


User's Guide


Dell SE2216H


Dell SE2216HV

Regulatory model: SE2216Hf / SE2216HVf



 **NOTE:** A NOTE indicates important information that helps you make better use of your computer.

 **CAUTION:** A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed.

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

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Contents


About Your Monitor	5
Package Contents	5
Product Features	6
Identifying Parts and Controls	7
Monitor Specifications	9
Plug and Play Capability	12
LCD Monitor Quality & Pixel Policy	16
Maintenance Guidelines	16
Setting Up the Monitor	17
Attaching the Stand	17
Connecting Your Monitor	18
Organizing Your Cables	19
Removing the Monitor Stand	20
Operating the Monitor	21
Power On the Monitor	21
Using the Front-Panel Controls	21
Using the On-Screen Display (OSD) Menu	23
Setting the Maximum Resolution	43
Using the Tilt	45

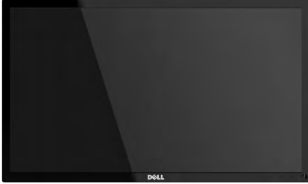





Troubleshooting	46
Self-Test	46
Built-in Diagnostics	47
Common Problems	48
Product-Specific Problems	51
Appendix	52
Safety Instructions	52
FCC Notices (U.S. Only) and Other Regulatory Information	52
Contact Dell	52

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 or media may not be available in certain countries.

	<ul style="list-style-type: none">• Monitor
	<ul style="list-style-type: none">• Stand Riser
	<ul style="list-style-type: none">• Stand Base
	<ul style="list-style-type: none">• Power Cable (varies with countries)
	<ul style="list-style-type: none">• VGA Cable
	<ul style="list-style-type: none">• Drivers and Documentation media• Quick Setup Guide• Safety and Regulatory Information

Product Features

The Dell SE2216H / SE2216HV flat-panel display has an active matrix, Thin-Film Transistor, Liquid Crystal Display and LED backlight. The monitor's features include:

- **SE2216H / SE2216HV:** 54.61 cm (21.5 inches) diagonal viewable image size, 1920 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 adjustment capability.
- Plug and play capability if supported by your system.
- On-Screen Display (OSD) adjustments for ease of set-up and screen optimization.
- Software and documentation media which includes an information file (INF), Image Color Matching File (ICM), and product documentation.
- Dell Display Manager Software
- ENERGY STAR-compliant.
- Security lock slot.
- Capability to switch from wide aspect to standard aspect ratio while maintaining the image quality.
- Asset Management Capability.
- EPEAT Silver rating.
- CECP (for China).
- RoHS compliant.
- BFR/PVC- Reduced.
- TCO Certified Displays.
- High Dynamic Contrast Ratio (8,000,000:1).
- Energy Gauge shows the energy level being consumed by the monitor in real time.
- 0.3 W standby power when in the sleep mode.
- Analog backlight dimming control for flicker free display.

Identifying Parts and Controls

Front View



1.	Function buttons (For more information, see Operating the Monitor)
2.	Power On/Off button (with LED indicator)

NOTE: For displays with glossy bezels the user should consider the placement of the display as the bezel may cause disturbing reflections from surrounding light and bright surfaces.

Back View



Back View with Monitor Stand

Label	Description	Use
1	Security lock slot	Secures monitor with security lock (security lock not included).
2	Barcode serial number label	Refer to this label if you need to contact Dell for technical support.
3	Cable management slot	Use to organize cables by placing them through the slot.

Side View



Bottom View

SE2216H:



Label	Description	Use
1	AC power connector	To connect the monitor power cable.
2	HDMI connector	Connect your computer with HDMI cable.
3	VGA connector	To connect your computer to the monitor using a VGA cable.
4	Regulatory rating label	Lists the regulatory approvals.

SE2216HV:



Label	Description	Use
1	AC power connector	To connect the monitor power cable.
2	VGA connector	To connect your computer to the monitor using a VGA cable.
3	Regulatory rating label	Lists the regulatory approvals.

Monitor Specifications

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

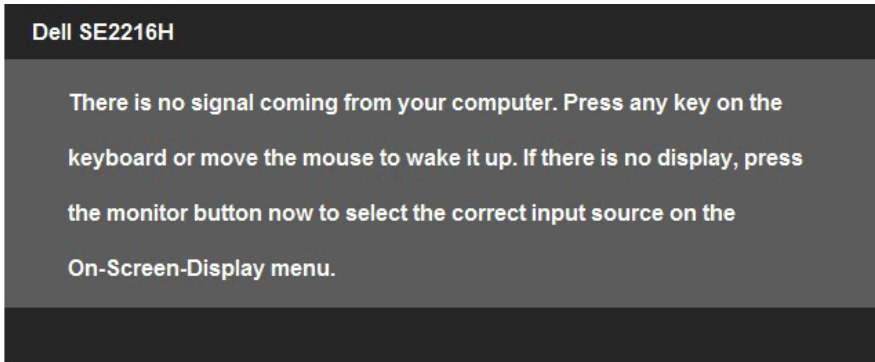
Power Management Modes

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	24 W (Maximum)** 18 W (Typical)
Active-off mode	Inactive	Inactive	Blank	Glowing white	Less than 0.3 W
Switch off	-	-		Off	Less than 0.3 W *

Energy Star	Power Consumption
On Mode	18.2 W***

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:



Dell SE2216HV

There is no signal coming from your computer. Press any key on the keyboard or move the mouse to wake it up.

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

 **NOTE:** The Dell SE2216H / SE2216HV monitor is ENERGY STAR®-compliant.

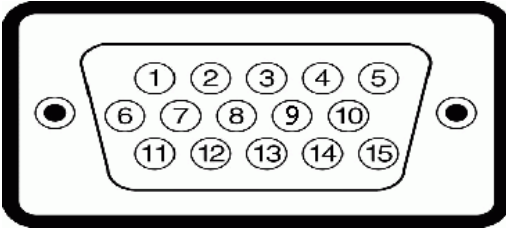


- * Zero-power consumption in OFF mode can only be achieved by disconnecting the main cable from the monitor.
- ** Maximum power consumption with max luminance and contrast.
- *** Energy consumption (On Mode) is tested at 230 Volts / 50 Hz.

This document is informational only and reflects laboratory performance. Your product may perform differently, depending on the software, components and peripherals you ordered and shall have no obligation to update such information. Accordingly, the customer should not rely upon this information in making decisions about electrical tolerances or otherwise. No warranty as to accuracy or completeness is expressed or implied.

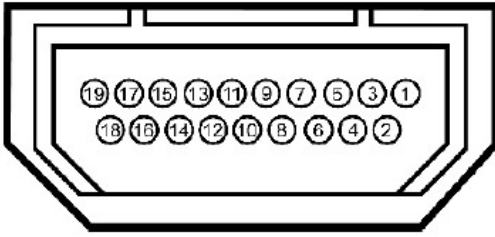
Pin Assignments

15-pin D-Sub connector



Pin Number	Monitor Side of the 15-pin Side 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	DDC +5 V
10	GND-sync
11	GND
12	DDC data
13	H-sync
14	V-sync
15	DDC clock

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	No Connection
14	No Connection
15	DDC CLOCK (SDA)
16	DDC DATA (SDA)
17	GND
18	+5 V POWER
19	HOT PLUG DETECT

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.

Flat-Panel Specifications

Model number	SE2216H / SE2216HV
Screen type	Active matrix - TFT LCD
Panel Type	Vertical Alignment
Viewable image	
Diagonal	546.1 mm (21.5 inches)
Horizontal Active Area	476.064 mm (18.74 inches)
Vertical Active Area	267.786 mm (10.54 inches)
Area	127483.27 mm ² (197.52 inches ²)
Pixel pitch	0.24795 x 0.24795 mm
Viewing angle:	
Horizontal	178° typical
Vertical	178° typical
Luminance output	250 cd/m ² (typical)
Contrast ratio	3000 to 1 (typical)
Dynamic Contrast ratio	8,000,000 to 1 (typical) *
Faceplate coating	Antiglare with hard-coating 3H
Backlight	LED light bar system
Response Time	12 ms typical (grey to grey)
Color Depth	16.7 mil colors
Color Gamut	84 % (typical) **

* Based on estimation.

