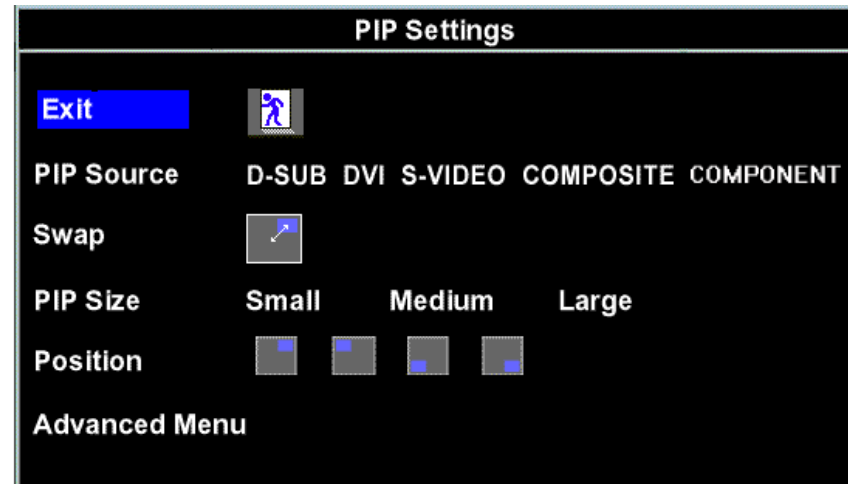



PIP/PBP Select

PIP Settings:

Use this button to activate PIP (Picture-in-Picture)/PBP (Picture-by-Picture) mode adjustment.




Pressing this button continually will cycle the sub-screen through the PIP -> PBP -> OFF (Original state without sub-screen) modes with the corresponding brief OSD menu.






Pressing PIP/PBP  for the first time in sequence (PIP) will open "PIP Setting" Menu.








The details of the menu is as follows:

- PIP Source : To select an input signal for PIP. (VGA/DVI/S-video/Composite/Component)

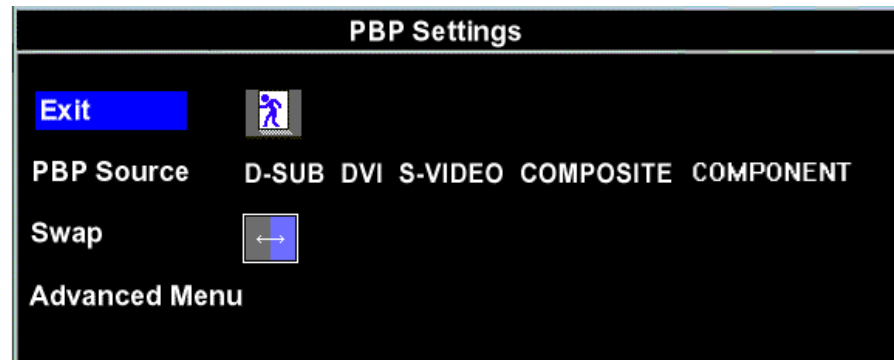
Use  and  to choose and  to select.


- Swap : To switch the main-screen and sub-screen in PIP mode.

Use  and  to choose and  to select.








- PIP size : To adjust the size of the PIP screen between "Small", "Medium", and "Large".
Use  and  to choose and  to select.
- Position : Move the PIP window. .
Use  and  to choose and  to select.
- Advanced Menu : To adjust the detail menu of PIP Setting. See [PIP/PBP Settings](#).
Use  to select.

PBP Settings:



Pressing PIP/PBP  for the second time in sequence (PIP->PBP) will open "PBP Settings" Menu.

The details of the menu is as follows:

- PBP Source : To select an input signal for PBP. (VGA/DVI/Svideo/Composite/Component)
Use  and  to choose and  to select. The PBP active sub-screen is shown with "blue border" beside the main-screen on the right hand side.
- Swap : To switch the main-screen and sub-screen in PBP mode.
Use  and  to choose and  to select.
- Advanced Menu : To adjust the detail menu of PIP Setting. See [PIP/PBP Settings](#).
Use  to select.

C



OSD menu & select

The MENU button is used to open the on-screen display(OSD) and select the OSD Menu. See [Accessing the Menu System](#).

D,
E




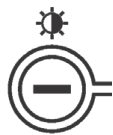






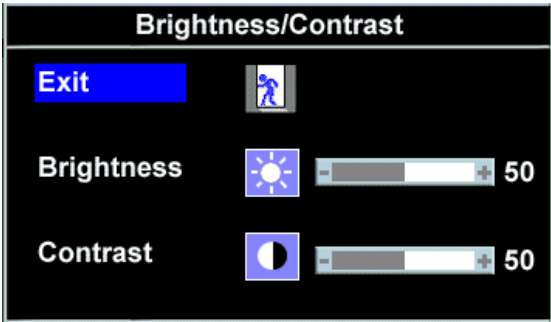


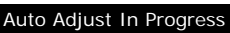



Minus (-) and Plus (+)

Use these buttons for navigating and adjusting the slider-bar(decrease/increase ranges) controls in the OSD.

D

Use this button to activate Brightness/Contrast adjustment.

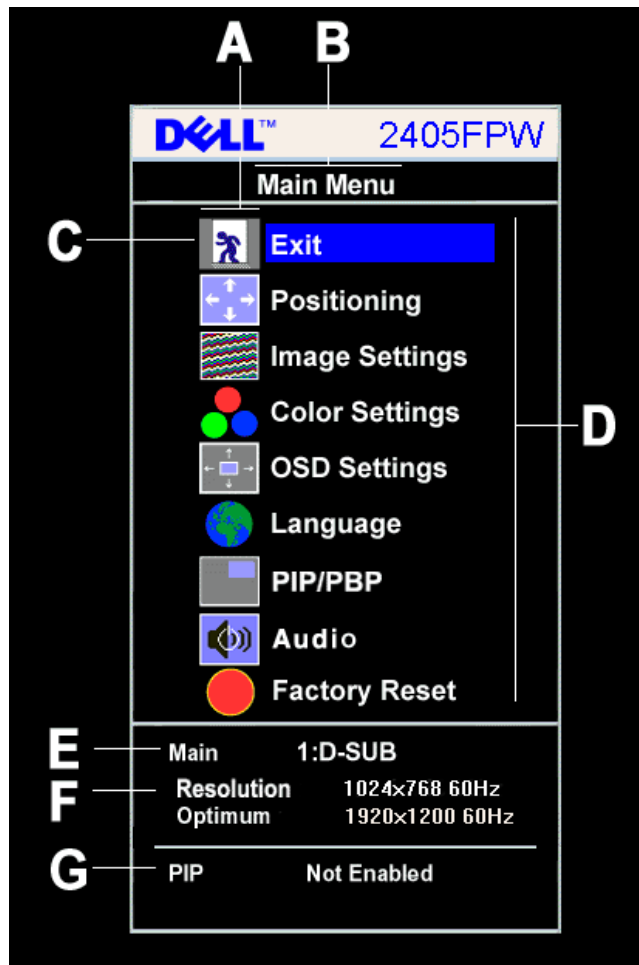
With the Menu off, push the  button to display the Brightness/Contrast adjustment menu.

	 <p>Brightness / Contrast</p>	<p>Adjust Brightness first, then adjust Contrast only if further adjustment is necessary.</p> <ol style="list-style-type: none"> 1. Navigate to the Brightness control function 2. Select using  key. 3. Push the  button to increase Brightness; push the  button to decrease Brightness (min 0 ~ max 100). <p>The Contrast function adjusts the degree of difference between darkness and lightness on the monitor screen.</p> <ol style="list-style-type: none"> 1. Navigate to the Contrast control function 2. Select using  key. 3. Push the  button to increase the contrast; push the  button to decrease the contrast (min 0 ~ max 100). <div data-bbox="795 478 1344 801">  </div> <p> NOTE: When using '2: DVI-D Input', the contrast adjustment is not available.</p>
E	 <p>Auto Adjust</p>	<p>Use this button to activate automatic setup and adjustment. The following dialog will appear on a black screen as the monitor self-adjusts to the current input:</p> <div data-bbox="958 944 1187 976">  </div> <p>Auto Adjustment  button allows the monitor to self-adjust to the incoming video signal. After using Auto Adjustment, you can further tune your monitor by using the Pixel Clock, Phase controls in the OSD.</p> <p> NOTE: Auto Adjust does not occur if you press the button while there are no active video input signals, or attached cables.</p>
F	 <p>Power Button & 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







1. With the menu off, push the MENU button to open the OSD system and display the main features menu.

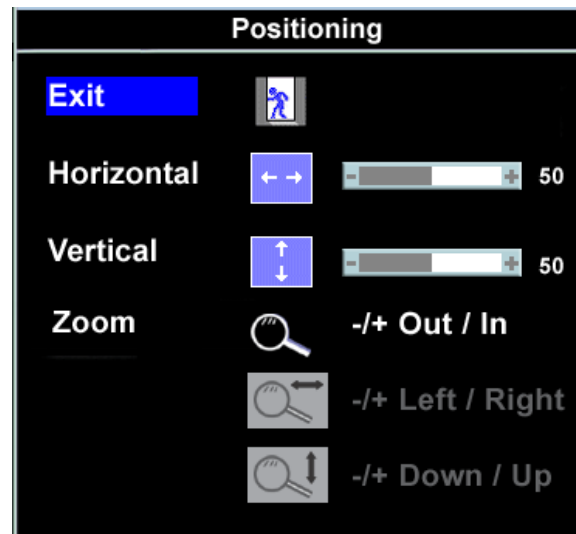


- A Function icons
- B Main Menu
- C Menu icon
- D Menu and Sub Menu name
- E Selected Input
- F Current resolution
- G Selected PIP / PBP

2. Push the  and  buttons to move between the function icons. As you move from one icon to another, the function name is highlighted to reflect the function or group of functions (sub-menus) represented by that icon. See the table below for a complete list of all the functions available for the monitor.
3. Push the MENU button once to activate the highlighted function; Push  /  to select the desired parameter, push menu to enter the sidebar then use the  and  buttons, according to the indicators on the menu, to make your changes.



Icon	Menu Name and Sub-menus	Description

	EXIT	This is used to exit out of the Main menu.
	Positioning:	Positioning moves the viewing area around on the monitor screen.
	Horizontal Vertical	<p>When making changes to either the 'Horizontal' or 'Vertical' settings, no changes will occur to the size of the viewing area: the image will simply be shifted in response to your selection/change.</p> <p>Minimum is '0' (-). Maximum is '100' (+).</p>
	Zoom	<p>You can zoom out or in the image through the zoom function. If you want to focus on a small area of image, to zoom in the specific area will let you see the details easier. After activating the zoom in function, you can also move the zoom lens around through zoom left/right/up/down functions.</p> <p>Using the  and  keys.</p>
	Image settings:	
	Auto Adjust	<p>Even though your computer system can recognize your new flat panel monitor on startup, the 'Auto Adjustment' function will optimize the display settings for use with your particular setup.</p> <p> NOTE: In most cases, 'Auto Adjust' will produce the best image for your configuration.</p>
	Pixel Clock	<p>The Phase and Pixel Clock adjustments allow you to more closely adjust your monitor to your preference. These settings are accessed through the main OSD menu, by selecting 'Image Settings'.</p> <p>Use the  and  buttons to adjust away interference. Minimum: 0 ~ Maximum: 100</p>
	Phase	<p>If satisfactory results are not obtained using the Phase adjustment, use the Pixel Clock (course) adjustment and then use Phase (fine), again.</p> <p> NOTE: Pixel Clock and Phase Adjustments are only available for "VGA" input.</p>





Sharpness

This feature can make the image look sharper or softer. Use  or  to toggle between the 5 settings. Settings 1 to 5 will make the image look softer or sharper.





NOTE: Sharpness is only available for "S-video" and "Composite" modes. This function is not available in "VGA" or "DVI-D" modes.



Scaling

Scaling optimizes the display for the type of software you are using. Includes '1:1', 'fill' and 'aspect'.

- 1:1: Turns off Scaling feature and displays an image size based on the input resolution.
- Fill: Image size up-scaled to fill the entire screen, image maybe distorted or elongated due to non-proportional scaling of height and width.
- Aspect: Increases Vertical image size to fit screen and adjusts Horizontal size to maintain proportional image.

Use  and  to scroll through the 3 alternatives '1:1', 'fill' and 'aspect'.



NOTE: "Auto Adjust" will produce the best image for your configuration.



Video Mode

Turning video mode "On" reveals the true to reality crisp video images using S-video and Composite video inputs. You can choose between "On" and "Off".

On : Displays optimum video image by automatically enhancing colors in the brighter color patterns with brighter background video and darker color patterns in the darker backer background video. The setting is set to "On" by default.

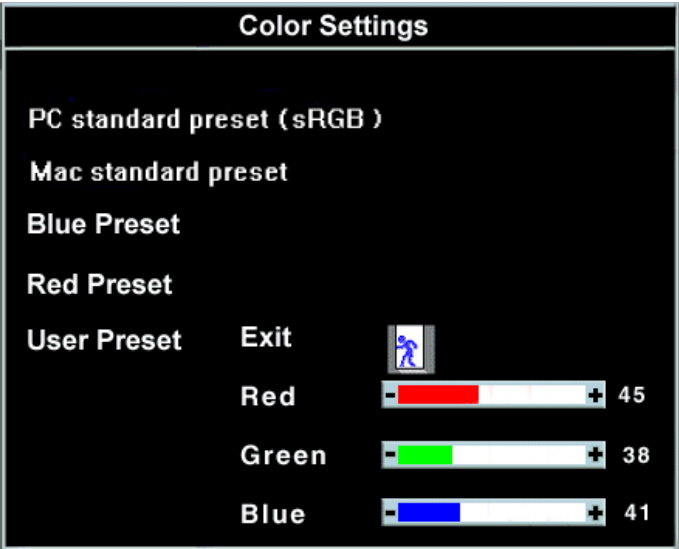
Off : Displays the standard colors as relayed by the video source.



Color Settings:

Color Settings adjusts the color temperature, color hue and saturation.

The color hue is most noticeable in areas of white.




PC standard preset PC standard preset is selected to obtain the default (factory) color settings

Mac standard preset Mac standard preset is selected to obtain Mac default color settings.

Blue Preset Blue Preset is selected to obtain a bluish tint. This color setting is typically used for text based applications (Spreadsheets, Programming, Text Editors etc.).

Red Preset Red Preset is selected to obtain a redder tint. This color setting is typically used for color intensive applications (Photograph Image Editing, Multimedia, Movies etc.).

User Preset User Preset: Use the plus and minus buttons to increase or decrease each of the three colors (R, G, B) independently, in single digit increments, from '0' to '100'.

 **NOTE:** Color temperature is a measure of the 'warmth' of the image colors (red/green/blue). The two available presets ('Blue' and 'Red') favor blue and red accordingly. Select each one to see how each range suits your eye....or utilize the 'User Preset' option to customize the color settings to your exact choice.





OSD Settings:

Each time the OSD opens, it displays in the same location on the screen. 'OSD Settings' (horizontal/vertical) provides control over this location.




Horizontal Position

 and  buttons move OSD to the left and right.



Vertical Position

 and  buttons move OSD down and up.



OSD Timer:

The OSD stays active for as long as it is in use.
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.

Transparency:

Select this menu item with the help of , and button. This function is used to adjust the OSD background from opaque to transparent.

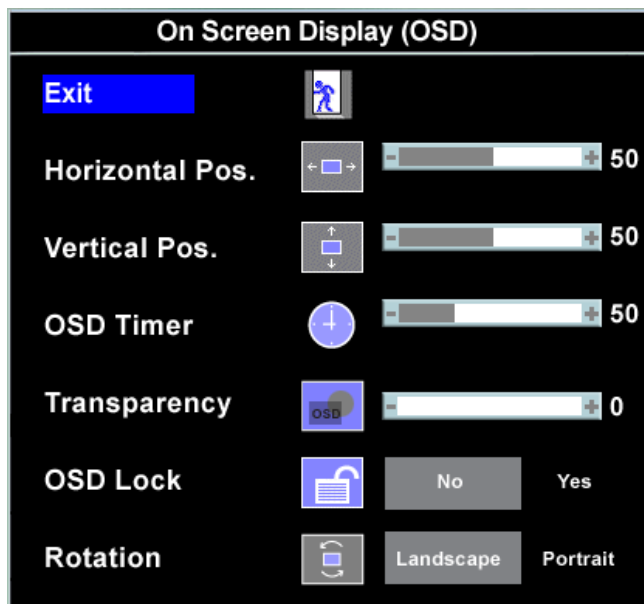
OSD Lock

'OSD Lock': Controls user access to adjustments. When 'Yes' (+) is selected, no user adjustments are allowed. All buttons are locked except the menu button.

OSD Rotation

OSD Rotation: Rotates the OSD by 90 ° counter-clockwise. Your can djust according to your [Display Rotation](#).

NOTE: When the OSD is locked, pressing the menu button will take the user directly to the OSD settings menu, with 'OSD Lock' preselected on entry. Select No(-) to unlock and allow user access to all applicable settings.



NOTE: You can also lock or unlock the OSD by pushing and holding the Menu button for 15 seconds. In this mode All buttons will be locked including the "Menu" button. You can unlock by pushing and holding the Menu button for 15 seconds.

NOTE: In case PIP/PBP on, OSD will not Locked.



Language:

Language sets the OSD to display in one of five languages (English, Español, Français, Deutsch, Japanese).

		<div data-bbox="1025 28 1449 454"> <div>Language</div> <div>  Exit  English  Español  Français  Deutsch  日本語 </div> </div> <p> NOTE: The language chosen affects only the language of the OSD. It has no effect on any software running on the computer.</p>
<div data-bbox="143 571 197 617"></div> <div data-bbox="129 1308 206 1366"></div> <div data-bbox="129 1466 206 1533"></div>	<p>PIP/PBP Settings:</p> <p>Mode : There are two sources : PIP(Picture in Picture) and PBP(Picture by Picture) Use  and  to browse and  to select "Off", "PIP", or "PBP". The "Off" item means the PIP/PBP window will be closed.</p> <p>When selected PIP PIP Source : To select an input signal for PIP. (VGA/DVI/Svideo/Composite) Use  and  to browse and  to select.</p> <p>Swap : To switch the main-screen and sub-screen in PIP mode.</p> <p>PIP size : To adjust the size of the PIP screen. Use  and  to browse and  to select.</p> <p>Position : Move the PIP window. Use  and  to browse and  to select.</p> <p>When selected PBP PIP Source : To select an input signal for PBP. (VGA/DVI/S-video/Composite/Component) Use  and  to select.</p> <p>Swap : To switch the main-screen and sub-screen in PBP mode.</p> <p>Brightness: Adjust the brightness level of the picture in PIP/PBP Mode.  decreases the brightness  increases the brightness</p> <p>Contrast: Adjust the contrast level of the picture in PIP/PBP Mode.  decreases the contrast</p>	<p>The functions can bring up a picture of second image source. Thus you can watch 2 images from different sources at the same time.</p>



increases the contrast

Hue/Tint:

This function makes color shift of PIP/PBP image to green or purple. This is used to adjust for desired flesh tone color.



makes image shade into green



makes image shade into purple

Saturation:

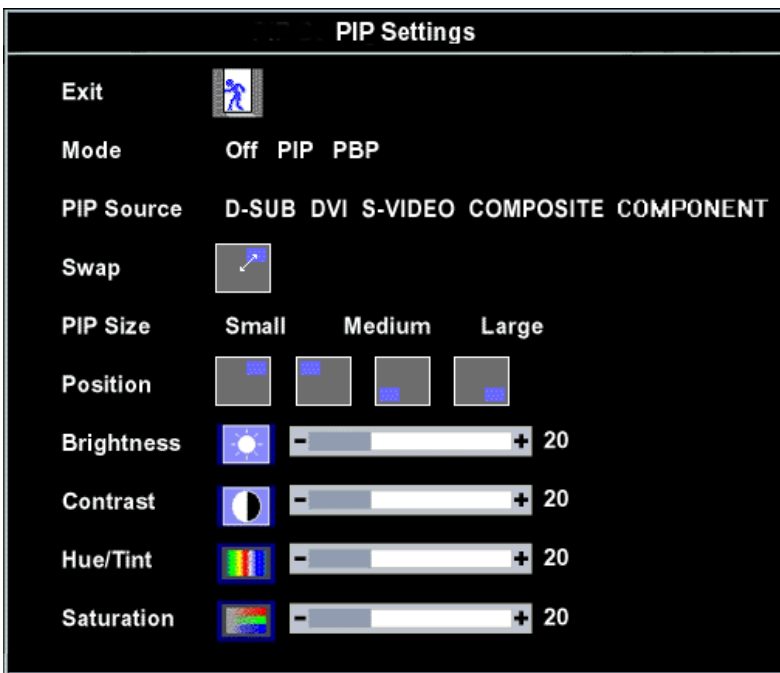
Adjust the color saturation of PIP/PBP image.



makes the image looks more monochrome



makes the image looks more colorful



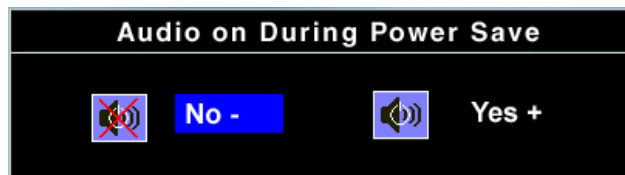
NOTE: The sub-menu adjusts per the type of the input signal.



