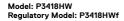
Dell P3418HW

User's Guide





<u>U</u>	NOTE: A NOTE indicates important information that helps you make better use of your computer.
\triangle	CAUTION: A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed.
\triangle	WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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2017 - 07

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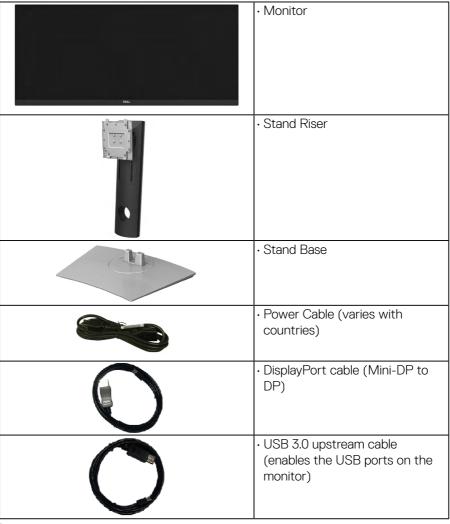
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About Your Monitor

Package Contents

Your monitor ships with all the components shown below. Ensure that you have received all the components and **Contact Dell** if anything is missing.

NOTE: Some items may be optional and may not ship with your monitor. Some features may not be available in certain countries.







- · Quick Setup Guide
- Safety and Regulatory Information

Product Features

The Dell P3418HW flat-panel display has an active matrix, Thin-Film Transistor, Liquid Crystal Display and LED backlight. The monitor's features include:

- P3418HW: 86.704 cm (34.0 inches) diagonal viewable image size, 2560 x 1080 resolution, plus full-screen support for lower resolutions.
- Wide viewing angle to allow viewing from a sitting or standing position, or while moving from side-to-side.
- · Tilt, swivel, and vertical extension adjustment capabilities.
- Ultra-thin bezel minimizes the bezel gap in multi-monitor usage, enabling easier set up with an elegant viewing experience.
- Removable pedestal and Video Electronics Standards Association (VESA) 100 mm mounting holes for flexible mounting solutions.
- · Plug and play capability if supported by your system.
- Color gamut of 99% sRGB.
- On-Screen Display (OSD) adjustments for ease of set-up and screen optimization.
- Dell Display Manager Software included.
- · Security lock slot.
- Stand lock.
- Capability to switch from wide aspect to standard aspect ratio while maintaining the image quality.
- 0.5 W standby power when in the sleep mode.
- · Supports Picture by Picture (PBP) and Picture in Picture (PIP) Select mode.
- · Optimize eye comfort with a flicker-free screen.

NOTE: The possible long-term effects of blue light emission from the monitor may cause damage to the eyes, including eye fatigue or digital eye strain. ComfortView feature is designed to reduce the amount of blue light emitted from the monitor to optimize eye comfort.



Identifying Parts and Controls

Front View



1	Function buttons (For more information, see Operating the Monitor)

2 Power On/Off button (with LED indicator)

Back View



Back View with Monitor Stand

Label	Description	Use
1	VESA mounting holes (100	To mount the monitor.
	mm)	
2	Regulatory rating label	Lists the regulatory approvals.
3	Stand release button	Releases stand from monitor.
4	Barcode serial number label	Refer to this label if you need to contact
		Dell for technical support.
5	Cable management slot	Use to organize cables by placing them
		through the slot.



Side View



Label	Description	Use
1	USB downstream port	Connect your USB device. You can only use this connector after you have connected the USB cable to the computer and USB downstream
		connector on the monitor.*
2	USB downstream port with Power Charging	Connect to charge your device.

^{*} To avoid signal interference, when a wireless USB device has been connected to a USB downstream port, it is NOT recommended to connect any other USB devices to the adjacent port(s).

Bottom View



Labe	el Description	Use
1	AC power connector	To connect the monitor power cable.
2	,	Secures monitor with security lock (security lock not included).



3	HDMI connector	Connect your computer with HDMI cable.
4	DisplayPort connector	Connect your computer with DP cable.
5	Mini DisplayPort connector	Connect your computer with Mini DP to DP cable.
6	USB upstream port	Connect the USB cable that came with your monitor to the monitor and the computer. Once this cable is connected, you can use the USB connectors on the monitor.
7	USB downstream port	Connect your USB device. You can use this connector only after you have connected the USB cable to the computer and USB upstream connector on the monitor.
8	Audio Line Out	Connect the Soundbar mini stereo plug (Supports two-channel output).
9	Stand lock feature	To lock the stand to the monitor using a M3 x 6 mm screw (screw not included).

Monitor Specifications

Flat-Panel Specifications

Model number	P3418HW
Screen type	Active matrix - TFT LCD
Panel Technology	In-Plane Switching Technology
Viewable image	
Active Screen Size	86.704 cm (34 inches) (Aspect Ratio: 21:9)
Horizontal Active Area	799.80 mm (31.49 inches)
Vertical Active Area	334.80 mm (13.18 inches)
Area	267773.04 mm² (415.01 inches²)



Outline Dimension	813.9(H) x 368.1(V)x 37.8 mm (Typ.)
Pixel pitch	0.312 mm x 0.310 mm
Pixel per inch (PPI)	81.4 x 81.9
Viewing angle	
Horizontal	172° typical
Vertical	178° typical
Brightness	300 cd/m² (typical)
Contrast ratio	1000 to 1 (typical)
Display screen coating	Antiglare with hard-coating 3H
Backlight	White LED edgelight system
Response Time	OverDrive : 5 ms (typical-fast mode) 8 ms (typical - normal mode)
Color Depth	16.78 million colors
Color Gamut	99% sRGB *
Connectivity	 2 x HDMI 1.4 (HDCP 1.4) 1 x DP 1.2 (HDCP 1.4) 1 x mDP (HDCP 1.4) 1 x USB 3.0 port - Upstream 2 x USB 3.0 port - Side (1 charging port) 2 x USB 3.0 port - Bottom 1 x Audio Line Out



	7.05 mm (Left/Right)
Border width (edge of monitor to active area)	8.0 mm (Top)
monitor to active area)	25.3 mm (Bottom)
Adjustability	
Height adjustable stand	0 to 115 mm
Tilt	-5° to 21°
Swivel	-30° to 30°
Pivot	N/A
Dell Display Manager Compatibility	Yes
Security	· Security lock slot (cable lock sold separately)
Decurity	 Anti-theft stand lock slot (to panel)

^{*} P3418HW color gamut (typical) is based on CIE1931 standard.