** SE2216H / SE2216HV color gamut (typical) is based on CIE1976 (84 %) and CIE1931 (72 %) test standards.

Resolution Specifications

Model number	SE2216H / SE2216HV
Scan range <ul style="list-style-type: none"> • Horizontal • Vertical 	30 kHz to 83 kHz (automatic) 56 Hz to 76 Hz (automatic)
Maximum preset resolution	1920 x 1080 at 60 Hz

Electrical Specifications

Model number	SE2216H	SE2216HV
Video input signals	<ul style="list-style-type: none"> • Analog RGB: 0.7 Volts \pm 5 %, 75 ohm input impedance • HDMI, 600mV for each differential line, 100 ohm input impedance per differential pair 	<ul style="list-style-type: none"> • Analog RGB: 0.7 Volts \pm 5 %, 75 ohm input impedance
Synchronization input signals	Separate horizontal and vertical synchronizations, polarity-free TTL level, SOG (Composite SYNC on green)	
AC input voltage / frequency / current	100 VAC to 240 VAC / 50 Hz or 60 Hz \pm 3 Hz / 1.0 A (typical)	
Inrush current	120 V: 30 A (Max.) 240 V: 60 A (Max.)	

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	+/+

Physical Characteristics

The following table lists the monitor's physical characteristics:

Model Number	SE2216H	SE2216HV
Connector type	<ul style="list-style-type: none"> 15-pin D-subminiature (Black connector); HDMI 	<ul style="list-style-type: none"> 15-pin D-subminiature (Black connector)
Signal cable type	<ul style="list-style-type: none"> Analog: D-Sub, 15 pins; Digital: HDMI, 19 pins (cable not included) 	<ul style="list-style-type: none"> Analog: D-Sub, 15 pins
Dimensions: (with stand)		
Height	395.7 mm (15.58 inches)	395.7 mm (15.58 inches)
Width	506.2 mm (19.93 inches)	506.2 mm (19.93 inches)
Depth	179.9 mm (7.08 inches)	179.9 mm (7.08 inches)
Dimensions: (without stand)		
Height	302.7 mm (11.92 inches)	302.7 mm (11.92 inches)
Width	506.2 mm (19.93 inches)	506.2 mm (19.93 inches)
Depth	54.7 mm (2.15 inches)	54.7 mm (2.15 inches)
Stand dimensions:		
Height	174.7 mm (6.8 inches)	174.7 mm (6.8 inches)
Width	250.0 mm (9.84 inches)	250.0 mm (9.84 inches)
Depth	179.9 mm (7.08 inches)	179.9 mm (7.08 inches)
Weight:		
Weight with packaging	4.80 kg (10.58 lb)	4.80 kg (10.58 lb)
Weight with stand assembly and cables	3.61 kg (7.96 lb)	3.61 kg (7.96 lb)
Weight without stand assembly (no cables)	2.78 kg (6.13 lb)	2.78 kg (6.13 lb)
Weight of stand assembly	0.54 kg (1.19 lb)	0.54 kg (1.19 lb)

Environmental Characteristics

The following table lists the environmental conditions for your monitor:

Model Number	SE2216H / SE2216HV
Temperature <ul style="list-style-type: none">• Operating• Non-operating	0 °C to 40 °C (32 °F to 104 °F) Storage: -20 °C to 60 °C (-4 °F to 140 °F) Shipping: -20 °C to 60 °C (-4 °F to 140 °F)
Humidity <ul style="list-style-type: none">• Operating• Non-operating	10 % to 80 % (non-condensing) Storage: 5 % to 90 % (non-condensing) Shipping: 5 % to 90 % (non-condensing)
Altitude <ul style="list-style-type: none">• Operating• Non-operating	5,000 m (16,404 ft) max 12,191 m (40,000 ft) max
Thermal dissipation	81.9 BTU/hour (maximum) 61.4 BTU/hour (typical)

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.**


 **CAUTION: 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:

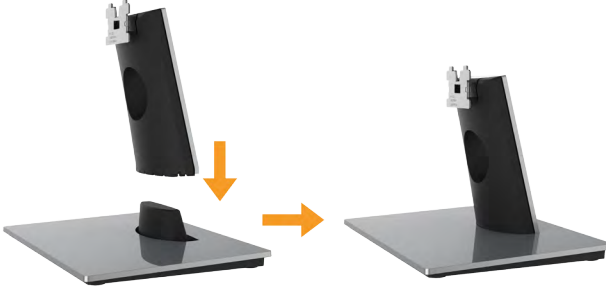
- To clean your antistatic screen, slightly dampen a soft, clean cloth with water. If possible, use a special screen-cleaning tissue or solution suitable for the antistatic coating. Do not use benzene, thinner, ammonia, abrasive cleaners, or compressed air.
- Use a slightly dampened, warm cloth to clean 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 base is detached when the monitor is shipped from the factory.

1. Assemble the stand riser to stand base.



- a. Place the monitor stand base on a stable table top.
 - b. Slide the monitor stand body in the correct direction down onto the stand base until it clicks into place.
2. Attach the stand assembly to the monitor:



- a. Place the monitor on a soft cloth or cushion near the edge of desk.
- b. Align the stand assembly bracket to the monitor groove.
- c. Insert the bracket towards monitor until it locks in place.

Connecting Your Monitor

⚠ WARNING: 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 black VGA or HDMI cable to the corresponding video port on the back of your computer. Do not use all cables at the same time. Use the all cables only when they are connected to different computers with appropriate video systems.

Connecting VGA Cable

SE2216H:



SE2216HV:



Connecting HDMI cable (Optional Purchase) (for SE2216H)



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: 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.



1. Use a long screwdriver to push the release latch located in a hole just above the stand.
2. Once the latch is released, remove the base away from the monitor.

Operating the Monitor

Power On the Monitor

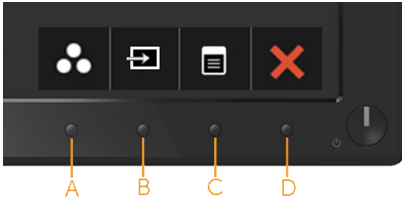
Press the  button to turn on the monitor.







Using the Front-Panel Controls

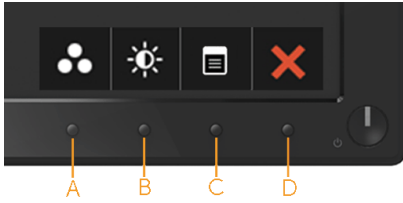
Use the keys on the front of the monitor to adjust the image settings.





SE2216H:



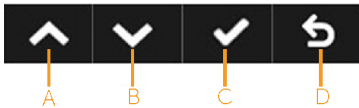
Front-Panel Keys	Description
A  Preset modes	Use the Preset modes key to choose from a list of preset color modes. See Using the OSD Menu .
B  Input Source	Use the Input Source key to select between different video signals that may be connected to your monitor. <ul style="list-style-type: none">• VGA input• HDMI input
C  Menu	Use the Menu key to open the on-screen display (OSD).
D  Exit	Use the Exit key to exit on-screen display (OSD) from menu and sub-menus.





SE2216HV:



Front-Panel Keys	Description
A  Preset modes	Use the Preset modes key to choose from a list of preset color modes. See Using the OSD Menu .
B  Brightness / Contrast	Use the Brightness / Contrast key to direct access to the "Brightness" and "Contrast" control menu.
C  Menu	Use the Menu key to open the on-screen display (OSD).
D  Exit	Use the Exit key to exit on-screen display (OSD) from menu and sub-menus.

Front-Panel Keys



Front-Panel Keys	Description
A  Up	Use the Up key to adjust (increase ranges) items in the OSD menu.
B  Down	Use the Down key to adjust (decrease ranges) items in the OSD menu.
C  OK	Use the OK key to confirm your selection.
D  Back	Use the Back key to go back to the previous menu.

