Dell Pro 27 Plus QHD Monitor
P2725D
Dell Pro 27 Plus QHD USB-C Hub Monitor
P2725DE
Dell Pro 27 Plus 4K USB-C Hub Monitor
P2725QE

User's Guide

DELLTechnologies

Notes, cautions, and warnings

(i) **NOTE:** A NOTE indicates important information that helps you make better use of your product.

△ **CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.**

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

Contents

Safety instructions

Use the following safety guidelines to protect your monitor from potential damage and to ensure your personal safety. Unless otherwise noted, each procedure included in this document assumes that you have read the safety information that shipped with your monitor.

ⓘ **NOTE:** Before using the monitor, read the safety information that is shipped with your monitor and printed on the product. Keep the documentation at a secure location for future reference.

⚠ **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.**

△ **CAUTION: The possible long-term effect of listening to audio at high volume through the headphones (on a monitor that supports it) may damage your hearing ability.**

- Place the monitor on a solid surface and handle it carefully. The screen is fragile and can be damaged if dropped or hit with a sharp object.
- Ensure that your monitor is electrically rated to operate with the AC power available in your location.
- Keep the monitor in room temperature. Excessive cold or hot conditions can have an adverse effect on the liquid crystal of the display.
- Connect the power cable from the monitor to a wall outlet that is near and accessible. See Connecting your monitor.
- Do not place and use the monitor on a wet surface or near water.
- Do not subject the monitor to severe vibration or high impact conditions. For example, do not place the monitor inside a car trunk.
- Unplug the monitor when it is going to be left unused for an extended period.
- To avoid electric shock, do not attempt to remove any cover or touch the inside of the monitor.
- Read these instructions carefully. Keep this document for future reference. Follow all warnings and instructions that are marked on the product.
- Certain monitors can be wall mounted using the VESA mount that is sold separately. Ensure to use the correct VESA specifications as mentioned in the wall mounting section of the User's Guide.

For information about safety instructions, see the Safety, Environmental, and Regulatory I*nformation (SERI)* document that is shipped with your monitor.
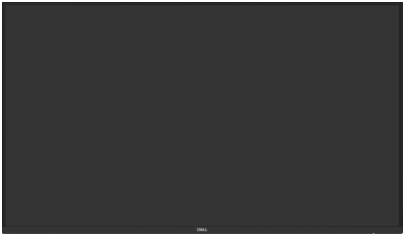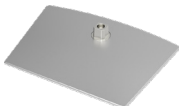
About your monitor
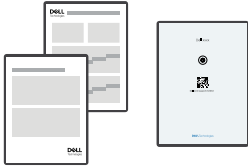
Package contents

The following table provides the list of components that are shipped with your monitor. If any component is missing, contact Dell. For more information, see Contacting Dell.

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

Table 1. Monitor components and descriptions.

Component image	Component description
	Display
	Stand riser
	Stand base
	Power cable (varies by country or region)
	DisplayPort to DisplayPort 1.4 cable (1.80 m)
	P2725D HDMI 2.0 cable (1.80 m) (*for selected countries only)
	P2725D USB Type-A to Type-B 5Gbps cable (1.80 m) (enables the USB ports on the monitor)

Component image	Component description
	P2725DE/P2725QE USB-C to C 10Gbps, 100W cable (1.00 m)
	P2725DE/P2725QE USB Type-C to Type-A 5Gbps cable (1.80 m)
	P2725DE/P2725QE Cable tie (Velcro strap)
	• Safety, Environmental, and Regulatory Information • QR card

ⓘ **NOTE:** *Check with the sales representative of the respective country or region.

Product features

The Dell **P2725D/P2725DE/P2725QE** flat panel monitor has an active matrix, Thin-Film Transistor (TFT), Liquid Crystal Display (LCD) panel with LED backlight. The monitor features include:

- 684.7 mm (27.0 in.) viewable area display (measured diagonally).
- **P2725D/P2725DE:** 2560 x 1440 resolution, with full-screen support for lower resolutions.
- **P2725QE:** 3840 x 2160 resolution, with full-screen support for lower resolutions.
- Wide viewing angle of 178 degrees in vertical and horizontal directions.
- Contrast ratio (1500:1).
- Color gamut of sRGB 99% (CIE 1931) (typical).
- **P2725D:** Digital connectivity with DisplayPort, HDMI, and USB Type-B upstream port.
- **P2725DE:** Digital connectivity with DisplayPort (in/out), HDMI, and USB-C.
- **P2725QE:** Digital connectivity with DisplayPort, HDMI, and USB-C.
- The **P2725D** monitor is equipped with:
  - 1x USB-C 5Gbps downstream port (Data only).
  - 3x USB 5Gbps Type-A downstream ports.
- The **P2725DE/P2725QE** monitor is equipped with:
  - 1x USB-C 5Gbps upstream port (DisplayPort 1.4 Alternate mode, Power Delivery up to 90W).
  - 1x USB-C 5Gbps downstream port.
  - 3x USB 5Gbps Type-A downstream ports.
- **P2725DE/P2725QE:** One USB-C with Power Delivery (90 W) with a compatible notebook while receiving video and data signal.
- **P2725DE/P2725QE:** USB-C and RJ45 ports to enable a single-cable, network-connected experience.
- Tilt, swivel, height, and rotate adjustment capabilities.
- Removable stand and Video Electronics Standards Association (VESA) 100 mm mounting holes for flexible mounting solutions.
- Plug-and-play capability if supported by your computer.
- On-Screen Display (OSD) adjustments for easy set up and screen optimization.
- Power and joystick buttons lock.
- Security-lock slot.
- Stand lock.
- Power consumption ≤ 0.3 W in Standby mode.