Resolution Specifications

Model number	P3418HW
Scan range	
· Horizontal	30 kHz to 83 kHz (automatic)
· Vertical	56 Hz to 76 Hz (automatic)
Maximum preset resolution	2560 x 1080 at 60 Hz

Supported Video Modes

Model number	P3418HW
Video display capabilities	480p, 576p, 720p, 1080i, 1080p
(HDMI & DP playback)	



Preset Display Modes

The following table lists the preset modes for which Dell guarantees image size and centering:

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (Horizontal/ Vertical)
VESA, 720 x 400	31.5	70.1	28.3	-/+
VESA, 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 900	60.0	60. 0	108.0	+/+
VESA, 1920 x 1080	67.5	60.0	148.5	+/+
VESA, 2560 x 1080	66.6	60.0	185.5	+/-

Electrical Specifications

Model number	P3418HW
Video input signals	HDMI 1.4/DP 1.2*, 600mV for each differential line, 100 ohm
	input impedance per differential pair
AC input voltage /	100 VAC to 240 VAC / 50 Hz or 60 Hz ± 3 Hz / 4.0 A
frequency / current	(typical)



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

^{*} Support DP1.2 specification, include HBR2 and DP audio.

Speaker Specifications

Model number	P3418HW
Speaker	2 x 9.0 W
Impedance	8 ohm

Physical Characteristics

The following table lists the monitor's physical characteristics:

Model Number	P3418HW
Signal cable type	· Digital: detachable, HDMI, 19 pins
	Digital: detachable, Mini-DP to DP, 20 pins
	· Universal Serial Bus: detachable, USB, 9
	pins
Dimensions: (with stand)	
Height (extended)	532.6 mm (20.97 inches)
Height (compressed)	417.6 mm (16.44 inches)
Width	813.9 mm (32.04 inches)
Depth	226.4 mm (8.91 inches)
Dimensions: (without stand)	
 Height	368.1 mm (14.49 inches)
Width	813.9 mm (32.04 inches)
Depth	51.35 mm (2.02 inches)
Stand dimensions:	
Height (extended)	416.9 mm (16.41 inches)
Height (compressed)	410.0 mm (16.14 inches)



Width	342.2 mm (13.47 inches)
Depth	226.4 mm (8.91 inches)
Weight:	
Weight with packaging	14.58 kg (31.30 lb)
Weight with stand assembly and cables	10.09 kg (22.24 lb)
Weight without stand assembly (For wall mount or VESA mount	6.81 kg (15.01lb)
considerations - no cables) Weight of stand assembly	2.76 kg (6.08 lb)



Environmental Characteristics

The following table lists the environmental conditions for your monitor:

Model	Number	P3418HW
Complia	nt Standards	
	Meets NFPA 99 le	akage current requirements
	RoHS-compliant	
	BFR/PVC-free (Ha	alogen-free) excluding external cables
•	Arsenic-Free glass	and Mercury-Free for the panel only
Tempera	iture	
	Operating	0 °C to 40 °C (32 °F to 104 °F)
	Non-operating	Storage: -20 °C to 60 °C (-4 °F to 140 °F)
		Shipping: -20 °C to 60 °C (-4 °F to 140 °F)
Humidity	/	
	Operating	10 % to 80 % (non-condensing)
	Non-operating	Storage: 5 % to 90 % (non-condensing)
		Shipping: 10 % to 90 % (non-condensing)
Altitude		
	Operating	4,000 m (12,000 ft) max
	Non-operating	12,191 m (40,000 ft) max
Thermal	dissipation	410 BTU/hour (maximum)
		137 BTU/hour (typical)



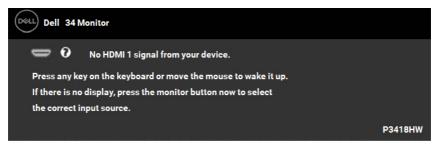
Power Management Modes

If you have VESA's DPM compliance display card or software installed in your PC, the monitor automatically reduces its power consumption when not in use. This is referred to as Power Save Mode. If the computer detects input from keyboard, mouse, or other input devices, the monitor automatically resumes functioning. 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	White	120 W (Maximum)**
					40 W (Typical)
Active-off mode	Inactive	Inactive	Blank	Glowing	Less than 0.5 W
				white	
Switch off	-	-		Off	Less than 0.3 W *

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

The OSD will only function in the *normal operation* mode. When any button except power button is pressed in Active-off mode, the following messages will be displayed:



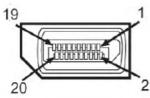
Activate the computer and monitor to gain access to the OSD.



^{**} Maximum power consumption with max luminance and contrast.

Pin Assignments

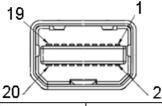
DisplayPort Connector



Pin	20-pin Side of the Connected Signal Cable
Number	
1	ML_Lane 3(n)
2	GND
3	ML_Lane 3(p)
4	ML_Lane 2(n)
5	GND
6	ML_Lane 2(p)
7	ML_Lane 1(n)
8	GND
9	ML_Lane 1(p)
10	ML_Lane O(n)
11	GND
12	ML_Lane 0(p)
13	CONFIG1
14	CONFIG2
15	AUX CH(ρ)
16	GND
17	AUX CH(n)
18	Hot Plug Detect
19	Return
20	DP_PWR



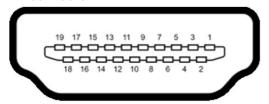
Mini DisplayPort Connector



Pin Number	20-pin Side of the Connected Signal Cable
1	GND
2	Hot Plug Detect
3	ML_Lane 3(n)
4	CONFIG1
5	ML_Lane 3(p)
6	CONFIG2
7	GND
8	GND
9	ML_Lane 2(n)
10	ML_Lane O(n)
11	ML_Lane 2(p)
12	ML_Lane 0(p)
13	GND
14	GND
15	ML_Lane 1(n)
16	AUX CH(p)
17	ML_Lane 1(p)
18	AUX CH(n)
19	GND
20	DP_PWR



HDMI connector



Pin Number	19-pin Side of the Connected Signal Cable
1	TMDS Data 2+
2	TMDS Data 2 Shield
3	TMDS Data 2-
4	TMDS Data 1+
5	TMDS Data 1 Shield
6	TMDS Data 1-
7	TMDS Data 0+
8	TMDS Data 0 Shield
9	TMDS Data 0-
10	TMDS Clock+
11	TMDS Clock Shield
12	TMDS Clock-
13	CEC
14	Utility
15	SCL
16	SDA
17	ODC/CEC Ground
18	+5 V Power
19	Hit Plug Detect



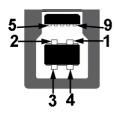
Universal Serial Bus (USB) Interface

This section gives you information about the USB ports that are available on the monitor.

