Dell P2721Q Monitor

User's Guide

Monitor Model: P2721Q
Regulatory Model: P2721Qf

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 6

Package contents 6

Product features..... 8

Identifying parts and controls 9

Front view 9

Back view 10

Side view 10

Bottom view 11

Monitor specifications..... 12

Resolution specifications..... 13

Supported video modes 13

Preset display modes 14

Electrical specifications..... 15

Physical characteristics..... 16

Environmental characteristics 17

Pin assignments 18

Plug and play capability 21

Universal Serial Bus (USB) interface..... 21

SuperSpeed USB 5Gbps (USB 3.2 Gen1) 21

USB 2.0..... 21

USB 3.2 Gen1 (5Gbps) downstream port 22

USB 2.0 downstream port 23

LCD monitor quality and pixel policy 23

Maintenance guidelines 24
Cleaning your monitor 24

Setting up the monitor 25

Attaching the stand 25
Connecting your monitor 28
Connecting the HDMI cable (optional) 28
Connecting the DisplayPort (DisplayPort to DisplayPort) cable 29
Connecting the USB Type-C cable (C to C)..... 29
Connecting the USB Type-C cable (C to A) 30
Organizing your cables 30
Removing the monitor stand 31
VESA wall mounting (optional)..... 32

Operating your monitor 33

Power on the monitor..... 33
Using the back panel controls 33
Back panel button 35
Using the On-Screen Display (OSD) menu..... 36
Accessing the menu system 36
OSD warning message..... 48
Setting the maximum resolution..... 52
Using the tilt, swivel, and vertical extension 53
Tilt, swivel..... 53
Vertical extension 53
Rotating the monitor..... 54
Rotate clockwise..... 54
Rotate counterclockwise 55
Adjusting the rotation display settings of your system. 56

Troubleshooting 57

Self-test 57
Built-in diagnostics 59
Common problems 60
Product specific problems 63
Universal Serial Bus (USB) specific problems 65

Appendix 66

FCC notices (U.S. only) and other regulatory information 66
Contact Dell 66
EU product database for energy label and product information sheet 66

About your monitor

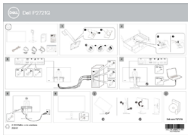
Package contents

Your monitor ships with the components shown in the table below. If any component is missing, contact Dell technical support. For more information, see **Contact Dell**.

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

NOTE: If you are attaching a stand that you purchased from any other source, follow the set up instructions that were included with the stand.

	Display
	Stand riser
	Stand base

	Power cable (varies by country)
	DisplayPort cable (DisplayPort to DisplayPort)
	*USB Type-C® to Type-C Gen1 cable (1.8m)
	USB Type-C to Type-A cable (1.8 m)
	• Quick Start Guide • Safety, Environmental, and Regulatory Information • Velcro Strap

NOTE: *USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum.

Product features

The **Dell P2721Q** monitor has an active matrix, Thin-Film Transistor (TFT), Liquid Crystal Display (LCD) and LED backlight.

The monitor features include:

- 68.47 cm (27.0 in.) viewable area (measured diagonally). 3840 x 2160 (16:9) resolution, plus full-screen support for lower resolutions.
- Wide viewing angle to allow viewing from a sitting or standing position.
- Color gamut of 99% sRGB.
- Digital connectivity with Type-C, DisplayPort and HDMI.
- Tilt, swivel, height, and rotate adjustment capabilities.
- Removable stand and Video Electronics Standards Association (VESA™) 100 mm mounting holes for flexible mounting solutions.
- Equipped with one Type-C upstream port and four USB downstream ports.
- Plug and play capability if supported by your system.
- On-Screen Display (OSD) adjustments for easy set-up and screen optimization.
- Power and OSD buttons lock.
- Security lock slot.
- Stand lock.
- ≤ 0.3 W in Standby Mode.
- Optimize eye comfort with a flicker-free screen.
- Single USB Type-C to supply power (PD 65 W) to compatible notebook while receiving video signal.

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

Identifying parts and controls

Front view

Back view

Label	Description	Use
1	LED indicator	Solid white light indicates that the monitor is turned on and functioning normally. Blinking white light indicates that the monitor is in Standby Mode.
2	Power On/Off button	To turn the monitor on or off.
3	Joystick	Use it to control the OSD menu.

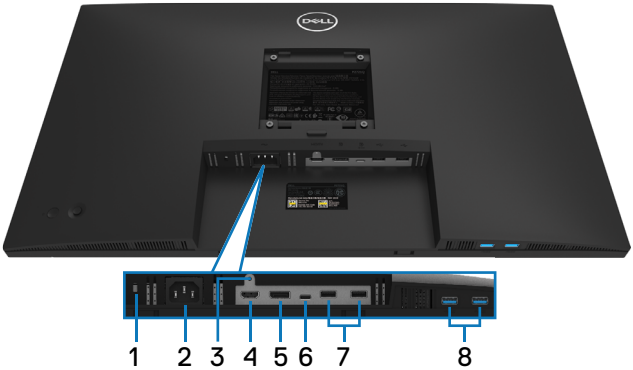
Back view

Back view with monitor stand

Label	Description	Use
1	VESA mounting holes (100 mm x 100 mm - behind attached VESA Cover)	Wall mount monitor using VESA-compatible wall mount kit (100 mm x 100 mm).
2	Regulatory label	Lists of regulatory approvals.
3	Stand release button	Releases stand from the monitor.
4	Barcode, serial number, and Service Tag label	Refer to this label if you need to contact Dell for technical support.
5	Cable-management slot	Use to organize cables by inserting them through the slot.

Side view

Bottom view



Bottom view without monitor stand

Label	Description	Use
1	Security lock slot	Secures the monitor with security lock (security lock not included).
2	Power connector	Connect the power cable (shipped with your monitor).
3	Stand lock	To lock the stand to the monitor using a M3 x 6 mm screw (screw not included).
4	HDMI port	Connect your computer with the HDMI 2.0 cable.
5	DisplayPort	Connect your computer with the DisplayPort cable (shipped with your monitor).
6	USB Type-C	Connect to your computer using the USB Type-C cable (C to C). The alternate mode with DP 1.2 support the maximum resolution of 3840 X 2160 at 60 Hz, PD 20 V/3.25 A, 15 V/3 A, 9 V/3 A, 5 V/3 A. **NOTE:** USB Type-C cable (C to C) only support USB 2.0, USB C to A cable can suport USB 3.2 Gen1 (5Gbps).
7	USB 2.0 downstream port x 2	Connect your USB device. **NOTE:** To use this port, you must connect the USB cable (shipped with your monitor) to the USB-upstream port on the monitor and to your computer.
8	SuperSpeed USB 5Gbps (USB 3.2 Gen1) downstream port x 2	Connect your USB device. **NOTE:** To use this port, you must connect the USB cable (shipped with your monitor) to the USB-upstream port on the monitor and to your computer.

Monitor specifications

Model	P2721Q
Screen type	UHD TFT LCD
Panel technology	In-Plane Switching Technology
Aspect ratio	16:9
Viewable image	
Diagonal Width (active area) Height (active area) Total area	684.66 mm (26.96 in.) 596.74 mm (23.49 in.) 335.66 mm (13.21 in.) 200301.75 mm² (310.30 in.²)
Pixel pitch	0.1554 mm x 0.1554 mm
Pixel per inch (PPI)	163
Viewing angle	178° (vertical) typical 178° (horizontal) typical
Luminance output	350 cd/m² (typical)
Contrast ratio	1,000 to 1 (typical)
Faceplate coating	AG type, 3H hard coating, Haze 25
Backlight	White LED edgelight system
Response time (Gray to Gray)	5 ms (Fast) 8 ms (Normal)
Color depth	1.07 Billion colors
Color gamut	sRGB 99%
Built-in devices	N/A
Connectivity	• 1 x HDMI port version 2.0 • 1 x DisplayPort version 1.2 • 1 x USB Type-C (Alternate mode with DisplayPort 1.2, USB 3.2 Gen1 (5Gbps) upstream port, Power Delivery PD up to 65 W) • 2 x USB 2.0 downstream ports • 2 x SuperSpeed USB 5Gbps (USB 3.2 Gen1) downstream ports

Border width (edge of monitor to active area)	7.4 mm (Top) 7.4 mm (Left/Right) 17.7 mm (Bottom)
Adjustability	
Height adjustable stand Tilt Swivel Pivot	150 mm -5° to 21° -45° to 45° -90° to 90°
Dell Display Manager compatibility	Easy Arrange and other key features
Security	Security lock slot (cable lock sold separately)

Resolution specifications

Model	**P2721Q**
Horizontal scan range	15 kHz to 135 kHz (automatic)
Vertical scan range	24 Hz to 86 Hz (automatic)
Maximum preset resolution	3840 x 2160 at 60 Hz

Supported video modes

Model	**P2721Q**
Video display capabilities (HDMI & DP & USB Type-C alternate mode)	480i, 480p, 576i, 576p, 720p, 1080i, 1080p,2160p