- Optimize eye comfort with a flicker-free screen.
- Arsenic-free glass and Mercury-free panel only.
- BFR/PVC free monitor (excluding external cables).
- Meets NFPA 99 leakage current requirement.
- TCO Certified and TCO Certified Edge.
- EPEAT registered where applicable, varies by country or region.
  See https://www.epeat.net for registration status by country.
- RoHS-compliant.
- Energy Star Certified.
- Dell ComfortView Plus is an integrated low blue light screen feature that improves eye comfort by reducing potentially harmful blue light emissions without compromising color. Through ComfortView Plus technology, Dell has reduced harmful blue light exposure from ≤ 50% to ≤ 35%. This monitor is certified with TÜV Rheinland Eye Comfort 3.0 with a 4-star rating. It incorporates key technologies that also deliver a flicker-free screen, up to 100 Hz refresh rate, a color gamut of minimum 95% sRGB. Dell ComfortView Plus feature is enabled by default on your monitor.
- This monitor uses a low blue light panel. When the monitor is reset to factory settings or default setting, it is in compliance with TÜV Rheinland's hardware low blue light certification.*

*This monitor is in compliance with TÜV Rheinland hardware low blue light certification under Category 2.

Blue light ratio:

The ratio of light in the range from 415nm-455nm compared to 400nm-500nm shall be less than 50%.

Table 2.   Blue light ratio.

Category	Blue light ratio
1	≤ 20%
2	20% < R ≤ 35%
3	35% < R ≤ 50%

- Decreases the level of hazard blue light emitted from the screen to make viewing more comfortable for your eyes without distortion of color accuracy.
- The monitor adopts Flicker-Free technology, which clears the eye visible flicker, brings comfort viewing experience and preventing users suffer from eye strain and fatigue.

About TÜV Rheinland Eye Comfort 3.0

TÜV Rheinland Eye Comfort 3.0 certification program presents a consumer-friendly star rating scheme to the display industry promoting eye wellness from safety to eye care. Compared to existing certifications, the 5-star-rating program adds rigorous testing requirements on overall eye care attributes such as low blue-light, flicker-free, refresh rate, color gamut, color accuracy and ambient light sensor performance. It lays out requirement metrics and rates the product performance on five levels, and the sophisticated technical assessment process provides consumers and buyers with indicators that are easier to judge.

The eye wellness factors being considered remain constant, however, the standards for the various star ratings are different. The higher the star rating, the more stringent the standards. The table below lists the major eye comfort requirements which apply in addition to the basic eye comfort requirements (such as pixel density, uniformity of luminance and color, and freedom of movement).

For more information around **TÜV Eye Comfort certification** *please refer to:*

https://www.tuv.com/world/en/eye-comfort.html

Table 3. Eye Comfort 3.0 Requirements.

		Eye Comfort 3.0 Requirements and Star Rating Scheme for Monitors		
Category	**Test item**	**Star Rating Scheme**		
		3-star	4-star	5-star
Eye Care	Low Blue Light	TÜV Hardware LBL Category III (≤50%) or Software LBL solution[1]	TÜV Hardware LBL Category II (≤35%) or Category I (≤20%)	TÜV Hardware LBL Category II (≤35%) or Category I (≤20%)
	Flicker Free	TÜV Flicker Reduced or TÜV Flicker Free	TÜV Flicker Reduced or TÜV Flicker Free	Flicker Free
Ambient Light Management	Ambient Light Sensor performance	No sensor	No sensor	Ambient light sensor
	Intelligent CCT control	No	No	Yes
	Intelligent Luminance control	No	No	Yes
Image quality	Refresh Rate	≥60 Hz	≥75 Hz	≥120 Hz
	Luminance uniformity	Luminance uniformity ≥ 75%		
	Color Uniformity	Color uniformity Δu′v′ ≤ 0.02		
	Freedom of movement	Luminance changes shall decrease less than 50%; The color shift shall be less than 0.01.		
	Gamma difference	Gamma difference ≤ ±0.2	Gamma difference ≤ ±0.2	Gamma difference ≤ ±0.2
	Wide color gamut[2]	NTSC[3] Min.72% (CIE 1931) or sRGB[4] Min.95% (CIE 1931)	sRGB[4] Min.95% (CIE 1931)	DCI-P3[5] Min.95% (CIE 1976) & sRGB[4] Min.95% (CIE 1931) or Adobe RGB[6] Min.95% (CIE 1931) & sRGB[4] Min.95% (CIE 1931)
Eye Comfort User Guide	User guide	Yes	Yes	Yes
Remark	[1] Software controls the blue light emission by reducing excessive blue light, resulting in a more yellow tone. [2] Color gamut describes the availability of colors in the display. Various standards were developed for specific purposes. 100% corresponds to the full color space as defined in the standard. [3] NTSC stands for National Television Standards Committee, which developed a color space for the television system that is used in the United States. [4] sRGB is a standard red, green, and blue color space that is in use on monitors, printers, and the World Wide Web. [5] DCI-P3, short for Digital Cinema Initiatives - Protocol 3, is a color space used in digital cinema that encompasses a wider range of colors than the standard RGB color space. [6] Adobe RGB is a color space created by Adobe Systems that encompasses a broader range of colors than the standard RGB color model, particularly in the cyans and greens.		