NOTE: This monitor is Super-Speed USB 3.0 compatible.

The first time the matter is earlier operation of the farmeter.		
Transfer Speed	Data Rate	Power Consumption
Super-Speed	5 Gbps	4.5W (Max, each port)
High Speed	480 Mbps	4.5W (Max, each port)
Full Speed	12 Mbps	4.5W (Max, each port)

USB Upstream Connector



Pin Number	9-pin Side of the Connector
1	VBUS
2	D-
3	D+
4	GND
5	StdB_SSTX-
6	StdB_SSTX+
7	GND_DRAIN
8	StdB_SSRX-
9	StdB_SSRX+
Shell	Shield



USB Downstream Connector



Pin Number	9-pin Side of the Connector
1	VCC
3	D-
3	D+
4	GND
5	StdA_SSRX_
6	StdA_SSRX+
7	GND_DRAIN
8	StdA_SSTX-
9	StdA_SSTX+
Shell	Shield

USB Ports

- · 1 upstream bottom
- · 4 downstream 2 bottom and 2 side
- Power Charging Port- (USB ports with lightning icon); supports fast current charging capability if the device is BC 1.2 compatible.
 - **NOTE:** USB 3.0 functionality requires a USB 3.0-capable computer.
 - NOTE: The monitor's USB interface works only when the monitor is On or in the power-save mode. If you turn Off the monitor and then turn it On, the attached peripherals may take a few seconds to resume normal functionality.



Plug and Play Capability

You can install the monitor in any Plug and Play compatible system. The monitor automatically provides the computer with its Extended Display Identification Data (EDID) using Display Data Channel (DDC) protocols so that the system can configure itself and optimize the monitor settings. Most monitor installations are automatic. You can select different settings if required.

LCD Monitor Quality & Pixel Policy

During the LCD Monitor manufacturing process, it is not uncommon for one or more pixels to become fixed in an unchanging state. The visible result is a fixed pixel that appears as an extremely tiny dark or bright discolored spot. When the pixel remains permanently lit, it is known as a "bright dot." When the pixel remains black, it is known as a "dark dot."

In almost every case, these fixed pixels are hard to see and do not detract from display quality or usability. A display with 1 to 5 fixed pixels is considered normal and within competitive standards. For more information, see Dell Support site at: http://www.dell.com/support/monitors.

Maintenance Guidelines

Caring for Your Monitor

CAUTION: Read and follow the safety instructions before cleaning the monitor.

MARNING: Before cleaning the monitor, unplug the monitor power cable from the electrical outlet.

For best practices, follow the instructions in the list below while unpacking, cleaning, or handling your monitor:

- To clean your antistatic screen, slightly dampen a soft, clean cloth with water.
 If possible, use a special screen-cleaning tissue or solution suitable for the antistatic coating. Do not use benzene, thinner, ammonia, abrasive cleaners, or compressed air.
- Use a slightly dampened, warm cloth to clean the plastics. Avoid using detergent of any kind as some detergents leave a milky film on the plastics.
- 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 a darker-colored monitor may scratch and show white scuff marks more than a lighter-colored monitor.
- To help maintain the best image quality on your monitor, use a dynamically changing screen saver and power off your monitor when not in use.



Setting Up the Monitor

Attaching the Stand

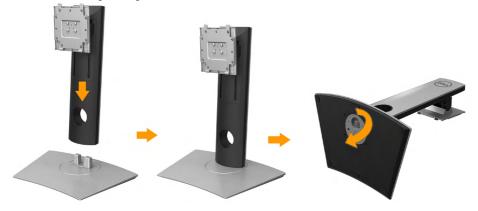
NOTE: The stand is detached when the monitor is shipped from the factory.

NOTE: This is applicable for a monitor with a stand. When any other stand is bought, please refer to the respective stand setup guide for the set-up instructions.

CAUTION: Do not remove the monitor from the packaging box before attaching the stand.

To attach the monitor stand:

- 1. Follow the instructions on the flaps of carton to remove the stand from the top cushion that secures it.
- 2. Insert the stand base blocks fully into the stand slot.
- 3. Lift the screw handle and turn the screw clockwise.
- 4. After fully tightening the screw, fold the screw handle flat within the recess.

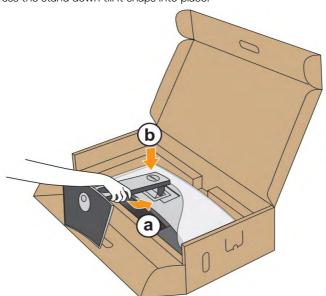




5. Lift the cover, as shown, to expose the VESA area for stand assembly.

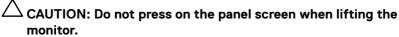


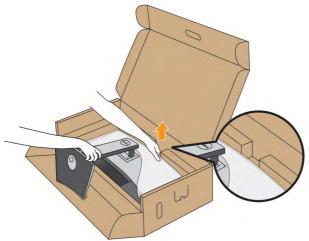
- **6.** Attach the stand assembly to the monitor:
 - a. Fit the two tabs on the upper part of the stand to the groove on the back of the monitor.
 - **b.** Press the stand down till it snaps into place.





- 7. Place the monitor upright.
 - a. Slide one hand in the cutout area on the bottom cushion and use the other hand to hold the stand.
 - **b.** Lift the monitor carefully to prevent it from slipping or falling.





