User's Guide
Dell P4317Q

Model No.: P4317Q

Regulatory model: P4317Qc

Notes, cautions, and warnings

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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About your monitor

Package contents

Your monitor ships with the components shown below. Ensure that you have received all the components and Contacting Dell if something 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.

NOTE: To set up with any other stand, please refer to the respective stand setup guide for setup instructions.

	• Monitor
	• Stand riser
	• Stand base
	• VESA cover
	• Power cable (varies by countries)
	• HDMI cable

	• mDP to DP cable
	• DP to DP cable
	• USB 3.0 upstream cable (enables the USB ports on the monitor)
	• Drivers and Documentation Guide • Quick Setup Guide • Safety and Regulatory Information

Product features

The **Dell P4317Q** flat panel display has an active matrix, Thin-Film Transistor (TFT), Liquid Crystal Display (LCD), and LED backlight. The monitor features include:

- 107.98 cm (42.51 inch) viewable area display (measured diagonally). 3840 x 2160 resolution, plus full-screen support for lower resolutions.
- Plug and play capability if supported by your system.
- VGA and HDMI (MHL) and DP and mDP connectivity makes it simple and easy to connect with legacy and new system.
- Build-in Speaker (8W x 2).
- On-Screen Display (OSD) adjustments for ease of set-up and screen optimization.
- Software and documentation media includes an Information File (INF), Image Color Matching File (ICM), and product documentation.
- Dell Display Manager Software included (in the CD shipped with the monitor).
- Support PIP and PBP Function.

Monitor specifications

Model	P4317Q
Screen type	Active matrix - TFT LCD
Panel type	In-plane Switching
Viewable image	
Bezel width	566.40 mm (22.30 in)
Diagonal	107.98 cm (42.51 in)
Horizontal, Active Area	941.18 mm (37.05 in)
Vertical, Active Area	529.42 mm (20.84 in)
Area	1274.79 cm^2 (197.59 inch^2)
Pixel pitch	0.2451 x 0.2451 mm
Viewing angle (vertical / horizontal)	178° / 178° (typical)
Brightness	350 cd/m^2 (typical)
Contrast ratio	1000 to 1 (typical)
Aspect Ratio	16:9
Display screen coating	Anti-Glare with 2H hardness
Backlight Technology	white LED edgelight system
Response time	8 ms
Color depth	1.06 Billion colors
PIP / PBP	Yes
Connectivity	1 x DP 1.2
	1 x mDP 1.2
	2 x HDMI 1.4 (MHL)
	1 x VGA
	1 x USB 3.0 port - Upstream
	4 x USB 3.0 port
	1 x Audio Input
	1 x Headphone Output
	1 x RS232
Audio output	8W x 2
Built in device - usb	Upstream x 1
	Downstream x 4 (including one Charging Port)

DDM compatibility	Yes
Adjustability	
Tilt	-5° to 10°
Security	Security lock slot (cable lock sold separately)

* 72% (CIE 1931), 82%(CIE 1976)

Resolution specifications

Model	P4317Q
Horizontal scan range	30 kHz to 83 kHz (automatic)
Vertical scan range	56 Hz to 76 Hz (automatic)
Maximum preset resolution	3840 x 2160 at 60 Hz (DP only)

Preset display modes

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	60.0	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, 1280 x 1024	64.0	60.0	108.0	+/+
VESA, 1280 x 1024	80.0	75.0	135.0	+/+
VESA, 1440 x 900	55.5	60.0	88.8	+/-
VESA, 1440 x 900	70.1	75.0	136.8	-/+
**VESA, 1920 x 1080	67.5	60.0	148.5	+/+
VESA, 3840 x 2160	67.5	30.0	297.0	+/+
*VESA, 3840 x 2160	135.0	60.0	594.0	+/+

* Requires a graphics card that supports DisplayPort 1.2

** PBP mode maximum resolution support 1920x1080@60Hz

Electrical specifications

Model	P4317Q
Video input signals	• Analog RGB, 0.7 Volts +/-5%, positive polarity at 75 ohm input impedance • HDMI1.4, 600 mV for each differential line, positive polarity at 100 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 ± 3 Hz/ 2 A
Inrush current	120 V:30 A (Max.) 240 V:60 A (Max.)

Physical characteristics

Model	P4317Q
Signal cable type	• Analog: detachable, D-Sub, 15 pins • Digital: detachable, HDMI, 19 pins • Digital: detachable, mDP, 20 pins • Digital: detachable, DP, 20 pins
Dimensions (with stand)	
Height	658.0 mm (25.90 in)
Width	973.1 mm (38.31 in)
Depth	250.0 mm (9.84 in)
Dimensions (without stand)	
Height	566.4 mm (22.29 in)
Width	973.1 mm (38.31 in)
Depth	83.0 mm (3.27 in)
Stand dimensions	
Height	488.6 mm (19.24 in)
Width	320.0 mm (12.60 in)
Depth	250.0 mm (9.84 in)
Weight	
Weight with packaging	24.4 kg (53.78 lb)
Weight with stand assembly and cables	17.93 kg (39.51 lb)

Weight without stand assembly	14.11 kg (31.09 lb)
Weight of stand assembly	3.3 kg (7.26 lb)

Caution: Any third-party arm or pole purchased separately should support the weight of the monitor as well as any external brackets and interface plates.

Environmental characteristics

Model		P4317Q
Temperature		
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: 5% to 90% (non-condensing)
Altitude		
Operating (maximum)		5,000 m (16,400 ft)
Non-operating (maximum)		12,192 m (40,000 ft)
Thermal dissipation		• 494.9 BTU/hour (maximum)
		• 238.9 BTU/hour (typical)

Power management modes

If you have VESA's DPM™ compliance display card or software installed in your PC,

the monitor can automatically reduce its power consumption when not in use. This is referred to as Power Save Mode*. If the computer detects input from the 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.

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

VESA Modes	Horizontal Sync	Vertical Sync	Video	Power Indicator	Power Consumption
Normal operation	Active	Active	Active	White	< 160 W (maximum)** < 70 W (typical)
Active-off mode	Inactive	Inactive	Blanked	White (Glowing)	Less than 0.3 W
Switch off	-	-	-	Off	Less than 0.3 W

Speaker specifications

Model	P4317Q
Speaker rated power	2 x 8 W
Frequency Response	200 Hz - 16 kHz
Impedance	6 ohm

The OSD functions only in the normal operation mode. When any button is pressed in the Active-off mode, the following message will be displayed:

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⬛ ❷ **No VGA signal from your device.**
Press any key on the keyboard or move the mouse to wake it up.
If there is no display, press the monitor button again to select
the correct input source.
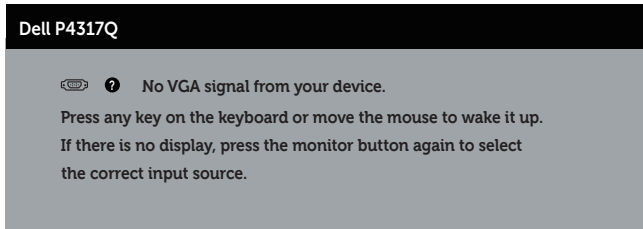
Activate the computer and the monitor to gain access to the OSD.