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	59.9	25.2	-/-
VESA, 640 x 480	37.5	75	31.5	-/-
VESA, 800 x 600	37.9	60.3	40	+/+
VESA, 800 x 600	46.9	75	49.5	+/+
VESA, 1024 x 768	48.4	60	65	-/-
VESA, 1024 x 768	60	75	78.8	+/+
VESA, 1152 x 864	67.5	75	108	+/+
VESA, 1280 x 1024	64	60	108	+/+
VESA, 1280 x 1024	80	75	135	+/+
VESA, 1600 x 900	60	60	108	+/+
VESA, 1920 x 1080	67.5	60	148.5	+/+
VESA, 2048 x 1280	78.9	59.9	174.3	+/-
VESA, 2560 x 1440	88.8	60	241.5	+/-
VESA, 3840 x 2160	67.5	30	297	+/-
VESA, 3840 x 2160	135	60	594	+/-
VESA, 3840 x 2160	133.3	60	533.3	+/-

Electrical specifications

Model	P2721Q
Video input signals	• USB Type-C/DisplayPort, 600 mV for each differential line, 100 Ω input impedance per differential pair • HDMI 2.0, 600 mV for each differential line, 100 Ω input impedance per differential pair • DisplayPort 1.2, 600 mV for each differential line, 100 Ω input impedance per differential pair
AC input voltage/ frequency/current	100 VAC to 240 VAC/50 Hz or 60 Hz ± 3 Hz/2.5 A
Inrush current	• 120 V: 30 A (Max.) at 0°C (cold start) • 240 V: 60 A (Max.) at 0°C (cold start)
Power Consumption	0.2 W (Off Mode)[1] 0.3 W (Standby Mode)[1] 21.8 W (On Mode)[1] 138 W (Max)[2] 22 W (P_{on})[3] 66.7 kWh (TEC)[3]

[1] As defined in EU 2019/2021 and EU 2019/2013

[2] Max brightness and contrast setting with maximum power loading on all USB ports.

[3] P_{on} : Power consumption of On Mode as defined in Energy Star 8.0 version.
TEC: Total energy consumption in kWh as defined in Energy Star 8.0 version.

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.

NOTE: This monitor is ENERGY STAR certified.

This product qualifies for ENERGY STAR in the factory default settings which can be restored by "Factory Reset" function in the OSD menu. Changing the factory default settings or enabling other features may increase power consumption that could exceed the ENERGY STAR specified limit.

Physical characteristics

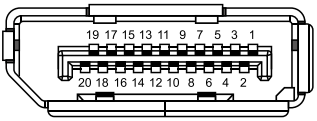
Model	P2721Q
Signal cable type	• DP to DP 1.8 m cable • USB Type-C (C to C) 1.8 m cable • USB Type-C (C to A) 1.8 m cable
NOTE: Dell monitors are designed to work optimally with the video cables that are shipped with your monitor. As Dell does not have control over the different cable suppliers in the market, the type of material, connector and process used to manufacture these cables, Dell does not guarantee video performance on cables that are not shipped with your Dell monitor.	
Dimensions (with stand)	
Height (extended)	535.2 mm (21.07 in.)
Height (compressed)	385.2 mm (15.17 in.)
Width	611.6 mm (24.08 in.)
Depth	185.0 mm (7.28 in.)
Dimensions (without stand)	
Height	360.7 mm (14.20 in.)
Width	611.6 mm (24.08 in.)
Depth	52.1 mm (2.05 in.)
Stand dimensions	
Height (extended)	428.3 mm (16.86 in.)
Height (compressed)	381.5 mm (15.02 in.)
Width	268.0 mm (10.55 in.)
Depth	185.0 mm (7.28 in.)
Weight	
Weight with packaging	9.7 kg (21.49 lb)
Weight with stand assembly and cables	7.2 kg (15.96 lb)
Weight without stand assembly (For wall mount or VESA mount considerations - no cables)	5.1 kg (11.20 lb)
Weight of stand assembly	1.8 kg (3.95 lb)
Middle frame gloss	2-4
Front bezel gloss	2-4

Environmental characteristics

Model	P2721Q
Compliant standards	
• ENERGY STAR certified monitor • EPEAT registered where applicable. EPEAT registration varies by country. See **https://www.epeat.net** for registration status by country. • RoHS-compliant • TCO certified displays • BFR/PVC free monitor (excluding external cables) • Meets NFPA 99 leakage current requirements. • Arsenic-free glass and Mercury-free for the panel only	
Temperature	
Operating	0°C to 40°C (32°F to 104°F)
Non-operating Storage / Shipping	-20°C to 60°C (-4°F to 140°F)
Humidity	
Operating	10% to 80% (non-condensing)
Non-operating Storage / Shipping	5% to 90% (non-condensing)
Altitude	
Operating	5,000 m (16,404 ft) (maximum)
Non-operating	12,192 m (40,000 ft) (maximum)
Thermal dissipation	• 470.6 BTU/hour (maximum) • 121.4 BTU/hour (typical)

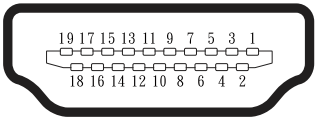
Pin assignments

DisplayPort connector



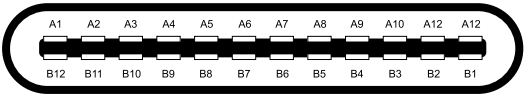
Pin number	20-pin side of the connected signal cable
1	ML3 (n)
2	GND
3	ML3 (p)
4	ML2 (n)
5	GND
6	ML2 (p)
7	ML1 (n)
8	GND
9	ML1 (p)
10	ML0 (n)
11	GND
12	ML0 (p)
13	GND
14	GND
15	AUX (p)
16	GND
17	AUX (n)
18	Hot Plug Detect
19	Re-PWR
20	+3.3 V DP_PWR

HDMI connector



Pin number	19-pin side of the connected signal cable
1	TMDS DATA 2+
2	TMDS DATA 2 SHIELD
3	TMDS DATA 2-
4	TMDS DATA 1+
5	TMDS DATA 1 SHIELD
6	TMDS DATA 1-
7	TMDS DATA 0+
8	TMDS DATA 0 SHIELD
9	TMDS DATA 0-
10	TMDS CLOCK+
11	TMDS CLOCK SHIELD
12	TMDS CLOCK-
13	CEC
14	Reserved (N.C. on device)
15	DDC CLOCK (SCL)
16	DDC DATA (SDA)
17	DDC/CEC Ground
18	+5 V POWER
19	HOT PLUG DETECT

USB Type-C port



Pin	Signal	Pin	Signal
A1	GND	**B12**	GND
A2	SSTXp1	**B11**	SSTXp1
A3	SSTXn1	**B10**	SSTXn1
A4	VBUS	**B9**	VBUS
A5	CC1	**B8**	SSU2
A6	Dp1	**B7**	Dn1
A7	Dn1	**B6**	Dp1
A8	SBU1	**B5**	CC2
A9	VBUS	**B4**	VBUS
A10	SSRXn2	**B3**	SSRXn2
A11	SSRXp2	**B2**	SSRXp2
A12	GND	**B1**	GND

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 computer can configure itself and optimize the monitor settings. Most monitor installations are automatic, you can select different settings as required. For more information about changing the monitor settings, see **Operating the monitor**.

Universal Serial Bus (USB) interface

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

NOTE: This monitor is SuperSpeed USB 5Gbps (USB 3.2 Gen1) and High-Speed USB 2.0 compatible.

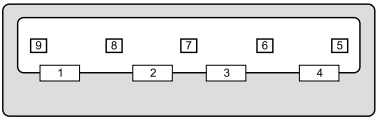
SuperSpeed USB 5Gbps (USB 3.2 Gen1)

Transfer speed	Data rate	Maximum power supported (each port)
Super-Speed	5 Gbps	4.5 W
High speed	480 Mbps	4.5 W
Full speed	12 Mbps	4.5 W

USB 2.0

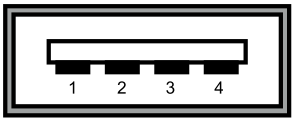
Transfer speed	Data rate	Maximum power supported (each port)
High speed	480 Mbps	2.5 W
Full speed	12 Mbps	2.5 W
Low speed	1.5 Mbps	2.5 W

USB 3.2 Gen1 (5Gbps) downstream port



Pin number	Signal
1	VBUS
2	D-
3	D+
4	GND
5	StdA_SSRX-
6	StdA_SSRX+
7	GND_DRAIN
8	StdA_SSTX-
9	StdA_SSTX+
10	Shield

USB 2.0 downstream port



Pin number	4-pin side of the connector
1	VCC
2	DMD
3	DPD
4	GND

NOTE: USB 3.2 Gen1 (5Gbps) functionality requires a USB 3.2 Gen1 (5Gbps)-capable computer.

NOTE: The monitor's USB ports work only when the monitor is on or in the Standby Mode. In Standby Mode, if the USB cable (Type-C to Type-C) is plugged in, the USB ports can work normally. Otherwise, follow the OSD setting of USB, if the setting is "On During Standby Mode" then USB work normally, otherwise USB is disabled. If you turn off the monitor and then turn it on, the attached peripherals may take a few seconds to resume normal functionality.

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 about Dell Monitor Quality and Pixel Policy, see **https://www.dell.com/support/monitors**.