8. Remove the cover from the monitor.





Connecting Your Monitor

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

To connect your monitor to the computer:

- 1. Turn off your computer and disconnect the power cable.
- **2.** Connect the DisplayPort, Mini-DP to DP or HDMI cable to the corresponding video port on the back of your computer.

Connecting HDMI Cable



Connecting DisplayPort (DP to DP) cable



Connecting DisplayPort (Mini-DP to DP) cable





Connecting USB 3.0 cable

NOTE: To prevent data damage or loss, before changing USB upstream ports, make sure that NO USB storage devices are in use by the computer connected to the monitor's USB upstream port.

After you have completed connecting the Mini-DP / Mini-DP / HDMI cable, follow the procedures below to connect the USB cable to the computer and complete your monitor setup:

- **1.** Connect the upstream USB 3.0 port (cable supplied) to an appropriate USB port on your computer. (See **Side view** for details.)
- Connect the USB 3.0 peripherals to the downstream USB ports on the monitor.
- 3. Plug the power cables for your computer and monitor into a nearby outlet.
- **4.** Turn on the monitor and the computer.

 If your monitor displays an image, installation is complete. If it does not display an image, see Universal Serial Bus (USB) Specific Problems.
- **5.** Use the cable slot on the monitor stand to organize the cables.



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



Organizing Your Cables



After attaching all necessary cables to your monitor and computer, (See **Connecting Your Monitor** for cable attachment), organize all cables as shown above.



Removing the Monitor Stand

- **NOTE**: To prevent scratches on the LCD screen while removing the stand, ensure that the monitor is placed on a soft, clean surface.
- **NOTE**: This is applicable for a monitor with a stand. When any other stand is bought, please refer to the respective stand setup guide for the removal instructions.



To remove the stand:

- 1. Place the monitor on a flat surface.
- 2. Press and hold the stand-release button.
- **3.** Lift the stand up and away from the monitor.



Wall Mounting (Optional)



(Screw dimension: M4 x 10 mm).

Refer to the instructions that come with the VESA-compatible base mounting kit.

- **1.** Place the monitor panel on a soft cloth or cushion on a stable flat table.
- 2. Remove the stand.
- **3.** Use a screwdriver to remove the four screws securing the plastic cover.
- **4.** Attach the mounting bracket from the wall mounting kit to the monitor.
- **5.** Mount the LCD on the wall by following the instructions that came with the base mounting kit.
 - **NOTE**: For use only with UL-listed wall-mount bracket with minimum weight/load bearing capacity of 6.87 kg (P3418HW)



Operating the Monitor

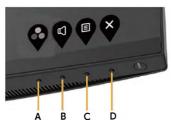
Power On the Monitor

Press the button to turn on the monitor.



Using the Front-Panel Controls

Use the keys on the front of the monitor to adjust the image settings.



Fron	t-Panel Keys	Description
А	Preset modes	Use the Preset modes key to choose from a list of preset color modes. See Using the OSD Menu .
В	Volume	Use the Volume key to direct access to the "Volume" control menu.
С	Menu	Use the Menu key to open the on-screen display (OSD).
D	E xit	Use the Exit key to exit on-screen display (OSD) from menu and sub-menus.

Front-Panel Keys





Front-Panel Keys		Description	
Ā	♀ Up	Use the Up key to adjust (increase ranges) items in the OSD menu.	
В	Down	Use the Down key to adjust (decrease ranges) items in the OSD menu.	
С	⊘ K	Use the OK key to confirm your selection.	
D	S Back	Use the Back key to go back to the previous menu.	

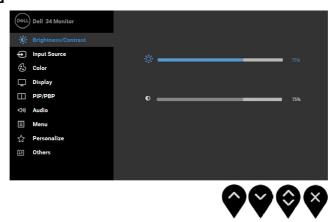
Using the On-Screen Display (OSD) Menu

Accessing the Menu System

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

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

Main Menu





- 2. Press the and buttons to toggle between options in the Menu. As you move from one icon to another, the option name is highlighted.
- 3. To select the highlighted item on the menu press the button again.
- **4.** Press the and buttons to select the desired parameter.
- **5.** Press the button to enter the slide bar and then use the or buttons, according to the indicators on the menu, to make your changes.
- **6.** Select the $\$ to return to previous menu without accepting current settings or $\$ to accept and return to previous menu.

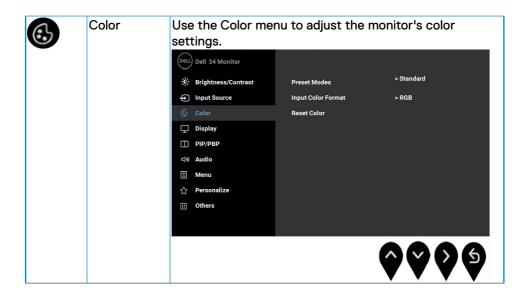
The table below provides a list of all the OSD menu options and their functions.

Icon	Menu and	Description
	Submenus	
200	Brightness/	Use the Brightness and Contrast menu to adjust the
	Contrast	Brightness/Contrast.
		Dell 34 Monitor
		∯: Brightness/Contrast
		• Input Source
		€ Color
		☐ Display
		□ PIP/PBP 0
		■ Menu
		一 ☆ Personalize
		: Others
	Brightness	Allows you to adjust the brightness or luminance of the backlight.
		Press the \bigcirc key to increase brightness and press the \bigcirc key to decrease brightness (min 0 ~ max 100).
		NOTE : Manual adjustment of Brightness is disabled when Dynamic Contrast is switched On.



difference between darkness and lightness on screen. Adjust brightness first, and adjust cont you need further adjustment. Press the key to increase contrast and press to decrease contrast (min 0 ~ max 100). Input Source Use the Input Source menu to select between		Press the ♦ key to increase contrast and press the ♦ key to decrease contrast (min 0 ~ max 100). Use the Input Source menu to select between different video signals that may be connected to your monitor. Set Dell 34 Monitor Pipy Brightness/Contrast Pipy
_	DP	Select DP input when you are using the DP connector.
		Push 🗣 to select the DP input source.
	mDP	Select mDP input when you are using the Mini DisplayPort connector. Push to select the Mini DisplayPort input source.
	HDMI 1	Select HDMI 1 input when you are using the HDMI 1 connector. Push ? to select the HDMI 1 input source.
	HDMI 2	Select HDMI 2 input when you are using the HDMI 2 connector. Push 9 to select the HDMI 2 input source.
	Auto Select	Select Auto Select to scan for available input signals.
	Reset Input Source	Reset your monitor input settings to the factory settings.