Pin assignments

VGA connector
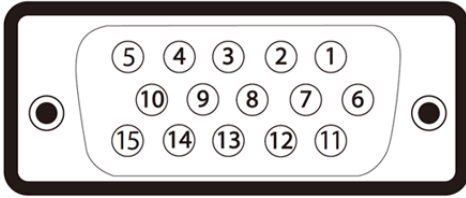
Pin Number	15-pin Side of the Connected Signal Cable
1	Video-Red
2	Video-Green
3	Video-Blue
4	GND
5	Self-test
6	GND-R
7	GND-G
8	GND-B
9	Computer 5V/3.3V
10	GND-sync
11	GND
12	DDC data
13	H-sync
14	V-sync
15	DDC clock

HDMI connector
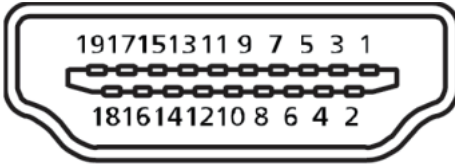
Pin Number	19-pin Side of the Connected Signal Cable
1	T.M.D.S. Data 2-
2	T.M.D.S. Data 2 Shield
3	T.M.D.S. Data 2+
4	T.M.D.S. Data 1+
5	T.M.D.S. Data 1 Shield
6	T.M.D.S. Data 1 -
7	T.M.D.S. Data 0+
8	T.M.D.S. Data 0 Shield
9	T.M.D.S. Data 0-
10	T.M.D.S. Clock +
11	T.M.D.S. Clock Shield
12	T.M.D.S. Clock -
13	CEC
14	Reserved (N.C. on device)
15	SCL
16	SDA
17	DDC/CEC Ground
18	+5V Power
19	Hot Plug Detect

DP connector
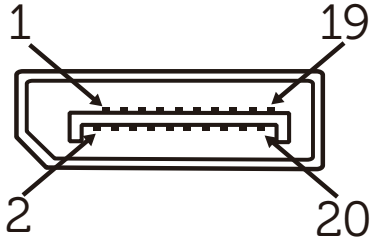
Pin Number	20-pin Side of the Connected Signal Cable
1	ML0(p)
2	GND
3	ML0(n)
4	ML1(p)
5	GND
6	ML1(n)
7	ML2(p)
8	GND
9	ML2(n)
10	ML3(p)
11	GND
12	ML3(n)
13	GND
14	GND
15	AUX(p)
16	GND
17	AUX(n)
18	GND
19	Re-PWR
20	+3.3V DP_PWR

Mini DP connector
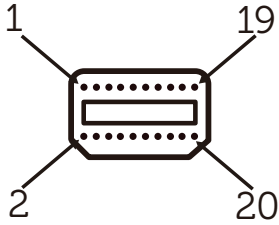
Pin Number	20-pin Side of the Connected Signal Cable
1	GND
2	Hot Plug Detect
3	ML3(n)
4	GND
5	ML3(n)
6	GND
7	GND
8	GND
9	ML2(n)
10	ML0(n)
11	ML2(p)
12	ML0(p)
13	GND
14	GND
15	ML1(n)
16	AUX(P)
17	ML1(p)
18	AUX(N)
19	GND
20	+3.3V DP_PWR

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.

Transfer Speed	Data Rate	Power Consumption*
Super-speed	5 Gbps	4.5 W (Max, each port)
High speed	480 Mbps	4.5 W (Max, each port)
Full speed	12 Mbps	4.5 W (Max, each port)

* Up to 1.5A on USB downstream port (port with SS⇄ battery icon) with BC1.2 compliance devices or normal USB devices.

USB Upstream Connector
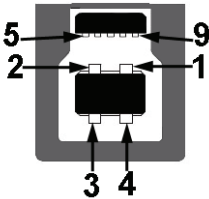
Pin Number	9-pin Side of the Connector
1	VCC
2	D-
3	D+
4	GND
5	SSTX-
6	SSTX+
7	GND
8	SSRX-
9	SSRX+

USB Downstream Connector

Pin Number	9-pin Side of the Connector
1	VCC
2	D-
3	D+
4	GND
5	SSTX-
6	SSTX+
7	GND
8	SSRX-
9	SSRX+

USB Ports

- 1 upstream - blue
- 4 downstream - blue
- Power Charging Port- the port with **SS←[]** battery icon; supports current charging capability if the device is BC1.2 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.

Identifying parts and controls

Front View
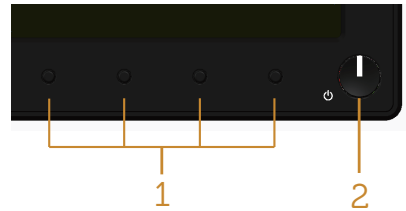
Front panel controls

Label	Description
1	Function buttons (For more information, see Operating your 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 without monitor stand

Back View with monitor stand

Label	Description	Use
1	VESA mounting holes behind attached VESA Cover: 1) 100 mm x 100 mm 2) 200 mm x 200 mm	Wall mount monitor using the compatible wall-mount kits for the specific VESA mounting holes.
2	Regulatory label	Lists the regulatory approvals.
3	Security - lock slot	Secures monitor with security lock (security lock not included).
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

Bottom view

Bottom view without monitor stand
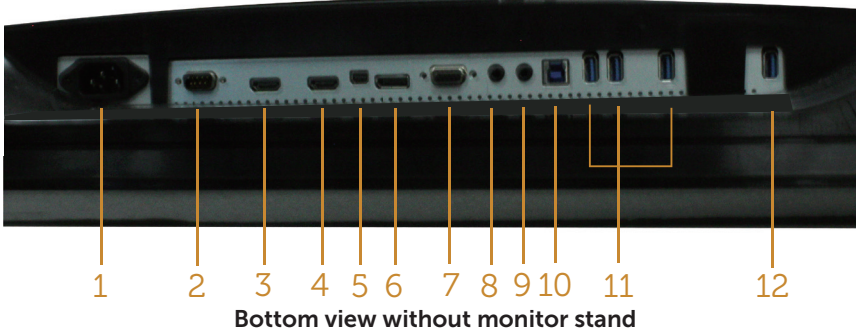
Label	Description	Use
1	AC power cord connector	To connect the monitor power cable.
2	RS232 port	To connect your computer to the monitor using a RS232 cable.
3	HDMI/MHL 1 port connector	Connect your computer with HDMI/MHL cable.
4	HDMI/MHL 2 port connector	Connect your computer with HDMI/MHL cable.
5	mini DisplayPort	To connect your computer to the monitor using a mDP to DP cable.
6	DisplayPort	To connect your computer to the monitor using a DP to DP cable.
7	VGA port	To connect your computer to the monitor using a VGA cable.
8	Audio Line In port	Connects the audio cable (optional purchase) from the source device to the monitor.
9	Headphone Out port	Connect to external headphone (optional purchase)
10	USB upstream port	Connect the USB cable that comes with your monitor to the computer. Once this cable is connected, you can use the USB connectors on the monitor.
11 / 12	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 upstream connector on the monitor. *

* It is use the port (12) support battery charging.

Plug and play capability

You can install the monitor in any Plug and Play-compatible system. The monitor automatically provides the computer system with its Extended Display Identification Data (EDID) using Display Data Channel (DDC) protocols so the system can configure itself and optimize the monitor settings. Most monitor installations are automatic, you can select different settings if desired. For more information about changing the monitor settings, see Operating your monitor.

LCD monitor quality and pixel policy

During the LCD Monitor manufacturing process, it is not uncommon for one or more pixels to become fixed in an unchanging state which are hard to see and do not affect the display quality or usability. For more information on Dell Monitor Quality and Pixel Policy, see Dell Support site at: **www.dell.com/support/monitors**.

Maintenance guidelines

Cleaning your monitor

⚠️ **WARNING: Before cleaning the monitor, unplug the monitor power cable from the electrical outlet.**

⚠️ **CAUTION: Read and follow the** Safety instructions **before cleaning the monitor.**

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

- To clean your anti-static screen, lightly dampen a soft, clean cloth with water. If possible, use a special screen-cleaning tissue or solution suitable for the anti-static coating. Do not use benzene, thinner, ammonia, abrasive cleaners or compressed air.
- Use a lightly-dampened, warm cloth to clean the monitor. Avoid using detergent of any kind as some detergents leave a milky film on the monitor.
- If you notice white powder when you unpack your monitor, wipe it off with a cloth.
- Handle your monitor with care as a darker-colored monitor may get scratched 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 turn Off your monitor when not in use.

Setting up the monitor

Attaching the stand

📝 **NOTE:** To set up with any other stand, please refer to the respective stand setup guide for setup instructions.

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

📝 **NOTE:** The following steps are applicable for a monitor with a stand.
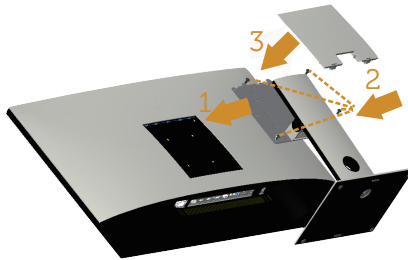
To attach the monitor stand:

1. Attach the monitor stand.

2. To tighten the four screws.

3. Attach the VESA cover.

Connecting your monitor

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

📝 **NOTE:** Do not connect all cables to the computer at the same time.