Maintenance guidelines

Cleaning your monitor

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

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

For best practices, follow these instructions when unpacking, cleaning, or handling your monitor:

- To clean your anti-static screen, lightly dampen a soft and 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

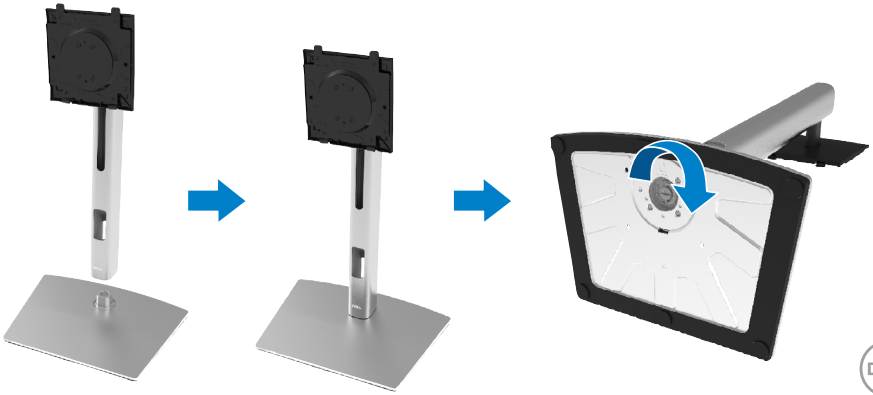
NOTE: The stand is not installed at the factory when shipped.

NOTE: The following instructions are applicable only for attaching the stand that was shipped with your monitor. If you are attaching a stand that you purchased from any other source, follow the set up instructions that were included with the stand.

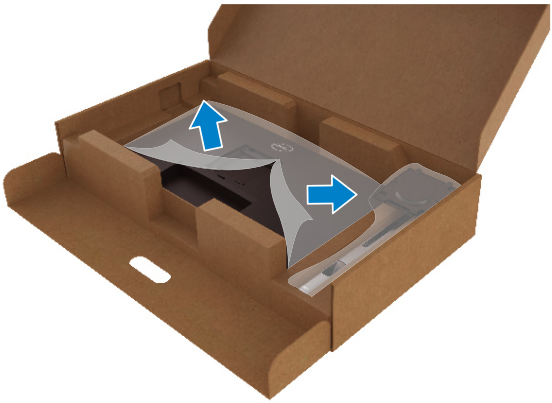
To attach the monitor stand:

1. Follow the instructions on the flaps of carton to remove the stand from the top cushion that secures it.
2. Remove the stand riser and stand base from the packaging cushion.

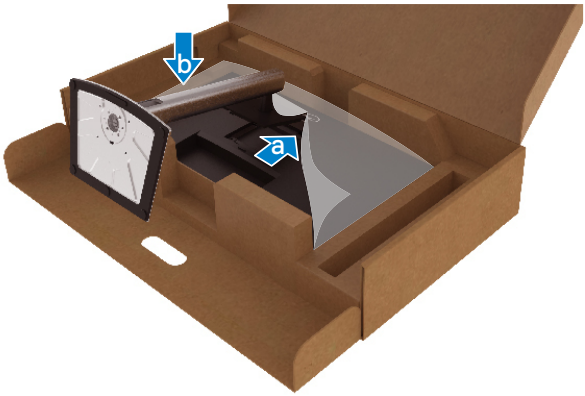
3. Insert the stand base blocks fully into the stand slot.
4. Lift the screw handle and turn the screw clockwise.
5. After fully tightening the screw, fold the screw handle flat within the recess.



6. Lift the PE bag, as shown, to expose the VESA area for stand assembly.



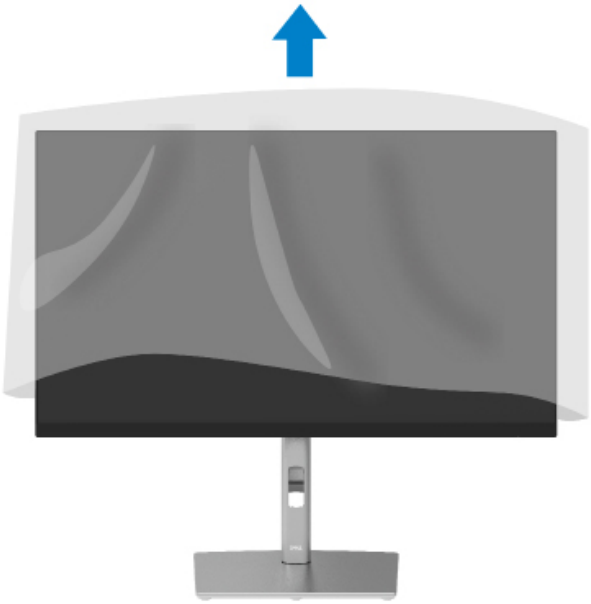
7. Attached the stand assembly to the monitor.
   a. Fit the two tabs on the upper part of the stand to the groove on the back of the monitor.
   b. Press the stand down till it snaps into place.



8. Place the monitor upright.

NOTE: Lift the monitor carefully to prevent it from slipping or falling.

9. Remove the PE bag from the monitor.



Connecting your monitor

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

NOTE: Dell monitors are designed to work optimally with Dell supplied inbox cables. Dell does not guarantee the video quality and performance when using non-Dell cables.

NOTE: Route the cables through the cable-management slot before connecting them.

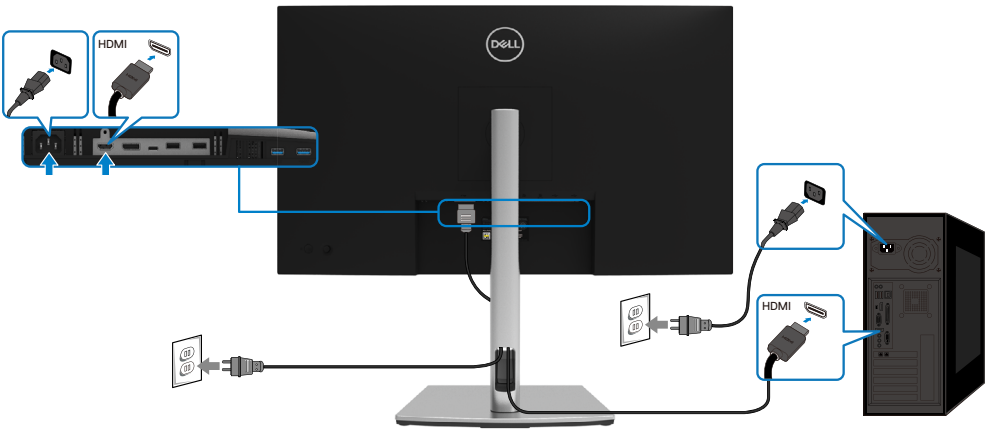
NOTE: Do not connect all cables to the computer at the same time.

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

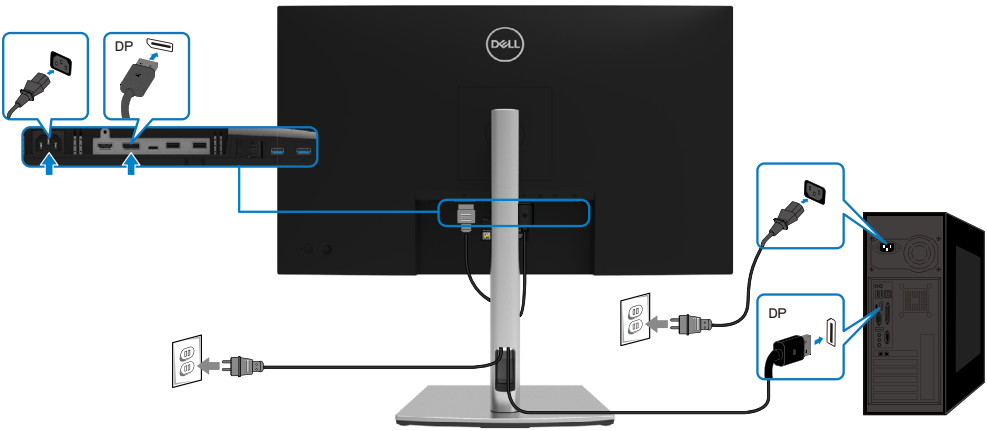
To connect your monitor to the computer:

1. Turn Off your computer and disconnect the power cable.
2. Connect the DisplayPort, HDMI, or Type-C cable from your monitor to the computer.
3. Switch on your monitor.
4. Select the correct input source at monitor OSD Menu and turn on your computer.