Audio

Audio for the Dell™ Sound Bar (Optional) can be turned on or off when the monitor is 'Power Saving' mode.

- **Yes:** Enables Audio to be turned on when computer is in Power Saving mode.
- **No:** Disables Audio to be turned on when computer is in Power Saving mode (Default Condition)



NOTE: When Dell™ Sound Bar is not properly connected to the monitor, the audio menu is not



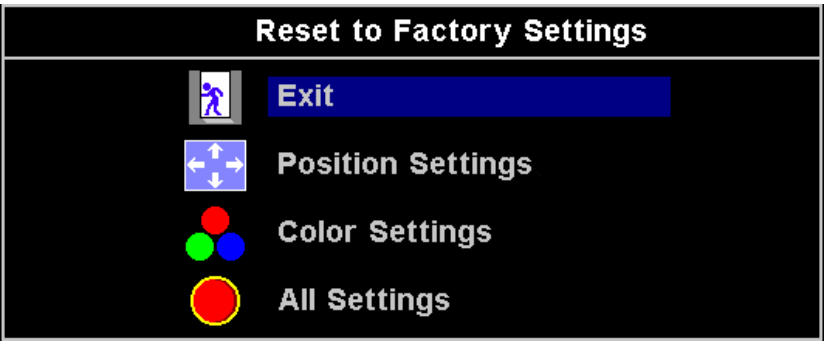

available. (Please Move UP)

Automatic Save

With the OSD on, if you make an adjustment and then either proceed to another menu, or exit the OSD, the monitor automatically saves any adjustments you have made. If you make an adjustment and then wait for the OSD to disappear the adjustment will also be saved.

Reset Functions

Factory Preset Restoration

 <p>The image shows the 'Reset to Factory Settings' OSD menu. It has a title bar at the top. Below it, there are four options, each with an icon and text: 'Exit' (person icon), 'Position Settings' (four arrows icon), 'Color Settings' (three colored circles icon), and 'All Settings' (one red circle icon). The 'Exit' option is highlighted with a blue bar.</p>	<p>Exit leaves this submenu without resetting any values.</p> <p>Position Settings resets the settings only for horizontal/vertical Position.</p> <p>Color Settings resets the Red, Green and Blue Color Control settings to their original factory settings and sets to the default setting of Normal Preset.</p> <p>All Settings returns your monitor settings to those that were set at the time of manufacture. This includes color, position, clock frequency, phase, brightness, contrast and OSD hold time.</p>
<p> NOTE: There is no "Undo" when you use the Reset function. To return to the previous function settings, you must adjust the functions again. Reset will set the clock and phase back to factory settings, activating "auto adjust" may be required and this will optimize the image for your system.</p>	

OSD Warning Messages

A warning message may appear on the screen indicating that the monitor is out of sync.

Cannot Display this Mode

This means that the monitor cannot synchronize with the signal that it is receiving from the computer. Either the signal is too high or too low for the monitor to use. See [Monitor Specifications](#) for the Horizontal and Vertical frequency ranges addressable by this monitor. Recommended mode is 1920 X 1200 @ 60Hz.



When monitor get into Power Save mode, one of the following messages will appear depending upon the selected input.

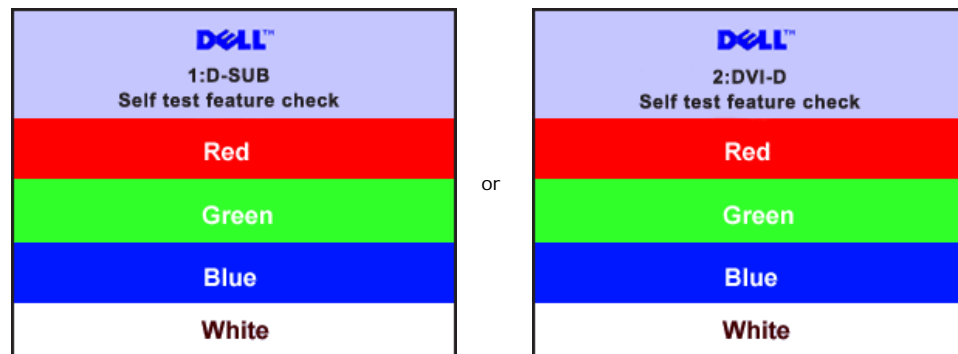
<p>1: D-SUB</p> <p>In power save mode</p> <p>Press computer power button</p> <p>or any key on keyboard or move mouse</p>	<p>or</p>	<p>2: DVI-D</p> <p>In power save mode</p> <p>Press computer power button</p> <p>or any key on keyboard or move mouse</p>
--	-----------	--

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

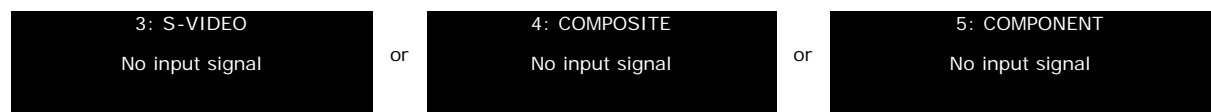


NOTE: The floating 'Dell™ ~ self-test Feature Check' dialog will appear on-screen if the monitor cannot sense a video signal. Depending upon the selected input, one of the dialogs shown below appear.

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

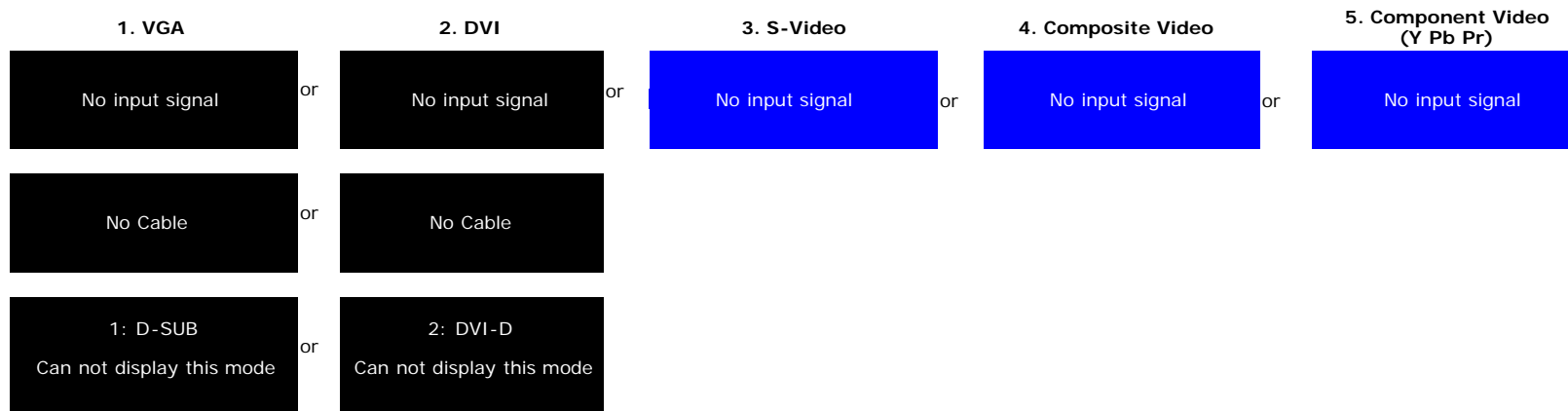


When the monitor does not sense the selected video input, one of the following messages will appear depending upon the selected input as long as you press any button other than power button.



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

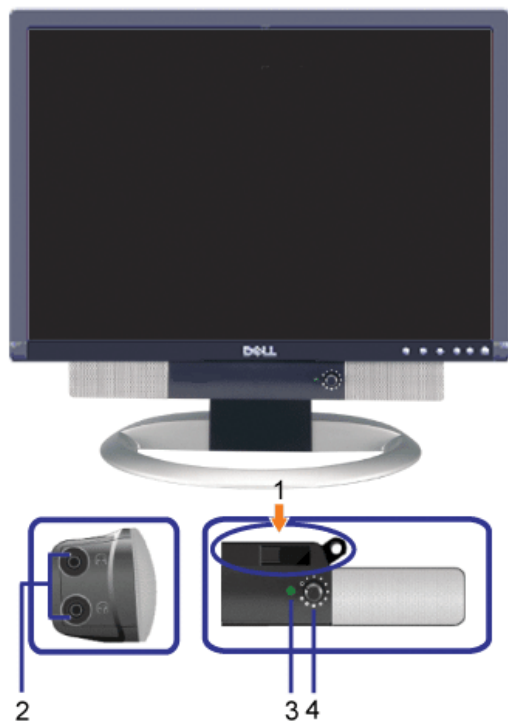
In PIP/PBP mode, when the monitor does not sense the selected second signal input, one of the following messages will appear depending upon the selected input as long as the OSD screen is closed.



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

Using the Dell™ Sound Bar (Optional)

The Dell™ Sound Bar is a four-speaker, two-channel system adaptable to mount on Dell™ Flat Panel Displays. The Sound Bar has a rotary volume and on/off control to adjust the overall system level, a green LED for power indication, and two audio headset jacks.



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

Sound Bar Attachment to the Monitor





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



NOTICE: DO NOT USE WITH ANY DEVICE OTHER THAN DELL SOUND BAR.

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

Using the Card Reader

Installation (Windows® 2000 and XP)

- The Flash Memory Card Reader adheres to the USB Mass Storage Class specifications.
 - Windows 2000 and XP recognize this class of devices (Plug-and-Play) and work with them automatically.
-

Operation

- After the Flash Memory Card Reader is connected to the computer via USB upstream cable (included with the monitor), four removable disks are displayed in Windows Explorer. Drives can be used just like any other drive in Windows.
 - Simply insert the memory card into the appropriate card slot.
(CF I/II, MS/MS PRO, SD/MMC, SMC)
See [Card Reader Specifications](#) for more information.
 - The drive is ready for use.
-

[Back to Contents Page](#)

Setting Up Your Monitor

Dell™ 2405FPW Flat Panel Monitor

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.](#)
-

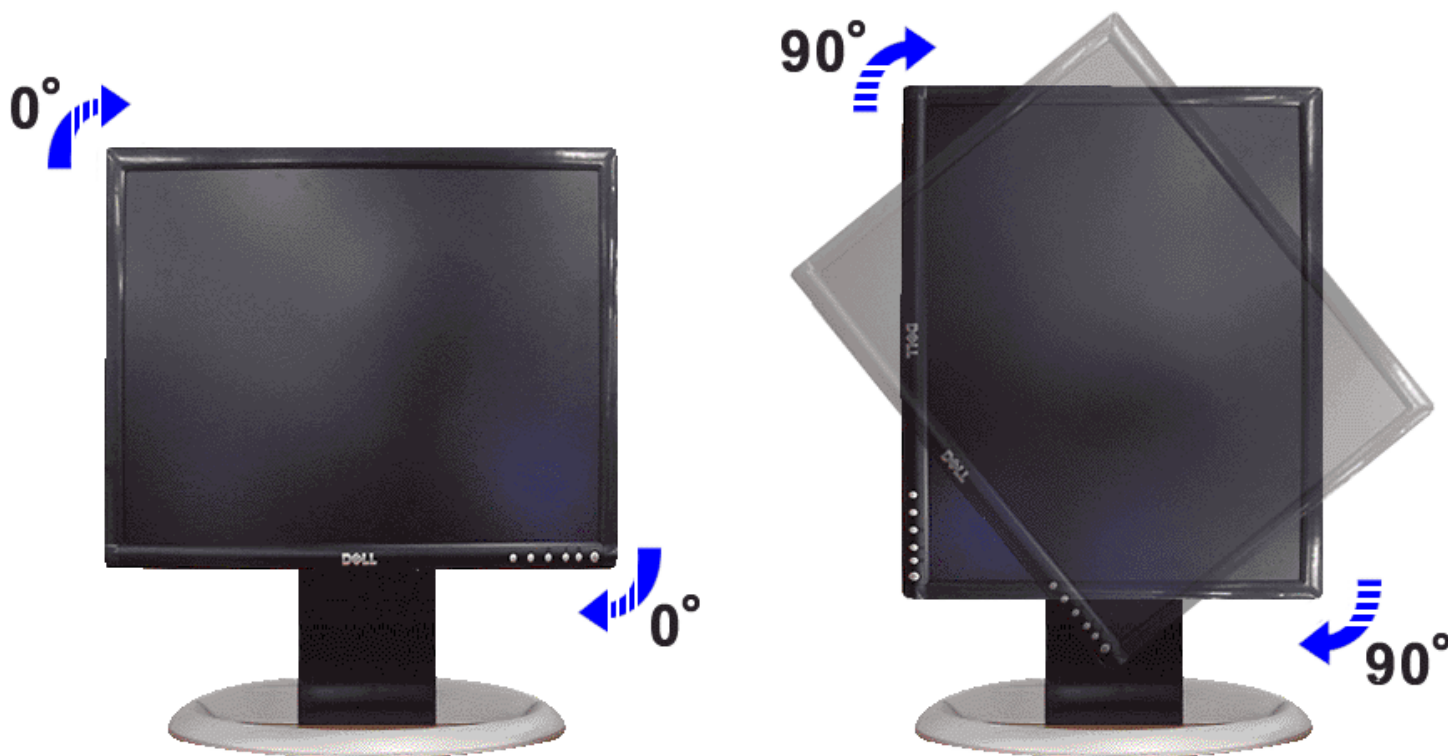
Rotating Your Monitor

Dell™ 2405FPW 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 either be vertically extended ([Vertical Extension](#)) or tilted ([Tilt](#)) to avoid hitting the bottom edge of the monitor.



In locked/down position tilt upwards, so that lower edge of monitor clears the stand and then rotate the monitor clockwise until the monitor stops at 90 °.


In the extended position rotate clockwise until the monitor stops at 90 °.

 **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 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 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 and download the latest driver for your graphics card.

Solving Problems

Dell™ 2405FPW Flat Panel Monitor

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

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

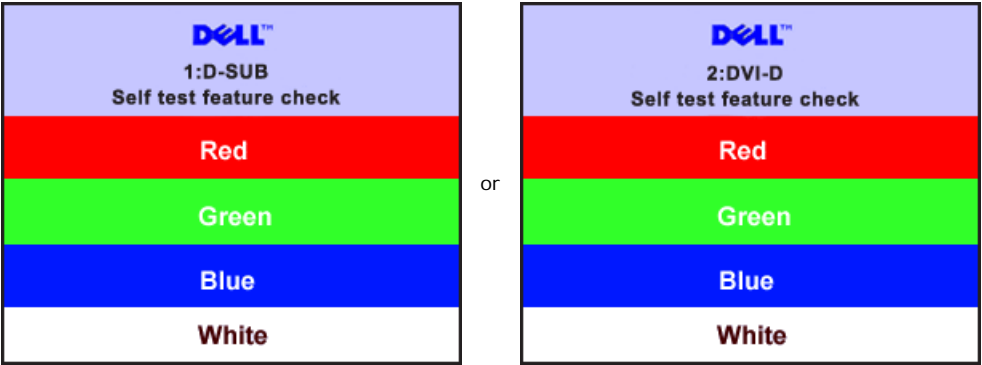
Monitor Specific Troubleshooting

Self-Test Feature Check (STFC)

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


- Turn off both your computer and the monitor.
- Unplug the video cable from the back of the computer. To ensure proper Self-Test operation, remove both Digital (white connector) and the Analog (blue connector) cables from the back of computer.
- Turn on the monitor.

The floating 'Dell™ - Self-Test Feature Check' 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.



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

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

 **NOTE:** Self test feature check is not available for S-Video, Composite video and component video (Y Pb Pr) modes.




OSD Warning Messages

For OSD-related issues, see [OSD Warning Messages](#)

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, monitor is dead	<ul style="list-style-type: none">Check connection integrity at both ends of the video cableElectric outlet verificationEnsure power button depressed fully

No Video/ Power LED on	No picture or no brightness	<ul style="list-style-type: none"> Increase brightness & contrast controls Perform monitor self-test feature check Check for bent or broken pins
Poor Focus	Picture is fuzzy, blurry or ghosting	<ul style="list-style-type: none"> Push Auto Adjust button Adjust Phase and Clock controls via OSD Eliminate video extension cables Perform monitor reset Lower video resolution or increase font size
Shaky/Jittery Video	Wavy picture or fine movement	<ul style="list-style-type: none"> Push Auto Adjust button Adjust Phase and Clock controls via OSD Perform monitor reset Check environmental factors Relocate and test in another room
Missing Pixels	LCD screen has spots	<ul style="list-style-type: none"> Cycle power on-off These are pixels that are permanently off and is a natural defect that occurs in LCD technology
Stuck-on Pixels	LCD screen has bright spots	<ul style="list-style-type: none"> Cycle power on-off These are pixels that are permanently on and is a natural defect that occurs in LCD technology
Brightness Problems	Picture too dim or too bright	<ul style="list-style-type: none"> Perform monitor reset on "All Settings" Push Auto Adjust button Adjust brightness & contrast controls <p> NOTE: When using '2: DVI-D', the contrast adjustment is not available.</p>
Geometric Distortion	Screen not centered correctly	<ul style="list-style-type: none"> Perform monitor reset on "Position Settings Only" Push auto-adjust button Adjust the centering controls Ensure monitor is in proper video mode <p> NOTE: 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"> Perform monitor reset on "All Settings" Push Auto Adjust button Adjust Phase and Clock controls via OSD Perform monitor self-test feature check and determine if these lines are also in self-test mode Check for bent or broken pins <p> NOTE: 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"> Perform monitor reset on "All Settings" Push Auto Adjust button Adjust Phase and Clock controls via OSD Perform monitor self-test feature check to determine if scrambled screen appears in self-test mode Check for bent or broken pins Boot up in the "safe mode"
LCD Scratched	Screen has scratches or smudges	<ul style="list-style-type: none"> Turn monitor off and clean the screen For cleaning instruction, see Caring for Your Monitor.
Safety Related Issues	Visible signs of smoke or sparks	<ul style="list-style-type: none"> Do not perform any troubleshooting steps Monitor needs to be replaced
Intermittent Problems	Monitor malfunctions on & off	<ul style="list-style-type: none"> Ensure monitor is in proper video mode Ensure video cable connection to computer and to the flat panel is secure Perform monitor reset on "All Settings" Perform monitor self-test feature check to determine if the intermittent problem occurs in self-test mode
Missing Color	Picture missing color	<ul style="list-style-type: none"> Perform monitor self-test feature check Check connection integrity at both end of the video cable Check for bent or broken pins
Wrong Color	Picture color not good	<ul style="list-style-type: none"> Change the color to "User Preset" Adjust R/G/B value of "User Preset"

Video Problems

COMMON SYMPTOMS	WHAT YOU EXPERIENCE	POSSIBLE SOLUTIONS
No Video	No signal indicator is displayed	<ul style="list-style-type: none"> Check Video Input Selection <ul style="list-style-type: none"> Composite: Yellow colored RCA jack S-Video: Typically a round 4 pin jack Component: Red, Blue, Green colored RCA jacks

Low Quality DVD playback	Picture not crisp and some color distortion	<ul style="list-style-type: none"> • Check DVD connection <ul style="list-style-type: none"> ◦ Composite gives good picture ◦ S-Video gives better picture ◦ Component gives best picture
--------------------------	---	--

 **NOTE:** When choosing S-Video, Composite video, Component video (Y Pb Pr), [Auto Adjust](#) hot key 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"> • Perform monitor reset on "All Settings"
Cannot adjust the monitor with the buttons on the front panel	OSD does not appear on the screen	<ul style="list-style-type: none"> • Turn the monitor off and unplug the power cord and then plug back and power on
The monitor will not go into power saving mode.	No picture, the LED light is green. When press "+", "-", " or "Menu" key, the message " No input signal " will appear.	<ul style="list-style-type: none"> • Move mouse or hit any key on the keyboard on the computer or activate video player, then access the OSD to set both Audio/Video to " off " state.
No Input Signal when user controls pressed	No picture, the LED light is green. When press "+", "-", " or "Menu" key, the message " No input signal " will appear.	<ul style="list-style-type: none"> • Check the signal source. Make sure the Computer is not in power saving by moving mouse or pressing any key on the keyboard. • Check to make sure Video Source to S-Video, Composite or Component is powered and playing video media. • Check whether the signal cable is plugged in and seated properly. Re-plug the signal cable if necessary. • Re-boot the computer or video player.
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"> • Due to the non-standard formats of DVDs, the monitor may not show the full screen pictures.