To connect your monitor to the computer:

1. Turn off your computer and disconnect the power cable.
2. Connect the HDMI/MHL/mDP/DP/VGA/audio/USB 3.0 cable from your monitor to the computer.
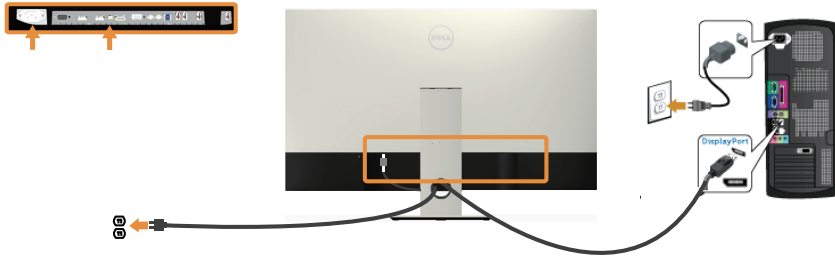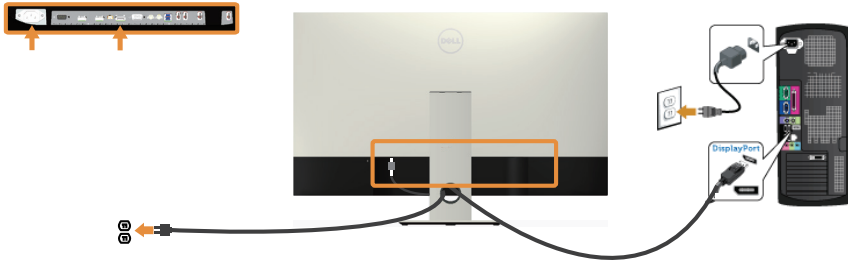
Connecting the HDMI cable

Connecting the MHL cable (**sold separately**)

Connecting the black DP (mDP to DP) cable
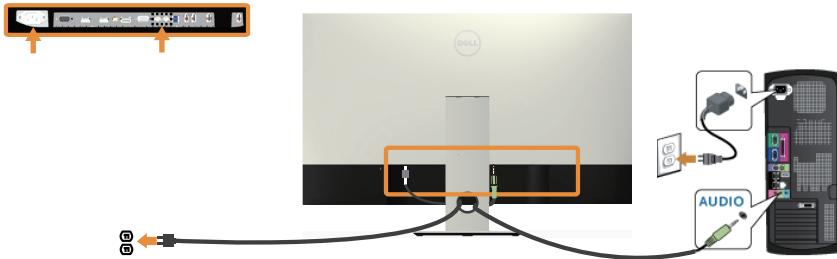

Connecting the black DP (DP to DP) cable

Connecting the VGA cable (sold separately)

Connecting the audio cable (**sold separately**)

Connecting the USB 3.0 cable

After you have completed connecting the HDMI/MHL/mDP/DP cable, follow the procedures below to connect the USB 3.0 cable to the computer and complete your monitor setup:

1. Connect the upstream USB 3.0 port (cable supplied) to an appropriate USB 3.0 port on your computer. (See Bottom view for details.).
2. Connect the USB 3.0 peripherals to the downstream USB 3.0 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, see Universal serial bus (USB) specific problems.
5. Use the cable slot on the monitor stand to organize the cables.

Using the (MHL) mobile-high definition link

✐ **NOTE:** This monitor is MHL certified.

✐ **NOTE:** To use the MHL function, use only MHL-certified cable and source devices that support MHL output.

✐ **NOTE:** Some MHL source devices may take more than a few seconds or longer to output an image, depending on MHL source devices.

✐ **NOTE:** When the connected MHL source device enters Standby mode, the monitor will display black screen or show the massage below, depending on MHL source device's output.

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Entering Power Save Mode.

⊑⊒

To enable MHL connection, please perform the below steps:Setting Up the Monitor

1. Plug the power cable of your monitor into an AC outlet.

2. Connect the (micro) USB port on your MHL source device to HDMI/MHL 1 or HDMI/MHL 2 port on the monitor with a MHL-certified cable (See Bottom view for details.)

3. Turn on the monitor and the MHL source device.

4. Select input source on monitor to HDMI/MHL 1 or HDMI/MHL 2 by using OSD Menu (See Using the on-screen display (OSD) menu for details.).

5. If it does not display an image, see Mobile high-definition link (MHL) specific problems.

Organizing cables

After you connect all necessary cables to your monitor and computer, organize all cables as shown above.

✐ **NOTE:** After the cables are connected, they will have to be disconnected again to route them through the hole.

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 and clean surface.

📝 **NOTE:** The following steps are applicable for a monitor with a stand.
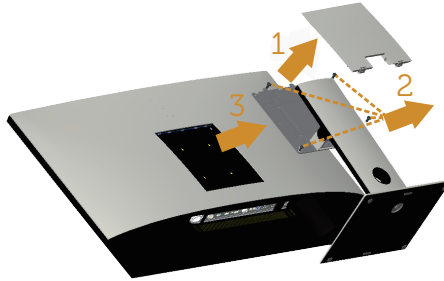
To remove the stand:

1. Unpack the VESA cover.
2. Use a screwdriver to release the four screws.
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 wall 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 Phillips crosshead 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 monitor on the wall by following the instructions that comes with the wall mounting kit.

📝 **NOTE:** For use only with UL-listed wall mount bracket with minimum weight/ load bearing capacity of 54 kg.
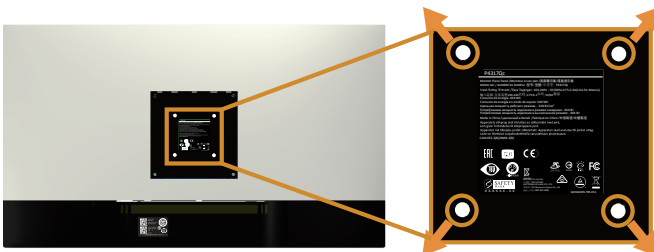
Operating your monitor

Power on the monitor

Press the ⏻ button to turn on the monitor.

Using the front panel controls

Use the control buttons on the front of the monitor to adjust the image being displayed.
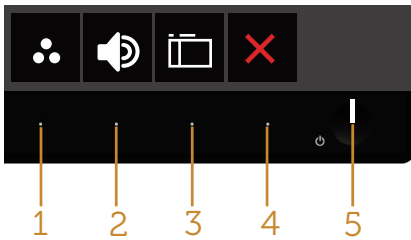
The following table describes the front panel buttons:

	Front Panel Button	Description
1	**···** Shortcut key/Preset modes	Use this button to choose from a list of preset modes.
	◀))) Shortcut key/Volume	Use the buttons to adjust the volume.Minimum is '0' (-). Maximum is '100' (+).
	🔲 Menu	Use the menu button to launch the on-screen display (OSD) and select the OSD menu. See Accessing the OSD menu.
	✖ Exit	Use this button to go back to the main menu or exit the OSD main menu.

2&3		Use the power button to turn the monitor on and off.
Power on/off button (with LED indicator)		Solid white light indicates the monitor is turned on. Blinking white light indicates it is in power-save mode.

OSD controls

Use the buttons on the front of the monitor to adjust the image settings.
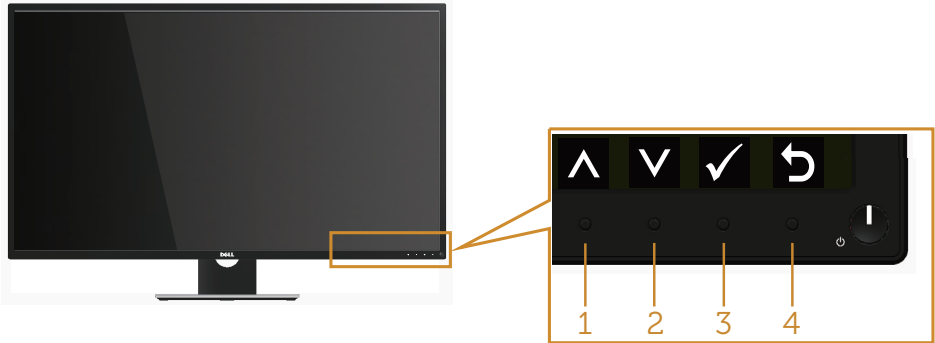
	Front Panel Button	Description
1	Up	Use the up button to increase values or move up in a menu.
2	Down	Use the down button to decrease values or move down in a menu.
3	OK	Use the OK button to confirm your selection in a menu.
4	Back	Use the back button to go back to the previous menu.