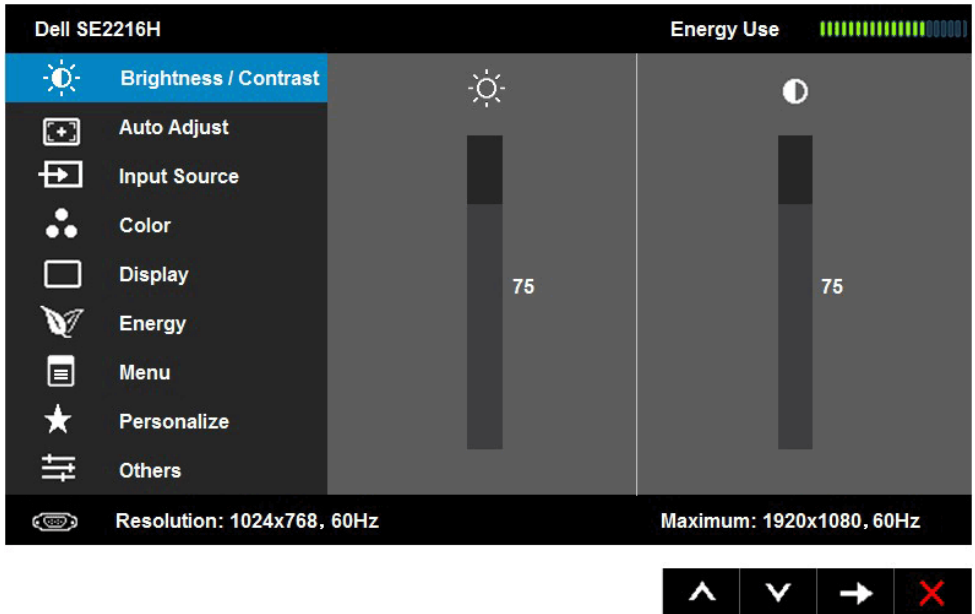
Using the On-Screen Display (OSD) Menu

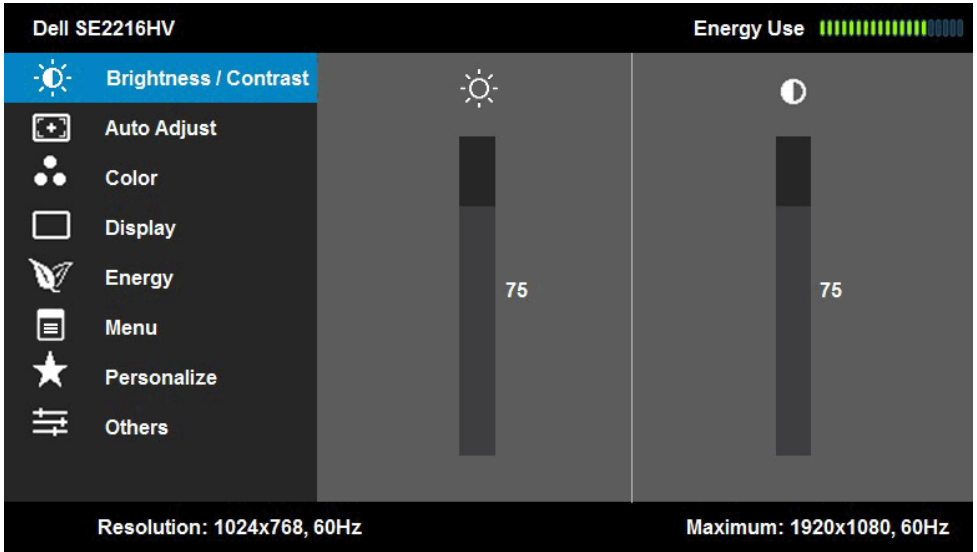
Accessing the Menu System


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 **OSD** button to open the OSD menu and display the main menu.

Main Menu



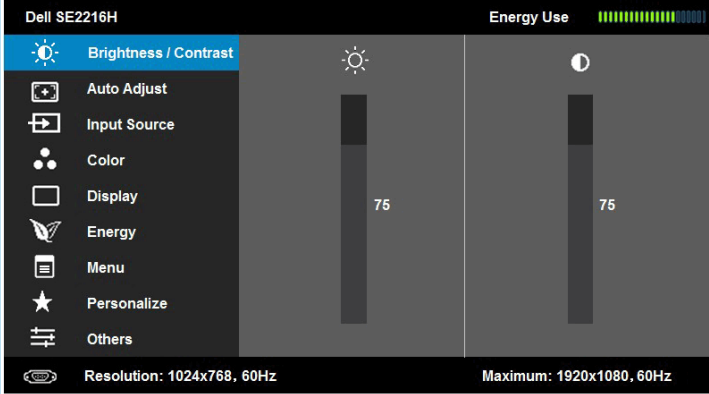
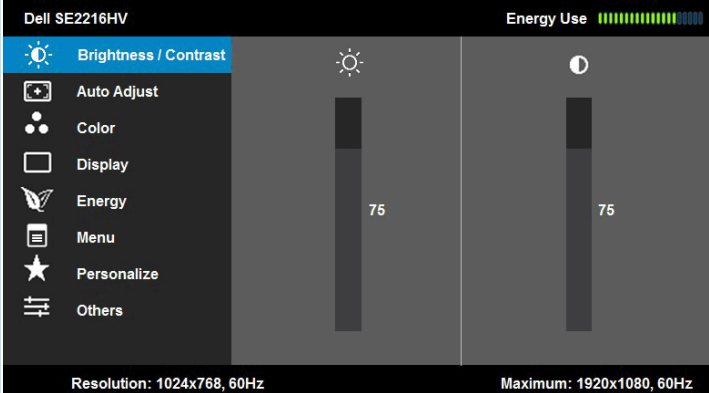








 **NOTE:** Auto Adjust is only available when you use the analog (VGA) connector.

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.

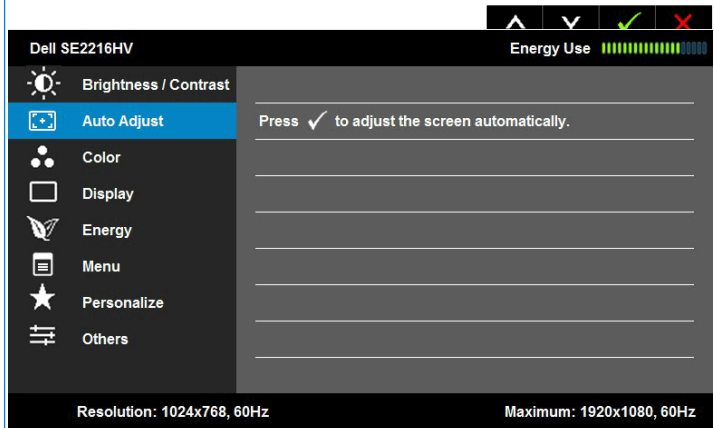
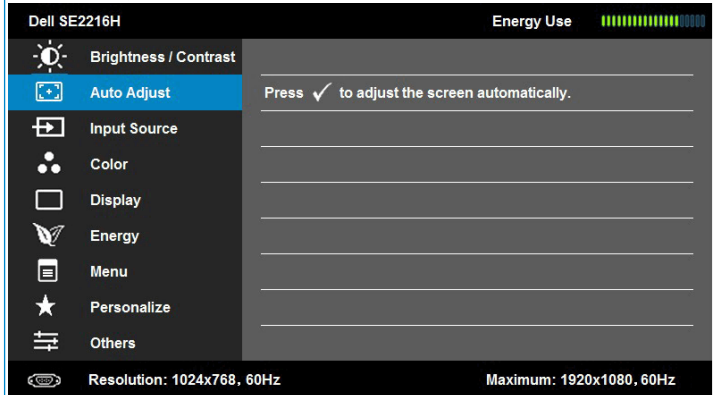
The table below provides a list of all the OSD menu options and their functions.

Icon	Menu and Submenus	Description
	Energy Use	This meter shows the energy level being consumed by the monitor in real time.
	Brightness/ Contrast	Use the Brightness and Contrast menu to adjust the Brightness/ Contrast.  
	Brightness	Allows you to adjust the brightness or luminance of the backlight. Press the  key to increase brightness and press the  key to decrease brightness (min 0 ~ max 100).
	Contrast	Allows you to adjust the contrast or the degree of difference between darkness and lightness on the monitor screen. Adjust brightness first, and adjust contrast only if you need further adjustment. Press the  key to increase contrast and press the  key to decrease contrast (min 0 ~ max 100).