 **NOTE:** When choosing DVI-D mode, [Auto Adjust](#) hot key 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"> • Check that your monitor is powered ON. • Reconnect the upstream cable to your computer. • Reconnect the USB peripherals (downstream connector). • Switch off and then turn on the monitor again. • Reboot the computer.
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"> • Check that your computer is USB 2.0 capable. • Verify USB 2.0 source on your computer. • Reconnect the upstream cable to your computer. • Reconnect the USB peripherals (downstream connector). • Reboot the computer.

Dell™ Sound Bar (Optional) Troubleshooting

COMMON SYMPTOMS	WHAT YOU EXPERIENCE	POSSIBLE SOLUTIONS
No Sound	No power to Sound Bar - the power indicator is off. (built-in DC power supply. i.e. 2405FPW)	<ul style="list-style-type: none"> • Turn the Power/Volume knob on the Sound Bar clockwise to the middle position; check if the power indicator (green LED) on the front of the Sound Bar is illuminated. • Confirm that the power cable from the Sound Bar is plugged into the monitor. • Confirm that the monitor has power. • If the monitor has no power, see Monitor Specific Troubleshooting for monitor common problem.

No Sound	Sound Bar has power - power indicator is on.	Plug the audio line-in cable into the computer's audio out jack. <ul style="list-style-type: none"> Set all Windows volume controls to their maximum. Play some audio content on the computer (i.e. audio CD, or MP3). Turn the Power/Volume knob on the Sound Bar clockwise to a higher volume setting. Clean and reseal the audio line-in plug. Test the Sound Bar using another audio source (i.e. portable CD player).
Distorted Sound	Computer's sound card is used as the audio source.	<ul style="list-style-type: none"> Clear any obstructions between the Sound Bar and the user. Confirm that the audio line-in plug is completely inserted into the jack of the sound card. Set all Windows volume controls to their midpoints. Decrease the volume of the audio application. Turn the Power/Volume knob on the Sound Bar counter-clockwise to a lower volume setting. Clean and reseal the audio line-in plug. Troubleshoot the computer's sound card. Test the Sound Bar using another audio source (i.e. portable CD player).
Distorted Sound	Other audio source is used.	<ul style="list-style-type: none"> Clear any obstructions between the Sound Bar and the user. Confirm that the audio line-in plug is completely inserted into the jack of the audio source. Decrease the volume of the audio source. Turn the Power/Volume knob on the Sound Bar counter-clockwise to a lower volume setting. Clean and reseal the audio line-in plug.
Unbalanced Sound Output	Sound from only one side of Sound Bar	<ul style="list-style-type: none"> Clear any obstructions between the Sound Bar and the user. Confirm that the audio line-in plug is completely inserted into the jack of the sound card or audio source. Set all Windows audio balance controls (L-R) to their midpoints. Clean and reseal the audio line-in plug. Troubleshoot the computer's sound card. Test the Sound Bar using another audio source (i.e. portable CD player).
Low Volume	Volume is too low.	<ul style="list-style-type: none"> Clear any obstructions between the Sound Bar and the user. Turn the Power/Volume knob on the Sound Bar clockwise to the maximum volume setting. Set all Windows volume controls to their maximum. Increase the volume of the audio application. Test the Sound Bar using another audio source (i.e. portable CD player).

Card Reader Troubleshooting

 **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.	A. Right-click My Computer on the desktop, and then click Manage . Under Computer Management , click Desk Management . B. In the list of drives in the right panel, right-click Removable Device and then click Change Drive Letter and Paths . C. Click Change , and in the drop-down box, specify a drive letter for the Removable Device , choosing one that is not assigned to the mapped network drives. D. Click OK , and then click OK again
Drive letter is assigned, but the media is not accessible	The media needs reformatting.	Right-click the drive in Explorer and choose Format from the resulting menu.
The media has been ejected during writing or erasing.	Displays the error message, "Error copying file or folder." 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.	Reinsert the media and write or erase again. Format the media for writing or erasing the same folder or file name.
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		Verify that the write- protect switch of the

media.	Write protect switch is enabled.	media is unlocked.
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[Back to Contents Page](#)

Appendix

Dell™ 2405FPW Flat Panel Monitor

- [Warranty Information](#)
 - [Safety Information](#)
 - [Safety Information: Card Reader](#)
 - [Contacting Dell™](#)
 - [Regulatory Notices](#)
 - [Your Monitor Set-up Guide](#)
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Warranty Information

U.S. Terms and Conditions of Sale

These terms and conditions ("Agreement") apply to your purchase of computer systems and/or related products and/or services and support sold in the United States ("Product") by the Dell™ entity named on the invoice or acknowledgement ("Dell™") provided to you. By accepting delivery of the Product, you accept and are bound to the terms and conditions of this Agreement. If you do not wish to be bound by this Agreement, you must notify Dell™ immediately and return your purchase pursuant to Dell™'s Total Satisfaction Return Policy. (See: <http://support.dell.com/ContactUs/ByPhone.aspx?c=us&l=en&s=gen> for our contact information.) If returned, Product(s) must remain in the boxes in which they were shipped. THIS AGREEMENT SHALL APPLY UNLESS (I) YOU HAVE A SEPARATE PURCHASE AGREEMENT WITH DELL™, IN WHICH CASE THE SEPARATE AGREEMENT SHALL GOVERN; OR (II) OTHER DELL™ TERMS AND CONDITIONS APPLY TO THE TRANSACTION.

1. Other Documents.

This Agreement may NOT be altered, supplemented, or amended by the use of any other document(s) unless otherwise agreed to in a written agreement signed by both you and Dell™. If you do not receive an invoice or acknowledgement in the mail, via e-mail, or with your Product, information about your purchase may be obtained at <https://support.dell.com/dellcare/Invoice.aspx> or by contacting your sales representative.

2. Payment Terms; Orders; Quotes; Interest.

Payment terms are within Dell™'s sole discretion, and, unless otherwise agreed to by Dell™, payment must be made at the time of purchase. Payment for Product may be made by credit card, wire transfer, or some other prearranged payment method. Dell™ may invoice parts of an order separately. Your order is subject to cancellation by Dell™, at Dell™'s sole discretion. Unless you and Dell™ have agreed to a different discount, Dell™'s standard pricing policy for Dell™branded systems, which include both hardware and services in one discounted price, allocates the discount off list price applicable to the service portion of the system to be equal to the overall calculated percentage discount off list price on the entire system. Dell™ is not responsible for pricing, typographical, or other errors, in any offer by Dell™ and reserves the right to cancel any orders resulting from such errors.

3. Shipping Charges; Taxes; Title; Risk of Loss.

Shipping and handling are additional unless otherwise expressly indicated at the time of sale. Loss or damage that occurs during shipping by a carrier selected by Dell™ is Dell™'s responsibility. Loss or damage that occurs during shipping by a carrier selected by you is your responsibility. You must notify Dell™ within 30 days of the date of your invoice or acknowledgement if you believe any part of your purchase is missing wrong or damaged. Unless you provide Dell™ with a valid and correct tax exemption certificate applicable to your purchase of Product and the Product ship-to location, you are responsible for sales and other taxes associated with the order. Shipping dates are estimates only. Title to software will remain with the applicable licensor(s).

4. Warranties.

THE LIMITED WARRANTIES APPLICABLE TO DELL™-BRANDED HARDWARE PRODUCT CAN BE FOUND AT <http://www.dell.com/policy/legal/warranty.htm> OR IN THE DOCUMENTATION DELL™ PROVIDES WITH THE PRODUCT. DELL™ MAKES NO WARRANTIES FOR SERVICE, SOFTWARE, OR NON-DELL™ BRANDED PRODUCT. SUCH PRODUCT IS PROVIDED BY DELL™ "AS IS". WARRANTY AND SERVICE FOR NON-DELL™ BRANDED PRODUCT, IF ANY, IS PROVIDED BY THE ORIGINAL MANUFACTURER, NOT BY DELL™. DELL™ MAKES NO EXPRESS WARRANTIES EXCEPT THOSE STATED IN DELL™'S APPLICABLE WARRANTY STATEMENT IN EFFECT ON THE DATE OF THE INVOICE, PACKING SLIP OR ACKNOWLEDGEMENT. WARRANTIES AND SERVICE WILL BE EFFECTIVE, AND DELL™ WILL BE OBLIGATED TO HONOR ANY SUCH WARRANTIES AND SERVICES, ONLY UPON DELL™'S RECEIPT OF PAYMENT IN FULL FOR THE ITEM TO BE WARRANTED OR SERVICED.

5. Software.

All software is provided subject to the license agreement that is part of the software package and you agree that you will be bound by such license agreement.

6. Return Policies; Exchanges.

New and refurbished Product that you purchase directly from Dell™ (and not a third party) you may return or exchange only in accordance with Dell™'s return policy in effect on the date of the invoice or acknowledgement. Any returns or exchanges will be made in accordance with Dell™'s exchange policies in effect on the date of the return or exchange. You must contact us directly before you attempt to return Product to obtain a Return Material Authorization Number for you to include with your return. You must return Product to us in their original or equivalent packaging. You are responsible for risk of loss, shipping and handling fees for returning or exchanging Product. Additional fees may apply.

Dell™'s return policy for Dell™-branded Product can be found at: <http://www.dell.com/policy/legal/warranty.htm>.
Non-Dell™ branded software and peripheral return policies can be found at: http://rcommerce.us.dell.com/rcomm/include/dw_policies.htm.
Refurbished Product return policies can be found at: http://www.dell.com/us/en/dfh/topics/segtopic_nav_info_002_info.htm.

If you fail to follow the return or exchange instructions and policies provided by Dell™, Dell™ is not responsible whatsoever for Product that is lost, damaged, modified or otherwise processed for disposal or resale. If you are returning all components in an order, you will be credited the full amount paid for the order. At Dell™'s discretion, credit for partial returns may be less than invoice or individual component prices due to bundled or promotional pricing.

7. Changed or Discontinued Product.

Dell™'s policy is one of ongoing update and revision. Dell™ may revise and discontinue Product at any time without notice to you and this may affect information saved in your online "cart." Dell™ will ship Product that have the functionality and performance of the Product ordered, but changes between what is shipped and what is described in a specification sheet or catalog are possible. Parts used in repairing or servicing Product may be new, equivalent-tonew, or reconditioned.

8. Service and Support.

Service offerings may vary from Product to Product. If you purchase optional services and support from Dell™, Dell™ and/or your third-party service provider will provide such service and support to you in the United States in accordance with the terms and conditions located at http://www.dell.com/us/en/gen/services/service_service_contracts.htm or as mailed to you. You may contact Dell™ for more information, see <http://www1.us.dell.com/content/topics/segtopic.aspx/contact/contact?c=us&l=en&s=gen> for contact information. Dell™ and/or the third-party service provider may at their discretion, revise their general and optional service and support programs and the terms and conditions that govern them without prior notice to you. Dell™ has no obligation to provide service or support until Dell™ has received full payment for the Product or service/support contract you purchased. Dell™ is not obligated to provide service or support you purchase through a third party and not Dell™.

9. Limitation of Liability.

DELL™ DOES NOT ACCEPT LIABILITY BEYOND THE REMEDIES SET FORTH HEREIN, INCLUDING BUT NOT LIMITED TO ANY LIABILITY FOR PRODUCT NOT BEING AVAILABLE FOR USE, LOST PROFITS, LOSS OF BUSINESS OR FOR LOST OR CORRUPTED DATA OR SOFTWARE, OR THE PROVISION OF SERVICES AND SUPPORT. EXCEPT AS EXPRESSLY PROVIDED HEREIN, DELL™ WILL NOT BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR FOR ANY CLAIM BY ANY THIRD PARTY. YOU AGREE THAT FOR ANY LIABILITY RELATED TO THE PURCHASE OF PRODUCT, DELL™ IS NOT LIABLE OR RESPONSIBLE FOR ANY AMOUNT OF DAMAGES ABOVE THE AMOUNT INVOICED FOR THE APPLICABLE PRODUCT. NOTWITHSTANDING ANYTHING IN THIS AGREEMENT TO THE CONTRARY, THE REMEDIES SET FORTH IN THIS AGREEMENT SHALL APPLY EVEN IF SUCH REMEDIES FAIL THEIR ESSENTIAL PURPOSE. DELL™ IS NOT LIABLE TO YOU FOR WARRANTIES, SUPPORT, OR SERVICE MADE BY OR PURCHASED FROM A THIRD PARTY AND NOT DIRECTLY FROM DELL™. DELL™ IS NOT RESPONSIBLE FOR REPRESENTATIONS OR OMISSIONS MADE BY A THIRD PARTY.

10. Applicable Law; Not For Resale or Export.

You agree to comply with all applicable laws and regulations of the various states and of the United States. You agree and represent that you are buying only for your own internal use only, and not for resale or export. Dell™ has separate terms and conditions governing resale of Product by third parties and transactions outside the United States. Terms and conditions for resale are located at: www.dell.com/policy/legal/termsforsale.htm.

11. Governing Law.

THIS AGREEMENT AND ANY SALES THERE UNDER SHALL BE GOVERNED BY THE LAWS OF THE STATE OF TEXAS, WITHOUT REGARD TO CONFLICTS OF LAWS RULES.

12. Headings.

The section headings used herein are for convenience of reference only and do not form a part of these terms and conditions, and no construction or inference shall be derived there from.

13. Binding Arbitration.

ANY CLAIM, DISPUTE, OR CONTROVERSY (WHETHER IN CONTRACT, TORT, OR OTHERWISE, WHETHER PREEXISTING, PRESENT OR FUTURE, AND INCLUDING STATUTORY, COMMON LAW, INTENTIONAL TORT AND EQUITABLE CLAIMS) BETWEEN CUSTOMER AND DELL™, its agents, employees, principals, successors, assigns, affiliates (collectively for purposes of this paragraph, "Dell™") arising from or relating to this Agreement, its interpretation, or the breach, termination or validity thereof, the relationships which result from this Agreement (including, to the full extent permitted by applicable law, relationships with third parties who are not signatories to this Agreement), Dell™'s advertising, or any related purchase SHALL BE RESOLVED EXCLUSIVELY AND FINALLY BY BINDING ARBITRATION ADMINISTERED BY THE NATIONAL ARBITRATION FORUM (NAF) under its Code of Procedure then in effect (available via the Internet at <http://www.arb-forum.com> , or via telephone at 1-800-474-2371). The arbitration will be limited solely to the dispute or controversy between customer and Dell™. NEITHER CUSTOMER NOR DELL™ SHALL BE ENTITLED TO JOIN OR CONSOLIDATE CLAIMS BY OR AGAINST OTHER CUSTOMERS, OR ARBITRATE ANY CLAIM AS A REPRESENTATIVE OR CLASS ACTION OR IN A PRIVATE ATTORNEY GENERAL CAPACITY. This transaction involves interstate commerce, and this provision shall be governed by the Federal Arbitration Act 9 U.S.C. sec. 1-16 (FAA). Any award of the arbitrator(s) shall be final and binding on each of the parties, and may be entered as a judgment in any court of competent jurisdiction. Dell™ will be responsible for paying any arbitration filing fees and fees required to obtain a hearing to the extent such fees exceed the amount of the filing fee for initiating a claim in the court of general jurisdiction in the state in which you reside. Each party shall pay for its own costs and attorneys' fees, if any. However, if any party prevails on a statutory claim that affords the prevailing party attorneys' fees, or if there is a written agreement providing for fees, the Arbitrator may award reasonable fees to the prevailing party, under the standards for fee shifting provided by law. Information may be obtained and claims may be filed with the NAF at P.O. Box 50191, Minneapolis, MN 55405. (REV 3//04)

Limited Warranties and Return Policy

Dell™-branded hardware products purchased in the U.S. or Canada come with either a 90-day, one-year, two-year, three-year, or four-year limited warranty. To determine which warranty you purchased, see the invoice that accompanied your hardware product(s). The following sections describe the limited warranties and return policy for the U.S., the limited warranties and return policy for Canada, and the manufacturer guarantee for Latin America and the Caribbean.

Limited Warranty for the U.S.

What is covered by this limited warranty?

This limited warranty covers defects in materials and workmanship in your—our end-user customer's—Dell™-branded hardware products, including Dell™-branded peripheral products.

What is not covered by this limited warranty?

This limited warranty does not cover:

- Software, including the operating system and software added to the Dell™-branded hardware products through our factory-integration system, third-party software, or the reloading of software
- Non-Dell™-branded products and accessories
- Problems that result from:
 - External causes such as accident, abuse, misuse, or problems with electrical power
 - Servicing not authorized by us
 - Usage that is not in accordance with product instructions
 - Failure to follow the product instructions or failure to perform preventive maintenance
 - Problems caused by using accessories, parts, or components not supplied by us
- Products with missing or altered service tags or serial numbers
- Products for which we have not received payment

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE (OR JURISDICTION TO JURISDICTION). DELL™'S RESPONSIBILITY FOR MALFUNCTIONS AND DEFECTS IN HARDWARE IS LIMITED TO REPAIR AND REPLACEMENT AS SET FORTH IN THIS WARRANTY STATEMENT. ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN TIME TO THE TERM OF THE LIMITED WARRANTY PERIOD REFLECTED ON YOUR INVOICE. NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE LIMITED WARRANTY PERIOD HAS EXPIRED. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THIS LIMITATION MAY NOT APPLY TO YOU.

WE DO NOT ACCEPT LIABILITY BEYOND THE REMEDIES PROVIDED FOR IN THIS LIMITED WARRANTY OR FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, ANY LIABILITY FOR THIRD PARTY CLAIMS AGAINST YOU FOR DAMAGES, FOR PRODUCTS NOT BEING AVAILABLE FOR USE, OR FOR LOST DATA OR LOST SOFTWARE. OUR LIABILITY WILL BE NO MORE THAN THE AMOUNT YOU PAID FOR THE PRODUCT THAT IS THE SUBJECT OF A CLAIM. THIS IS THE MAXIMUM AMOUNT FOR WHICH WE ARE RESPONSIBLE.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

How long does this limited warranty last?