Using the on-screen display (OSD) menu

Accessing the OSD menu

📝 **NOTE:** Any changes you make are automatically saved when you move to another menu, exit the OSD menu, or wait for the OSD menu to automatically close.

1. Press the ▥ button to display the OSD main menu.

Main menu for analog (VGA) input

Dell P4317Q		Energy Use	▬▬▬▬▬▬▬▬
☀ **Brightness / Contrast**			
⇄ Auto Adjust			
⊟ Input Source		☀	◐
₆↓ Color			
▭ Display			
▢ PIP/PBP			
🔊 Audio		**75%**	**75%**
♨ Energy			
▥ Menu			
★ Personalize			
ⅲ Others			
⌫ Resolution: 1920x1080, 50Hz		Maximum: 1920x1080, 60Hz	

⌃ ⌄ → ✕

or
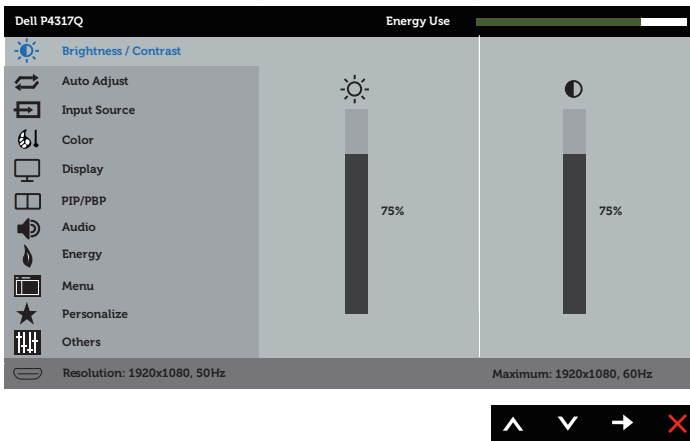
Main Menu for digital (HDMI/MHL 1 / HDMI/MHL 2) input

Dell P4317Q		Energy Use	▬▬▬▬▬▬▬▬
☀ **Brightness / Contrast**			
⇄ Auto Adjust			
⊟ Input Source		☀	◐
₆↓ Color			
▭ Display			
▢ PIP/PBP			
🔊 Audio		**75%**	**75%**
♨ Energy			
▥ Menu			
★ Personalize			
ⅲ Others			
⌫ Resolution: 1920x1080, 50Hz		Maximum: 3840x2160, 30Hz	

⌃ ⌄ → ✕

or
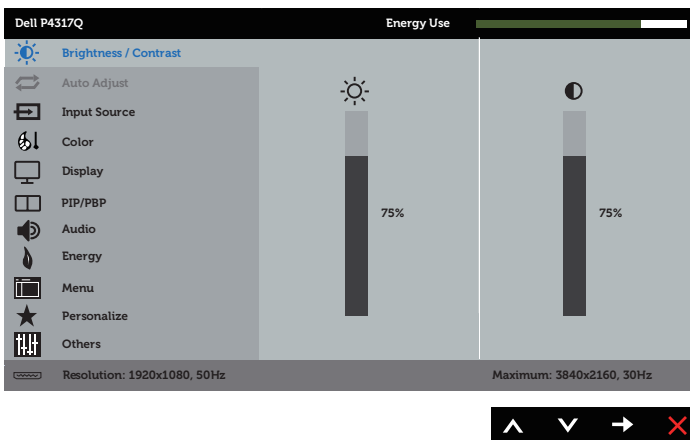
Main Menu for digital (mDP) input

Dell P4317Q	Energy Use
☀ **Brightness / Contrast**	
⇄ Auto Adjust	
⊞ Input Source	
⬙ Color	
▭ Display	
▢ PIP/PBP	75%　75%
◆ Audio	
◊ Energy	
▦ Menu	
★ Personalize	
▦ Others	
⊟ Resolution: 1920x1080, 50Hz	Maximum: 3840x2160, 60Hz

∧　∨　➜　✕

or
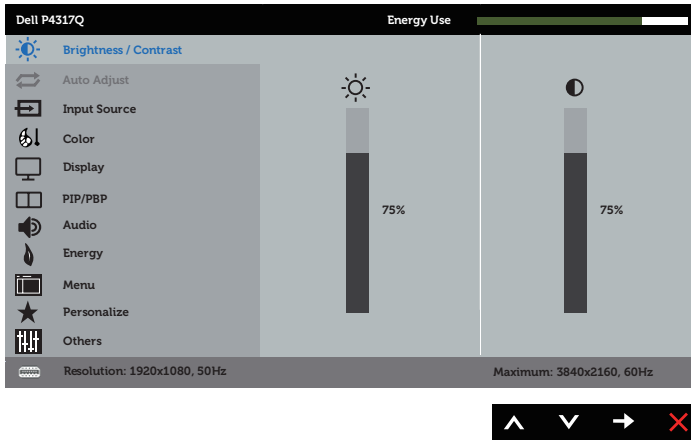
Main Menu for digital (DP) input

Dell P4317Q	Energy Use
☀ **Brightness / Contrast**	
⇄ Auto Adjust	
⊞ Input Source	
⬙ Color	
▭ Display	
▢ PIP/PBP	75%　75%
◆ Audio	
◊ Energy	
▦ Menu	
★ Personalize	
▦ Others	
⊟ Resolution: 1920x1080, 50Hz	Maximum: 3840x2160, 60Hz

∧　∨　➜　✕
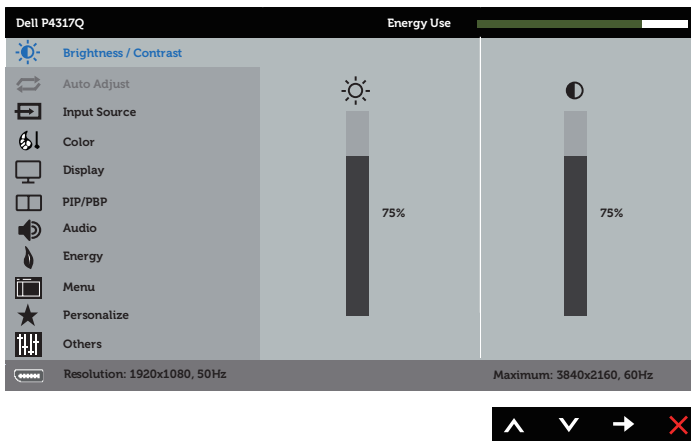
2. Press the ∧ and ∨ buttons to move between the setting options. As you move from one icon to another, the option name is highlighted.

3. Press the ➜ button once to activate the highlighted option.

4. Press ∧ and ∨ button to select the desired parameter.

5. Press ➜ and then use the ∧ and ∨ buttons, according to the indicators on the menu, to make your changes.

6. Select the ↩ button to return to the main menu.

Icon	Menu and Submenus	Description
	Brightness/ Contrast	Use this menu to activate brightness/contrast adjustment.
		Adjust the brightness first, and then adjust the contrast only if further adjustment is necessary. Press the ⌃ button to increase the contrast and press the ⌄ button to decrease the contrast (min. 0 / max. 100). The contrast function adjusts the degree of difference between darkness and lightness on the monitor screen. 📝NOTE: Manual adjustment of brightness is disabled when dynamic contrast is switched on.