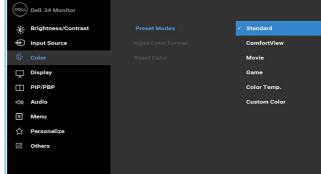






Preset Modes

Allows you to choose from a list of preset color modes.





- Standard: Loads the monitor's default color settings. This is the default preset mode.
- ComfortView: Decreases the level of blue light emitted from the screen to make viewing more comfortable for your eyes.

NOTE: To reduce the risk of eye strain and neck/ arm/back/shoulders pain from using the monitor for long periods of time, we suggest you to:

- Set the screen about 20 to 28 inches (50-70 cm) from your eyes.
- Blink frequently to moisten or rewet your eyes when working with the monitor.
- Take regular and frequent breaks for 20 minutes every two hours.
- Look away from your monitor and gaze at a distant object at 20 feet away for at least 20 seconds during the breaks.
- Perform stretches to relieve tension in the neck/ arm/back/shoulders during the breaks.
- Movie: Loads color settings ideal for movies.
- Game: Loads color settings ideal for most gaming applications.

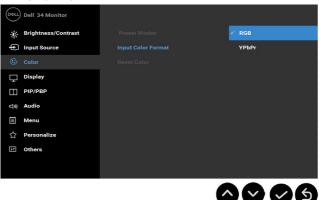


Color Temp.: Allows users to select the color temperature: 5000K, 5700K, 6500K, 7500K, 9300K, and 10000K.
 Custom Color: Allows you to manually adjust the 6-axis color settings. Press the ♠ and ♠ keys to adjust the 6-axis colors values and create your own preset color mode.

Input Color Format

Allows you to set the video input mode to:

- RGB: Select this option if your monitor is connected to a computer or DVD player using the HDMI cable (or DisplayPort cable).
- YPbPr: Select this option if your monitor is connected to a DVD player by YPbPr using HDMI cable (or DisplayPort cable). Or if the DVD color output setting is not RGB.





This feature can shift the color of the video image to green or purple. This is used to adjust the desired flesh tone color Use or to adjust the hue from '0' to '100'.

Press of to increase the monochrome appearance of the video image.

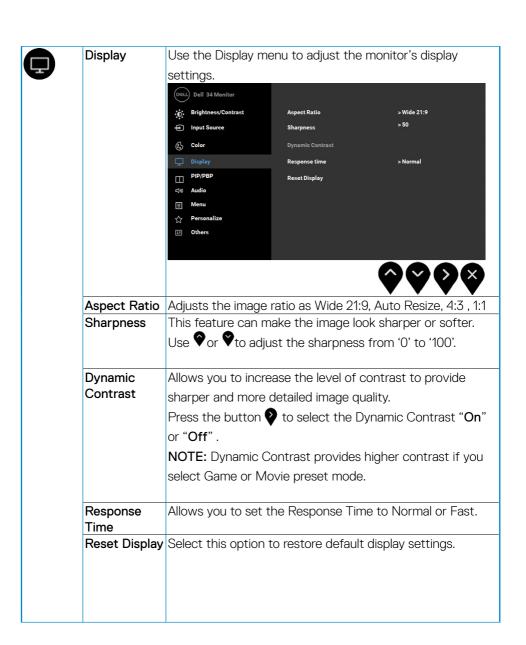
Press of to decrease the colorful appearance of the video image.

Note: Hue adjustment is available only when you select **Movie** or **Game** preset mode.

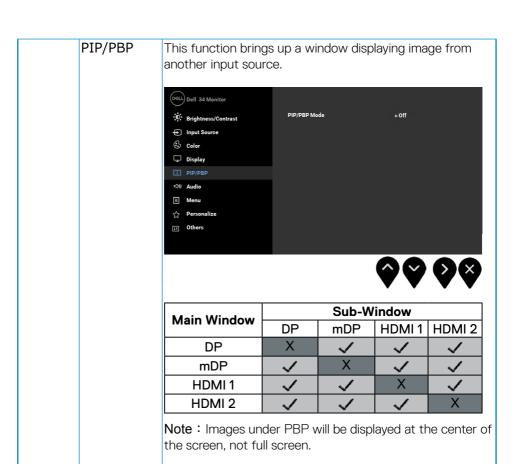


Saturation	This feature can adjust the color saturation of the video
	Image. Use♥ or ♥ to increase the monochrome apperance of
	the video image.
	Press of to increase the colorful appearance of the video image
	Note: Saturation adjustment is available only when you select Movie or Game preset mode.
Reset Color	Resets your monitor's color settings to the factory defaults.
	-