Connecting the HDMI cable (optional)



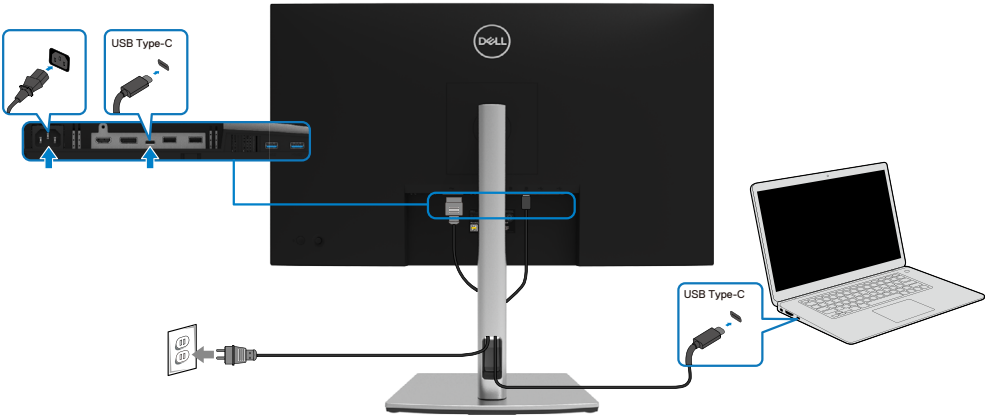
Connecting the DisplayPort (DisplayPort to DisplayPort) cable



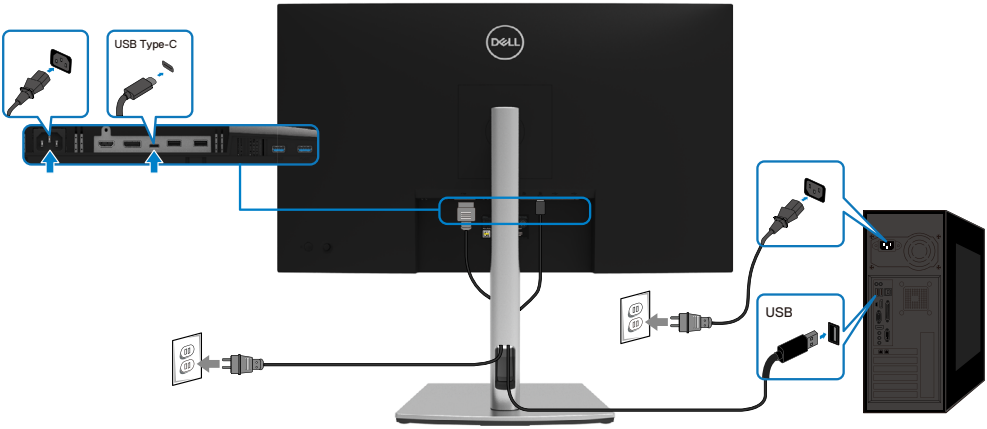
Connecting the USB Type-C cable (C to C)

The USB Type-C port on your monitor:

- Can be used as USB Type-C or DisplayPort 1.2, alternatively.
- Supports USB Power Delivery (PD), with profiles up to 65 W.



Connecting the USB Type-C cable (C to A)



Organizing your cables

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

Removing the monitor stand

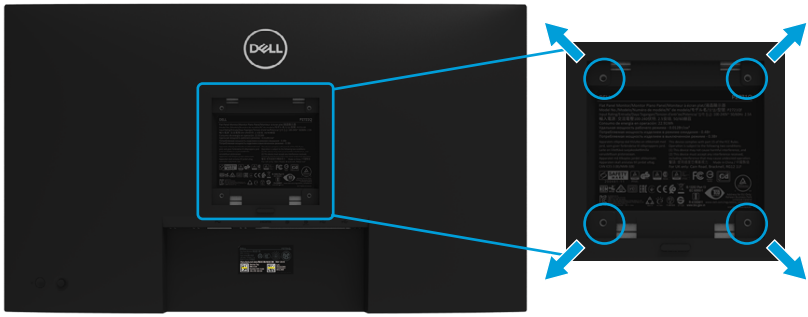
NOTE: To prevent scratches on the LCD screen when removing the stand, ensure that the monitor is placed on a soft, clean surface.

NOTE: The following instructions are applicable only for attaching the stand that was shipped with your monitor. If you are attaching a stand that you purchased from any other source, follow the set up instructions that were included with the stand.

To remove the stand:

1. Place the monitor on a soft cloth or cushion.
2. Press and hold the stand release button.
3. Lift the stand up and away from the monitor.

VESA wall mounting (optional)



(Screw dimension: M4 x 10 mm).

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

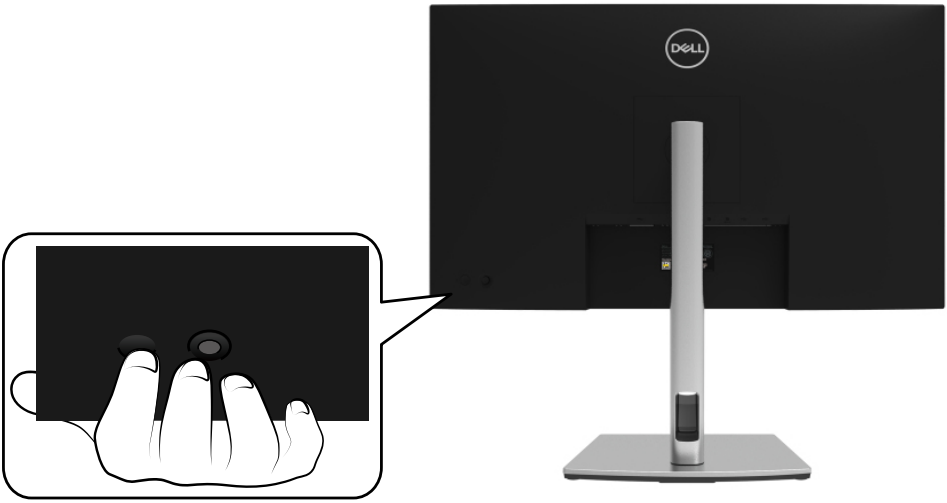
1. Place the monitor panel on a soft cloth or cushion on a stable flat table.
2. Remove the stand. (See **Removing the monitor stand**)
3. Use a Phillips crosshead screwdriver to remove the four screws securing the plastic cover.
4. Attach the mounting bracket from the wall mounting kit to the monitor.
5. Mount the monitor on the wall. For more information, see the documentation that shipped with the wall mounting kit.

NOTE: For use only with UL or CSA or GS-listed wall mount bracket with minimum weight or load bearing capacity of 20.4 kg.

Operating your monitor

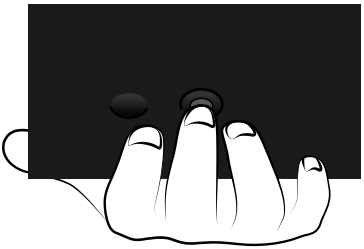
Power on the monitor

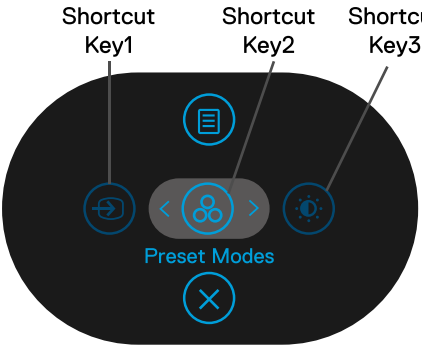
Press the Power button to turn On the monitor.



Using the back panel controls

Use the Joystick on the back of the monitor to adjust settings.



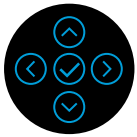


The following table describes the Joystick:

	Joystick	Description
1	**Shortcut key/ Input Source**	Use this button to choose from a list of video signals that may be connected to your monitor.
2	**Shortcut key/ Preset Modes**	Use this button to choose from a list of perset color modes.
3	**Shortcut key/ Brightness/Contrast**	For direct access to the Brightness and Contrast menu.
4	**Menu**	Use the MENU button to launch the On-Screen Display (OSD). See **Accessing the menu system**.
5	**Exit**	Use this button to exit the OSD main menu.

Back panel button

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



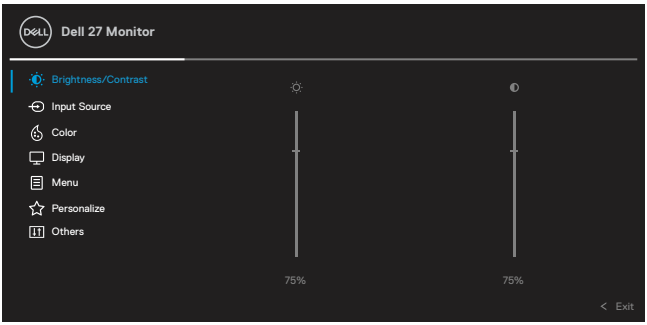
	Joystick	Description
1	**Up**	Use the **Up** button to adjust (increase ranges) items in the OSD menu.
2	**Down**	Use the **Down** button to adjust (decrease ranges) items in the OSD menu.
3	**Left**	For all first level in the Menu list, **Left** arrow will exit/close the OSD menu.
4	**Right**	For all other levels except first level in the Menu list, **Right** arrow will go to the next level.
5	**OK**	Use this **OK** button to confirm your selection.

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.

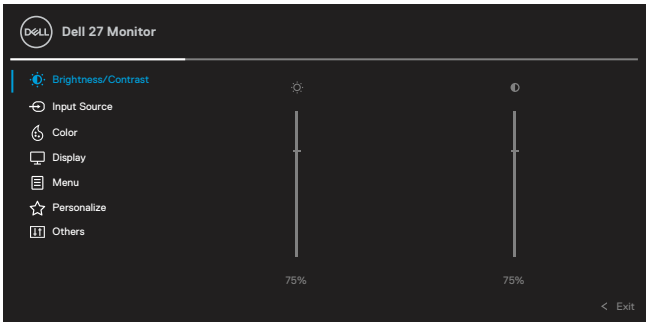
1. Select the icon to launch the OSD and display the main menu.