Auto Adjust

Use this key to activate automatic setup and adjust menu.



The following dialog appears on a black screen as the monitor self-adjusts to the current input:

Auto Adjustment in Progress...

Auto Adjustment allows the monitor to self-adjust to the incoming video signal. After using Auto Adjustment, you can further tune your monitor by using the Pixel Clock (Coarse) and Phase (Fine) controls under **Display**.

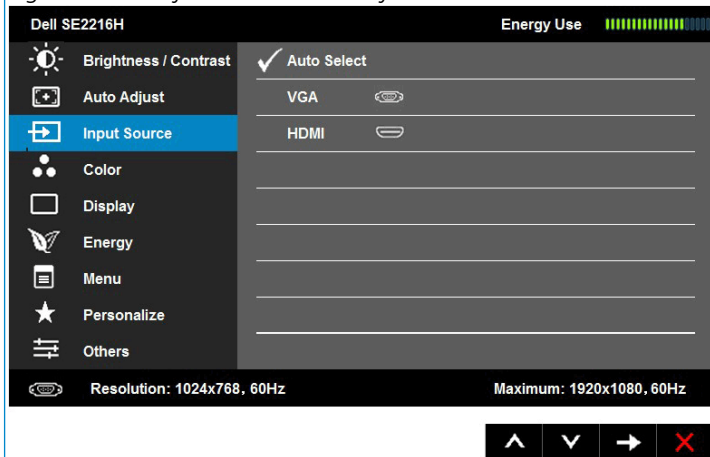
NOTE: Auto Adjust does not occur if you press the button while there are no active video input signals or attached cables.

This option is only available when you are using the analog (VGA) connector.



Input Source (for SE2216H)


Use the **Input Source** menu to select between different video signals that may be connected to your monitor.




Auto Select

Select **Auto Select** to scan for available input signals.

VGA

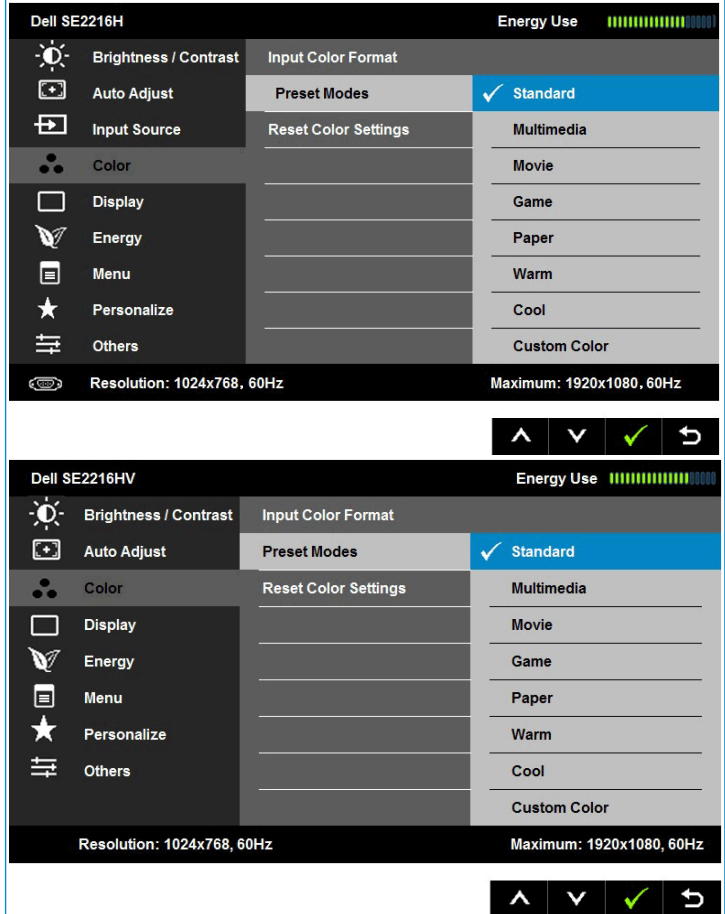
Select **VGA** input when you are using the analog (VGA) connector. Push  to select the VGA Input Source .

HDMI


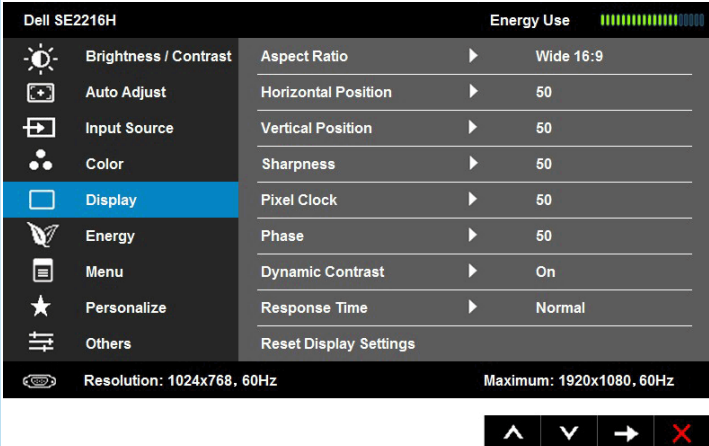
Select **HDMI** input when you are using the HDMI connector. Push  to select the HDMI Input Source .

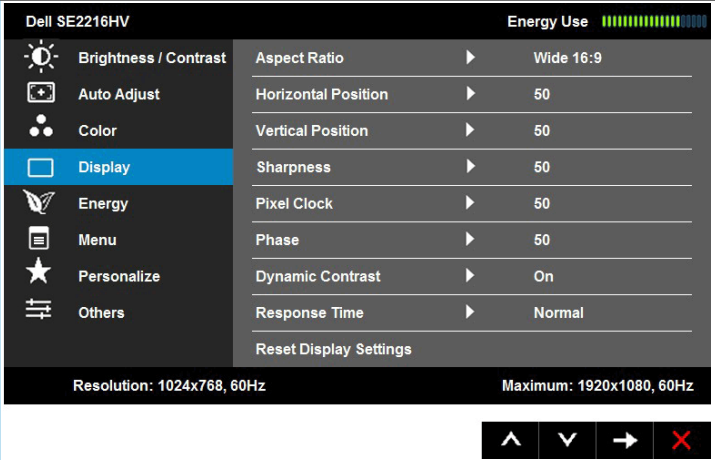










Preset Modes

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



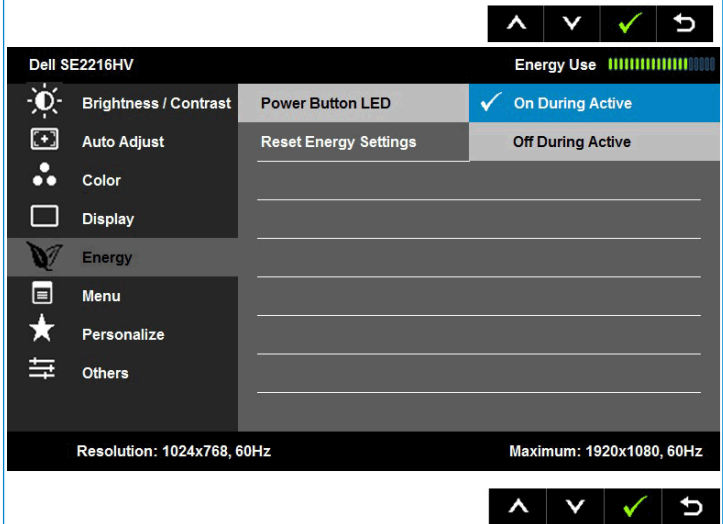
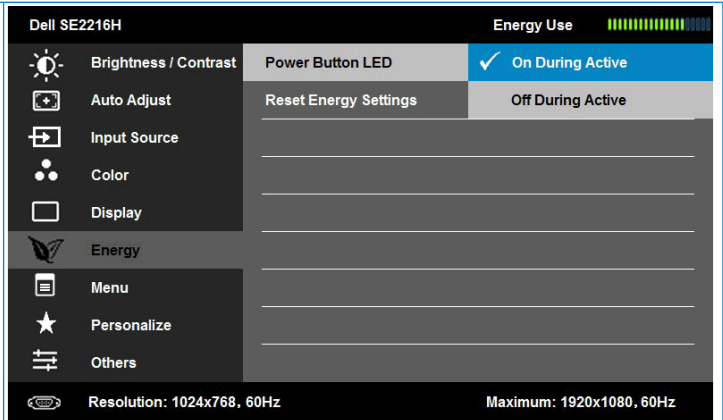
- **Standard:** Loads the monitor's default color settings. This is the default preset mode.
- **Multimedia:** Loads color settings ideal for multimedia applications.
- **Movie:** Loads color settings ideal for movies.
- **Game:** Loads color settings ideal for most gaming applications.
- **Paper:** Loads brightness and sharpness settings ideal for viewing text. Blend the text background to simulate paper media without affecting color images. Applies to RGB input format only.
- **Warm:** Increases the color temperature. The screen appears warmer with a red/yellow tint.
- **Cool:** Decreases the color temperature. The screen appears cooler with a blue tint.