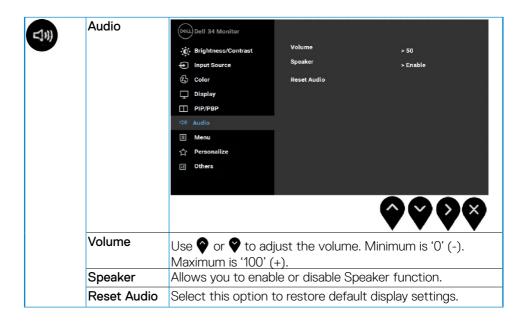




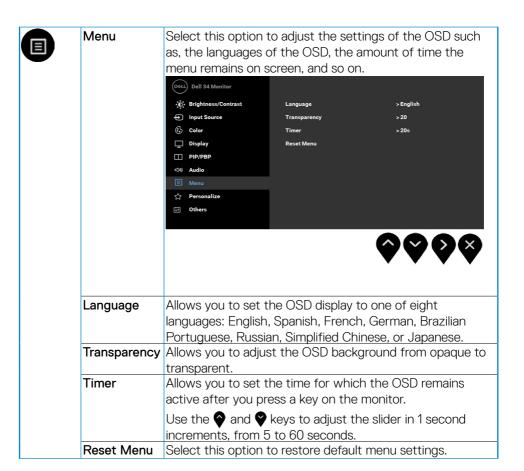


PIP/PBP	Adjusts the PIP/PBP (Picture in Picture/Picture by		
Mode	Picture) mode to PIP Small, PIP Large, PBP. You can		
ivioue	disable this feature by selecting Off.		
	, ,		
	PIP Small PIP Large		
	$oldsymbol{I}$		
	PBP		
	I II		
PIP/PBP	Select between the different video signals that may be		
(Sub)	connected to your monitor for the PIP/PBP sub-window.		
PIP Location	Select PIP sub-window position.		
	Use ♦ or ♦ to browse and ♦ to select Top-Left, Top-		
	Right, Bottom-Right, or Bottom-Left.		
Video Swap	Select to swap videos between main window and subwindow in PIP/PBP mode.		
Audio	Allows you to set the audio source from the main window		
	or the-sub window.		
Contrast	Adjust the contrast level of the picture in PIP/PBP Mode.		
(Sub)	Press the button to increase the contrast and press the		
	button to decrease the contrast.		
	l l		

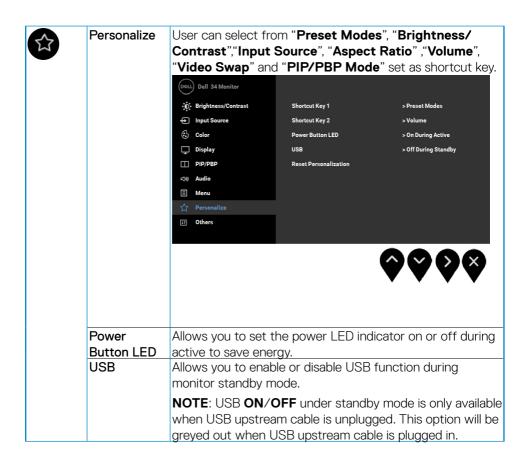




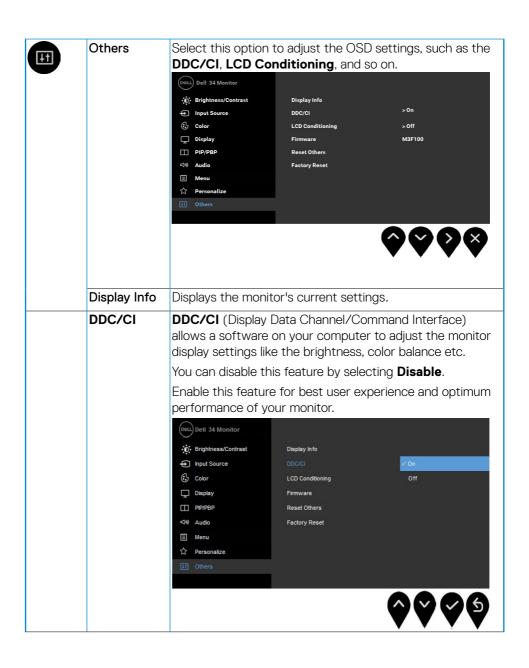




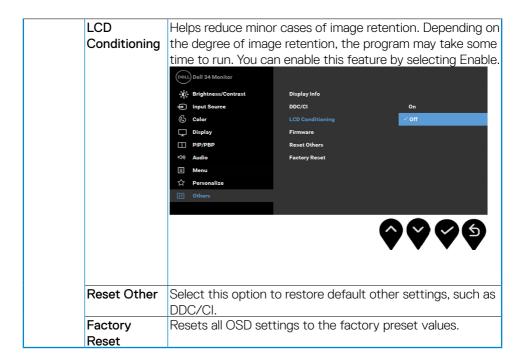






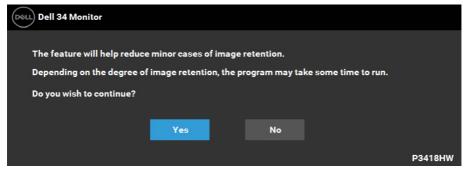






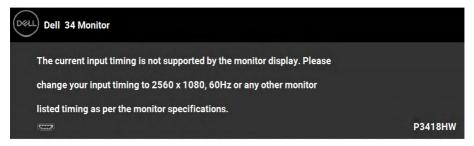
OSD Messages

When the **Dynamic Contrast** feature is enabled (in these preset modes: **Game** or **Movie**), the manual brightness adjustment is disabled.

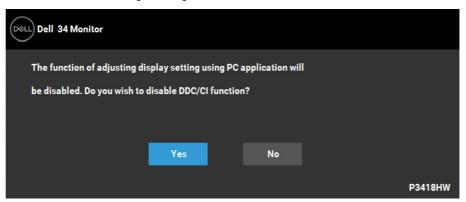


When the monitor does not support a particular resolution mode you will see the following message:





This means that the monitor cannot synchronize with the signal that it is receiving from the computer. See **Monitor Specifications** for the horizontal and vertical frequency ranges addressable by this monitor. Recommended mode is 2560 x 1080. You will see the following message before the DDC/CI function is disabled:

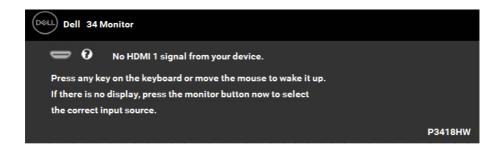


When the monitor enters the **Power Save** mode, the following message appears:

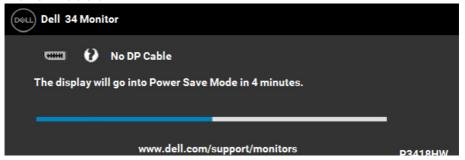


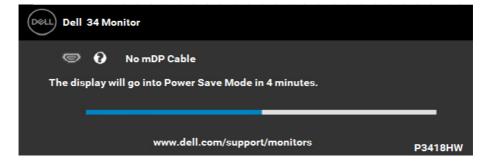
Activate the computer and wake up the monitor to gain access to the <u>OSD</u>. If you press any button other than the power button, the following messages will appear depending on the selected input:



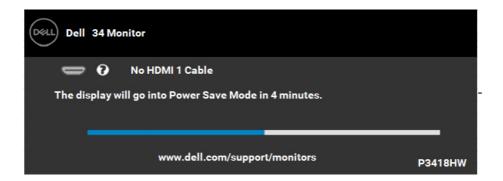


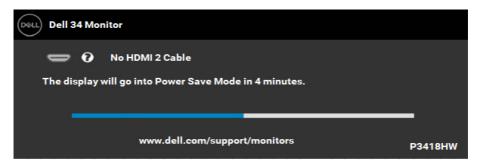
If DP, mDP, HDMI 1 or HDMI 2 cable is not connected, a floating dialog box as shown below appears. The monitor will enter **Power Save Mode after 4 minutes** if left at this state.