This limited warranty lasts for the time period indicated on your invoice, except that the limited warranty on Dell™-branded batteries lasts only one year and the limited warranty on the lamps for Dell™-branded projectors lasts only ninety days. The limited warranty begins on the date of the invoice. The warranty period is not extended if we repair or replace a warranted product or any parts. Dell™ may change the availability of limited warranties, at its discretion, but any changes will not be retroactive.

What do I do if I need warranty service?

Before the warranty expires, please call us at the relevant number listed in the following table. Please also have your Dell™ service tag number or order number available.


Individual Home Consumers:	U.S. Only
Technical Support	1-800-624-9896
Customer Service	1-800-624-9897
Individual Home Consumers who purchased through an Employee Purchase Program:	
Technical Support and Customer Service	1-800-822-8965
Home and Small Business Commercial Customers:	
Technical Support and Customer Service	1-800-456-3355
Medium, Large, or Global Commercial Customers, Healthcare Customers, and Value Added Resellers (VARs):	
Technical Support and Customer Service	1-800-822-8965
Government and Education Customers:	
Technical Support and Customer Service	1-800-234-1490
Dell™-Branded Memory	1-888-363-5150

What will Dell™ do?

During the 90 days of the 90-day limited warranty and the first year of all other limited warranties: During the 90 days of the 90-day limited warranty and the first year of all other limited warranties, we will repair any Dell™-branded hardware products returned to us that prove to be defective in materials or workmanship. If we are not able to repair the product, we will replace it with a comparable product that is new or refurbished.


When you contact us, we will issue a Return Material Authorization Number for you to include with your return. You must return the products to us in their original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk if the product is lost or damaged in shipment. We will return the repaired or replacement products to you. We will pay to ship the repaired or replaced products to you if you use an address in the United States (excluding Puerto Rico and U.S. possessions and territories). Otherwise, we will ship the product to you freight collect.

If we determine that the product is not covered under this warranty, we will notify you and inform you of service alternatives that are available to you on a fee basis.

 **NOTE:** Before you ship the product(s) to us, make sure to back up the data on the hard drive(s) and any other storage device(s) in the product(s). Remove any confidential, proprietary, or personal information and removable media such as floppy disks, CDs, or PC Cards. We are not responsible for any of your confidential, proprietary, or personal information; lost or corrupted data; or damaged or lost removable media.

During the remaining years: For the remaining period of the limited warranty, we will replace any defective part with new or refurbished parts, if we agree that it needs to be replaced. When you contact us, we will require a valid credit card number at the time you request a replacement part, but we will not charge you for the replacement part as long as you return the original part to us within thirty days after we ship the replacement part to you. If we do not receive the original part within thirty days, we will charge to your credit card the then-current standard price for that part.

We will pay to ship the part to you if you use an address in the United States (excluding Puerto Rico and U.S. possessions and territories). Otherwise, we will ship the part freight collect. We will also include a prepaid shipping container with each replacement part for your use in returning the replaced part to us.

 **NOTE:** Before you replace parts, make sure to back up the data on the hard drive(s) and any other storage device(s) in the product(s). We are not responsible for lost or corrupted data.

What if I purchased a service contract?

If your service contract is with Dell™, service will be provided to you under the terms of the service agreement. Please refer to that contract for details on how to obtain service.

If you purchased through us a service contract with one of our third-party service providers, please refer to that contract for details on how to obtain service.

How will you fix my product?

We use new and refurbished parts made by various manufacturers in performing warranty repairs and in building replacement parts and systems. Refurbished parts and systems are parts or systems that have been returned to Dell™, some of which were never used by a customer. All parts and systems are inspected and tested for quality. Replacement parts and systems are covered for the remaining period of the limited warranty for the product you bought.

What do I do if I am not satisfied?

We pride ourselves on our great customer service. If you are not satisfied with the service you receive under this limited warranty, please let us know. We have found that the best way to resolve issues regarding our limited warranty is to work together. If, after those discussions, you are still not satisfied, we believe arbitration is the most expeditious way to resolve your concerns. Therefore, **ANY CLAIM, DISPUTE, OR CONTROVERSY (WHETHER IN CONTRACT, TORT, OR OTHERWISE, WHETHER PREEXISTING, PRESENT, OR FUTURE, AND INCLUDING STATUTORY, COMMON LAW, INTENTIONAL TORT, AND EQUITABLE CLAIMS) AGAINST DELL™** arising from or relating to this limited warranty, its interpretation, or the breach, termination, or validity thereof, the relationships which result from this limited warranty (including, to the full extent permitted by applicable law, relationships with third parties), Dell™'s advertising, or any related purchase **SHALL BE RESOLVED EXCLUSIVELY AND FINALLY BY BINDING ARBITRATION ADMINISTERED BY THE NATIONAL ARBITRATION FORUM (NAF)** under its Code of Procedure then in effect (available via the Internet at www.arb-forum.com/ or via telephone at 1-800-474-2371). The arbitration will be limited solely to the dispute or controversy between you and Dell™. Any award of the arbitrator(s) shall be final and binding on each of the parties, and may be entered as a judgment in any court of competent jurisdiction. Information may be obtained and claims may be filed with the NAF at P.O. Box 50191, Minneapolis, MN 55405. This provision applies only to individual home consumers and consumers who purchased through an employee purchase program. It does not apply to small, medium, large, and global commercial customers or government, education, and healthcare customers.

May I transfer the limited warranty?

Limited warranties on systems may be transferred if the current owner transfers ownership of the system and records the transfer with us. The limited warranty on Dell™-branded memory may not be transferred. You may record your transfer by going to Dell™'s website:

- If you are an Individual Home Consumer, go to www.dell.com/us/en/dhs/topics/sbtopic_015_ccare.htm
- If you are a Small, Medium, Large, or Global Commercial Customer, go to www.dell.com/us/en/biz/topics/sbtopic_ccare_nav_015_ccare.htm
- If you are a Government, Education, or Healthcare Customer, or an Individual Consumer who purchased through an employee purchase program, go to www.dell.com/us/en/pub/topics/sbtopic_015_ccare.htm

If you do not have Internet access, call your customer care representative or call 1-800-624-9897.

Total Satisfaction Return Policy (U.S. Only)

We value our relationship with you and want to make sure that you're satisfied with your purchases. That's why we offer a Total Satisfaction return policy for most products that you, the end-user customer, purchase directly from Dell™. Under this policy, you may return to Dell™ products that you purchased directly from Dell™ for a credit or a refund of the purchase price paid, less shipping and handling and applicable return fees as follows:

- **New Hardware Products and Accessories** — Unless you have a separate agreement with Dell™, all hardware, accessories, peripherals, parts, and unopened software still in its /their sealed package, excluding the products listed below, may be return within twenty-one (21) days from the date on the packing slip or invoice

Exclusions from the foregoing return policy:

New PowerEdge™, PowerConnect™ and PowerVault™ products (excluding PowerVault 160T tape libraries) may be returned within thirty (30) days from the date on the packing slip or invoice, except that new PowerEdge™ SC servers and n series products purchased from the Small and Medium Business Sales Division may only be returned within fourteen (14) days from the date on the packing slip or invoice.

Application software or an operating system that has been installed by Dell may not be returned unless you return the entire computer under the 21-day return policy, if applicable to your purchase (if not applicable to your purchase, you may not return application software or an operating system).


Non-defective third party and Dell-branded software, peripheral, electronics and accessory products (for example: televisions, printers, projectors, MP3 players, PDAs, battery chargers, un-preinstalled third party software, wireless cards/access points/routers), including but not limited to those sold by or through Dell's "Software & Peripherals" or "Electronics & Accessories" groups, may be returned within twenty-one (21) days from the date on the packing slip or invoice, but a fifteen percent (15%) return fee may be deducted from any refund or credit.

Dell | EMC storage products, EMC-branded products, Unisys-branded products, PowerVault™ 160T tape libraries, enterprise software, non-Dell branded enterprise products, software and/or software licenses, or any non-Dell customized hardware and/or software product(s) may not be returned at any time.

Reconditioned or Refurbished Dell-Branded Hardware Products and Parts: All reconditioned or refurbished PowerEdge™, PowerConnect™ and PowerVault™ products may be returned within thirty (30) days from the date on the packing slip or invoice. All other reconditioned or refurbished Dell-branded hardware products and parts may be returned within fourteen (14) days of the date on the packing slip or invoice.

How to Return: To return products, e-mail or call Dell customer service to receive a Credit Return Authorization Number within the return policy period applicable to the product you want to return. You must obtain a Credit Return Authorization Number in order to return the product. See "Contacting Dell" or "Getting Help" in your customer documentation (or www.dell.com/us/en/gen/contact.htm) to find the appropriate contact information for obtaining customer assistance.

You must ship the products to Dell within five (5) days of the date that Dell issues the Credit Return Authorization Number. You must also return the products to Dell in their original packaging, in as-new condition along with any media, documentation, and all other items that were included in the original shipment, prepay shipping charges, and insure the shipment or accept the risk of loss or damage during shipment.

 **NOTE:** Before you ship the product(s) to us, make sure to back up the data on the hard drive(s) and any other storage device(s) in the product(s). Remove any confidential, proprietary or personal information, removable media, such as floppy disks, CDs, or PC Cards. We are not responsible for any of your confidential, proprietary or personal information; lost or corrupted data; or damaged or lost removable media.

- **Reconditioned or Refurbished Dell™-Branded Hardware Products and Parts** —All reconditioned or refurbished PowerEdge™, PowerConnect™ and PowerVault™ products may be returned within thirty (30) days from the date on the packing slip or invoice. All other reconditioned or refurbished Dell™-branded hardware products and parts may be returned within fourteen (14) days of the date on the packing slip or invoice.
- **How to return** —To return products, e-mail or call Dell™ customer service to receive a Credit Return Authorization Number within the return policy period applicable to the product you want to return. You must obtain a Credit Return Authorization Number in order to return the product. See "Contacting Dell™" or "Getting Help" in your customer documentation (or go to www.dell.com/us/en/gen/contact.htm) to find the appropriate contact information for obtaining customer assistance.

You must ship the products to Dell™ within five (5) days of the date that Dell™ issues the Credit Return Authorization Number. You must also return the products to Dell™ in their original packaging, in as-new condition along with any media, documentation, and all other items that were included in the original shipment, prepay shipping charges, and insure the shipment or accept the risk of loss or damage during shipment.

Limited Warranty Terms for Canada

What is covered by this limited warranty?

This limited warranty covers defects in materials and workmanship in your—our end-user customer's—Dell™-branded hardware products, including Dell™-branded peripheral products.

What is not covered by this limited warranty?

This limited warranty does not cover:

- Software, including the operating system and software added to the Dell™-branded hardware products through our factory-integration system, or the reloading of the software
- Non-Dell™ branded products and accessories
- Problems that result from:
 - External causes such as accident, abuse, misuse, or problems with electrical power
 - Servicing not authorized by us
 - Usage that is not in accordance with product instructions
 - Failure to follow the product instructions or failure to perform preventive maintenance
 - Problems caused by using accessories, parts, or components not supplied by us
- Products with missing or altered service tags or serial numbers
- Products for which we have not received payment

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM PROVINCE TO PROVINCE. DELL™'S RESPONSIBILITY FOR MALFUNCTIONS AND DEFECTS IN PRODUCT IS LIMITED TO REPAIR AND REPLACEMENT AS SET FORTH IN THIS WARRANTY STATEMENT, FOR THE TERM OF THE WARRANTY PERIOD REFLECTED ON YOUR INVOICE. EXCEPT FOR THE EXPRESS WARRANTIES CONTAINED IN THIS WARRANTY STATEMENT, DELL™ DISCLAIMS ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE. SOME PROVINCES DO NOT ALLOW THE EXCLUSION OF CERTAIN IMPLIED WARRANTIES OR CONDITIONS, OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY OR CONDITION LASTS. THEREFORE, THE FOREGOING EXCLUSIONS AND LIMITATIONS MAY NOT APPLY TO YOU.

WE DO NOT ACCEPT LIABILITY BEYOND THE REMEDIES PROVIDED FOR IN THIS WARRANTY STATEMENT OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, ANY LIABILITY FOR THIRD PARTY CLAIMS AGAINST YOU FOR DAMAGES, FOR PRODUCTS NOT BEING AVAILABLE FOR USE, OR FOR LOST DATA OR LOST SOFTWARE. OUR LIABILITY WILL BE NO MORE THAN THE AMOUNT YOU PAID FOR THE PRODUCT THAT IS THE SUBJECT OF A CLAIM. THIS IS THE MAXIMUM AMOUNT FOR WHICH WE ARE RESPONSIBLE.

SOME PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

How long does this limited warranty last?

This limited warranty lasts for the time period indicated on your invoice, except that the limited warranty on Dell™-branded batteries lasts only one year and the limited warranty on the lamps for Dell™-branded projectors lasts only ninety days. The limited warranty begins on the date of the invoice. The warranty period is not extended if we repair or replace a warranted product or any parts. Dell™ may change the terms and availability of limited warranties, at its discretion, but any changes will not be retroactive (that is, the warranty terms in place at the time of purchase will apply to your purchase).

What do I do if I need warranty service?

Before the warranty expires, please call us at the relevant number listed in the following table. Please also have your Dell™ service tag number or order number available.

Individual Home Consumers; Home Office and Small Business Customers:	Canada Only
Technical Support and Customer Service	1-800-847-4096
Medium, Large, and Global Commercial Customers; Government, Education, and Healthcare Customers; and Value Added Resellers (VARs):	
Technical Support	1-800-387-5757
Customer Service	1-800-326-9463
Government or Education Customers, or Individual Home Consumers who purchased through an Employee Purchase Program:	
Technical Support	1-800-387-5757


Customer Service	1-800-326-9463 (Extension 8221 for Individual Consumers)
Dell™-Branded Memory	1-888-363-5150

What will Dell™ do?

During the 90 days of the 90-day limited warranty and the first year of all other limited warranties: During the 90 days of the 90-day limited warranty and the first year of all other limited warranties, we will repair any Dell™-branded hardware products returned to us that prove to be defective in materials or workmanship. If we are not able to repair the product, we will replace it with a comparable product that is new or refurbished.


When you contact us, we will issue a Return Material Authorization Number for you to include with your return. You must return the products to us in their original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk if the product is lost or damaged in shipment. We will return the repaired or replacement products to you. We will pay to ship the repaired or replaced products to you if you use an address in Canada. Otherwise, we will ship the product to you freight collect.

If we determine that the problem is not covered under this warranty, we will notify you and inform you of service alternatives that are available to you on a fee basis.

 **NOTE:** Before you ship the product(s) to us, make sure to back up the data on the hard drive(s) and any other storage device(s) in the product(s). Remove any confidential, proprietary or personal information, removable media, such as floppy disks, CDs, or PC Cards. We are not responsible for any of your confidential, proprietary or personal information; lost or corrupted data; or damaged or lost removable media.

During the remaining years following the first year of all limited warranties: We will replace any defective part with new or refurbished parts, if we agree that it needs to be replaced. When you contact us, we will require a valid credit card number at the time you request a replacement part, but we will not charge you for the replacement part as long as you return the original part to us within thirty days after we ship the replacement part to you. If we do not receive the original part within thirty days, we will charge to your credit card the then-current standard price for that part.

We will pay to ship the part to you if you use an address in Canada. Otherwise, we will ship the part freight collect. We will also include a prepaid shipping container with each replacement part for your use in returning the replaced part to us.

 **NOTE:** Before you replace parts, make sure to back up the data on the hard drive(s) and any other storage device(s) in the product(s). We are not responsible for lost or corrupted data.

What if I purchased a service contract?

If your service contract is with Dell™, service will be provided to you under the terms of the service contract. Please refer to that contract for details on how to obtain service. Dell™'s service contracts can be found online at www.dell.ca or by calling Customer Care at 1-800-847-4096. If you purchased through us a service contract with one of our third-party service providers, please refer to that contract (mailed to you with your invoice) for details on how to obtain service.

How will you fix my product?

We use new and refurbished parts made by various manufacturers in performing warranty repairs and in building replacement parts and systems. Refurbished parts and systems are parts or systems that have been returned to Dell™, some of which were never used by a customer. All parts and systems are inspected and tested for quality. Replacement parts and systems are covered for the remaining period of the limited warranty for the product you bought. Dell™ owns all parts removed from repaired products.

What do I do if I am not satisfied?

We pride ourselves on our great customer service. If you are not satisfied with the service you receive under this limited warranty, please let us know. We have found that the best way to resolve issues regarding our limited warranty is to work together. If, after those discussions, you are still not satisfied, we believe arbitration is the most expeditious way to resolve your concerns. Therefore, **ANY CLAIM, DISPUTE, OR CONTROVERSY (WHETHER IN CONTRACT, TORT, OR OTHERWISE, WHETHER PREEXISTING, PRESENT OR FUTURE, AND INCLUDING STATUTORY, COMMON LAW, INTENTIONAL TORT, AND EQUITABLE CLAIMS) AGAINST DELL™** arising from or relating to this limited warranty, its interpretation, or the breach, termination or validity thereof, the relationships which result from this limited warranty (including, to the full extent permitted by applicable law, relationships with third parties), Dell™'s advertising, or any related purchase **SHALL BE RESOLVED EXCLUSIVELY AND FINALLY BY BINDING ARBITRATION ADMINISTERED BY THE NATIONAL ARBITRATION FORUM (NAF)** under its Code of Procedure then in effect (available via the Internet at www.arb-forum.com/, or via telephone at 1-800-474-2371). The arbitration will be limited solely to the dispute or controversy between you and Dell™. Any award of the arbitrator(s) shall be final and binding on each of the parties, and may be entered as a judgment in any court of competent jurisdiction. Information may be obtained and claims may be filed with the NAF at P.O. Box 50191, Minneapolis, MN 55405.

May I transfer the limited warranty?

Limited warranties on systems may be transferred if the current owner transfers ownership of the system and records the transfer with us. The limited warranty on Dell™-branded memory may not be transferred. You may record your transfer by going to our website:

- If you are an Individual Home Consumer, go to www.dell.com/us/en/dhs/topics/sbtopic_016_ccare.htm
- If you are a Home Office, Small, Medium, Large, or Global Commercial Customer, go to www.dell.com/us/en/biz/topics/sbtopic_ccare_nav_016_ccare.htm
- If you are a Government, Education, or Healthcare Customer, or an Individual Home Consumer who purchased through an Employee Purchase Program, go to www.dell.com/us/en/pub/topics/sbtopic_016_ccare.htm

If you do not have Internet access, please call Dell™ at 1-800-326-9463.

Total Satisfaction Return Policy (Canada Only)

If you are an end-user customer who bought new products directly from Dell™, you may return them to Dell™ up to 30 days after you receive them for a refund or credit of the product purchase price. If you are an end-user customer who bought reconditioned or refurbished products from Dell™, you may return them to Dell™ within 14 days after the date of invoice for a refund or credit of the product purchase price. In either case, the refund or credit will not include any shipping and handling charges shown on your invoice and will be subject to a fifteen percent (15%) restocking fee, unless otherwise prohibited by law. If you are an organization that bought the products under a written agreement with Dell™, the agreement may contain different terms for the return of products than specified by this policy.

To return products, you must call Dell™ Customer Service at 1-800-387-5759 to receive a Credit Return Authorization Number. To expedite the process of your refund or credit, Dell™ expects you to return the products to Dell™ in their original packaging within five days of the date that Dell™ issues the Credit Return Authorization Number. You must also prepay shipping charges and insure the shipment or accept the risk of loss or damage during shipment. You may return software for a refund or credit only if the sealed package containing the floppy disk(s) or CD(s) is unopened. Returned products must be in as-new condition, and all of the manuals, floppy disk(s), CD(s), power cables, and other items included with a product must be returned with it. For customers who want to return, for refund or credit only, either application or operating system software that has been installed by Dell™, the whole system must be returned, along with any media and documentation that may have been included in the original shipment.