⇄	Auto Adjust	Use this key to activate automatic setup and adjust menu.
		  Dell P4317Q ... Energy Use ☀ Brightness / Contrast ... Press ✓ to adjust the screen automatically. ⇄ Auto Adjust ⊡ Input Source ◔ Color ⬚ Display ⊞ PIP/PBP ◉ Audio ◊ Energy ▤ Menu ★ Personalize ⫴ Others ▭ Resolution: 1920x1080, 50Hz ... Maximum: 1920x1080, 60Hz ∧ ∨ → ✕
		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 settings.
		✐**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.
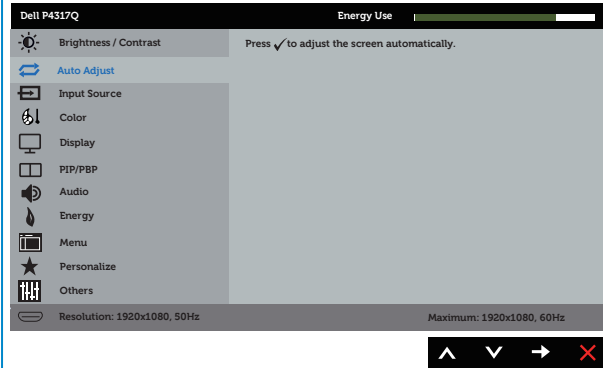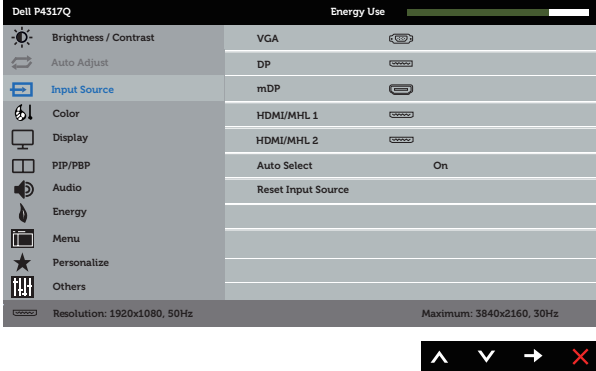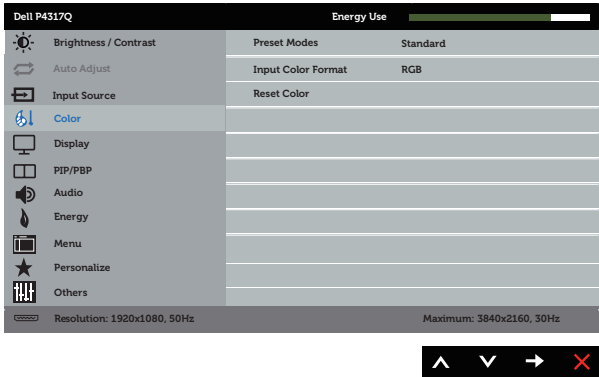
⭢	**Input Source**	Use the input source menu to select between the different video signals that may be connected to your monitor. Dell P4317Q — Energy Use Brightness / Contrast — VGA Auto Adjust — DP Input Source — mDP Color — HDMI/MHL 1 Display — HDMI/MHL 2 PIP/PBP — Auto Select — On Audio — Reset Input Source Energy Menu Personalize Others Resolution: 1920x1080, 50Hz — Maximum: 3840x2160, 30Hz
	VGA	Select VGA input when you are using the analog (VGA) connector. Press ➡ to select the VGA input source. ✍**NOTE**: VGA support max resolution to 1920x1080@60Hz.
	DP	Select the DP input when you are using the DP connector. Press ➡ to select the DP input source.
	mDP	Select the mDP input when you are using the mDP connector. Press ➡ to select the mDP input source.
	HDMI/MHL 1 **HDMI/MHL 2**	Select the HDM/MHL 1 or HDMI/MHL 2 input when you are using the HDMI connectors. Press ➡ to select the HDMI/MHL 1 or HDMI/MHL 2 input source.
	Auto Select	Select auto select to scan for available input signals.
	Reset Input Source	Reset your monitor input source settings to the factory settings.
🎨	**Color**	Use color to adjust the color setting mode. Dell P4317Q — Energy Use Brightness / Contrast — Preset Modes — Standard Auto Adjust — Input Color Format — RGB Input Source — Reset Color Color Display PIP/PBP Audio Energy Menu Personalize Others Resolution: 1920x1080, 50Hz — Maximum: 3840x2160, 30Hz

Preset Modes	When you select preset modes, you can choose standard, multimedia, movie, game, paper, warm, cool, or custom color from the list.	

When you select preset modes, you can choose standard, multimedia, movie, game, paper, warm, cool, or custom color from the list.

- Standard: Loads the monitor's default color settings. This is the default preset mode.
- 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.
- Custom Color: Allows you to manually adjust the color settings.

Press the ⊙ and ⊙ buttons to adjust the three colors (R, G, B) values and create your own preset color mode.

Dell P4317Q		Energy Use	
☀ Brightness / Contrast	Preset Modes	✓ Standard
⇄ Auto Adjust	Input Color Format	Paper
⊟ Input Source	Reset Color	Warm
⊕ Color		Cool
▭ Display		Custom Color
▢ PIP/PBP		
◀ Audio		
♨ Energy		
▦ Menu		
★ Personalize		
▥ Others		
▭ Resolution: 1920x1080, 50Hz		Maximum: 3840x2160, 30Hz

∧ ∨ ✓ ⤺
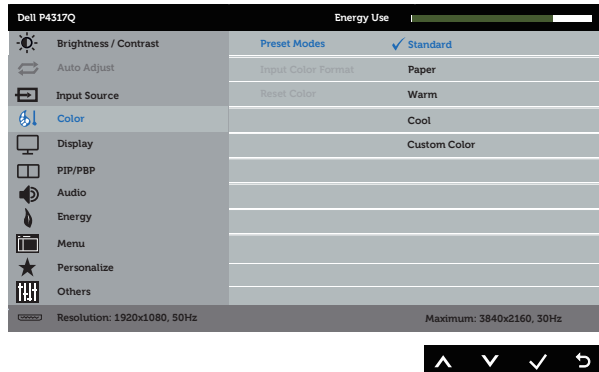
Input Color Format	Allows you to set the video input mode to: • RGB: Select this option if your monitor is connected to a computer or DVD player using the HDMI cable. • YPbPr: Select this option if your DVD player supports only YPbPr output. 	

Dell P4317Q	Energy Use	
Brightness / Contrast	Preset Modes	
Auto Adjust	Input Color Format	✓ RGB
Input Source	Reset Color	YPbPr
Color		
Display		
PIP/PBP		
Audio		
Energy		
Menu		
Personalize		
Others		
Resolution: 1920x1080, 50Hz	Maximum: 3840x2160, 30Hz	
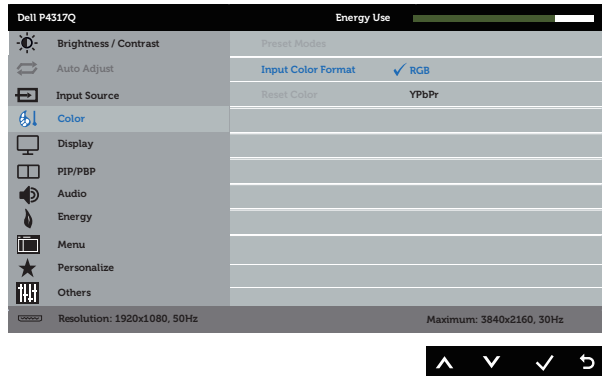
Reset Color	Allows your monitor color settings to the factory settings.	