See **Solving Problems** for more information.



Setting the Maximum Resolution

For optimal display performance while using the Microsoft Windows operating systems, set the display resolution to 2560×1080 pixels by performing the following steps:

In Windows Vista, Windows 7, Windows 8 or Windows 8.1:

- 1. For Windows 8 or Windows 8.1 only, select the Desktop tile to switch to classic desktop.
- 2. Right-click on the desktop and click Screen Resolution.
- **3.** Click the dropdown list of the screen resolution and select 2560×1080 .
- 4. Click OK.

In Windows 10:

- 1. Right-click on the desktop and click **Display settings**.
- 2. Click Advanced display settings.
- **3.** Click the dropdown list of **Resolution** and select 2560 x 1080.
- 4. Click Apply.

If you do not see 2560×1080 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

- If you have a Dell desktop or a Dell portable computer with Internet access
- If you have a non Dell desktop, portable computer, or graphics card



If you have a Dell desktop or a Dell portable computer with Internet access

- 1. Go to http://www.dell.com/support, enter your service tag, and download the latest driver for your graphics
- 2. After installing the drivers for your graphics adapter, attempt to set the resolution to 2560 x 1080 again.
 - NOTE: If you are unable to set the resolution to 2560 x 1080, please contact Dell to inquire about a graphics adapter that supports these resolutions.

If you have a non Dell desktop, portable computer, or graphics card

In Windows Vista, Windows 7, Windows 8 or Windows 8.1:

- 1. For Windows 8 or Windows 8.1 only, select the Desktop tile to switch to classic desktop.
- 2. Right-click on the desktop and click Personalization.
- 3. Click Change Display Settings.
- Click Advanced Settings.
- 5. Identify your graphics controller supplier from the description at the top of the window (e.g. NVIDIA, ATI, Intel etc.).
- **6.** Please refer to the graphics card provider website for updated driver (for example, http://www.ATI.com OR http://www.NVIDIA.com).
- 7. After installing the drivers for your graphics adapter, attempt to set the resolution to 2560 x 1080 again.

In Windows 10:

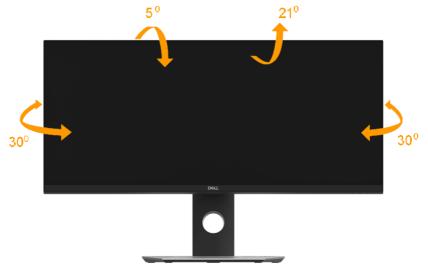
- 1. Right-click on the desktop and click **Display settings**.
- 2. Click Advanced display settings.
- 3. Click Display adapter properties.
- 4. Identify your graphics controller supplier from the description at the top of the window (e.g. NVIDIA, ATI, Intel etc.).
- 5. Please refer to the graphics 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 2560 x 1080 again.
 - **NOTE:** If you are unable to set the resolution to 2560×1080 , please contact the manufacturer of your computer or consider purchasing a graphics adapter that will support the video resolution of 2560×1080



Using the Tilt, Swivel, and Vertical Extension

Tilt, Swivel

With the stand attached to the monitor, you can tilt and swivel the monitor for the most comfortable viewing angle.



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



Vertical Extension

NOTE: The stand extends vertically up to 115±5 mm. The figure below illustrates how to extend the stand vertically.





Troubleshooting

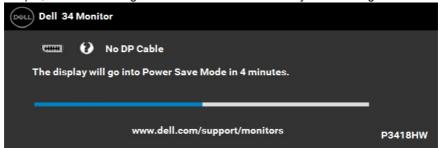
MARNING: Before you begin any of the procedures in this section, follow the Safety Instruction

Self-Test

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

- 1. Turn off both your computer and the monitor.
- 2. Unplug the video cable from the back of the computer.
- **3.** Turn on the monitor.

The floating dialog box should appear on-screen (against a black background) if the monitor cannot sense a video signal and is working correctly. While in self-test mode, the power LED remains white. Also, depending upon the selected input, one of the dialogs shown below will continuously scroll through the screen.



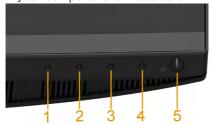
- 4. This box also appears during normal system operation, if the video cable becomes disconnected or damaged. The monitor will enter Power Save Mode after 4 minutes if left at this state.
- 5. Turn off your monitor and reconnect the video cable; then turn on both your computer and the monitor.

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



Built-in Diagnostics

Your monitor has a built-in diagnostic tool that helps you determine if the screen abnormality you are experiencing is an inherent problem with your monitor, or with your computer and video card.



NOTE: You can run the built-in diagnostics only when the video cable is unplugged and the monitor is in self-test mode.

To run the built-in diagnostics:

- 1. Ensure that the screen is clean (no dust particles on the surface of the screen).
- 2. Unplug the video cable(s) from the back of the computer or monitor. The monitor then goes into the self-test mode.
- **3.** Press and hold the **Button 1** on the front panel simultaneously for 2 seconds. A gray screen appears.
- 4. Carefully inspect the screen for abnormalities.
- 5. Press the **Button 1** on the front panel again. The color of the screen changes to red.
- **6.** Inspect the display for any abnormalities.
- 7. Repeat steps 5 and 6 to inspect the display in green, blue, black, white screens.

The test is complete when the Text screen appears. To exit, press the **Button 1** again.

If you do not detect any screen abnormalities upon using the built-in diagnostic tool, the monitor is functioning properly. Check the video card and computer.