		<ul style="list-style-type: none"> • Custom Color: Allows you to manually adjust the color settings. Press the ▲ and ▼ keys to adjust the Red, Green, and Blue values and create your own preset color mode.
	<p>Hue</p>	<p>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'.</p> <p>Press ▲ to increase the monochrome appearance of the video image.</p> <p>Press ▼ to increase the colorful appearance of the video image.</p> <p>NOTE: Hue adjustment is available only when you select Movie or Game preset mode.</p>
	<p>Saturation</p>	<p>This feature can adjust the color saturation of the video image. Use ▲ or ▼ to adjust the saturation from '0' to '100'.</p> <p>Press ▲ to increase the monochrome appearance of the video image.</p> <p>Press ▼ to increase the colorful appearance of the video image.</p> <p>NOTE: Saturation adjustment is available only when you select Movie or Game preset mode.</p>
	<p>Reset Color Settings</p>	<p>Resets your monitor's color settings to the factory defaults.</p>
	<p>Display</p>	<p>Use the Display menu to adjust the monitor's display settings.</p> 

	
Aspect Ratio	<p>Adjusts the image ratio as Wide 16:9, 4:3, or 5:4.</p> <p>NOTE: Wide 16:9 adjustment is not required at maximum preset resolution 1920 x 1080.</p>
Horizontal Position	<p>Use  or  the buttons to adjust image left and right. Minimum is '0' (-). Maximum is '100' (+).</p>
Vertical Position	<p>Use the  or  buttons to adjust image up and down. Minimum is '0' (-). Maximum is '100' (+).</p> <p>NOTE: Horizontal Position and Vertical Position adjustments adjustment are only available for VGA input.</p>
Sharpness	<p>This feature can make the image look sharper or softer. Use  or  to adjust the sharpness from '0' to '100'.</p>
Pixel Clock	<p>The Phase and Pixel Clock adjustments allow you to adjust your monitor to your preference. Use  or  buttons to adjust for best image quality.</p>
Phase	<p>If satisfactory results are not obtained using the Phase adjustment, use the Pixel Clock (coarse) adjustment and then use Phase (fine), again.</p> <p>NOTE: Pixel Clock and Phase adjustment are only available for VGA input.</p>
Dynamic Contrast	<p>Allows you to increase the level of contrast to provide sharper and more detailed image quality.</p> <p>Press the  or  button to select the Dynamic Contrast "On" or "Off".</p> <p>NOTE: Dynamic Contrast provides higher contrast if you select Game or Movie preset mode.</p>
Response Time	<p>Allows you to set the Response Time to Normal or Fast.</p>
Reset Display Settings	<p>Select this option to restore default display settings.</p>



Energy



Power Button LED

Allows you to set the power LED indicator on or off during active to save energy.

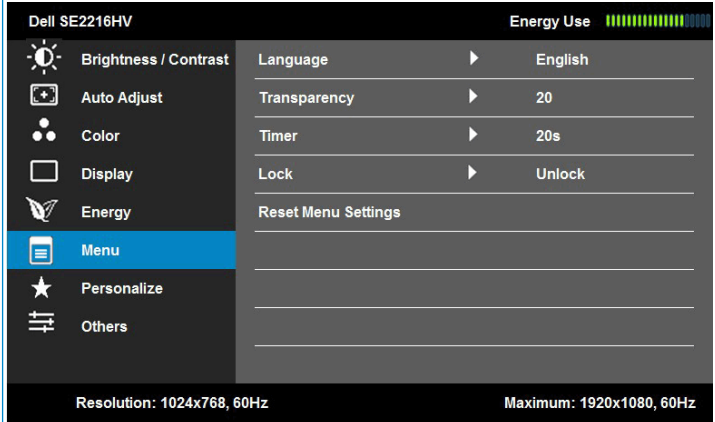
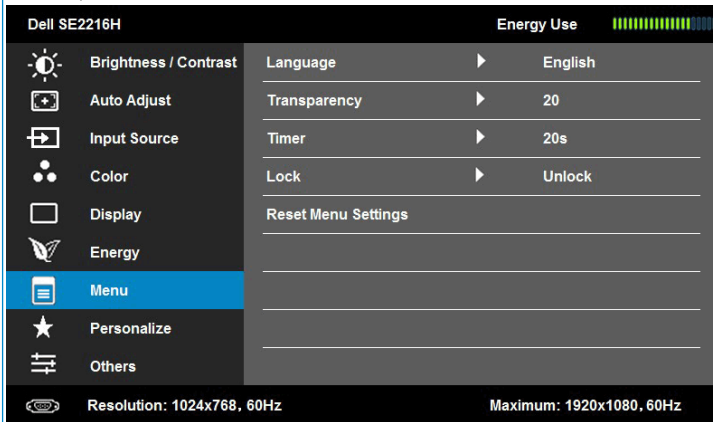
Reset Energy Settings

Select this option to restore default Energy Settings.



Menu

Select this option to adjust the settings of the OSD such as, the languages of the OSD, the amount of time the menu remains on screen, and so on.



Language




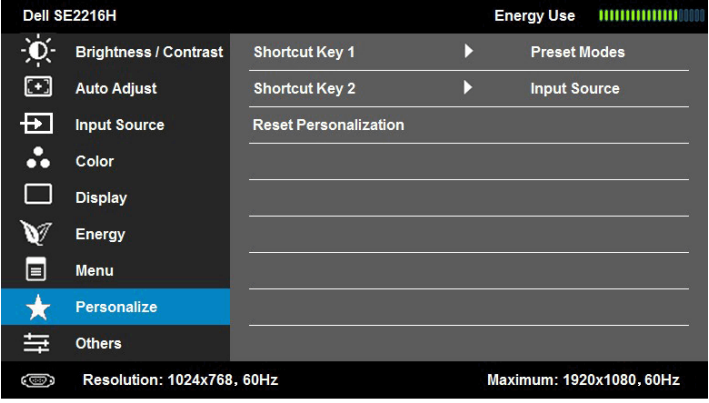
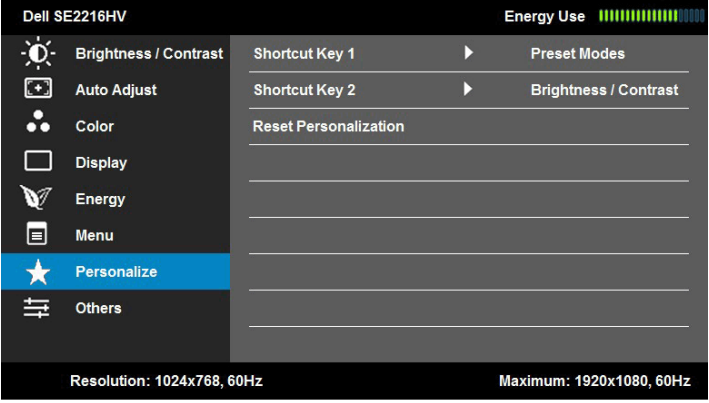
Allows you to set the OSD display to one of eight languages: English, Spanish, French, German, Brazilian Portuguese, Russian, Simplified Chinese, or Japanese.