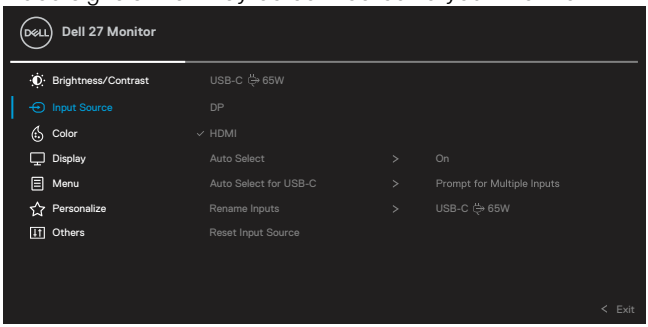


2. Press the or buttons to move between the setting options. As you move from one icon to another, the option name is highlighted. See the following table for a complete list of all the options available for the monitor.
3. Press the or button once to activate the highlighted option.

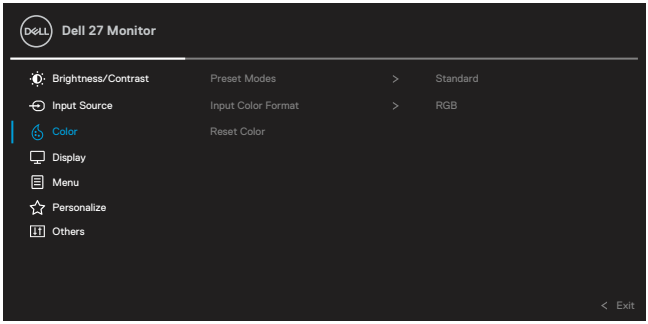
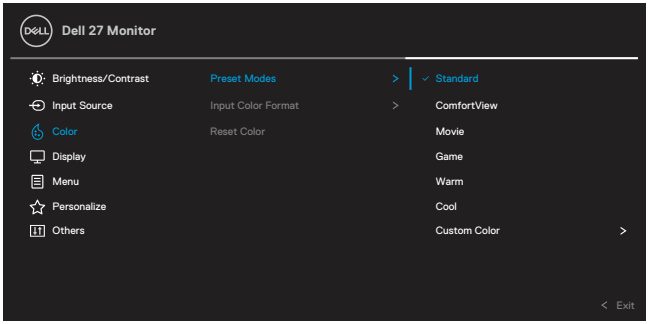
NOTE: The directional buttons (and the OK button) displayed may differ according to the menu you've selected. Use available buttons to make your selection.

4. Press the or to select the desired parameter.
5. Press to enter the submenu and then use the or directional Joystick, according to the indicators on the menu, to make your changes.
6. Select the to return to the main menu.

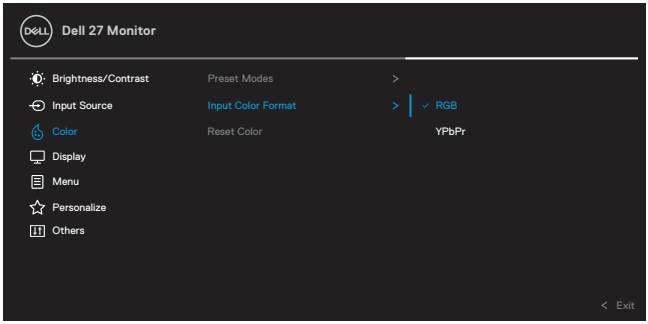
Icon	Menu and submenus	Description
	Brightness/ Contrast	Use this menu to activate **Brightness/Contrast** adjustment. 
	Brightness	**Brightness** adjusts the luminance of the backlight. Press the ⌃ button to increase the brightness and press the ⌄ button to decrease the brightness (min. 0 / max. 100).
	Contrast	Adjusts 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.

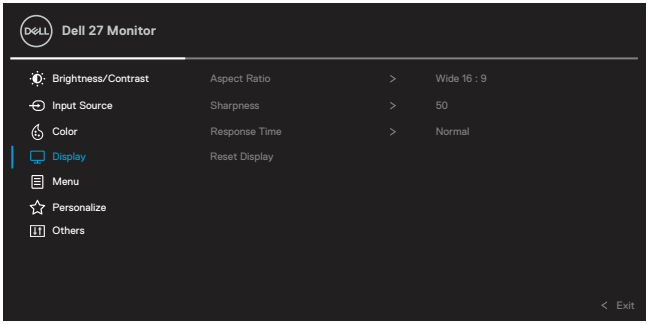
Icon	Menu and submenus	Description
	Input Source	Use the **Input Source** menu to select between the different video signals that may be connected to your monitor. 
	***USB-C® 65 W**	Select the **USB-C** input when you are using the USB-C connector. Press the ✓ button to confirm the selection.
	DP	Select the **DP** input when you are using the DisplayPort (DP) connector. Press the ✓ button to confirm the selection.
	HDMI	Select the **HDMI** input when you are using the HDMI connector. Press the ✓ button to confirm the selection.
	Auto Select	Turning on the function allows you to scan for available input sources.
	Auto Select for USB-C	Allows you to set Auto Select for USB-C to: · **Prompt for Multiple Inputs**: Always show Switch to USB-C Video Input message for user to choose whether to switch or not. · **Yes**: The monitor always switch to USB-C video without asking while USB-C connected. · **No**: The monitor will NOT auto switch to USB-C video from another available input.
	Rename Inputs	Allows you to rename the name of each input source.
	Reset Input Source	Resets your monitor input settings to the factory settings.

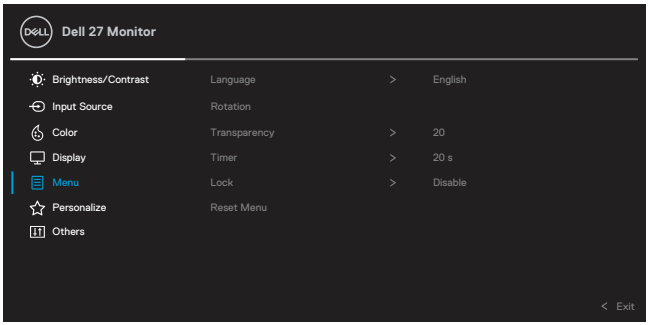
NOTE: *USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum.

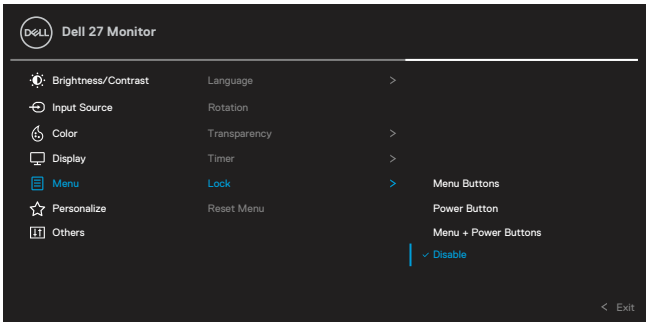
Icon	Menu and submenus	Description
	Color	Use **Color** menu to adjust the color setting mode. 
	Preset Modes	Allows you to choose from a list of preset color modes.  · **Standard**: Loads the monitor's default color settings. This is the default preset mode. · **ComfortView**: Decreases the level of blue light emitted from the screen to make viewing more comfortable for your eyes. **WARNING: The possible long-term effects of blue light emission from the monitor may cause personal injury such as digital eye strain, eye fatigue and damage to the eyes.** **Using monitor for extended periods of time may also cause pain in parts of body such as neck, arm, back and shoulder.**

Icon	Menu and submenus	Description
	Preset Modes	To reduce the risk of eye strain and neck/arm/back/shoulder pain from using the monitor for long periods of time, we suggest you to: **1.** Set the distance of the screen between 20 to 28 in. (50 - 70 cm) from your eyes. **2.** Blink frequently to moisten your eyes or wet your eyes with water after prolonged usage of the monitor. **3.** Take regular and frequent breaks for 20 minutes every two hours. **4.** Look away from your monitor and gaze at a distant object at 20 feet away for at least 20 seconds during the breaks. **5.** Perform stretches to relieve tension in the neck, arm, back, and shoulders during the breaks. · **Movie**: Loads color settings ideal for movies. · **Game**: Loads color settings ideal for most gaming applications. · **Warm**: Presents colors at lower color temperatures. The screen appears warmer with a red/yellow tint. · **Cool**: Presents colors at higher color temperatures. The screen appears cooler with a blue tint. · **Custom Color**: Allows you to manually adjust the color settings. Use the arrow buttons to adjust the three colors (R, G, B) values and create your own preset color mode.