The "Total Satisfaction" Return Policy does not apply to Dell™ | EMC storage products. It also does not apply to products purchased through Dell™'s Software and Peripherals division. For those products, please instead refer to Dell™'s Software and Peripheral's then-current return policy (see the following section, "Dell™ Software and Peripherals (Canada Only)").

Dell™ Software and Peripherals (Canada Only)

Third-Party Software and Peripherals Products

Similar to other resellers of software and peripherals, Dell™ does not warrant third-party products. Third-party software and peripheral products are covered by the warranties provided by the original manufacturer or publisher only. Third party manufacturer warranties vary from product to product. Consult your product documentation for specific warranty information. More information may also be available from the manufacturer or publisher.

While Dell™ offers a wide selection of software and peripheral products, we do not specifically test or guarantee that all of the products we offer work with any or all of the various models of Dell™ computers, nor do we test or guarantee all of the products we sell on the hundreds of different brands of computers available today. If you have questions about compatibility, we recommend and encourage you to contact the third-party software and peripheral product manufacturer or publisher directly.

Dell™-Branded Peripheral Products

Dell™ does provide a limited warranty for new Dell™-branded peripheral products (products for which Dell™ is listed as the manufacturer) such as monitors, batteries, memory, docking stations, and projectors). To determine which limited warranty applies to the product you purchased, see the Dell™ invoice and/or the product documentation that accompanied your product. Descriptions of Dell™'s limited warranties are described in preceding sections.

Return Policy

If you are an end-user customer who bought Dell™ Software and Peripherals products directly from a Dell™ company, you may return Dell™ Software and Peripherals products that are in as-new condition to Dell™ up to 30 days from the date of invoice for a refund of the product purchase price if already paid. This refund will not include any shipping and handling charges shown on your invoice; you are responsible for those.

To return products, you must call Dell™ Customer Service at 1-800-387-5759 to receive a Credit Return Authorization Number. You must ship the Dell™ Software and Peripherals products back to Dell™ in their original manufacturer's packaging (which must be in as-new condition), prepay shipping charges, and insure the shipment or accept the risk of loss or damage during shipment.

To qualify for refund or replacement, returned products must be in as-new condition, software products must be unopened, and all of the manuals, floppy disk(s), CD(s), power cables, and other items included with a product must be returned with it.

One-Year End-User Manufacturer Guarantee (Latin America and the Caribbean Only)

Guarantee

Dell™ Inc. ("Dell™") warrants to the end user in accordance with the following provisions that its branded hardware products, purchased by the end user from a Dell™ company or an authorized Dell™ distributor in Latin America or the Caribbean, will be free from defects in materials, workmanship, and design affecting normal use, for a period of one year from the original purchase date. Products for which proper claims are made will, at Dell™'s option, be repaired or replaced at Dell™'s expense. Dell™ owns all parts removed from repaired products. Dell™ uses new and reconditioned parts made by various manufacturers in performing repairs and building replacement products.

Exclusions

This Guarantee does not apply to defects resulting from: improper or inadequate installation, use, or maintenance; actions or modifications by unauthorized third parties or the end user; accidental or willful damage; or normal wear and tear.

Making a Claim

Claims must be made in Latin America or the Caribbean by contacting the Dell™ point of sale within the guarantee period. The end user must always supply proof of purchase, indicating name and address of the seller, date of purchase, model and serial number, name and address of the customer, and details of symptoms and configuration at the time of malfunction, including peripherals and software used. Otherwise, Dell™ may refuse the guarantee claim. Upon diagnosis of a warranted defect, Dell™ will make arrangements and pay for ground freight and insurance to and from Dell™'s repair/replacement center. The end user must ensure that the defective product is available for collection properly packed in original or equally protective packaging together with the details listed above and the return number provided to the end user by Dell™.

Limitation and Statutory Rights

Dell™ makes no other warranty, guarantee or like statement other than as explicitly stated above, and this Guarantee is given in place of all other guarantees whatsoever, to the fullest extent permitted by law. In the absence of applicable legislation, this Guarantee will be the end user's sole and exclusive remedy against Dell™ or any of its affiliates, and neither Dell™ nor any of its affiliates shall be liable for loss of profit or contracts, or any other indirect or consequential loss arising from negligence, breach of contract, or howsoever.

This Guarantee does not impair or affect mandatory statutory rights of the end user against and/or any rights resulting from other contracts concluded by the end user with Dell™ and/or any other seller.

Dell™ World Trade LP
One Dell™ Way, Round Rock, TX 78682, USA

Dell™ Computadores do Brasil Ltda (CNPJ No. 72.381.189/0001-10)/
Dell™ Commercial do Brasil Ltda (CNPJ No. 03 405 822/0001-40)
Avenida Industrial Belgraf, 400
92990-000 - Eldorado do Sul –RS - Brasil

Dell™ Computer de Chile Ltda
Coyancura 2283, Piso 3- Of.302,
Providencia, Santiago - Chile

Dell™ Computer de Colombia Corporation
Carrera 7 #115-33 Oficina 603
Bogota, Colombia

Dell™ Computer de Mexico SA de CV
Paseo de la Reforma 2620 - 11°Piso
Col. Lomas Altas
11950 México, D.F.

One-Year Dell™ Manufacturer End-User Guarantee (European Union, Norway, and Switzerland)

Guarantee

DELL™ Products, Raheen Industrial Estate, Limerick, Ireland (DELL™) warrants to the end-user in accordance with the following provisions that its branded hardware products, purchased by the end-user from a DELL™ company or an authorized DELL™ distributor, in the European Union, Norway or Switzerland, will be free from defects in materials, workmanship and design affecting normal use, for a period of one year as of the original purchase date. Products for which proper claims are made will, at DELL™'s option, be repaired or replaced at DELL™'s expense.

Exclusions

This Guarantee does not apply to defects resulting from: improper or inadequate installation, use or maintenance; actions or modifications by unauthorized third parties or the end-user; accidental or willful damage or normal wear and tear.

Making a claim

Claims must be made in the European Union, Norway or Switzerland, by contacting the point of sale or any DELL™ office within the guarantee period. The end-user must always supply proof of purchase, indicating name and address of the seller, date of purchase, model and serial number, name and address of the customer and details of symptoms and configuration at time of malfunction, including peripherals and software used. Otherwise, DELL™ may refuse the guarantee claim. Upon diagnosis of a warranted defect, DELL™ will make arrangements, and pay for ground freight and insurance to and from DELL™ repair/ replacement center. End-user must ensure defective product is available for collection properly packed in original or equally protective packaging together with details listed above and the return number provided to the end-user by DELL™.

Limitation and Statutory Rights

DELL™ makes no other warranty, guarantee or like statement other than as explicitly stated above and this Guarantee is given in place of all other guarantees whatsoever, to the fullest extent permitted by law. In the absence of applicable legislation, this Guarantee will be the end-user's sole and exclusive remedy against DELL™ or any of its affiliates, and neither DELL™ nor any of its affiliates shall be liable for loss of profit or contracts, or any other indirect or consequential loss arising from negligence, breach of contract, or howsoever.

This Guarantee does not impair or affect mandatory statutory rights of the end-user against and/or any rights resulting from other contracts concluded by the end-user with DELL™ and/or any other seller.

Safety Information



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:

- 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:
 - 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.
 - 230 volts (V)/50 hertz (Hz) in most of Europe, the Middle East, and the Far East.

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.

- Do not store or use the LCD monitor in locations that are exposed to heat, direct sunlight, or extreme cold.
- Avoid moving the LCD monitor between locations with large temperature differences.
- Do not subject the LCD monitor to severe vibration or high impact conditions. For example, do not place the LCD monitor inside a car trunk.
- Do not store or use the LCD monitor in locations exposed to high humidity or dusty environment.
- Do not allow water or other liquids to spill on or into the LCD monitor.
- 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.
- Never insert anything metallic into the monitor openings. Doing so may create the danger of electric shock.
- To avoid electric shock, never touch the inside of the monitor. Only a qualified technician should open the monitor case.
- Never use your monitor if the power cable has been damaged. Do not allow anything to rest on the power cable. Keep the power cable away from where people could trip over it.
- Be sure to grasp the plug, not the cable, when disconnecting the monitor from an electric socket.
- 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.

- Place your monitor in a location with low humidity and minimum dust. Avoid places similar to a damp basement or dusty hallway.
- 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.
 - 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.
 - Locate your monitor near an easily accessible electric outlet.
 - 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.
 - 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.
 - 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.
 - Unplug the monitor when it is going to be left unused for an extended period of time.
 - Unplug your monitor from the electric outlet before any service is performed.
 - Hg Lamp(s) inside this product contains mercury and must be recycled or disposed of according to local, state or federal laws. Or contact the electronic industries alliance: <http://www.eiae.org> for more information.

Safety Information: Card Reader

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

- Read and understand all instructions before using the Flash Memory Card Reader.
- Never disassemble or touch the inside of this product. Such actions could result in electrical shock, fire, and/or malfunction.
- Do not insert fingers or any objects inside into the product. Such Actions could cause injuries or result in electrical shock, fire, and/or malfunction.
- If the product produces noise or smoke, or if any substance is inside the product such as water, then turn the power off immediately and unplug the computer from the electrical outlet. Please contact an authorized customer support member, as there may be a risk of electrical shock, fire, and/or malfunction.
- Do not apply force when you insert the media into the product. This may cause the product to break or malfunction.

Contacting Dell™

To contact Dell™ electronically, you can access the following websites:

- www.dell.com
- support.dell.com (technical support)
- premiersupport.dell.com (technical support for educational, government, healthcare, and medium/large business customers, including Premier, Platinum, and Gold customers)

For specific web addresses for your country, find the appropriate country section in the table below.

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

When you need to contact Dell™, use the electronic addresses, telephone 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.

Country (City) International Access Code Country Code City Code	Department Name or Service Area, Website and E-Mail Address	Area Codes, Local Numbers, and Toll-Free Numbers

Anguilla	General Support	toll-free: 800-335-0031
Antigua and Barbuda	General Support	1-800-805-5924
Argentina (Buenos Aires) International Access Code: 00 Country Code: 54 City Code: 11	Website: www.dell.com.ar	
	E-mail: us_latin_services@dell.com	
	E-mail for desktop and portable computers: la-techsupport@dell.com	
	E-mail for servers and EMC: la_enterprise@dell.com	
	Customer Care	toll-free: 0-800-444-0730
	Tech Support	toll-free: 0-800-444-0733
	Tech Support Services	toll-free: 0-800-444-0724
	Sales	0-810-444-3355
Aruba	General Support	toll-free: 800-1578
Australia (Sydney) International Access Code: 0011 Country Code: 61 City Code: 2	E-mail (Australia): au_tech_support@dell.com	
	E-mail (New Zealand): nz_tech_support@dell.com	
	Home and Small Business	1-300-65-55-33
	Government and Business	toll-free: 1-800-633-559
	Preferred Accounts Division (PAD)	toll-free: 1-800-060-889
	For servers and storage	toll-free: 1-800-505-095
	For desktop and portable computers	toll-free: 1-800-733-314
	Customer Care	toll-free: 1-800-819-339
	Corporate Sales	toll-free: 1-800-808-385
	Transaction Sales	toll-free: 1-800-808-312
	Fax	toll-free: 1-800-818-341
Austria (Vienna) International Access Code: 900 Country Code: 43 City Code: 1	Website: support.euro.dell.com	
	E-mail: tech_support_central_europe@dell.com	
	Home/Small Business Sales	0820 240 530 00
	Home/Small Business Fax	0820 240 530 49
	Home/Small Business Customer Care	0820 240 530 14
	Preferred Accounts/Corporate Customer Care	0820 240 530 16
	Home/Small Business Technical Support	0820 240 530 14
	Preferred Accounts/Corporate Technical Support	0660 8779
	Switchboard	0820 240 530 00
Bahamas	General Support	toll-free: 1-866-278-6818
Barbados	General Support	1-800-534-3066
Belgium (Brussels) International Access Code: 00 Country Code: 32	Website: support.euro.dell.com	
	E-mail for French Speaking Customers: support.euro.dell.com/be/fr/emaildell/	
	Technical Support	02 481 92 88

City Code: 2	Technical Support Fax	02 481 92 95
	Customer Care	02 713 15 .65
	Corporate Sales	02 481 91 00
	Fax	02 481 92 99
	Switchboard	02 481 91 00
Bermuda	General Support	1-800-342-0671
Bolivia	General Support	toll-free: 800-10-0238
Brazil International Access Code: 00 Country Code: 55 City Code: 51	Website: www.dell.com/br	
	Customer Support, Technical Support	0800 90 3355
	Technical Support Fax	51 481 5470
	Customer Care Fax	51 481 5480
	Sales	0800 90 3390
British Virgin Islands	General Support	toll-free: 1-866-278-6820
Brunei Country Code: 673	Customer Technical Support (Penang, Malaysia)	604 633 4966
	Customer Service (Penang, Malaysia)	604 633 4949
	Transaction Sales (Penang, Malaysia)	604 633 4955
Canada (North York, Ontario) International Access Code: 011	Online Order Status: www.dell.ca/ostatus	
	AutoTech (automated technical support)	toll-free: 1-800-247-9362
	Customer Care (Home Sales/Small Business)	toll-free: 1-800-847-4096
	Customer Care (med./large business, government)	toll-free: 1-800-326-9463
	Technical Support (Home Sales/Small Business)	toll-free: 1-800-847-4096
	Technical Support (med./large bus., government)	toll-free: 1-800-387-5757
	Sales (Home Sales/Small Business)	toll-free: 1-800-387-5752
	Sales (med./large bus., government)	toll-free: 1-800-387-5755
	Spare Parts Sales & Extended Service Sales	1 866 440 3355
Cayman Islands	General Support	1-800-805-7541
Chile (Santiago) Country Code: 56 City Code: 2	Sales, Customer Support, and Technical Support	toll-free: 1230-020-4823
China (Xiamen) Country Code: 86 City Code: 592	Technical Support website: support.dell.com.cn	
	Technical Support E-mail: cn_support@dell.com	
	Technical Support Fax	818 1350
	Technical Support (Dimension™ and Inspiron™)	toll-free: 800 858 2969
	Technical Support (OptiPlex™, Latitude™, and Dell™ Precision™)	toll-free: 800 858 0950
	Technical Support (servers and storage)	toll-free: 800 858 0960
	Technical Support (projectors, PDAs, printers, switches, routers, and so on)	toll-free: 800 858 2920
	Customer Advocacy	toll-free: 800 858 2060

	Customer Advocacy 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
Colombia	General Support	980-9-15-3978
Costa Rica	General Support	0800-012-0435
Czech Republic (Prague) International Access Code: 00 Country Code: 420 City Code: 2	Website: support.euro.dell.com	
	E-mail: czech_dell@dell.com	
	Technical Support	02 2186 27 27
	Technical Support Fax	02 2186 27 28
	Customer Care	02 2186 27 11
	Customer Care Fax	02 2186 27 14
	Switchboard	02 2186 27 11
Denmark (Copenhagen) International Access Code: 00 Country Code: 45	Website: support.euro.dell.com	
	E-mail Support (portable computers): den_nbk_support@dell.com	
	E-mail Support (desktop computers): den_support@dell.com	
	E-mail Support (servers): Nordic_server_support@dell.com	
	Technical Support	7023 0182
	Customer Care (Relational)	7023 0184
	Home/Small Business Customer Care	3287 5505
	Switchboard (Relational)	3287 1200
	Switchboard Fax (Relational)	3287 1201
	Switchboard (Home/Small Business)	3287 5000
	Switchboard Fax (Home/Small Business)	3287 5001
Dominica	General Support	toll-free: 1-866-278-6821
Dominican Republic	General Support	1-800-148-0530
Ecuador	General Support	toll-free: 999-119
El Salvador	General Support	01-899-753-0777

Finland (Helsinki) International Access Code: 990 Country Code: 358 City Code: 9	Website: support.euro.dell.com	
	E-mail: fin_support@dell.com	
	E-mail Support (servers): Nordic_support@dell.com	
	Technical Support	09 253 313 60
	Technical Support Fax	09 253 313 81
	Relational Customer Care	09 253 313 38
	Home/Small Business Customer Care	09 693 791 94
	Fax	09 253 313 99
	Switchboard	09 253 313 00
France (Paris) (Montpellier) International Access Code: 00 Country Code: 33 City Codes: (1) (4)	Website: support.euro.dell.com	
	E-mail: support.euro.dell.com/fr/fr/emaildell/	
	Home and Small Business	
	Technical Support	0825 387 270
	Customer Care	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
	Corporate	
	Technical Support	0825 004 719
	Customer Care	0825 338 339
	Switchboard	01 55 94 71 00
	Sales	01 55 94 71 00
	Fax	01 55 94 71 01
Germany (Langen) International Access Code: 00 Country Code: 49 City Code: 6103	Website: support.euro.dell.com	
	E-mail: tech_support_central_europe@dell.com	
	Technical Support	06103 766-7200
	Home/Small Business Customer Care	0180-5-224400
	Global Segment Customer Care	06103 766-9570
	Preferred Accounts Customer Care	06103 766-9420
	Large Accounts Customer Care	06103 766-9560
	Public Accounts Customer Care	06103 766-9555
	Switchboard	06103 766-7000
Greece International Access Code: 00 Country Code: 30	Website: support.euro.dell.com	
	E-mail: support.euro.dell.com/gr/en/emaildell/	
	Technical Support	00800-44 14 95 18

	Gold Service Technical Support	00800-44 14 00 83
	Switchboard	2108129810
	Gold Service Switchboard	2108129811
	Sales	2108129800
	Fax	2108129812
Grenada	General Support	toll-free: 1-866-540-3355
Guatemala	General Support	1-800-999-0136
Guyana	General Support	toll-free: 1-877-270-4609
Hong Kong International Access Code: 001 Country Code: 852	Website: support.ap.dell.com	
	E-mail: apsupport@dell.com	
	Technical Support (Dimension™ and Inspiron™)	2969 3188
	Technical Support (OptiPlex™, Latitude™, and Dell™ Precision™)	2969 3191
	Technical Support (PowerApp™, PowerEdge™, PowerConnect™, and PowerVault™)	2969 3196
	Gold Queue EEC Hotline	2969 3187
	Customer Advocacy	3416 0910
	Large Corporate Accounts	3416 0907
	Global Customer Programs	3416 0908
	Medium Business Division	3416 0912
	Home and Small Business Division	2969 3155
India	Technical Support	1600 33 8045
	Sales	1600 33 8044
Ireland (Cherrywood) International Access Code: 16 Country Code: 353 City Code: 1	Website: support.euro.dell.com	
	E-mail: dell_direct_support@dell.com	
	Technical Support	1850 543 543
	U.K. Technical Support (dial within U.K. only)	0870 908 0800
	Home User Customer Care	01 204 4014
	Small Business Customer Care	01 204 4014
	U.K. Customer Care (dial within U.K. only)	0870 906 0010
	Corporate Customer Care	1850 200 982
	Corporate Customer Care (dial within U.K. only)	0870 907 4499
	Ireland Sales	01 204 4444
	U.K. Sales (dial within U.K. only)	0870 907 4000
	Fax/Sales Fax	01 204 0103
	Switchboard	01 204 4444
Italy (Milan) International Access Code: 00 Country Code: 39	Website: support.euro.dell.com	
	E-mail: support.euro.dell.com/it/it/emaildell/	
	Home and Small Business	