Transparency

Allows you to adjust the OSD background from opaque to transparent.

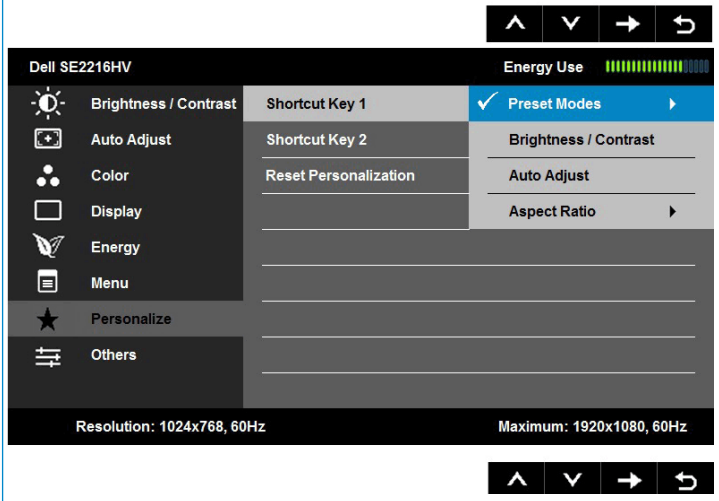
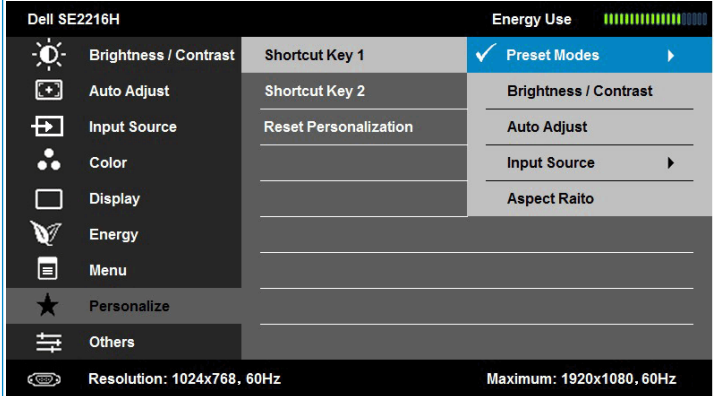
Timer

Allows you to set the time for which the OSD remains active after you press a key on the monitor.
Use the and keys to adjust the slider in 1 second increments, from 5 to 60 seconds.

	<p>Lock</p>	<p>Controls user access to adjustments. When Lock is selected, no user adjustments are allowed. All keys are locked except  key.</p> <p>NOTE: When the OSD is locked, pressing the menu key takes you directly to the OSD settings menu, with 'OSD Lock' pre-selected on entry. Press and hold  key for 10 seconds to unlock and allow user access to all applicable settings.</p>
	<p>Reset Menu Settings</p>	<p>Select this option to restore default menu settings.</p>
	<p>Personalize</p>	<p>Selecting this option allows you to set two shortcut keys.</p>  <p>The screenshot shows the 'Personalize' menu for a Dell SE2216H monitor. The 'Personalize' option is highlighted in blue. The menu items are: Brightness / Contrast, Auto Adjust, Input Source, Color, Display, Energy, Menu, Personalize, and Others. The 'Personalize' option is selected, and the right side of the screen shows the 'Shortcut Key 1' and 'Shortcut Key 2' settings. The 'Shortcut Key 1' is set to 'Preset Modes' and the 'Shortcut Key 2' is set to 'Input Source'. There is also a 'Reset Personalization' option. The bottom of the screen shows the resolution: 1024x768, 60Hz and the maximum resolution: 1920x1080, 60Hz. There are navigation arrows at the bottom right.</p>  <p>The screenshot shows the 'Personalize' menu for a Dell SE2216HV monitor. The 'Personalize' option is highlighted in blue. The menu items are: Brightness / Contrast, Auto Adjust, Color, Display, Energy, Menu, Personalize, and Others. The 'Personalize' option is selected, and the right side of the screen shows the 'Shortcut Key 1' and 'Shortcut Key 2' settings. The 'Shortcut Key 1' is set to 'Preset Modes' and the 'Shortcut Key 2' is set to 'Brightness / Contrast'. There is also a 'Reset Personalization' option. The bottom of the screen shows the resolution: 1024x768, 60Hz and the maximum resolution: 1920x1080, 60Hz. There are navigation arrows at the bottom right.</p>

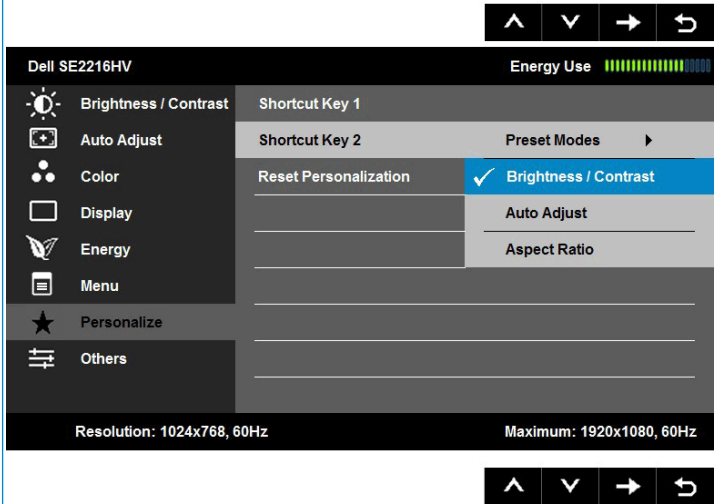
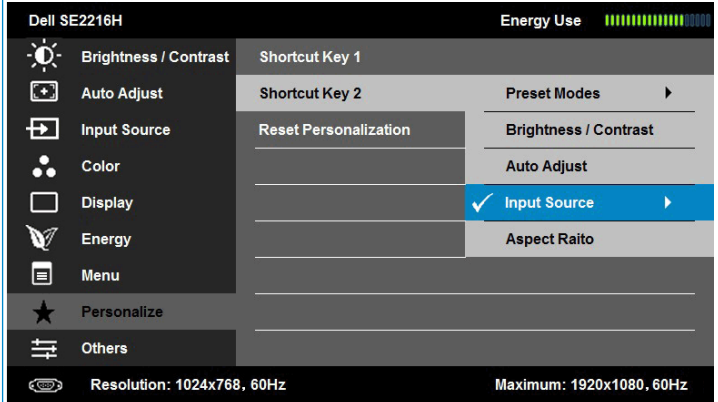
Shortcut Key 1

User can select from "Preset Modes", "Brightness/Contrast", "Auto Adjust", "Input Source (for SE2216H)", "Aspect Ratio" and set as shortcut key.



Shortcut Key 2

User can select from "Preset Modes", "Brightness/Contrast", "Auto Adjust", "Input Source (for SE2216H)", "Aspect Ratio" and set as shortcut key.



Reset Personalization

Allows you to restore shortcut key to the default setting.