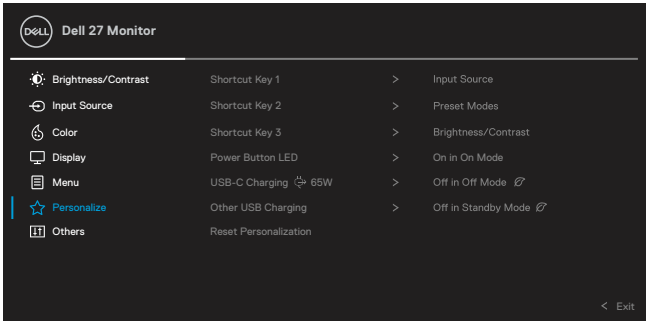
Icon	Menu and submenus	Description
	Input Color Format	Allows you to set the video input mode to: · **RGB**: Select this option if your monitor is connected to a computer (or media player) using the USB-C, DisplayPort, or HDMI cable. · **YPbPr**: Select this option if your media player supports only YPbPr output. Press the ⊙ button to confirm the selection. 
	Hue	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'. **NOTE: Hue** adjustment is available only when you select **Movie** or **Game** preset mode.
	Saturation	This feature can adjust the color saturation of the video image. Use ⌃ or ⌄ to adjust the saturation from '0' to '100'. **NOTE: Saturation** adjustment is available only when you select **Movie** or **Game** preset mode.
	Reset Color	Resets your monitor's color settings to the factory settings.

Icon	Menu and submenus	Description
	Display	Use the **Display** menu to adjust images. 
	Aspect Ratio	Adjusts the image ratio to **Wide 16:9**, **4:3**, or **5:4**.
	Sharpness	This feature can make the image look sharper or softer. Use ⌃ or ⌄ to adjust the sharpness from '0' to '100'.
	Response Time	Allows you to set the **Response Time** to **Normal** or **Fast**.
	Reset Display	Resets all display settings to the factory preset values.

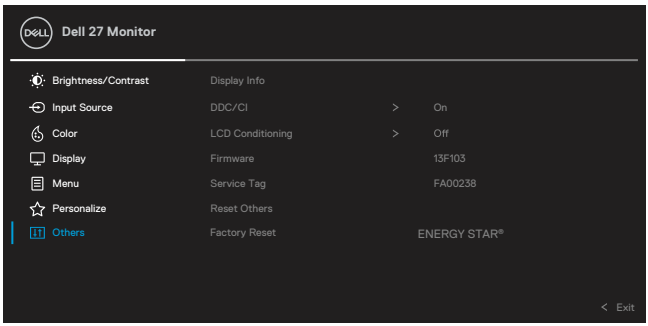
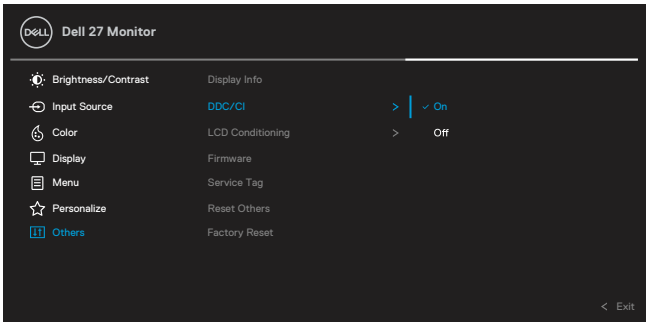
Icon	Menu and submenus	Description
	Menu	Select this option to adjust the settings of the OSD, such as the languages of the OSD, the amount of time the menu remains on screen, and so on. 
	Language	Sets the OSD display to one of the eight languages: English, Spanish, French, German, Brazilian Portuguese, Russian, Simplified Chinese, or Japanese.
	Rotation	Rotates the OSD by 90 degrees counter-clockwise and anticounter-clockwise. You can adjust the menu according to your **Display Rotation**.
	Transparency	Select this option to change the menu transparency by pressing the ⌃ and ⌄ buttons (min. 0 / max. 100).
	Timer	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.

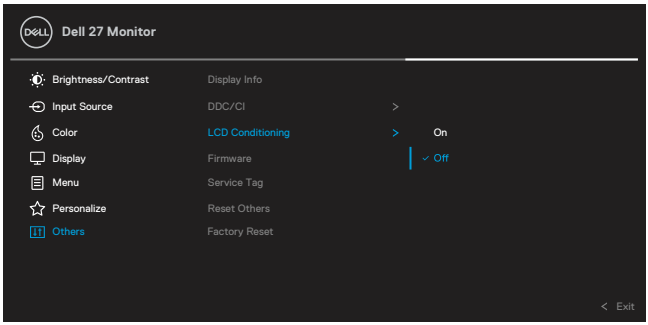
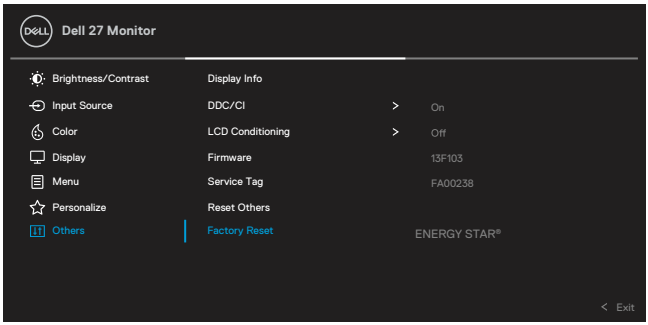
Icon	Menu and submenus	Description
	Lock	With the control buttons on the monitor locked, you can prevent people from accessing the controls. It also prevents accidental activation in multiple monitors side-by-side setup.  · **Menu Buttons**: All Menu/function buttons (except the Power button) are locked and not accessible by the user. · **Power Button**: Only the Power button is locked and not accessible by the user. · **Menu + Power Buttons**: Both the Menu/function & Power buttons are locked and not accessible by the user. The default setting is **Disable**. **NOTE:** To unlock the button(s), press-and-Hold in Up or Down or Left or Right direction for 4 secs.
	Reset Menu	Resets all OSD settings to the factory preset values.

Icon	Menu and submenus	Description
☆	**Personalize**	Selecting this option allows you to set three shortcut keys and power LED indicator function.



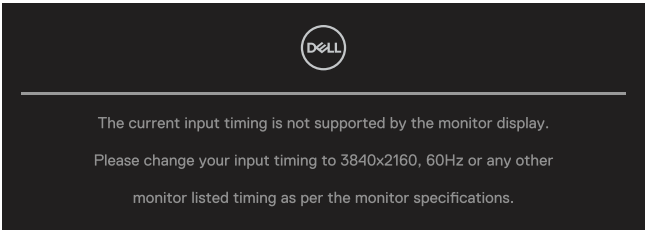
Shortcut Key 1 **Shortcut Key 2** **Shortcut Key 3**	Allows you to choose a feature from **Preset Modes**, **Brightness/Contrast**, **Input Source**, **Aspect Ratio**, **Rotation** or **Display Info,** and set it as a shortcut key.
Power Button LED	Allow you to set the power LED indicator on or off to save energy.
USB-C Charging 65 W	Allows you to enable or disable **Always On USB-C Charging** function during monitor Power Off mode. **Note:** Enabling this option on the monitor allows you to charge your notebook through the USB-C cable (C to C) even when the monitor is powered off.
Other USB Charging	Allows you to enable or disable USB-A & USB-C Downstream Ports charging function during monitor standby mode. **Note:** This option was previously called "USB" in older monitor firmware revisions.
Reset Personalization	Resets all settings under the **Personalize** menu to the factory preset values.

Icon	Menu and submenus	Description
	Others	Select this option to adjust the OSD settings, such as **DDC/CI**, **LCD Conditioning**, and so on. 
	Display Info	Displays the monitor's current settings.
	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 **Off**. Enable this feature for best user experience and optimum performance of your monitor. 

Icon	Menu and submenus	Description
	LCD Conditioning	Helps reduce minor cases of image retention. Depending on the degree of image retention, the program may take some time to run. You can enable this feature by selecting **On**. 
	Firmware	Frimware version.
	Service Tag	Displays the service tag of your monitor. This string is required when you look for phone support, check your warranty status, update drivers on Dell's website, etc.
	Reset Others	Resets all settings under the **Others** menu to the factory preset values.
	Factory Reset	Restore all preset values to the factory default settings. These are also the settings for ENERGY STAR® tests. 

OSD warning message

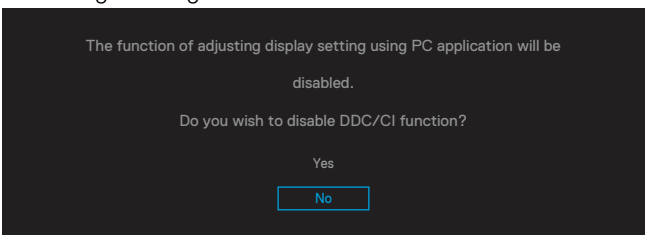
When the monitor does not support a particular resolution mode, you will see the following message:



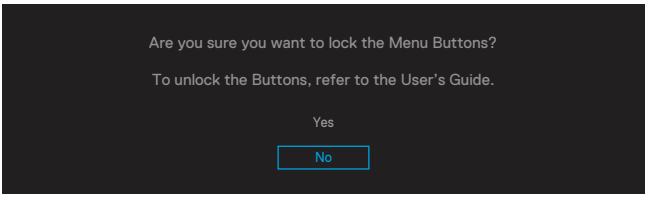
This means that the monitor cannot synchronize with the signal that it is receiving from the computer. See **Monitor specifications** for the Horizontal and Vertical frequency ranges addressable by this monitor. Recommended mode is 3840 x 2160.