Common Problems

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

Common	What You	Possible Solutions
Symptoms	Experience	
No Video/Power LED off	No picture	 Ensure that the video cable connecting the monitor and the computer is properly connected and secure. Verify that the power outlet is functioning properly using any other electrical equipment. Ensure that the power button is pressed fully. Ensure that the correct input source is selected via the Input Source Select button.
No Video/Power LED on	No picture or no brightness	 Increase brightness & contrast controls via OSD. Perform monitor self-test feature check. Check for bent or broken pins in the video cable connector. Ensure that the correct input source is selected via the Input Source Select menu. Run the built-in diagnostics.
Poor Focus	Picture is fuzzy, blurry, or ghosting	Eliminate video extension cables. Reset the monitor to Factory Settings. Change the video resolution to the correct aspect ratio.
Shaky/Jittery Video	Wavy picture or fine movement	Reset the monitor to Factory Settings. Check environmental factors. Relocate the monitor and test in another room.



Missing Pixels	LCD screen has spots	Cycle power on-off. Pixel that is permanently off is a natural defect that can occur in LCD technology. For more information on Dell Monitor Quality and Pixel Policy, see Dell Support site at: http://www.dell.com/support/monitors.
Stuck-on Pixels	LCD screen has bright spots	Cycle power on-off. Pixel that is permanently off is a natural defect that can occur in LCD technology. For more information on Dell Monitor Quality and Pixel Policy, see Dell Support site at: http://www.dell.com/support/monitors .
Brightness Problems	Picture too dim or too bright	 Reset the monitor to Factory Settings. Adjust brightness & contrast controls via OSD.
Geometric Distortion	Screen not centered correctly	Reset the monitor to Factory Settings. Adjust horizontal & vertical controls via OSD
Horizontal/Vertical Lines	Screen has one or more lines	 Reset the monitor to Factory Settings. Perform monitor self-test feature check and determine if these lines are also in self-test mode. Check for bent or broken pins in the video cable connector. Run the built-in diagnostics.



Synchronization Problems	Screen is scrambled or appears torn	 Reset the monitor to Factory Settings. Perform monitor self-test feature check to determine if the scrambled screen appears in self-test mode. Check for bent or broken pins in the video cable connector. Restart the computer in the safe mode.
Safety-Related Issues	Visible signs of smoke or sparks	Do not perform any troubleshooting steps.Contact Dell immediately.
Intermittent Problems	Monitor malfunctions on & off	 Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. Reset the monitor to Factory Settings. Perform monitor self-test feature check to determine if the intermittent problem occurs in self-test mode.
Missing Color	Picture missing color	 Perform monitor self-test feature check. Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. Check for bent or broken pins in the video cable connector.
Wrong Color	Picture color not good	 Change the Preset Modes in the Color menu OSD to Graphics or Video depending on the application. Try different Color Preset Settings in Color OSD. Adjust R/G/B value in Color OSD if the Color Management is turned off. Change the Input Color Format to PC RGB or YPbPr in the Color OSD. Run the built-in diagnostics.



Image retention from	Faint shadow from	· Use the Power Management
a static image left	the static image	feature to turn off the monitor
on the monitor for a	displayed appears on	at all times when not in use (for
long period of time	the screen	more information, see Power
		Management Modes
		· Alternatively, use a dynamically
		changing screensaver.



Product-Specific Problems

Specific	What You	Possible Solutions
Symptoms	Experience	
Screen image is too small	Image is centered on screen, but does not fill entire viewing area	Check the Aspect Ratio setting in the Display OSD.Reset the monitor to Factory Settings.
Cannot adjust the monitor with the buttons on the front panel	OSD does not appear on the screen	 Turn off the monitor, unplug the power cord, plug back, and then turn on the monitor. Check whether the OSD menu is locked. If yes, press and hold the button beside the Power button for 10 seconds to unlock (for more information, see Lock).
No Input Signal when user controls are pressed	No picture, the LED light is white. When you press "up", "down" or "Menu" key, the message "No input signal" will appear.	 Check the signal source. Ensure the computer is not in the power saving mode by moving the mouse or pressing any key on the keyboard. Check whether the signal cable is plugged in properly. Re-plug the signal cable if necessary. Reset the computer or video player.
The picture does not fill the entire screen	The picture cannot fill the height or width of the screen	 Due to different video formats (aspect ratio) of DVDs, the monitor may display in full screen. Run the built-in diagnostics.



Universal Serial Bus (USB) Specific Problems

Common	What You	Possible Solutions
Symptoms	Experience	
USB interface is not working	USB peripherals are not working	Check that your monitor is turned ON. Reconnect the upstream cable to your computer. Reconnect the USB peripherals (downstream connector). Switch off and then turn on the monitor again. Re-start the computer. Some USB devices like external portable HDD require higher electric current; connect the device directly to the computer system.
High Speed USB 3.0 interface is slow.	High Speed USB 3.0 peripherals working slowly or not working at all	 Check that your computer is USB 3.0-capable. Some computers have both USB 3.0 and USB 2.0 and USB 1.1 ports. Ensure that the correct USB port is used. Reconnect the upstream cable to your computer. Reconnect the USB peripherals (downstream connector).
Wireless mouse is not working or lagging	Do not respond or responds slowly	Re-start the computer. Increase the distance between the USB 3.0 peripherals and the wireless USB receiver. Position your wireless USB receiver as close as possible to the wireless mouse. Use a USB-extender cable to position the wireless USB receiver as far away as possible from the USB 3.0 port.



Speakers Specific Problems

Common	What You	Possible Solutions
Symptoms	Experience	
No sound coming from the speakers	Cannot hear any sound	 Turn Off the monitor, unplug the monitor power cord, replug it, and then turn On the monitor. Check the audio cable connection is connected correctly to the computer Audio Line Out port. Unplug the audio cable from the Audio Line Out port. Reset the monitor to factory settings.



Appendix

Safety Instructions

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

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

FCC Notices (U.S. Only) and Other Regulatory Information

For FCC notices and other regulatory information, see the regulatory compliance website located at www.dell.com/regulatory_compliance.

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

- (1) this device may not cause harmful interference
- (2) this device must accept any interference received including interference that may cause undesired operation

Contact Dell

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

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

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area.

- Online technical assistance www.dell.com/support/monitors
- Contacting Dell <u>www.dell.com/contactdell</u>



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