City Code: 02	Technical Support	02 577 826 90
	Customer Care	02 696 821 14
	Fax	02 696 821 13
	Switchboard	02 696 821 12
	Corporate	
	Technical Support	02 577 826 90
	Customer Care	02 577 825 55
	Fax	02 575 035 30
	Switchboard	02 577 821
Jamaica	General Support (dial from within Jamaica only)	1-800-682-3639
Japan (Kawasaki) International Access Code: 001 Country Code: 81 City Code: 44	Website: support.jp.dell.com	
	Technical Support (servers)	toll-free: 0120-198-498
	Technical Support outside of Japan (servers)	81-44-556-4162
	Technical Support (Dimension™ and Inspiron™)	toll-free: 0120-198-226
	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 (PDAs, projectors, printers, routers)	toll-free: 0120-981-690
	Technical Support outside of Japan (PDAs, projectors, printers, routers)	81-44-556-3468
	Faxbox Service	044-556-3490
	24-Hour Automated Order Service	044-556-3801
	Customer Care	044-556-4240
	Business Sales Division (up to 400 employees)	044-556-1465
	Preferred Accounts Division Sales (over 400 employees)	044-556-3433
	Large Corporate Accounts Sales (over 3500 employees)	044-556-3430
	Public Sales (government agencies, educational institutions, and medical institutions)	044-556-1469
	Global Segment Japan	044-556-3469
	Individual User	044-556-1760
	Switchboard	044-556-4300
Korea (Seoul) International Access Code: 001 Country Code: 82 City Code: 2	Technical Support	toll-free: 080-200-3800
	Sales	toll-free: 080-200-3600
	Customer Service (Seoul, Korea)	toll-free: 080-200-3800
	Customer Service (Penang, Malaysia)	604 633 4949
	Fax	2194-6202
	Switchboard	2194-6000
Latin America	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
Luxembourg International Access Code: 00 Country Code: 352	Website: support.euro.dell.com	
	E-mail: tech_be@dell.com	
	Technical Support (Brussels, Belgium)	3420808075
	Home/Small Business Sales (Brussels, Belgium)	toll-free: 080016884
	Corporate Sales (Brussels, Belgium)	02 481 91 00
	Customer Care (Brussels, Belgium)	02 481 91 19
	Fax (Brussels, Belgium)	02 481 92 99
	Switchboard (Brussels, Belgium)	02 481 91 00
Macao Country Code: 853	Technical Support	toll-free: 0800 582
	Customer Service (Penang, Malaysia)	604 633 4949
	Transaction Sales	toll-free: 0800 581
Malaysia (Penang) International Access Code: 00 Country Code: 60 City Code: 4	Technical Support (Dell™ Precision, OptiPlex, and Latitude)	toll-free: 1 800 88 0193
	Technical Support (Dimension and Inspiron)	toll-free: 1 800 88 1306
	Technical Support (PowerEdge and PowerVault)	toll-free: 1800 88 1386
	Customer Service	04 633 4949
	Transaction Sales	toll-free: 1 800 888 202
	Corporate Sales	toll-free: 1 800 888 213
Mexico International Access Code: 00 Country Code: 52	Customer Technical Support	001-877-384-8979 or 001-877-269-3383
	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 01-800-888-3355
Montserrat	General Support	toll-free: 1-866-278-6822
Netherlands Antilles	General Support	001-800-882-1519
Netherlands (Amsterdam) International Access Code: 00 Country Code: 31 City Code: 20	Website: support.euro.dell.com	
	Technical Support	020 674 45 00
	Technical Support Fax	020 674 47 66
	Home/Small Business Customer Care	020 674 42 00
	Relational Customer Care	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
New Zealand International Access Code: 00 Country Code: 64	E-mail (New Zealand): nz_tech_support@dell.com	
	E-mail (Australia): au_tech_support@dell.com	
	Technical Support (for desktop and portable computers)	0800 443 563
	Technical Support (for servers and storage)	0800 505 098
	Home and Small Business	0800 446 255
	Government and Business	0800 444 617
	Sales	0800 441 567
	Fax	0800 441 566
Nicaragua	General Support	001-800-220-1006
Norway (Lysaker) International Access Code: 00 Country Code: 47	Website: support.euro.dell.com	
	E-mail Support (portable computers): nor_nbk_support@dell.com	
	E-mail Support (desktop computers): nor_support@dell.com	
	E-mail Support (servers): nordic_server_support@dell.com	
	Technical Support	671 16882
	Relational Customer Care	671 17514
	Home/Small Business Customer Care	23162298
	Switchboard	671 16800
	Fax Switchboard	671 16865
Panama	General Support	001-800-507-0962
Peru	General Support	0800-50-669
Poland (Warsaw) International Access Code: 011 Country Code: 48 City Code: 22	Website: support.euro.dell.com	
	E-mail: pl_support_tech@dell.com	
	Customer Service Phone	57 95 700
	Customer Care	57 95 999
	Sales	57 95 999
	Customer Service Fax	57 95 806
	Reception Desk Fax	57 95 998
	Switchboard	57 95 999
Portugal	Website: support.euro.dell.com	

International Access Code: 00 Country Code: 351	E-mail: support.euro.dell.com/pt/en/emaildell/	
	Technical Support	707200149
	Customer Care	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
Puerto Rico	General Support	1-800-805-7545
St. Kitts and Nevis	General Support	toll-free: 1-877-441-4731
St. Lucia	General Support	1-800-882-1521
St. Vincent and the Grenadines	General Support	toll-free: 1-877-270-4609
Singapore (Singapore) International Access Code: 005 Country Code: 65	Technical Support (Dimension and Inspiron)	toll-free: 1800 394 7430
	Technical Support (Optiplex, Latitude, and Precision)	toll-free: 1800 394 7488
	Technical Support (PowerEdge and PowerVault)	toll-free: 1800 394 7478
	Customer Service (Penang, Malaysia)	604 633 4949
	Transaction Sales	toll-free: 800 6011 054
	Corporate Sales	toll-free: 800 6011 053
South Africa (Johannesburg) International Access Code: 09/091 Country Code: 27 City Code: 11	Website: support.euro.dell.com	
	E-mail: dell_za_support@dell.com	
	Gold Queue	011 709 7713
	Technical Support	011 709 7710
	Customer Care	011 709 7707
	Sales	011 709 7700
	Fax	011 706 0495
	Switchboard	011 709 7700
Southeast Asian and Pacific Countries	Customer Technical Support, Customer Service, and Sales (Penang, Malaysia)	604 633 4810
Spain (Madrid) International Access Code: 00 Country Code: 34 City Code: 91	Website: support.euro.dell.com	
	E-mail: support.euro.dell.com/es/es/emaildell/	
	Home and Small Business	
	Technical Support	902 100 130
	Customer Care	902 118 540
	Sales	902 118 541
	Switchboard	902 118 541
	Fax	902 118 539
	Corporate	
	Technical Support	902 100 130
	Customer Care	902 115 236
	Switchboard	91 722 92 00

	Fax	91 722 95 83
Sweden (Upplands Vasby) International Access Code: 00 Country Code: 46 City Code: 8	Website: support.euro.dell.com	
	E-mail: swe_support@dell.com	
	E-mail Support for Latitude and Inspiron: Swe-nbk_kats@dell.com	
	E-mail Support for OptiPlex: Swe_kats@dell.com	
	E-mail Support for Servers: Nordic_server_support@dell.com	
	Technical Support	08 590 05 199
	Relational Customer Care	08 590 05 642
	Home/Small Business Customer Care	08 587 70 527
	Employee Purchase Program (EPP) Support	20 140 14 44
	Technical Support Fax	08 590 05 594
	Sales	08 590 05 185
Switzerland (Geneva) International Access Code: 00 Country Code: 41 City Code: 22	Website: support.euro.dell.com	
	E-mail: Tech_support_central_Europe@dell.com	
	E-mail for French-speaking HSB and Corporate Customers: support.euro.dell.com/ch/fr/emaildell/	
	Technical Support (Home and Small Business)	0844 811 411
	Technical Support (Corporate)	0844 822 844
	Customer Care (Home and Small Business)	0848 802 202
	Customer Care (Corporate)	0848 821 721
	Fax	022 799 01 90
	Switchboard	022 799 01 01
Taiwan International Access Code: 002 Country Code: 886	Technical Support (portable and desktop computers)	toll-free: 00801 86 1011
	Technical Support (servers and storage)	toll-free: 00801 60 1256
	Corporate Sales	toll-free: 00801 651 227
Thailand International Access Code: 001 Country Code: 66	Technical Support (Optiplex, Latitude, and Precision)	toll-free: 1800 0060 07
	Technical Support (PowerEdge and PowerVault)	toll-free: 1800 0600 09
	Customer Service (Penang, Malaysia)	604 633 4949
	Sales	toll-free: 0880 060 09
Trinidad/Tobago	General Support	1-800-805-8035
Turks and Caicos Islands	General Support	toll-free: 1-866-540-3355
U.K. (Bracknell) International Access Code: 00 Country Code: 44 City Code: 1344	Website: support.euro.dell.com	
	Customer Care website: support.euro.dell.com/uk/en/ECare/Form/Home.asp	
	E-mail: dell_direct_support@dell.com	
	Technical Support (Corporate/Preferred Accounts/PAD [1000+ employees])	0870 908 0500
	Technical Support (direct/PAD and general)	0870 908 0800

	Global Accounts Customer Care	01344 373 186
	Home and Small Business Customer Care	0870 906 0010
	Corporate Customer Care	01344 373 185
	Preferred Accounts (500–5000 employees) Customer Care	0870 906 0010
	Central Government Customer Care	01344 373 193
	Local Government & Education Customer Care	01344 373 199
	Health Customer Care	01344 373 194
	Home and Small Business Sales	0870 907 4000
	Corporate/Public Sector Sales	01344 860 456
	Home and Small Business Fax	0870 907 4006
Uruguay	General Support	toll-free: 000-413-598-2521
U.S.A. (Austin, Texas) International Access Code: 011 Country Code: 1	Automated Order-Status Service	toll-free: 1-800-433-9014
	AutoTech (portable and desktop computers)	toll-free: 1-800-247-9362
	Consumer (Home and Home Office)	
	Technical Support	toll-free: 1-800-624-9896
	Customer Service	toll-free: 1-800-624-9897
	Dell™Net™ Service and Support	toll-free: 1-877-Dellnet (1-877-335-5638)
	Employee Purchase Program (EPP) Customers	toll-free: 1-800-695-8133
	Financial Services website: www.dellfinancialservices.com	
	Financial Services (lease/loans)	toll-free: 1-877-577-3355
	Financial Services (Dell™ Preferred Accounts [DPA])	toll-free: 1-800-283-2210
	Business	
	Customer Service and Technical Support	toll-free: 1-800-822-8965
	Employee Purchase Program (EPP) Customers	toll-free: 1-800-695-8133
	Printers and Projectors Technical Support	toll-free: 1-877-459-7298
	Public (government, education, and healthcare)	
	Customer Service and Technical Support	toll-free: 1-800-456-3355
	Employee Purchase Program (EPP) Customers	toll-free: 1-800-234-1490
	Dell™ Sales	toll-free: 1-800-289-3355 or toll-free: 1-800-879-3355
	Dell™ Outlet Store (Dell™ refurbished computers)	toll-free: 1-888-798-7561
	Software and Peripherals Sales	toll-free: 1-800-671-3355
	Spare Parts Sales	toll-free: 1-800-357-3355
	Extended Service and Warranty Sales	toll-free: 1-800-247-4618
	Fax	toll-free: 1-800-727-8320
	Dell™ Services for the Deaf, Hard-of-Hearing, or Speech-Impaired	toll-free: 1-877-DELLTTY

		(1-877-335-5889)
U.S. Virgin Islands	General Support	1-877-673-3355
Venezuela	General Support	8001-3605

Regulatory Notices

TCO'03 (DualTone Gray 2405FPW)



If the display you have just purchased carries the TCO'03 display label:

This means that your display is designed, manufactured and tested according to some of the strictest quality and environmental requirements in the world. This makes for a high performance product, designed with the user in focus that also minimizes the impact on our natural environment.

Some of the features of the TCO'03 Display requirements:

Ergonomics

- Good visual ergonomics and image quality in order to improve the working environment for the user and to reduce sight and strain problems. Important parameters are luminance, contrast, resolution, reflectance, colour rendition and image stability.

Energy

- Energy-saving mode after a certain time - beneficial both for the user and the environment
- Electrical safety

Emissions

- Electromagnetic fields
- Noise emissions

Ecology

- The product must be prepared for recycling and the manufacturer must have a certified environmental management system such as EMAS or ISO 14000
- Restrictions on
 - chlorinated and brominated flame retardants and polymers
 - heavy metals such as cadmium, mercury and lead.

The requirements included in this label have been developed by TCO Development in cooperation with scientists, experts, users as well as manufacturers all over the world. Since the end of the 1980s TCO has been involved in influencing the development of IT equipment in a more user-friendly direction. Our labelling system started with displays in 1992 and is now requested by users and IT-manufacturers all over the world.

For more information, please visit
www.tcodevelopment.com

TCO'99 (Midnight Gray 2405FPW)



If the display you have just purchased carries the TCO'99 display label:

You have just purchased a TCO'99 approved product! Your choice has provided you with a product developed for professional use. Your purchase has also contributed to reducing the burden on the environment and also to the further development of environmentally adapted electronics products.

Why do we have environmentally labeled computers?

In many countries, environmental labeling has become an established method for encouraging the adaptation of goods and services to the environment. The main problem, as far as computers and other electronics equipment are concerned, is that environmentally harmful substances are used both in the products and during their manufacture. Since it is not so far possible to satisfactorily recycle the majority of electronics equipment, most of these potentially damaging substances sooner or later enter nature.

There are also other characteristics of a computer, such as energy consumption levels, that are important from the viewpoints of both the work (internal) and natural (external) environments. Since all methods of electricity generation have a negative effect on the environment (e.g. acidic and climate-influencing emissions, radioactive waste), it is vital to save energy. Electronics equipment in offices is often left running continuously and thereby consumes a lot of energy.

What does labeling involve?

This product meets the requirements for the TCO'99 scheme which provides for international and environmental labeling of personal computers. The labeling scheme was developed as a joint effort by the TCO (The Swedish Confederation of Professional Employees), Svenska Naturskyddsforeningen (The Swedish Society for Nature Conservation) and Statens Energimyndighet (The Swedish National Energy Administration).

Approval requirements cover a wide range of issues: environment, ergonomics, usability, emission of electric and magnetic fields, energy consumption and electrical and fire safety.

The environmental demands impose restrictions on the presence and use of heavy metals, brominated and chlorinated flame retardants, CFCs (freons) and chlorinated solvents, among other things. The product must be prepared for recycling and the manufacturer is obliged to have an environmental policy which must be adhered to in each country where the company implements its operational policy.

The energy requirements include a demand that the computer and/or display, after a certain period of inactivity, shall reduce its power consumption to a lower level in one or more stages. The length of time to reactivate the computer shall be reasonable for the user.

Labeled products must meet strict environmental demands, for example, in respect of the reduction of electric and magnetic fields, physical and visual ergonomics and good usability.

Below you will find a brief summary of the environmental requirements met by this product. The complete environmental criteria document may be ordered from:

TCO Development

SE-114 94 Stockholm, Sweden

Fax: +46 8 782 92 07

Email (Internet): development@tco.se

Current information regarding TCO'99 approved and labeled products may also be obtained via the Internet, using the address: <http://www.tco-info.com/>

Environmental requirements

Flame retardants

Flame retardants are present in printed circuit boards, cables, wires, casings and housings. Their purpose is to prevent, or at least to delay the spread of fire. Up to 30% of the plastic in a computer casing can consist of flame retardant substances. Most flame retardants contain bromine or chloride, and those flame retardants are chemically related to another group of environmental toxins, PCBs. Both the flame retardants containing bromine or chloride and the PCBs are suspected of giving rise to severe health effects, including reproductive damage in fish-eating birds and mammals, due to the bio-accumulative* processes. Flame retardants have been found in human blood and researchers fear that disturbances in foetus development may occur.

The relevant TCO'99 demand requires that plastic components weighing more than 25 grams must not contain flame retardants with organically bound bromine or chlorine. Flame retardants are allowed in the printed circuit boards since no substitutes are available.

Cadmium**

Cadmium is present in rechargeable batteries and in the colour-generating layers of certain computer displays. Cadmium damages the nervous system and is toxic in high doses. The relevant TCO'99 requirement states that batteries, the colour-generating layers of display screens and the electrical or electronics components must not contain any cadmium.

Mercury**

Mercury is sometimes found in batteries, relays and switches. It damages the nervous system and is toxic in high doses. The relevant TCO'99 requirement states that batteries may not contain any mercury. It also demands that mercury is not present in any of the electrical or electronics components associated with the labelled unit. There is however one exception. Mercury is, for the time being, permitted in the back light system of flat panel monitors as there today is no commercially available alternative. TCO aims on removing this exception when a mercury free alternative is available.

CFCs (freons)

The relevant TCO'99 requirement states that neither CFCs nor HCFCs may be used during the manufacture and assembly of the product. CFCs (freons) are sometimes used for washing printed circuit boards. CFCs break down ozone and thereby damage the ozone layer in the stratosphere, causing increased reception on earth of ultraviolet light with e.g. increased risks of skin cancer (malignant melanoma) as a consequence.

Lead**

Lead can be found in picture tubes, display screens, solders and capacitors. Lead damages the nervous system and in higher doses, causes lead poisoning. The relevant TCO'99 requirement permits the inclusion of lead since no replacement has yet been developed.

* *Bio-accumulative is defined as substances which accumulate within living organisms*

** *Lead, Cadmium and Mercury are heavy metals which are Bio-accumulative.*

Energy Efficiency



The proper operation of the function requires a computer with VESA® DPMS power management capabilities. When used with a computer equipped with VESA® DPMS, the monitor is **ENERGY STAR®**-compliant. As an **ENERGY STAR®** Partner, Dell™ Computer Corporation has determined that this product meets the **ENERGY STAR®** guidelines for energy efficiency.

Federal Communications Commission (FCC) Notice (U.S. Only)

⚠ CAUTION: 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. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

- This device may not cause harmful interference.
- This device must accept any interference received including interference that may cause undesired operation.

Instructions to Users: This equipment complies with the requirements of FCC (Federal Communication Commission) equipment provided that following conditions are met.

1. Power cable: Shielded power cable should be used.
2. Video inputs: The input signal amplitude must not exceed the specified level.



CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Declaration of Conformity

According to 47 CFR, Part 15 of the FCC Rules

*** For the following named product :**

COLOR MONITOR
(Category Name)

2405FPW / DELL™ - BenQ
(Model No / Brand Name) (Basic Model)

*** Manufactured at :**

BenQ Corporation

We hereby declare that 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, and
2. This device must accept any interference received, including interference that may cause undesired operation.

*** FCC Rules :**

Tested to comply with FCC part 15, class B

*** Test site at :**

Compliance Engineering Services, Sunnyvale, CA, USA

*** Responsible Party for Product Compliance :**

BenQ Corporation

157, Shan-Ying Road, Gueishan, Taoyuan 333

Tel +886-3-3598800

Fax +886-3-3599000

*** Manufacturer Information :**

BenQ Corporation

157, Shan-Ying Road, Gueishan, Taoyuan
333

Products Regulatory
Manager

BenQ Co., Ltd.

New District 169 Zhujiang Rd Suzhou
Jiangsu, China

Ray Huang

(place and date of issue)

(name and signature of authorized person)

EU Declaration of Conformity (LVD, EMC)

For the following product:

COLOR MONITOR

(category name)

2405FPW

(model name)

Manufactured at :

BenQ Co., Ltd.