⬚	**Display**	Use the display to adjust image.	
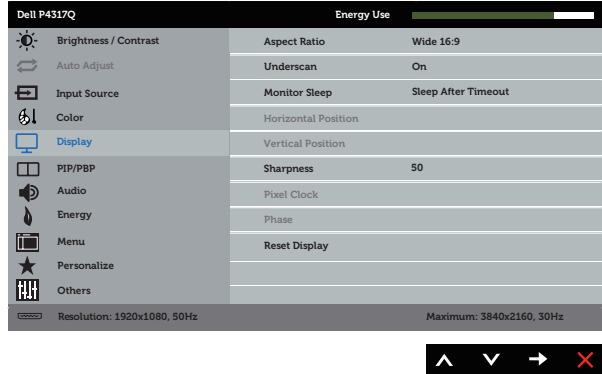
Aspect Ratio	Adjusts the image ratio to Wide 16:9, 4:3 or 5:4.	
Underscan	Underscan is to describe the display function which will reduce the display area.	
Monitor Sleep	Monitor sleep is to define the action after the source has no signal. It will go to sleep or never go to sleep.	
Horizontal Position	Use ⬆ or ⬇ the buttons to adjust image left and right. Minimum is 0 (-). Maximum is 100 (+). NOTE: Only applicable for VGA source.	
Vertical Position	Use the ⬆ or ⬇ buttons to adjust image up and down. Minimum is 0 (-). Maximum is 100 (+). NOTE: Only applicable for VGA source.	
Sharpness	This feature can make the image look sharper or softer. Use ⬆ or ⬇ to adjust the sharpness from '0' to '100'.	
Pixel Clock	The phase and pixel clock adjustments allow you to adjust your monitor to your preference. Use ⬆ or ⬇ buttons to adjust for best image quality. Minimum is 0 (-). Maximum is 100 (+). NOTE: Only applicable for VGA source.	
Phase	If satisfactory results are not obtained using the phase adjustment, use the pixel clock (coarse) adjustment and then use phase (fine), again. Minimum is 0 (-). Maximum is 100 (+). NOTE: Only applicable for VGA source.	
Reset Display	Select this option to restore default display settings.	
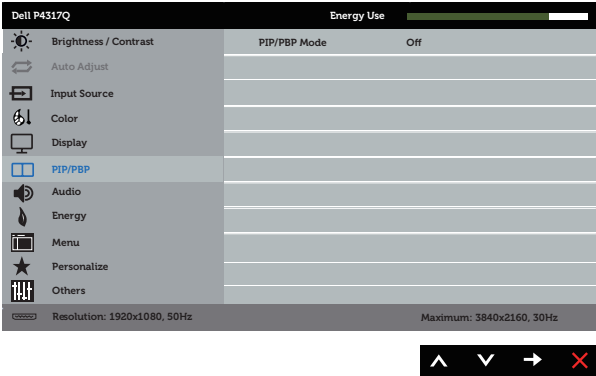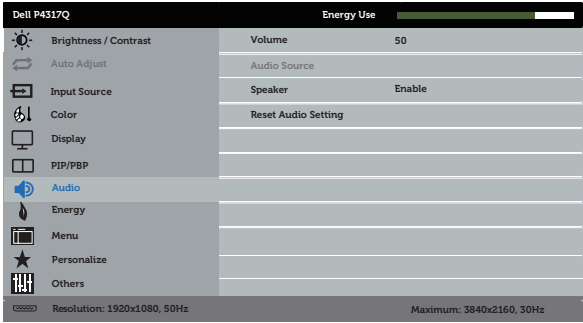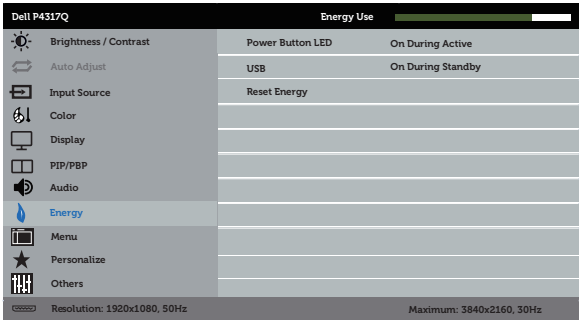
	PIP/PBP	Dell P4317Q

	PIP/PBP	**Dell P4317Q** Energy Use

⊟	**PIP/PBP**	**Dell P4317Q** Energy Use ▬▬▬▬▬▬ ▬ ☀ **Brightness / Contrast** PIP/PBP Mode Off ⇄ Auto Adjust ⊟ Input Source 🎚 Color 🖵 Display ⊟ **PIP/PBP** 🔊 Audio 🌡 Energy ⊟ Menu ★ Personalize ⊞ Others ⚏ Resolution: 1920x1080, 50Hz Maximum: 3840x2160, 30Hz ∧ ∨ → ✕
	PIP/PBP Mode	There are five modes: Picture in Picture (PIP) and Picture by Picture (PBP) with 2/3/4 widnows. **Off:** Normal display mode **PIP:** PIP 2 window **PBP** ⬚ **:** PBP 2 window **PBP** ⬚ **:** PBP 3 window mode1 **PBP** ⬚ **:** PBP 3 window mode2 **PBP** ⬚ **:** PBP 4 window
	PIP/PBP Source	Select PIP or PBP source.
	PIP Size	Select the PIP window of small or large.
	PIP Position	Select PIP sub-window position. Use or to browse and or select top-left, top-right, bottom-right or bottom-left.
	PBP Size	Select the PBP window of aspect ratio or fill.

🔊	**Audio**	Dell P4317Q — Energy Use Brightness / Contrast — Volume — 50 Auto Adjust — Audio Source Input Source — Speaker — Enable Color — Reset Audio Setting Display PIP/PBP Audio Energy Menu Personalize Others Resolution: 1920x1080, 50Hz — Maximum: 3840x2160, 30Hz	
	Volume	Use the buttons to adjust the volume.Minimum is 0 (-). Maximum is 100 (+).	
	Audio Source	Allows you to set the audio source mode to: ● Window 1 ● Window 2 ● Window 3 ● Window 4	
	Speaker	Allows you to enable or disable speaker function.	
	Reset Audio	Select this option to restore default audio settings.	
🔥	**Energy**	Dell P4317Q — Energy Use Brightness / Contrast — Power Button LED — On During Active Auto Adjust — USB — On During Standby Input Source — Reset Energy Color Display PIP/PBP Audio Energy Menu Personalize Others Resolution: 1920x1080, 50Hz — Maximum: 3840x2160, 30Hz	
	Power Button LED	Allows you to set the power LED indicator on during active or off during active to save energy.	
	USB	Allows you to enable or disable USB function during monitor standby mode. 🖉**NOTE**: USB on/off under standby mode is only available when the USB upstream cable is unplugged. This option will be greyed out when the USB upstream cable plugs in.	
	Reset Energy	Select this option to restore default energy settings.	