NOTE: The message may be slightly different according to the connected input signal.

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

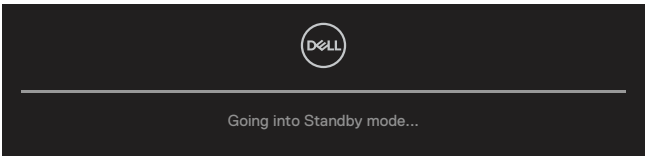


You will see the following message before the **Lock** function is activated:



NOTE: The message may be slightly different according to the selected settings.

When the monitor goes into power-save mode, the following message appears:

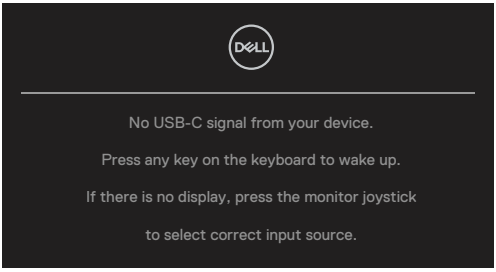


Activate the computer and wake up the monitor to gain access to the **OSD**.

NOTE: The message may be slightly different according to the connected input signal.

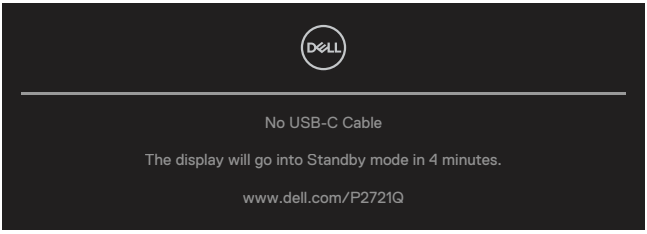
The OSD functions only in the normal operation mode. If you press any button other than the power button during the Active-off mode, the following message will appear depending on the selected input:

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



NOTE: The message may be slightly different according to the connected input signal.

If either USB-C, DP or HDMI input is selected and the corresponding cable is not connected, a floating dialog box appears.

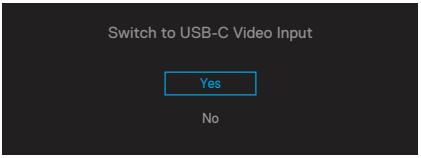


NOTE: The message may be slightly different according to the connected input signal.

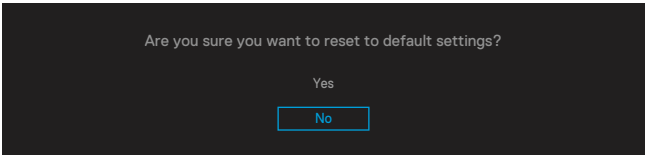
The following Power Warning Message box applies to **Brightness** functions for the first time when you adjust the Brightness level above the default level.

A message is displayed while the cable supporting DP alternate mode is connected to the monitor under the following conditions:

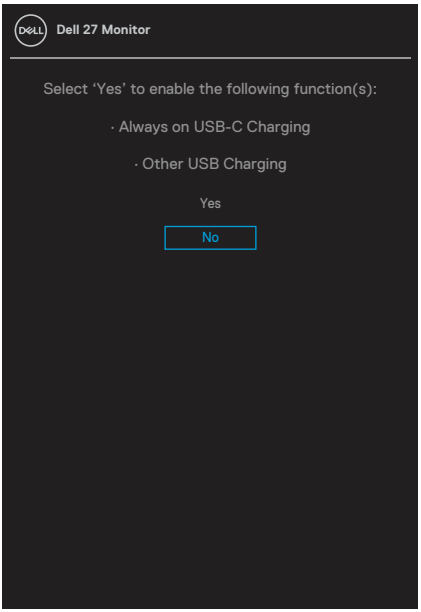
- When **Auto Select for USB-C** is set to **Prompt for Multiple Inputs**.
- When the **USB-C** cable is connected to the monitor.



When **Factory Reset** is selected, the following message appears:



When you select 'Yes' to reset to default settings, the following message will appear:



See **Troubleshooting** for more information.

Setting the maximum resolution

To set the maximum resolution for the monitor:

In Windows® 7, Windows® 8, and Windows® 8.1:

1. For Windows® 8 and 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 **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 **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 **https://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):

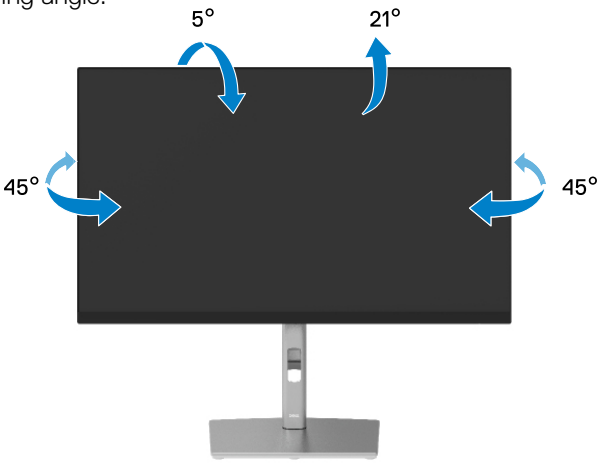
- Go to the support site for your computer and download the latest graphic drivers.
- Go to your graphics card website and download the latest graphic drivers.

Using the tilt, swivel, and vertical extension

NOTE: The following instructions are applicable only for attaching the stand that was shipped with your monitor. If you are attaching a stand that you purchased from any other source, follow the set up instructions that were included with the stand.

Tilt, swivel

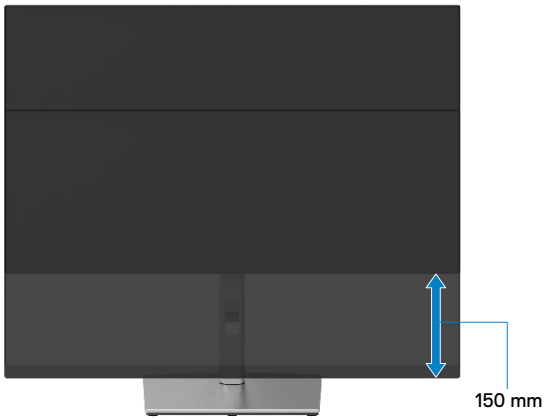
With the stand attached to the monitor, you can tilt and swivel the monitor for the most comfortable viewing angle.



NOTE: The stand is not installed at the factory when shipped.

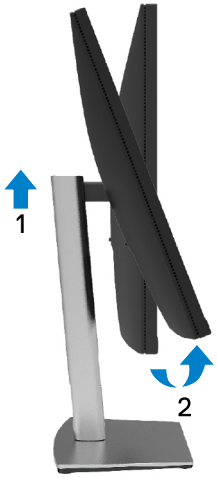
Vertical extension

NOTE: The stand extends vertically up to 150 mm. The figure below illustrates how to extend the stand vertically.



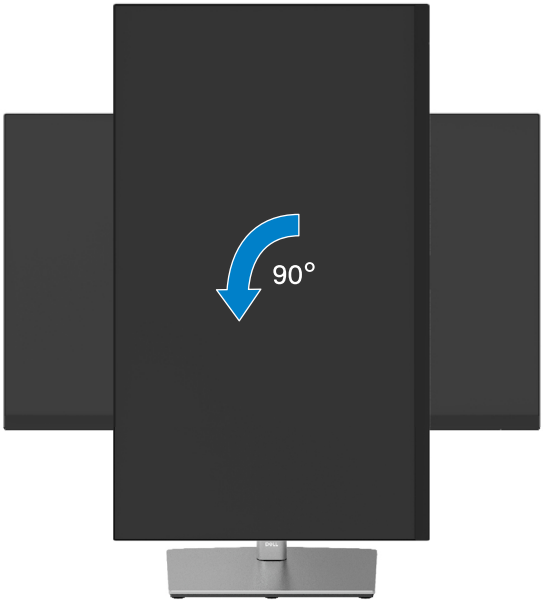
Rotating the monitor

Before you rotate the monitor, your monitor should be fully vertically extended (**Vertical extension**) and fully tilted up to avoid hitting the bottom edge of the monitor.



Rotate clockwise

Rotate counterclockwise



NOTE: To use the Display Rotation function (Landscape versus Portrait view) with your Dell computer, you require an updated graphics driver that is not included with this monitor. To download the graphics driver, go to https://www.dell.com/support and see the Download section for Video Drivers for latest driver updates.

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

Adjusting the rotation display settings of your system

After you have rotated your monitor, you need to complete the procedure below to adjust the Rotation Display Settings of your system.

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

To adjust the Rotation Display Settings:

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

NOTE: If you do not see the rotation option or it is not working correctly, go to https://www.dell.com/support and download the latest driver for your graphics card.