New District 169 Zhujiang Rd Suzhou Jiangsu, China

(factory name,address)

We hereby declare, that all major safety requirements, concerning to CE-Mark Directive (93/68/EEC) and Low Voltage Directive (73/23/EEC), Electromagnetic Compatibility Directives (89/336/EEC, 92/31/EEC) are fulfilled, as laid out in the guidelines set down by the member states of the EEC Commission. This declaration is valid for all samples that are part of this declaration, which are manufactured according to the production charts appendix. The standards relevant for the evaluation of electrical safety & EMC requirements are as follows :

LVD : EN 60950:2000

EMC : EN 55024:1998, EN55022:1998, EN61000-3-2, 3:2000, EN61000-3-3 : 1995 A1(2001)

1. Certificate of conformity / Test report issued by :

LVD : NEMKO, TUV

EMC : Audix Corporation

2. Technical documentation kept at :

BenQ Corporation

**which will be made available upon request.
(Manufacturer)**

BenQ Corporation

157, Shan-Ying Road, Gueishan, Taoyuan 333

BenQ Co., Ltd.

New District 169 Zhujiang Rd Suzhou Jiangsu, China

(place and date of issue)

Ray Huang/Manager



(name and signature of authorized person)

Canadian Regulatory Information (Canada Only)

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Note that Canadian Department of Communications (DOC) regulations provide, that changes or modifications not expressly approved by Dell™ Computer Corporation could void your authority to operate this equipment.

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigencesdu Règlement sur le matériel brouilleur du Canada.

EN 55022 Compliance (Czech Republic Only)

This device belongs to category B devices as described in EN 55022, unless it is specifically stated that it is a category A device on the specification label. The following applies to devices in category A of EN 55022 (radius of protection up to 30 meters). The user of the device is obliged to take all steps necessary to remove sources of interference of telecommunication or other devices.

Pokud není na typovém štítku počítače uvedeno, že spadá do třídy A podle EN 55022, spadá automaticky do třídy B podle EN 55022. Pro zařízení zařazená do třídy A (chranné pásmo 30m) podle EN 55022 platí následující. Dojde-li k rušení telekomunikačních nebo jiných zařízení, je uživatel povinen provést taková opatření, aby rušení odstranil.

VCCI Class B Notice (Japan Only)

This equipment complies with the limits for a Class B digital device (devices used in or adjacent to a residential environment) and conforms to the standards for information technology equipment that are set by the Voluntary Control Council for Interference for preventing radio frequency interference in residential areas.



Class B ITE

この装置は、情報処理装置等電波障害自主規制協議会 (VCCI) の基準に基づくクラス B 情報技術装置です。この装置は家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをしてください。

MIC Notice (Republic of Korea Only)

Class B Device



1. 기기의 명칭(모델명):
2. 인증번호:(B)
3. 인증받은 자의 상호:
4. 제조년월일:
5. 제조자/제조국가:

Please note that this device has been approved for non-business purposes and may be used in any environment, including residential areas.

Polish Center for Testing and Certification Notice

The equipment should draw power from a socket with an attached protection circuit (a three-prong socket). All equipment that works together (computer, monitor, printer, and so on) should have the same power supply source.

The phasing conductor of the room's electrical installation should have a reserve short-circuit protection device in the form of a fuse with a nominal value no larger than 16 amperes (A).

To completely switch off the equipment, the power supply cable must be removed from the power supply socket, which should be located near the equipment and easily accessible.

A protection mark "B" confirms that the equipment is in compliance with the protection usage requirements of standards PN-93/T-42107 and PN-89/E-06251.

Wymagania Polskiego Centrum Badań i Certyfikacji

Urządzenie powinno być zasilane z gniazda z przyłączonym obwodem ochronnym (gniazdo z kolkiem).

Współpracujące ze sobą urządzenia (komputer, monitor, drukarka) powinny być zasilane z tego samego źródła.

Instalacja elektryczna pomieszczenia powinna zawierać w przewodzie fazowym rezerwową ochronę przed zwarciami, w postaci bezpiecznika o wartości znamionowej nie większej niż 16A (amperów).

W celu całkowitego wyłączenia urządzenia z sieci zasilania, należy wyjąć wtyczkę kabla zasilającego z gniazdka, które powinno znajdować się w pobliżu urządzenia i być łatwo dostępne.

Znak bezpieczeństwa "B" potwierdza zgodność urządzenia z wymaganiami bezpieczeństwa użytkowania zawartymi w PN-93/T-42107 i PN-89/E-06251.

Pozostałe instrukcje bezpieczeństwa

- Nie należy używać wtyczek adapterowych lub usuwać kolka obwodu ochronnego z wtyczki. Jeżeli konieczne jest użycie przedłużacza to należy użyć przedłużacza 3-żyłowego z prawidłowo połączonym przewodem ochronnym.
- System komputerowy należy zabezpieczyć przed nagłymi, chwilowymi wzrostami lub spadkami napięcia, używając eliminatora przepięć, urządzenia dopasowującego lub bezzakłóceńowego źródła zasilania.
- Należy upewnić się, aby nic nie leżało na kablach systemu komputerowego, oraz aby kable nie były umieszczone w miejscu, gdzie można byłoby na nie nadeptywać lub potykać się o nie.
- Nie należy rozlewać napojów ani innych płynów na system komputerowy.
- Nie należy wpychać żadnych przedmiotów do otworów systemu komputerowego, gdyż może to spowodować pożar lub porażenie prądem, poprzez zwarcie elementów wewnętrznych.
- System komputerowy powinien znajdować się z dala od grzejników i źródeł ciepła. Ponadto, nie należy blokować otworów wentylacyjnych. Należy unikać kładzenia luźnych papierów pod komputer oraz umieszczania komputera w ciasnym miejscu bez możliwości cyrkulacji powietrza wokół niego.

NOM Information (Mexico Only)

The following information is provided on the device(s) described in this document in compliance with the requirements of the official Mexican standards (NOM):

Exporter:	Dell™ Computer Corporation One Dell™ Way Round Rock, TX 78682
Importer:	Dell™ Computer de México, S.A. de C.V. Rio Lerma No. 302 - 4º Piso Col. Cuauhtemoc 16500 México, D.F.
Ship to:	Dell™ Computer de México, S.A. de C.V. al Cuidado de Kuehne & Nagel de México S. de R.L., Avenida Soles No. 55 Col. Peñon de los Baños, 15520 México, D.F.
Supply voltage:	100-240V~
Frequency:	50/60 Hz

Current consumption: 2.0 A

Información para NOM (únicamente para México)

La información siguiente se proporciona en el dispositivo o en los dispositivos descritos en este documento, en cumplimiento con los requisitos de la Norma Oficial Mexicana (NOM):

Exporter:	Dell™ Computer Corporation One Dell™ Way Round Rock, TX 78682
Importador:	Dell™ Computer de México, S.A. de C.V. Rio Lerma No. 302 - 4º Piso Col. Cuauhtemoc 16500 México, D.F.
Embarcar a:	Dell™ Computer de México, S.A. de C.V. al Cuidado de Kuehne & Nagel de México S. de R.L., Avenida Soles No. 55 Col. Peñon de los Baños, 15520 México, D.F.
Tensión alimentación:	100-240V~
Frecuencia:	50/60 Hz
Consumo de corriente:	2,0 A

BSMI Notice (Taiwan Only)

警告使用者：這是乙類的資訊產品，在居住的環境中使用時，可能會造成無線電干擾，在這種情況下，使用者會被要求採取某些適當的對策。

Ergonomics Notice (Germany Only)

Under the requirements of German ergonomics standard EK 1/59-98, EK 1/60-98, graphics or characters:

1. Blue graphics or characters in dark background are not recommended. (This combination may increase eye fatigue due to poor visibility caused by low contrast.)
2. Graphics controller and monitor are recommended to be used in the following conditions:
 - Vertical frequency : 60 Hz or higher.
 - Display mode : Dark characters in bright background.

Ergonomie Hinweis (nur Deutschland)

Um den Anforderungen der deutschen Ergonomie-Norm EK 1/59-98, EK 1/60-98 zu entsprechen.

1. Wird empfohlen, die Grundfarbe Blau nicht auf dunklem Hintergrund zu verwenden (schlechte Erkennbarkeit. Augenbelastung bei zu geringem Zeichenkontrast).
2. Wird folgende Einstellung des Grafik-Controllers und Monitors empfohlen.
 - Vertikalfrequenz : 60 Hz oder höher.
 - Ohne Zellensprung.

Regulatory Listing

Safety Certifications:

- UL 60950

- NOM
- CE Mark–EN60950
- IEC 60950
- CCC
- TUV-GS
- NEMKO
- GOST
- PSB
- TUV–S
- SASO

EMC Certifications:

- FCC Part 15 Class B
- CE Mark–EN55022:1998, EN55024:1998, EN61000-3-2:2000, EN61000-3-3:1995 A1(2001)
- VCCI Class B ITE
- MIC
- BSMI
- ICES–003
- C–Tick

Ergonomics:

- ENERGY STAR®
- TUV Ergo
- TCO'03/TCO'99


Recycling information

Dell™ recommends that customers dispose of their used computer hardware, including monitors, in an environmentally sound manner. Potential methods include reuse of parts or whole products and recycling of product, components, and/or materials. For more information, please visit www.dell.com/environment.

Your Monitor Set-up Guide

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

[Setup Guide](#) (.pdf)

 **NOTES:** PDF files require Adobe™ Acrobat Reader, which can be downloaded from the Adobe website at www.adobe.com. To view a PDF file, launch Acrobat Reader. Then click **File® Open** and select the PDF file.

[Back to Contents Page](#)

Dell™ 2405FPW Flat Panel Monitor

[🔗 User Guide](#)

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

Notes, Notices, and Cautions

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type. These blocks are notes, notices, and cautions, and they are used as follows:



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 the 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 caution is mandated by regulatory authority.

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April 2005 Rev. A01

Setting Up Your Monitor

Dell™ 2405FPW Flat Panel Monitor

If you have a Dell™ 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:
 - **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.**
 - **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 Dell™ to inquire about a Graphics Adapter that supports these resolutions.

Setting Up Your Monitor

Dell™ 2405FPW Flat Panel Monitor

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

1. Go to <http://support.dell.com>, enter your service tag, and download the latest driver for your graphics card.
2. After installing the drivers for your Graphics Adapter, attempt to set the resolution to **1920x1200** again.



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

Setting Up Your Monitor

Dell™ 2405FPW Flat Panel Monitor

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

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



Setting Up Your Dell™ 2405FPW

Setting Up Your Dell™ 2405FPW | Configuration de votre Dell™ 2405FPW | Configuración de Dell™ 2405FPW | Configurando seu Dell™ 2405FPW

Ihren Dell™ 2405FPW einrichten | Impostazione del monitor Dell™ 2405FPW | Przygotowanie monitora Dell™ 2405FPW

設定 Dell™ 2405FPW | 设置 Dell™ 2405FPW | Dell™ 2405FPW を設定する | Dell™ 2405FPW 설치 | การติดตั้ง Dell™ 2405FPW



1

Attach the Display until it locks in place.
Rattacher l'écran jusqu'à ce qu'il s'encliquète.
Monte la pantalla hasta que quede fija en su posición.
Fixe a tela, travando-a no local correto.
Bringen Sie den Bildschirm an, bis er einrastet.
Posizionare il display finché non scatta in posizione.
Wsun monitor aż do chwili, kiedy zostanie zablokowany w odpowiednim położeniu.
連接顯示器直至將其固定到位。
將安裝顯示器，直至固定到位。
ディスプレイが所定の位置にロックされるように取り付ける。
스탠드에 모니터 화면을 부착하십시오.
เชื่อมต่อจอภาพจนกระทั่งล็อกเข้าที่。

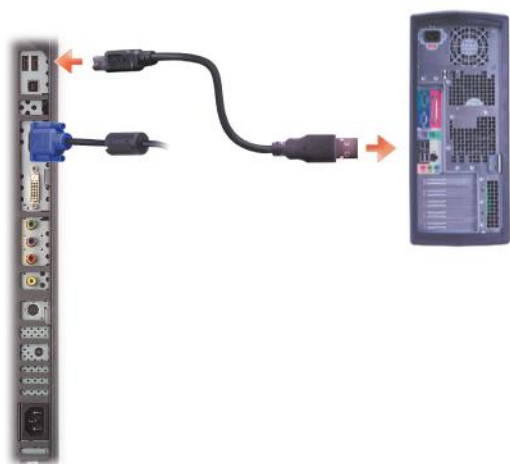
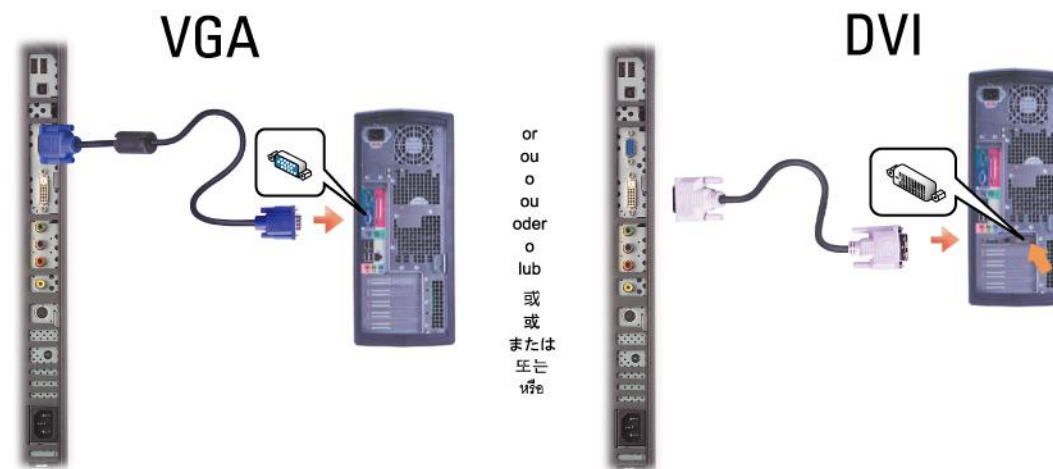


2

Extend the stand to the maximum extendable position then rotate the Display for easy connection.
Agrandissez le support à la position extensible maximale, puis faites pivoter l'écran pour une connexion facile.
Extienda la base hasta la posición máxima y gire la pantalla para facilitar la conexión.
Estenda a base até a posição máxima e gire o monitor para facilitar a conexão.
Ziehen Sie den Ständer in die maximal erweiterbare Position und drehen Sie dann die Anzeige, um sie einfach anschließen zu können.
Estendere il supporto fino alla posizione di massima estensione e poi ruotare il display per facilitare il collegamento.
Ustaw podstawę w położeniu maksymalnie rozciągniętym, a następnie obróć monitor dla ułatwienia połączenia.
將底座垂直伸展至最大高度，然後旋轉顯示器以便連接。
將底座垂直伸展至最大高度，然後旋轉顯示器以便連接。
スタンドを限界まで引き伸ばし、ディスプレイを回転させると簡単に接続できます。
스탠드를 확장 가능한 위치까지 최대한 확장한 다음 디스플레이를 연결하기 쉽도록 회전합니다.
ยึดขาตั้งออกไปจนถึงตำแหน่งที่ยืดได้มากที่สุดจากนั้นหมุนจอแสดงผลเพื่อให้เชื่อมต่อได้ง่าย。

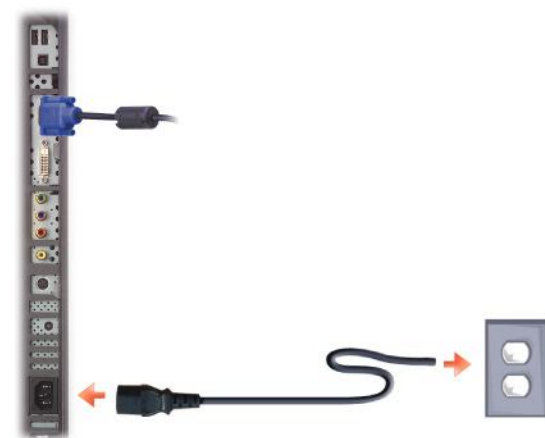
3

Connect either the blue video cable or white DVI cable to the computer. Do not use both cables on the same computer.
Connectez le câble vidéo bleu ou le câble DVI blanc à l'ordinateur. Ne branchez pas les deux câbles sur un seul ordinateur.
Conecte el cable de vídeo azul o el cable DVI blanco al ordenador. No utilice ambos cables en el mismo ordenador.
Conecte o cabo de vídeo azul ou o cabo DVI branco ao computador. Não use ambos os cabos no mesmo computador.
Verbinden Sie entweder das blaue Videokabel oder das weiße DVI-Kabel mit dem Computer. Verwenden Sie nicht beide Kabel am selben Computer.
Collegare il cavo video blu o il cavo DVI bianco al computer. Non utilizzare entrambi i cavi sullo stesso computer.
Podłącz monitor do komputera za pomocą niebieskiego kabla video lub białego kabla DVI. Nie używaj obu kabli podłączając monitor do tego samego komputera.
將藍色的視訊線或白色的 DVI 線連接到電腦。請勿在同一台電腦上使用兩條線。
將藍色的視訊線或白色的 DVI 電纜連接至計算機。請勿在同一台計算機上使用這兩根電纜。
青いビデオケーブルまたは白い DVI ケーブルのどちらかをコンピュータに接続します。同じコンピュータで両方のケーブルを使用しないでください。
파란색 비디오 케이블이나 흰색 DVI 케이블을 컴퓨터에 연결하십시오. 같은 컴퓨터에 두 케이블을 사용해서는 안 됩니다.
ต่อสายวิดีโอสีน้ำเงินหรือสาย DVI สีขาวเข้ากับคอมพิวเตอร์ อย่าใช้สายทั้งสองเส้นกับคอมพิวเตอร์เครื่องเดียวกัน。



4

Connect the USB cable to the computer.
Connectez le câble USB à l'ordinateur.
Conecte el cable USB al ordenador.
Conecte o cabo USB ao computador.
Verbinden Sie das USB-Kabel mit dem Computer.
Collegare il cavo USB al computer.
Podłącz kabel USB do komputera.
將 USB 線連接到電腦。
將 USB 電纜連接至計算機。
USB ケーブルをコンピュータに接続します。
USB 케이블을 컴퓨터에 연결하십시오.
ต่อสาย USB เข้ากับคอมพิวเตอร์。



5

Connect the power cable.
Connecter le cordon d'alimentation.
Conecte el cable de corriente.
Conecte o cabo de alimentação.
Schließen Sie das Netzkabel an.
Collegare il cavo di alimentazione.
Podłącz kabel zasilający.
連接電源線。
連接電源線。
電源コードを接続する。
전원 케이블을 연결하십시오.
เชื่อมต่อสายไฟ。

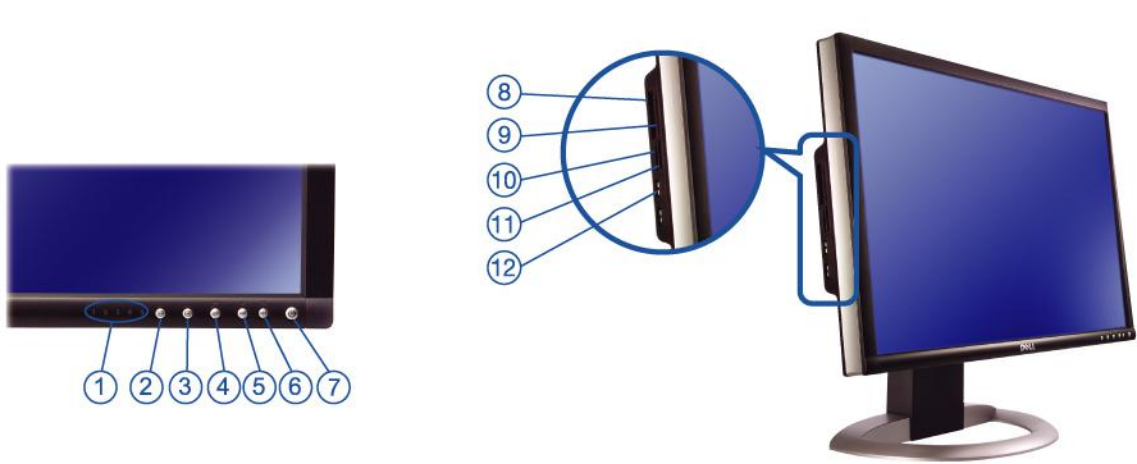
6

Rotate the display back and turn on the monitor.
Faites pivoter l'affichage vers l'arrière et mettez le moniteur sous tension.
Gire la pantalla hacia atrás y enciende el monitor.
Gire a tela para trás e ligue o monitor.
Drehen Sie die Anzeige zurück und schalten Sie den Monitor ein.
Ruotare all'indietro il display e accendere il monitor.
Obróć wyświetlacz do pierwotnej pozycji i włącz monitor.
將顯示器轉回原位，然後開啓顯示器。
將顯示器旋轉回原來位置並打開顯示器。
ディスプレイを後方に回転させて、モニターの電源を入れます。
디스플레이를 다시 원위치로 돌리고 모니터를 켜십시오.
หมุนจอแสดงผลไปด้านหลัง และเปิดจอภาพ。