Operating your monitor | **39**

	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	Language options set the OSD display to one of the eight languages (English, Spanish, French, German, Brazilian Portuguese, Russian, Simplified Chinese, or Japanese).
	Transparency	Select this option to change the menu transparency by pressing the ⋀ and ⋁ buttons from 0 to 100.
	Timer	OSD hold time: sets the length of time the OSD will remain active after the last time you pressed a button. Use ⋀ or ⋁ to adjust the slider in 1 second increments, from 5 to 60 seconds.
	Lock	Controls user access to adjustments. When Lock is selected, no user adjustments are allowed. All buttons are locked. **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.
	Reset Menu	Reset all OSD settings to the factory preset values.
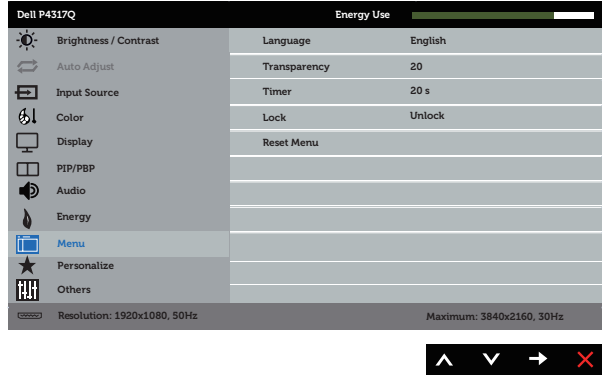
★	**Personalize**	Users can choose a feature from shortcut key 1, shortcut key 2, reset personalization, preset modes or volume and set it as a shortcut key.
		Dell P4317Q Energy Use Brightness / Contrast — Shortcut Key 1 — Preset Modes Auto Adjust — Shortcut Key 2 — Volume Input Source — Reset Personalization Color Display PIP/PBP Audio Energy Menu Personalize Others Resolution: 1920x1080, 50Hz — Maximum: 3840x2160, 30Hz
	Shortcut Key 1	User can select one of the following: preset modes, brightness/contrast, auto adjust, input source, aspect ratio, PIP/PBP mode, volume to set the shortcut key 1.
	Shortcut Key 2	User can select one of the following: preset modes, brightness/contrast, auto adjust, input source, aspect ratio, PIP/PBP mode, volume to set the shortcut key 2.
	Reset Personalization	Allows you to restore shortcut key to the default setting.
🎚	**Others**	**Dell P4317Q** Energy Use Brightness / Contrast — DDC/CI — Enable Auto Adjust — LCD Conditioning — Disable Input Source — Firmware Color — Reset Others Display — Factory Reset PIP/PBP Audio Energy Menu Personalize Others Resolution: 1920x1080, 50Hz — Maximum: 3840x2160, 30Hz
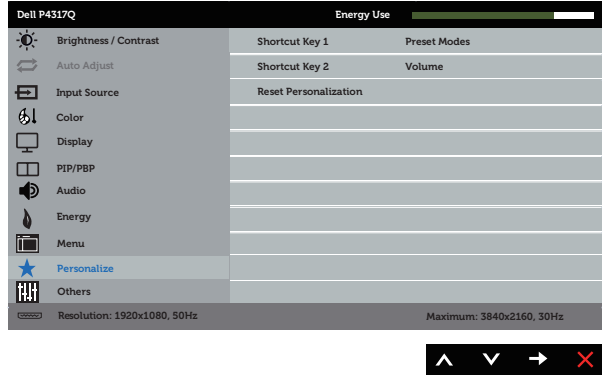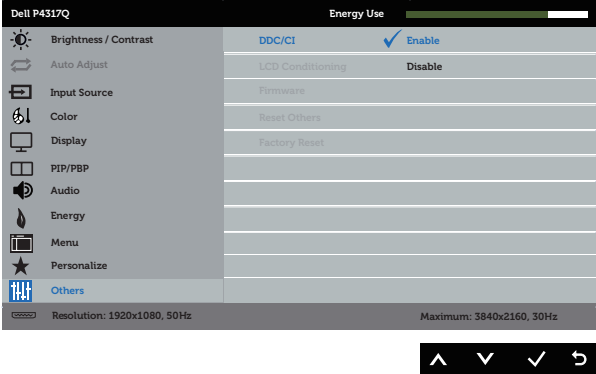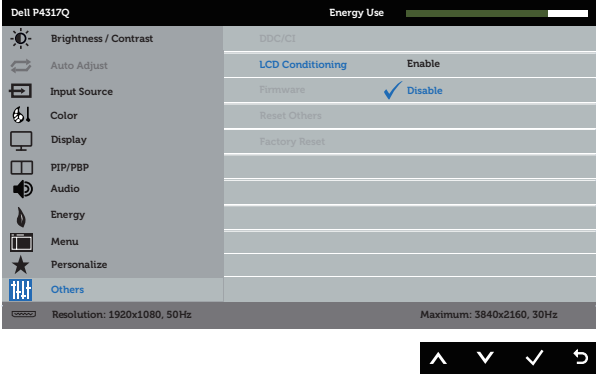
	DDC/CI	DDC/CI (display data channel/command interface) allows your monitor parameters (brightness, color balance and etc.) to be adjustable via the software on your computer. You can disable this feature by selecting disable. Enable this feature for best user experience and optimum performance of your monitor. <table><tr><td>Dell P4317Q</td><td>Energy Use ▬▬▬▬▬▬</td></tr></table>Brightness / Contrast DDC/CI ✓ Enable Auto Adjust LCD Conditioning Disable Input Source Firmware Color Reset Others Display Factory Reset PIP/PBP Audio Energy Menu Personalize Others Resolution: 1920x1080, 50Hz Maximum: 3840x2160, 30Hz ⌃ ⌄ ✓ ↩
	LCD Conditioning	Helps reduce minor cases of image retention. Depending on the degree of image retention, the program may take some time to run. To start LCD conditioning, select **Enable**. Dell P4317Q Energy Use ▬▬▬▬▬▬ Brightness / Contrast DDC/CI Auto Adjust LCD Conditioning Enable Input Source Firmware ✓ Disable Color Reset Others Display Factory Reset PIP/PBP Audio Energy Menu Personalize Others Resolution: 1920x1080, 50Hz Maximum: 3840x2160, 30Hz ⌃ ⌄ ✓ ↩
	Firmware	Firmware version.
	Reset Others	Reset all settings under the **Others** setting menu to the factory preset values.
	Factory Reset	Reset all settings to the factory preset values.

📝 **NOTE:** Your monitor has a built-in feature to automatically calibrate the brightness to compensate for LED aging.

OSD warning messages

When the monitor does not support a particular resolution mode, the following message is displayed:

> **Dell P4317Q**
>
> The current input timing is not supported by the monitor display. Please
>
> change your input timing to **3840x2160, 60Hz** or any other monitor
>
> listed timing as per the monitor specifications.
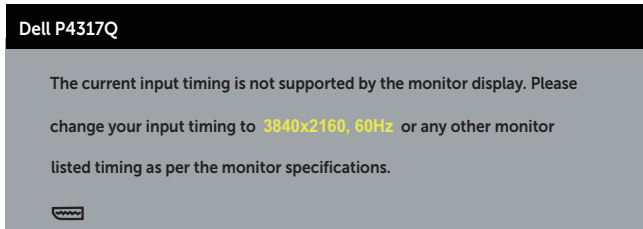
This means that the monitor cannot synchronize with the signal that it is receiving from the computer. See Monitor specifications for the horizontal and vertical frequency ranges addressable by this monitor. Recommended mode is 3840 x 2160.

Before the **DDC/CI** function is disabled, the following message is displayed:

> **Dell P4317Q**
>
> The function of adjusting display setting using PC application will be
> disabled.
> Do you wish to disable DDC/CI function?
>
> | No |
> | Yes |
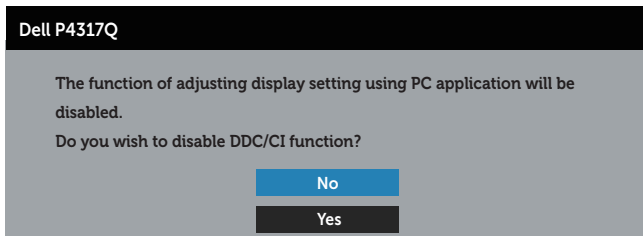
When the monitor enters the **Power Save Mode**, the following message appears:

> **Dell P4317Q**
>
> Entering Power Save Mode.

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 P4317Q**
>
> ⊕ ❷ No VGA signal from your device.
> Press any key on the keyboard or move the mouse to wake it up.
> If there is no display, press the monitor button again to select
> the correct input source.
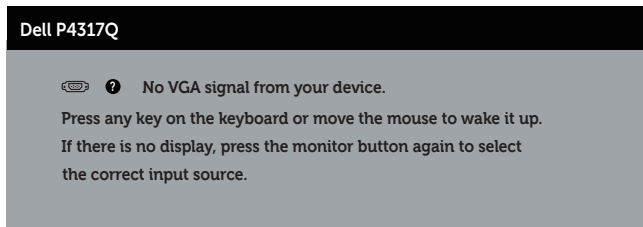
If VGA, HDMI, DP or mDP cable is not connected, a floating dialog box as shown below appears. The monitor will enter Power Save Mode after 4 minutes if left at this state.

Dell P4317Q

No VGA Cable

The display will go into Power Save Mode in 4 minutes.

www.dell.com/support/monitors

Dell P4317Q

No HDMI Cable

The display will go into Power Save Mode in 4 minutes.

www.dell.com/support/monitors

Dell P4317Q

No DP Cable

The display will go into Power Save Mode in 4 minutes.

www.dell.com/support/monitors

Dell P4317Q

No mDP Cable

The display will go into Power Save Mode in 4 minutes.

www.dell.com/support/monitors

See Troubleshooting for more information.

Setting up your monitor

Setting the maximum resolution

In Windows 8/8.1:

1. For Windows 8, and Windows 8.1, 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 **3840 x 2160**.
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 the **Resolution** and select **3840 x 2160**.
4. Click **Apply**.