Others

Dell SE2216H Energy Use

- Brightness / Contrast
- Auto Adjust
- Input Source
- Color
- Display
- Energy
- Menu
- Personalize
- Others**

DDC/CI ▶ Enable

LCD Conditioning ▶ Disable

Reset Other Settings

Factory Reset Reset All Settings

Resolution: 1024x768, 60Hz Maximum: 1920x1080, 60Hz

▲ ▼ → ✖

Dell SE2216HV Energy Use

- Brightness / Contrast
- Auto Adjust
- Color
- Display
- Energy
- Menu
- Personalize
- Others**

DDC/CI ▶ Enable

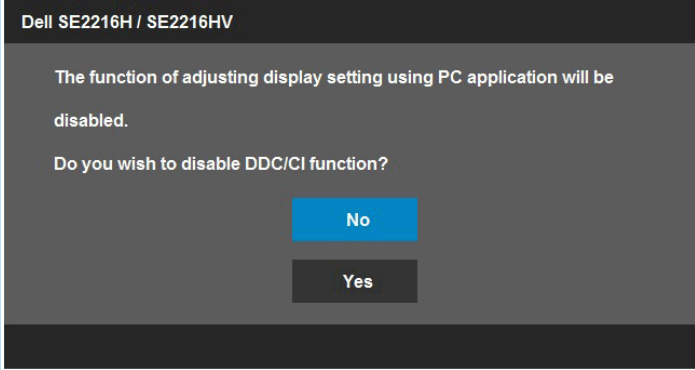
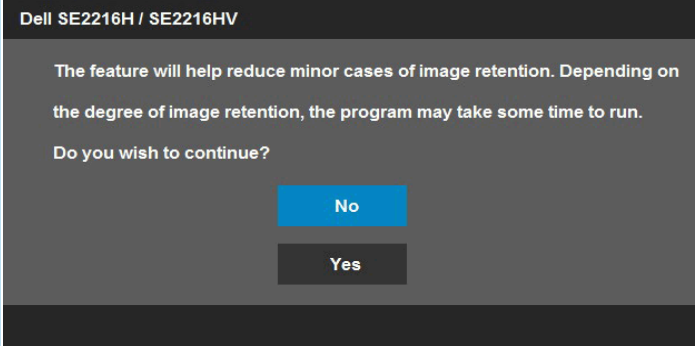
LCD Conditioning ▶ Disable

Reset Other Settings

Factory Reset Reset All Settings

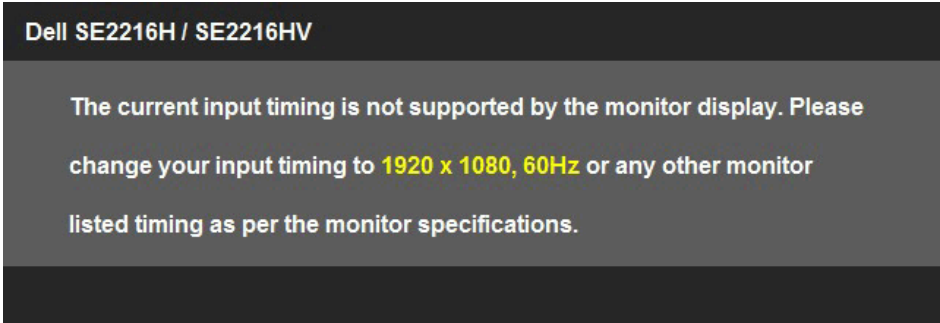
Resolution: 1024x768, 60Hz Maximum: 1920x1080, 60Hz

▲ ▼ → ✖

<p>DDC/CI</p>	<p>DDC/CI (Display Data Channel/Command Interface) allows a software on your computer to adjust the monitor display settings like the brightness, color balance etc.</p> <p>Enable (Default): Optimizes the performance of your monitor and provides a better customer experience.</p> <p>Disable: Disables the DDC/CI option and the following message appears on the screen.</p> 
<p>LCD Conditioning</p>	<p>This feature will help reduce minor cases of image retention. If an image appears to be stuck on the monitor, select LCD Conditioning to help eliminate any image retention. Using the LCD Conditioning feature may take some time. LCD Conditioning feature cannot remove severe cases of image retention or burn-in.</p> <p>NOTE: Use LCD Conditioning only when you experience a problem with image retention.</p> <p>The below warning message appears once user selects "Enable" LCD Conditioning.</p> 
<p>Reset Other Settings</p>	<p>Select this option to restore default other settings, such as DDC/CI.</p>
<p>Factory Reset</p>	<p>Resets all OSD settings to the factory preset values.</p>

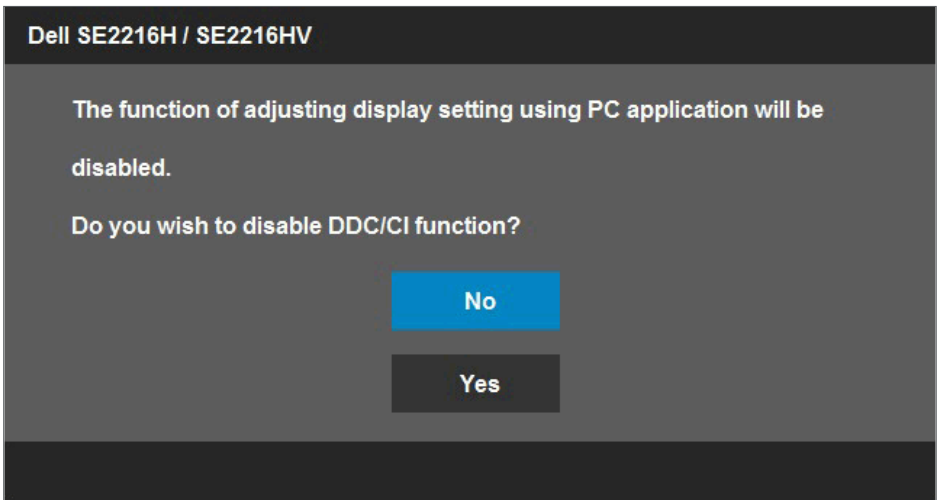
OSD Messages

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

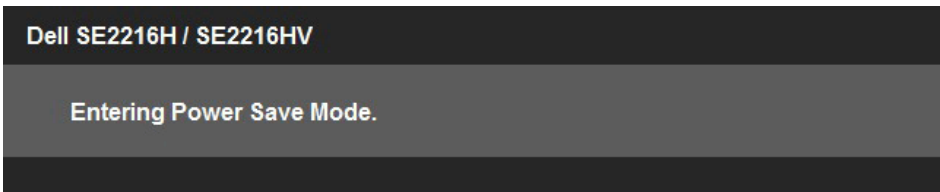


This means that the monitor cannot synchronize with the signal that it is receiving from the computer. See **Monitor Specifications** for the horizontal and vertical frequency ranges addressable by this monitor. Recommended mode is 1920 x 1080.

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 **OSD**.

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

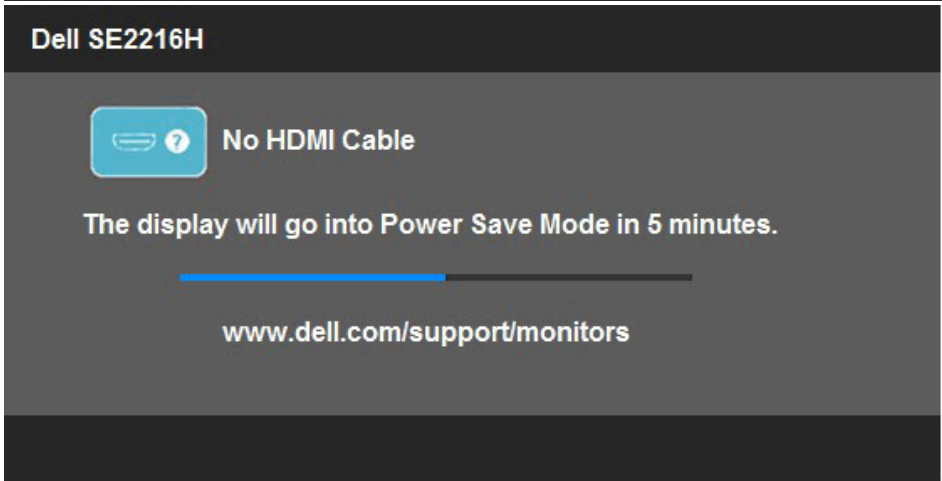
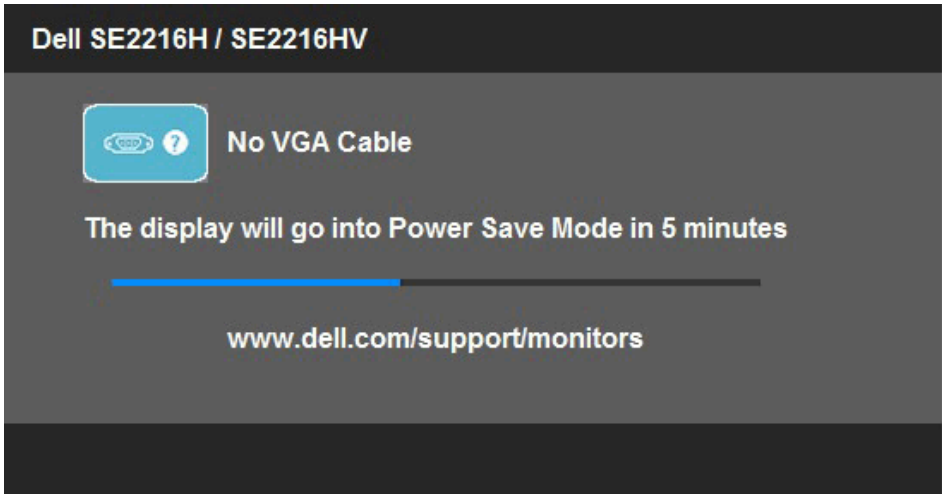
Dell SE2216H

There is no signal coming from your computer. Press any key on the keyboard or move the mouse to wake it up. If there is no display, press the monitor button now to select the correct input source on the On-Screen-Display menu.