Troubleshooting

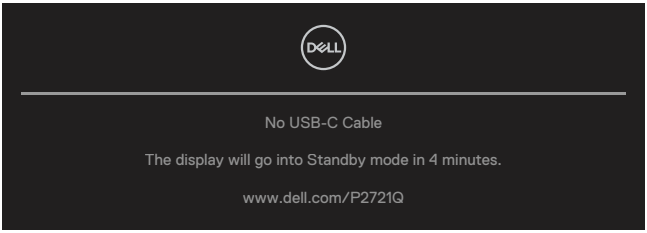
⚠ **WARNING: Before you begin any of the procedures in this section, follow the Safety instructions.**

Self-test

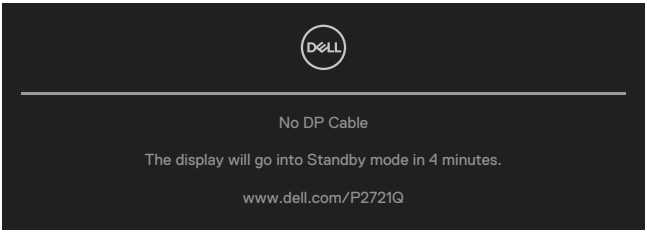
Your monitor provides a self-test feature that allows you to check whether your monitor is functioning properly. If your monitor and computer are properly connected but the monitor screen remains dark, run the monitor self-test by performing the following steps:

1. Turn Off both your computer and the monitor.
2. Unplug the video cable from the computer.
3. Turn On the monitor.

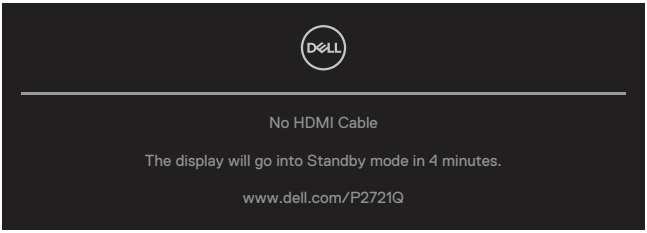
The floating dialog box should appear on-screen (against a black background), if the monitor cannot sense a video signal and is working correctly. While in self-test mode, the power LED remains white. Also, depending upon the selected input, one of the dialogs shown below will continuously scroll through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



or



or

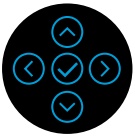


4. This message also appears during normal system operation, if the video cable becomes disconnected or damaged.
5. Turn Off your monitor and reconnect the video cable; then turn On both your computer and the monitor.

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



To run the built-in diagnostics:

1. Ensure that the screen is clean (no dust particles on the surface of the screen).
2. Press and hold in Up or Down or Left or Right direction for 4 secs and wait for a pop up nenu.
3. Use up or down direction to select the and press to confirm.

   A gray test pattern appers at the beginning of the diagnostic program.
4. Carefully inspect the screen for abnormalities.
5. Select Up or Down or Left or Right key to change the test patterns.
6. Repeat steps 4 and 5 to inspect red, green, blue, black, white and text screens.
7. When in White color test screen, check for white color uniformity and if there white color appears greenish/reddish, etc.
8. Press Up or Down or Left or Right key to end the diagnostic program.

Common problems

The following table provides 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	• Ensure that the video cable connecting the monitor and the computer is properly connected and secure. • Verify that the power outlet is functioning properly using any other electrical equipment. • Ensure that the power button is pressed fully. • Ensure that the correct input source is selected in the **Input Source** menu.
No video/ Power LED on	No picture or no brightness	• Increase brightness & contrast controls via OSD. • Perform monitor self-test feature check. • Check for bent or broken pins in the video cable connector. • Run the built-in diagnostics. • Ensure that the correct input source is selected in the **Input Source** menu.
No video/ at HDMI/ DisplayPort/ USB-C port	When connected to some dongle/ docking device at the port, there is no video when unpluging/pluging the Thunderbolt cable from the notebook	• Unplug the HDMI/DisplayPort/USB-C cable from dongle/docking device, then plug the docking Thunderbolt cable to the notebook. Plug the HDMI/DisplayPort/USB-C cable 7 seconds later.
Missing pixels	LCD screen has spots	• Cycle power On-Off. • Pixel that is permanently Off is a natural defect that can occur in LCD technology. • For more information about Dell Monitor Quality and Pixel Policy, see Dell support site at: **https://www.dell.com/support/monitors**.

Common symptoms	What you experience	Possible solutions
Stuck-on pixels	LCD screen has bright spots	• Cycle power On-Off. • Pixel that is permanently off is a natural defect that can occur in LCD technology. • For more information about Dell Monitor Quality and Pixel Policy, see Dell support site at: **https://www.dell.com/support/monitors**.
Brightness problems	Picture too dim or too bright	• Reset the monitor to factory settings. • Adjust brightness & contrast controls via OSD.
Synchronization problems	Screen is scrambled or appears torn	• Reset the monitor to factory settings. • Perform monitor self-test feature check to determine if the scrambled screen appears in self-test mode. • Check for bent or broken pins in the video cable connector. • Restart the computer in the safe mode.
Safety related issues	Visible signs of smoke or sparks	• Do not perform any troubleshooting steps. • Contact Dell immediately.
Intermittent problems	Monitor malfunctions on & off	• Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. • Reset the monitor to factory settings. • Perform monitor self-test feature check to determine if the intermittent problem occurs in self-test mode.
Missing color	Picture missing color	• Perform monitor self-test feature check. • Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. • Check for bent or broken pins in the video cable connector.
Wrong color	Picture color not good	• Change the settings of the **Preset Modes** in the **Color** menu OSD depending on the application. • Adjust R/G/B value under **Custom Color** in the **Color** menu OSD. • Run the built-in diagnostics.

Common symptoms	What you experience	Possible solutions
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	• Set the screen to turn off after a few minutes of screen idle time. These can be adjusted in Windows Power Options or Mac Energy Saver setting. • Alternatively, use a dynamically changing screensaver.

Product specific problems

Common Symptoms	What you experience	Possible Solutions
Screen image is too small	Image is centered on screen, but does not fill entire viewing area	• Check the **Aspect Ratio** setting in the **Display** menu OSD. • Reset the monitor to factory settings.
Cannot adjust the monitor with the Joystick on the back panel	OSD does not appear on the screen	• Turn Off the monitor, unplug the power cable, plug it back, and then turn On the monitor. • The OSD menu may be locked. Press and hold in Up or Down or Left or Right direction for 4 secs to unlock.
No Input Signal when user controls are pressed	No picture, the LED light is white	• Check the signal source. Ensure that the computer is not in the power saving mode by moving the mouse or pressing any key on the keyboard. • Check whether the signal cable is plugged in properly. Re-plug the signal cable if necessary. • Reset the computer or video player.
The picture does not fill the entire screen	The picture cannot fill the height or width of the screen	• Due to different video formats (aspect ratio) of DVDs, the monitor may display in full screen. • Run the built-in diagnostics.
No image when using USB-C connection to computer, laptop, and so on	Black screen	• Verify if the USB-C interface of the device can support DP alternate mode. • Verify if the device required more than 65 W power charging. • USB-C interface of device cannot support DP alternate mode. • Set Windows to Projection mode. • Ensure that the USB-C cable is not damaged.

Common Symptoms	What you experience	Possible Solutions
No charging when using USB-C connection to computer, laptop, and so on	No charging	• Verify if the device can support one of 5 V/9 V/15 V/20 V charging profiles. • Verify if the Notebook requires a > 65 W power adapter. • If the Notebook requires a > 65 W power adapter, it may not charge with the USB-C connection. • Ensure that you use only Dell approved adapter or the adapter that comes with the product. • Ensure that the USB-C cable is not damaged.
Intermittent charging when using USB-C connection to computer, laptop, and so on	Intermittent charging	• Check if the maximum power consumption of device is over 65 W. • Ensure that you use only Dell approved adapter or the adapter that comes with the product. • Ensure that the USB-C cable is not damaged.
No image when using DP connection to the PC.	Black screen	• Verify which DP standard (DP 1.1a or DP 1.2) is your Graphics Card certified to. Download and install the latest graphics card driver. • Some DP 1.1a graphics card cannot support DP 1.2 monitors. Go to OSD menu, under Input Source selection, press and hold DP select ⊘ key for 8 secs to change the monitor setting from DP 1.2 to DP 1.1a.

Universal Serial Bus (USB) specific problems

Common 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.
SuperSpeed USB 5Gbps (USB 3.2 Gen1) interface is slow	USB 3.2 Gen1 (5Gbps) peripherals working slowly or not working at all	• Check that your computer is USB 3.2 Gen1 (5Gbps)-capable. • Some computers have USB 3.2 Gen1 (5Gbps), 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.
Wireless USB peripherals stop working when a USB 3.2 Gen1 (5Gbps) device is plugged in	Wireless USB peripherals responding slowly or only working as the distance between itself and its receiver decreases	• Increase the distance between the USB 3.2 Gen1 (5Gbps) peripherals and the wireless USB receiver. • Position your wireless USB receiver as close as possible to the wireless USB peripherals. • Use a USB-extender cable to position the wireless USB receiver as far away as possible from the USB 3.2 Gen1 (5Gbps) port.

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 Safety, Environmental, and Regulatory Information (SERI).

FCC notices (U.S. only) and other regulatory information

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

Contact Dell

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

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

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

- Online technical assistance — **https://www.dell.com/support/monitors**
- Contacting Dell — **https://www.dell.com/contactdell**

EU product database for energy label and product information sheet

P2721Q: https://eprel.ec.europa.eu/qr/346005