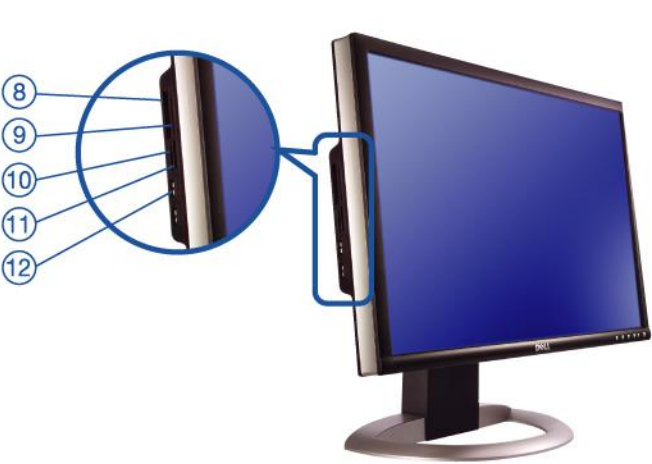
7

If nothing appears on the screen, press the input selection button.
Si rien n'apparaît à l'écran, appuyez sur le bouton sélection d'entrée.
Si no aparece nada, pulse el botón selección de entrada.
Se nada aparecer na tela, pressione o botão seleção de entrada.
Falls auf dem Bildschirm nichts zu sehen ist, drücken Sie auf die Taste Eingangs Auswahl.
Se sulla schermata non viene visualizzato nulla, premere il tasto Selezione dell'ingresso.
Jeśli na ekranie nic nie widać, wcisnąć przycisk Selektor Wejść.
如果螢幕上沒有出現任何東西，請按下「輸入選擇」按鈕。
如果螢幕上沒有顯示任何內容，請按「輸入選擇」按鈕。
スクリーンが更新されない場合は、入力選択ボタンを押してください。
화면에 아무것도 표시되지 않으면 input selection(입력 선택) 버튼을 누르십시오.
ถ้าไม่มีอะไรปรากฏบนหน้าจอ ให้กดปุ่มสำหรับเลือกสัญญาณเข้า。





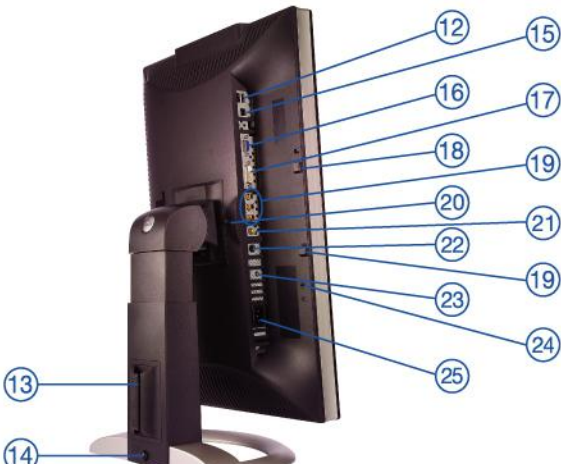
1. Input Indicators (1:VGA, 2:DVI, 3:S-Video, 4:Composite, 5:Component)
2. Input selection
3. PIP(Picture In Picture) / PBP(Picture By Picture) selection
4. Menu selection
5. Brightness & Contrast / Down(-)
6. Auto adjust / Up(+)
7. Power button
8. Card Reader slot: CF I&II / Micro Drive
9. Card Reader slot: Smart Media
10. Card Reader slot: MS / MS Pro / MS Pro Duo
11. Card Reader slot: SD / MMC / mini SD
12. USB Downstream ports
13. Cable holder
14. Stand lock release button
15. USB Upstream port
16. VGA connector
17. DVI connector
18. Mechanical attachment point for Dell™ Sound Bar
19. Component video(Y Pb Pr) connectors
20. Display removal button
21. Composite video connector
22. S-Video connector
23. DC power connector for Dell™ Sound Bar
24. Kensington lock slot
25. AC Power socket



1. Indicateurs d'entrée (1:VGA, 2:DVI, 3:S-Video, 4:Composite, 5:Component)
2. Sélection d'entrée
3. Sélection PIP(Picture in Picture)/PBP(Picture by Picture)
4. Sélection de menu
5. Luminosité & Contraste / bas(-)
6. Auto-réglage / haut(+)
7. Bouton marche / arrêt
8. Emplacement du lecteur de cartes: CF I&II / Micro Drive
9. Emplacement du lecteur de cartes: Smart Media
10. Emplacement du lecteur de cartes: MS / MS Pro / MS Pro Duo
11. Emplacement du lecteur de cartes: SD / MMC / mini SD
12. Ports en aval USB
13. Cable holder
14. Bouton de déblocage
15. Port en amont USB
16. ConnecteurVGA
17. Connecteur DVI
18. Point de rattachement mécanique pour la Sound Bar Dell™
19. Connecteurs de la video composante (Y Pb Pr)
20. Bouton de retrait d'écran
21. Connecteur vidéo composite
22. Connecteur S-Video
23. Connecteur pour courant continu pour la Sound Bar Dell™
24. Kensington lock slot
25. Prise secteur

1. Indicadores de entrada (1:VGA, 2:DVI, 3:S-Video, 4:Composite, 5:Component)
2. Selección de entrada
3. Selección PIP(Imagen en Imagen) / PBP(Imagen por Imagen)
4. Selección de menús
5. Brillo y contraste / Bajar (-)
6. Ajuste automático / Subir (+)
7. Interruptor
8. Ranura del lector de tarjeta: CF I&II / Micro Drive
9. Ranura del lector de tarjeta: Smart Media
10. Ranura del lector de tarjeta: MS / MS Pro / MS Pro Duo
11. Ranura del lector de tarjeta: SD / MMC / mini SD
12. Puertos USB del dispositivo
13. Cable de señal D-sub de 15 contactos
14. Botón de bloqueo del soporte
15. Puerto USB para carga de datos
16. Conexión VGA
17. Conexión DVI
18. Punto de enganche mecánico para Dell™ Sound Bar
19. Conectores de componente de video (Y Pb Pr)
20. Botón de extracción de la pantalla
21. Conexión de vídeo Composite
22. Conexión S-Video
23. Conexión de DC para Dell™ Sound Bar
24. Ranura de bloqueo Kensington
25. Tomacorriente de CA

1. Indicadores de entrada (1:VGA, 2:DVI, 3:S-Video, 4:Composite, 5:Component)
2. Seleção de entrada
3. Seleção de PIP(Picture in Picture)/PBP(Picture by Picture)
4. Seleção de menu
5. Brilho e contraste / Diminuir (-)
6. Auto-ajuste / Aumentar (+)
7. Botão liga / desliga
8. Slot do leitor de cartão: CF I&II / Micro Drive
9. Slot do leitor de cartão: Smart Media
10. Slot do leitor de cartão: MS / MS Pro / MS Pro Duo
11. Slot do leitor de cartão: SD / MMC / mini SD
12. Portas USB em downsteram
13. Suporte de cabos
14. Botão de desengate da trava do suporte
15. Porta USB em upsteram
16. Conector de VGA
17. Conector de DVI
18. Ponto para conexão mecânica do Sound Bar Dell™
19. Conectores de vídeo componente (Y Pb Pr)
20. Botão para remoção do monitor
21. Conector de vídeo composto
22. Conector de S-Video
23. Conector de alimentação em CC para o Sound Bar Dell™
24. Encaixe de travamento Kensington
25. Tomada de CA



1. Eingangsindikatoren (1:VGA, 2:DVI, 3:S-Video, 4:Composite, 5:Component)
2. Eingangsauswahl
3. PIP(Bild in Bild)/PBP(Bild neben Bild) Auswahl
4. Menüauswahl
5. Helligkeit & Kontrast / Ab (-)
6. Automatische Einstellung & Auf (+)
7. Ein-/Aus-Taste
8. Kartenleser-Steckplatz: CF I&II / Micro Drive
9. Kartenleser-Steckplatz: Smart Media
10. Kartenleser-Steckplatz: MS / MS Pro / MS Pro Duo
11. Kartenleser-Steckplatz: SD / MMC / mini SD
12. USB Downsteram-Anschlüsse
13. Kabelhalter
14. Entriegelung für Standfuß
15. USB Upsteram-Anschluss
16. VGA-Stecker
17. DVI-Stecker
18. Punkt zur mechanischen Anbringung Für Dell™ Sound Bar
19. Component-Video (Y Pb Pr)-Anschlusse
20. Taste zum Abnehmen Bildschirms
21. Composite-Video-Stecker
22. S-Video-Stecker
23. DC-Stromanschluss für Dell™ Sound Bar
24. Anschluss für Diebstahlsicherung
25. Netzsteckdose

1. Indicatori di ingresso (1:VGA, 2:DVI, 3:S-Video, 4:Composite, 5:Component)
2. Selezione dell'ingresso
3. Selezione PIP(Picture In Picture) / PBP(Picture By Picture)
4. Selezione dei menu
5. Luminosità e contrasto / Riduzione (-)
6. Regolazione automarica / Aumento (+)
7. Pulsante di accensione
8. Slot del Lettore di Scheda: CF I&II / Micro Drive
9. Slot del Lettore di Scheda: Smart Media
10. Slot del Lettore di Scheda: MS / MS Pro / MS Pro Duo
11. Slot del Lettore di Scheda: SD / MMC / mini SD
12. Porte downsteram USB
13. Supporto cavo
14. Pulsante di rilascio blocco supporto
15. Porta upsteram USB
16. Connettore VGA
17. Connettore DVI
18. Punto di fissaggio meccanico per Dell™ Sound Bar
19. Componenti Component video (Y Pb Pr)
20. Pulsante di rimozione display
21. Connettore Video composto
22. Connettore S-Video
23. Connettore di alimentazione CD per Dell™ Sound Bar
24. Slot di sicurezza Kensington
25. Presa di corrente AC

1. Wskazniki wejść (1:VGA, 2:DVI, 3:S-Video, 4:Composite, 5:Component)
2. Selektor Wejść
3. Selektor trybu PIP(obraz w obrazie) / PBP(obraz obokobrazu)
4. Menu
5. Jaskrawość i kontrast / zmnie wartości(-)
6. Regulacja automatyczna / zwiększanie wartości(+)
7. Włącznik zasilania
8. Gniazdo czytnika kart: CF I&II / Micro Drive
9. Gniazdo czytnika kart: Smart Media
10. Gniazdo czytnika kart: MS / MS Pro / MS Pro Duo
11. Gniazdo czytnika kart: SD / MMC / mini SD
12. Porty wyjściowe USB
13. Uchwyt przewodu
14. Przycisk zwolnienia bloady podstawy
15. Port wejściowy USB
16. Złącze VGA
17. Złącze DVI
18. Złącze panelu dzwiekowego Dell™
19. Złącze Komponentowego sygnału wizji (Y Pb Pr)
20. Przycisk zwalniania podstawy monitora
21. Złącze zespolonego sygnału wideo (Composite)
22. Złącze S-Video
23. Złącze zasilania DC panelu dzwiekowego Dell™
24. Gniazdo blokady Kensington
25. Gniazdo zasilania prądem przemiennym

1. 輸入指示燈 (1:VGA, 2:DVI, 3:S-Video, 4:Composite, 5:Component)
2. 輸入選擇
3. PIP(子母畫面) / PBP(雙畫面並排) 選擇
4. 功能表選擇
5. 亮度和對比度/減小(-)
6. 自動調節/增大 (+)
7. 電源按鈕
8. 讀卡機插槽: CF I&II / Micro Drive
9. 讀卡機插槽: Smart Media
10. 讀卡機插槽: MS / MS Pro / MS Pro Duo
11. 讀卡機插槽: SD / MMC / mini SD
12. USB下游埠
13. 電纜固定器
14. 支架鎖開啓按鈕
15. USB上游埠
16. VGA連接器
17. DVI連接器
18. DELL™ Soundbar的設備連接點
19. 分量視頻接口(Y Pb Pr)
20. 顯示器釋放按鈕
21. 複合視頻連接器
22. S-Video連接器
23. 用於DELL™ Soundbar的DC電源連接器
24. Kensington鎖插槽
25. 電源插座

1. 輸入指示燈 (1:VGA, 2:DVI, 3:S-Video, 4:Composite, 5:Component)
2. 輸入選擇
3. PIP(画中画) / PBP(双画面) 选择
4. 菜单选择
5. 亮度和对比度/减小(-)
6. 自动调节/增大 (+)
7. 电源按钮
8. 读卡机插槽: CF I&II / Micro Drive
9. 读卡机插槽: Smart Media
10. 读卡机插槽: MS / MS Pro / MS Pro Duo
11. 读卡机插槽: SD / MMC / mini SD
12. USB下游端口
13. 电缆夹圈
14. 支架解锁按钮
15. USB上游端口
16. VGA接口
17. DVI接口
18. DELL™ Soundbar设备连接点
19. 分量视频接口(Y Pb Pr)
20. 显示器释放按钮
21. 复合视频接口
22. S-Video接口
23. DELL™ Soundbar的DC电源接口
24. Kensington锁的锁定槽
25. AC电源插座

1. 入力表示板 (1:VGA, 2:DVI, 3:S-Video, 4:Composite, 5:Component)
2. 入力選択
3. PIP (ビクチャー・ イン・ ビクチャー) / PBP(ビクチャー・ バイ・ ビクチャー) 選択
4. メニュー選択
5. 輝度とコントラスト/下(-)
6. 自動調整/上(+)
7. 電源ボタン
8. カードリーダー スロット: CF I&II / Micro Drive
9. カードリーダー スロット: Smart Media
10. カードリーダー スロット: MS / MS Pro / MS Pro Duo
11. カードリーダー スロット: SD / MMC / mini SD
12. USBダウンストリームポート(下リポート)
13. ケーブルホルダー
14. スタンドロック解除ボタン
15. USBダウンストリームポート(下リポート)
16. VGAコネクタ
17. DVIコネクタ
18. Dell™ Soundbar(サウンドバー)の取り付け位置
19. コンポーネントビデオ (Y Pb Pr) コネクタ
20. ディスプレイ取り外しボタン
21. Composite video(コンボジットビデオ)コネクタ
22. S-Videoコネクタ
23. Dell™ Soundbar(サウンドバー)DC電源コネクタ
24. Kensington ロックスロット
25. AC電源ソケット

1. 입력 표시등 (1:VGA, 2:DVI, 3:S-Video, 4:Composite, 5:Component)
2. 입력 선택
3. PIP(Picture In Picture) / PBP(Picture By Picture) 선택
4. 메뉴 선택
5. 밝기 & 대비 / 아래로(-)
6. 자동 조정 & 위로(+)
7. 전원 버튼
8. 카드 판독기 슬롯: CF I&II / Micro Drive
9. 카드 판독기 슬롯: Smart Media
10. 카드 판독기 슬롯: MS / MS Pro / MS Pro Duo
11. 카드 판독기 슬롯: SD / MMC / mini SD
12. USB 다운스트림 포트
13. 케이블 홀더
14. 스탠드 잠금 해제 버튼
15. USB 업스트림 포트
16. VGA 커넥터
17. DVI 커넥터
18. Dell™ 사운드바(선택품목) 부착 위치
19. 컴포넌트 비디오(Y Pb Pr) 커넥터
20. 화면 분리 버튼
21. 컴포지트 비디오 커넥터
22. S-비디오 커넥터
23. Dell™ 사운드바(선택품목)용 DC 전원 커넥터
24. 도난 방지 잠금 장치
25. AC 전원 소켓

1. ไฟแสดงสถานะ (1:VGA, 2:DVI, 3:S-Video, 4:Composite, 5:Component)
2. การเลือก อินพุต
3. การเลือก PIP(Picture In Picture) / PBP(Picture By Picture)
4. การเลือก เมนู
5. ความสว่าง & ความคมชัด / ลดค่า(-)
6. ปรับอัตโนมัติ / เพิ่มค่า(+)
7. ปุ่มเปิด/ปิด
8. สล็อตเครื่องอ่านการ์ด: CF I&II / Micro Drive
9. สล็อตเครื่องอ่านการ์ด: Smart Media
10. สล็อตเครื่องอ่านการ์ด: MS / MS Pro / MS Pro Duo
11. สล็อตเครื่องอ่านการ์ด: SD / MMC / mini SD
12. พอร์ต USB สายารบดาวโ สตรี ม
13. ที่ ยึดสายเคเบิ้ล
14. ปุ่มปลดล๊อคขาโต๊ะ
15. พอร์ต USB สายารบ ปสตรี่ ม
16. ช่องเสียบ VGA
17. ช่องเสียบ DVI
18. จุดยึด มอนิเตอร์ บน Dell™ Sound Bar
19. ขั้วต่อวิดีโอคอมโพเนนต์ (Y Pb Pr)
20. ปุ่มปลดล๊อคจอภาพ
21. ช่องเสียบ Composite Video
22. พอร์ต USB สายารบ ปสตรี่ ม
23. ช่องเสียบขั้วต่อไฟ DC สายารบ Dell™ Sound Bar
24. ช่องเสียบ ล๊อค Kensington
25. ช่องเสียบไฟ AC

Note: Important instructions and graphic drivers to set the display resolution to 1920x1200 (Optimal) are on the CD.
Remarque : Des instructions importantes sur les pilotes graphiques pour définir la résolution de l'affichage à 1920x1200 (optimale) sont sur le CD.
Nota: Las instrucciones importantes y los controladores gráficos para establecer la resolución de pantalla de 1920x1200 (óptima) están en el CD.
Nota: As instruções importantes e os drivers gráficos para definir a resolução da tela para 1920x1200 (ótima) estão no CD.
Hinweis: Wichtige Anweisungen und Grafiktreiber für die Einstellung der Anzeigeaufösung auf 1920x1200 (optimale Einstellung) befinden sich auf der CD.
Nota: Il CD contiene istruzioni importanti e driver grafici per impostare la risoluzione del display su 1920x1200 (ottimale).
Uwaga: Ważne informacje oraz sterowniki graficzne wymagane do ustawienia optymalnej rozdzielczości wyświetlacza 1920x1200 są zamieszczone na dysku CD.



注意：關於如何將顯示解析度設定為 1920x1200 (最佳化) 的重要指示與圖形驅動程式等資訊在光碟片內皆有詳細說明。

注意：設定顯示分辨率為 1920x1200 (优化) 的重要指示與圖形驅動程序等信息在光盤上都可找到。

注意：「安全上の注意」とディスプレイ解像度を1920x1200 (最適) に設定するためのドライバはCDに格納されています。

참고: 디스플레이 해상도를 1920x1200(최적)으로 설정하기 위한 중요한 지침과 그래픽 드라이버가 CD에 들어 있습니다.

หมายเหตุ: ไดรเวอร์กราฟฟิก และขั้นตอนสำคัญเกี่ยวกับการตั้งค่าความละเอียดเป็น 1920x1200 (เหมาะสมที่สุด) นั้นอยู่บนซีดี

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