Dell SE2216HV

There is no signal coming from your computer. Press any key on the keyboard or move the mouse to wake it up.

If VGA or HDMI cable is not connected, a floating dialog box as shown below appears. The monitor will enter **Power Save Mode after 5 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 1920 x 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 1920 x 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 1920 x 1080.
4. Click **Apply**.

If you do not see 1920 x 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

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

2: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 1920 x 1080 again.



NOTE: If you are unable to set the resolution to 1920 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**.
4. 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 1920 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 1920 x 1080 again.




NOTE: If you are unable to set the resolution to 1920 x 1080, please contact the manufacturer of your computer or consider purchasing a graphics adapter that will support the video resolution of 1920 x 1080 .

Using the Tilt

Tilt

With the stand assembly, you can tilt the monitor for the most comfortable viewing angle.



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

Troubleshooting

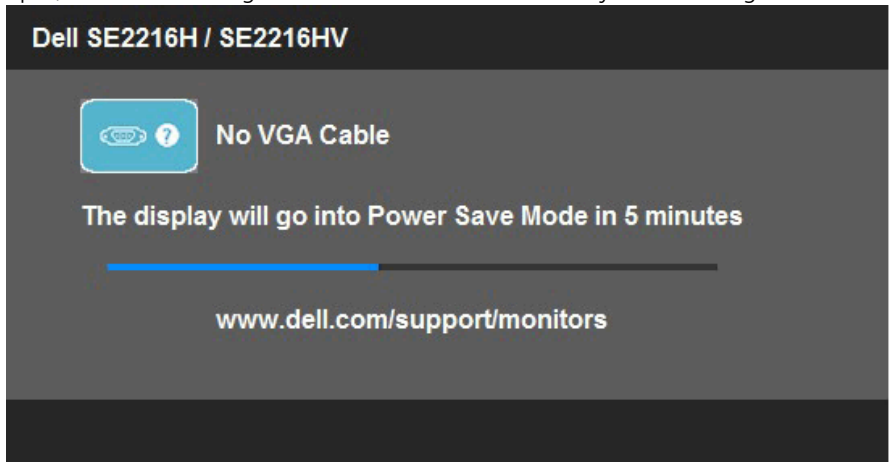
⚠ WARNING: Before you begin any of the procedures in this section, follow the Safety Instruction

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. To ensure proper Self-Test operation, remove both VGA and HDMI cables from the back of computer.
3. Turn on the monitor.

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

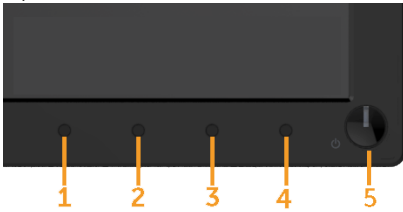



4. This box also appears during normal system operation, if the video cable becomes disconnected or damaged. The monitor will enter **Power Save Mode after 5 minutes** if left at this state.
5. Turn off your monitor and reconnect the video cable; then turn on both your computer and the monitor.

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** and **Button 4** on the front panel simultaneously for 2 seconds. A gray screen appears.
4. Carefully inspect the screen for abnormalities.
5. Press the **Button 4** 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 4** again.

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

Common Problems


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

Common Symptoms	What You Experience	Possible Solutions
No Video/Power LED off	No picture	<ul style="list-style-type: none"> • 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 depressed fully. • Ensure that the correct Input Source is selected via the Input Source) Select button. • Check the "Power LED Button" option under Energy in OSD Menu.
No Video/Power LED on	No picture or no brightness	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Perform Auto Adjust via OSD. • Adjust the Phase and Pixel Clock controls via OSD. • Eliminate video extension cables. • Reset the monitor to Factory Settings. • Change the video resolution to the correct aspect ratio (16:9).
Shaky/Jittery Video	Wavy picture or fine movement	<ul style="list-style-type: none"> • Perform Auto Adjust via OSD. • Adjust the Phase and Pixel Clock controls via OSD. • Reset the monitor to Factory Settings. • Check environmental factors. • Relocate the monitor and test in another room.

Missing Pixels	LCD screen has spots	<ul style="list-style-type: none"> • Cycle power on-off. • Pixel that is permanently off is a natural defect that can occur in LCD technology. <p>For more information on Dell Monitor Quality and Pixel Policy, see Dell Support site at: http://www.dell.com/support/monitors.</p>
Stuck-on Pixels	LCD screen has bright spots	<ul style="list-style-type: none"> • Cycle power on-off. • Pixel that is permanently off is a natural defect that can occur in LCD technology. <p>For more information on Dell Monitor Quality and Pixel Policy, see Dell Support site at: http://www.dell.com/support/monitors.</p>
Brightness Problems	Picture too dim or too bright	<ul style="list-style-type: none"> • Reset the monitor to Factory Settings. • Auto Adjust via OSD. • Adjust brightness & contrast controls via OSD.
Geometric Distortion	Screen not centered correctly	<ul style="list-style-type: none"> • Reset the monitor to Factory Settings. • Auto Adjust via OSD. • Adjust brightness & contrast controls via OSD. <p>NOTE: When using 'HDMI', the positioning adjustments are not available.</p>
Horizontal/Vertical Lines	Screen has one or more lines	<ul style="list-style-type: none"> • Reset the monitor to Factory Settings. • Perform Auto Adjust via OSD. • Adjust Phase and Pixel Clock controls via OSD. • Perform monitor self-test feature check and determine if these lines are also in self-test mode. • Check for bent or broken pins in the video cable connector. <p>NOTE: When using 'HDMI', the Pixel Clock and Phase adjustments are not available.</p>

Synchronization Problems	Screen is scrambled or appears torn	<ul style="list-style-type: none"> • Reset the monitor to Factory Settings. • Perform Auto Adjust via OSD. • Adjust Phase and Pixel Clock controls via OSD. • Perform monitor self-test feature check to determine if 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	<ul style="list-style-type: none"> • Do not perform any troubleshooting steps. • Contact Dell immediately.
Intermittent Problems	Monitor malfunctions on & off	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Change the Color Setting Mode in the Color Settings OSD to Graphics or Video depending on the application. • Try different Color Preset Settings in Color Settings OSD. Adjust R/G/B value in Color Settings OSD if the Color Management is turned off. • Change the Input Color Format to PC RGB or YPbPr in the Advance Setting OSD.

Image retention from a static image left on the monitor for a long period of time	Faint shadow from the static image displayed appears on the screen	<ul style="list-style-type: none"> • Use the Power Management feature to turn off the monitor at all times when not in use (for more information, see Power Management Modes). • Alternatively, use a dynamically changing screensaver.
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 **NOTE:** When choosing HDMI mode, the Auto Adjust function is not available.

Product-Specific Problems

Specific Symptoms	What You Experience	Possible Solutions
Screen image is too small	Image is centered on screen, but does not fill entire viewing area	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Due to different video formats (aspect ratio) of DVDs, the monitor may display in full screen. • Run the built-in diagnostics.

Appendix

Safety Instructions

 **WARNING:** 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.

To get online monitor support content:

1. Visit www.dell.com/support/monitors

To contact Dell for sales, technical support, or customer service issues:

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

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