If you do not see **3840 x 2160** as an option, you may need to update your graphics driver. Depending on your computer, complete one of the following procedures:

If you have a Dell desktop or portable computer:

- Go to **www.dell.com/support**, enter your service tag, and download the latest driver for your graphics card.

If you are using a non-Dell computer (portable or desktop):

- Go to the support site for your computer and download the latest graphic drivers.
- Go to your graphics card website and download the latest graphic drivers.

Using tilt

The stand shipped with your monitor supports tilt upto 5 degrees forward and 10 degrees backward.

5°   10°
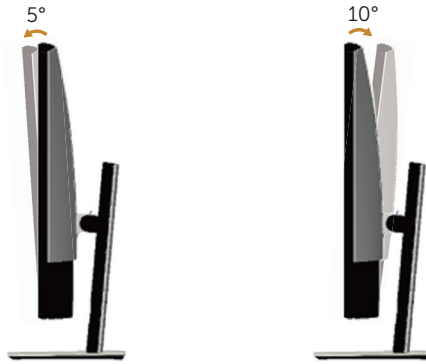
Troubleshooting

> ⚠️ **WARNING:** Before you begin any of the procedures in this section, follow the Safety instructions.

Self-test

Your monitor provides a self-test feature that allows you to check if 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. Disconnect the video cable from the back of the computer. To ensure proper Self-Test operation, remove all digital and analog cables from the back of monitor.
3. Turn on the monitor.

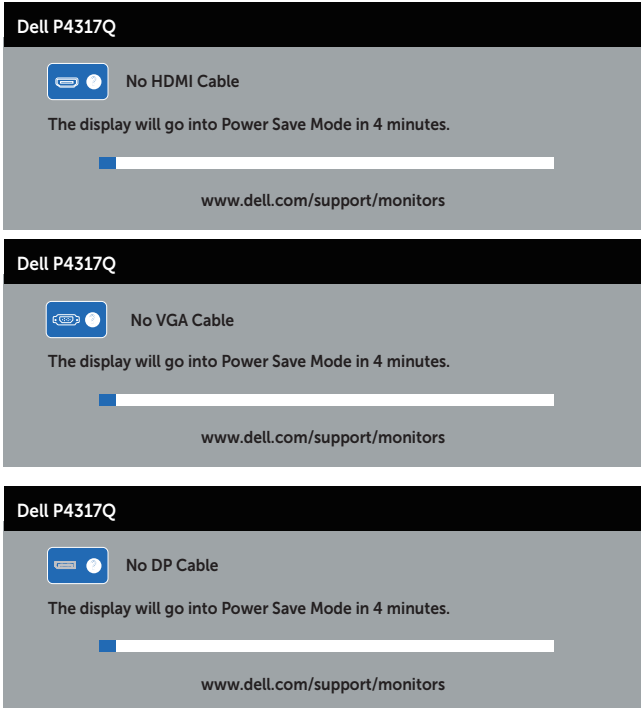   If the monitor is working correctly, it detects that there is no signal and one of the following message appears. While in self-test mode, the power LED remains white.

   Dell P4317Q

   ⬜⚪   **No HDMI Cable**

   The display will go into Power Save Mode in 4 minutes.

   www.dell.com/support/monitors

   Dell P4317Q

   ⬜⚪   **No VGA Cable**

   The display will go into Power Save Mode in 4 minutes.

   www.dell.com/support/monitors

   Dell P4317Q

   ⬜⚪   **No DP Cable**

   The display will go into Power Save Mode in 4 minutes.

   www.dell.com/support/monitors

Dell P4317Q

No mDP Cable

The display will go into Power Save Mode in 4 minutes.

www.dell.com/support/monitors

NOTE: This box also appears during normal system operation, if the video cable is disconnected or damaged.

4. Turn off your monitor and reconnect the video cable; then turn on both your computer and the monitor.

If your monitor remains dark after you reconnect the cables, 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 any screen abnormality you experience 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*.

1   2   3   4   5
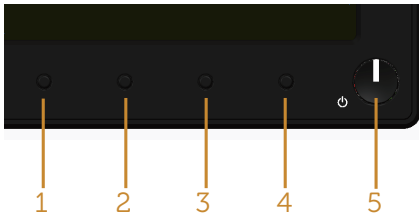
To run the built-in diagnostics:

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 **button 1** for 5 seconds. A gray screen appears.
4. Carefully inspect the screen for abnormalities.
5. Press **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 and text screens.

The test is complete when the text screen appears. To exit, press **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 Symptoms	Possible Solutions
No video/power LED off	• 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 correct input source is selected via the Input source menu.
No video/power LED on	• Increase brightness and contrast controls using the OSD. • Perform monitor self-test feature check. • Check for bent or broken pins in the video cable connector. • Run the built-in diagnostics. • Ensure that the correct input source is selected via the Input source menu.
Poor focus	• Eliminate video extension cables. • Reset the monitor to Factory Settings (**Factory Reset**). • Change the video resolution to the correct aspect ratio.
Shaky/jittery video	• Reset the monitor to Factory Settings (**Factory Reset**). • Check environmental factors. • Relocate the monitor and test in another room.
Missing pixels	• 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 **www.dell.com/support/monitors**.
Stuck-on pixels	• 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 **www.dell.com/support/monitors**.
Brightness problems	• Reset the monitor to Factory Settings (**Factory Reset**). • Adjust brightness & contrast controls via OSD.
Geometric distortion	• Reset the monitor to Factory Settings (**Factory Reset**). • Adjust horizontal & vertical controls via OSD.
Horizontal/vertical lines	• Reset the monitor to Factory Settings (**Factory Reset**). • 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	• Reset the monitor to Factory Settings (**Factory Reset**). • 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	• Do not perform any troubleshooting steps. • Contact Dell immediately.
Intermittent problems	• Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. • Reset the monitor to Factory Settings (**Factory Reset**). • Perform monitor self-test feature check to determine if the intermittent problem occurs in self-test mode.
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	• Change the **Color Setting Mode** in the **Color Settings** OSD to **Graphics** or **Video** depending on the application. • Try different **Preset Modes** in **Color** settings OSD. Adjust **R/G/B** value in **Custom Color** in **Color** settings OSD. • Change the **Input Color Format** to **RGB** or **YPbPr** in the **Color** settings OSD. • Run the built-in diagnostics.
Image retention from a static image left on the monitor for a long period of time	• 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.
Video ghosting or overshooting	• Change the **Response Time** in the **Display** OSD to **Fast** or **Normal** depending on your application and usage.

Product-specific problems

Specific Symptoms	Possible Solutions
Screen image is too small	• Check the **Aspect Ratio** setting in the **Display** settings OSD. • Reset the monitor to Factory Settings (**Factory Reset**) .
Cannot adjust the monitor with the buttons on the side panel	• Turn off the monitor, unplug the power cord, plug it back, and then turn on the monitor. • Check if the OSD menu is locked. If yes, press and hold the button above the power button for 10 seconds to unlock. (For more information, see Lock).
No input signal when user controls are pressed	• Check the signal source. Ensure the computer is not in standby or sleep mode by moving the mouse or pressing any key on the keyboard. • Check if the video cable is plugged in properly. Disconnect and reconnect the video cable if necessary. • Reset the computer or video player.
The picture does not fill the entire 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

Specific Symptoms	What You Experience	Possible Solutions
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. • Reboot 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 USB 3.0, 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). • Reboot the computer.

Mobile high-definition link (MHL) specific problems

Specific Symptoms	What You Experience	Possible Solutions
MHL interface is not working	Cannot see MHL device image shown on monitor	• Ensure your MHL cable and MHL device are MHL certified. • Check your MHL device is turned On. • Check your MHL device is not in Standby mode. • Check physical MHL cable connection is corresponding to input source selected on OSD Menu i.e., **HDMI (MHL) 1** or **HDMI (MHL) 2**. • Wait for 30 seconds after connecting MHL cable as some MHL devices require longer recovery time.

Appendix

WARNING: 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.

Contacting Dell

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

1. Go to **www.dell.com/contactdell**.

2. Verify your country or region in the **Choose a Country/Region** drop-down list at the bottom of the page.

3. Select the appropriate service or support link based on your requirement or choose the method of contacting Dell that is convenient for you. 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.

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