Operating system compatibility

- Windows 10/Windows 11 and later*

*The operating system compatibility on Dell and Alienware branded monitors may vary based on factors such as:

- Specific release date(s) when operating system versions, patches, or updates are available.
- Specific release date(s) when Dell and Alienware branded monitor firmware, software application, or driver updates are available on the Dell support website.

Identifying parts and controls

Front view
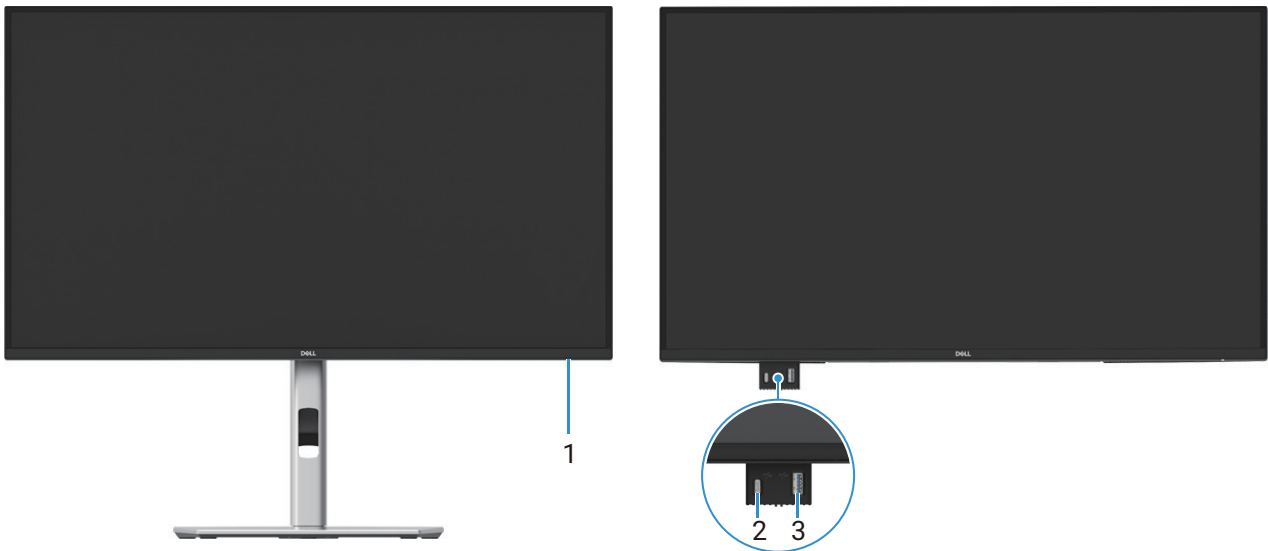
Figure 1. Front view of the monitor

Table 4. Components and descriptions.

Label	Description	Use
1	Power LED indicator	A solid white light indicates that the monitor is turned on and is functioning normally. Blinking white light indicates that the monitor is in Standby Mode.
2	USB-C 5Gbps downstream port (Data only)	Port with ⚡ icon supports 5 V/3 A. Connect your USB 5Gbps device.
3	USB 5Gbps Type-A downstream port	Port with ⚡ icon supports 5 V/0.9 A. Connect your USB 5Gbps 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.

ⓘ **NOTE:** To avoid signal interference, when a wireless USB device has been connected to a USB downstream port, it is not recommended to connect any other USB devices to the adjacent ports.

Back view

Back view with monitor stand

Figure 2.   Back view of the monitor

Table 5.   Components and descriptions.

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.
2	Regulatory label	Lists the regulatory approvals.
3	Stand release button	Releases stand from the monitor.
4	Barcode, serial number, and Service Tag label	See this label if you need to contact Dell for technical support. The Service Tag is a unique alphanumeric identifier that enables Dell service technicians to identify the hardware components in your monitor and access warranty information.
5	Power button	To turn the monitor on or off.
6	Joystick	Use it to control the OSD menu. For more information, see Operating your monitor.
7	Cable-management slot	Use to organize cables by inserting them through the slot.

Side view

Figure 3.   Side view of the monitor

Rear and bottom view

P2725D
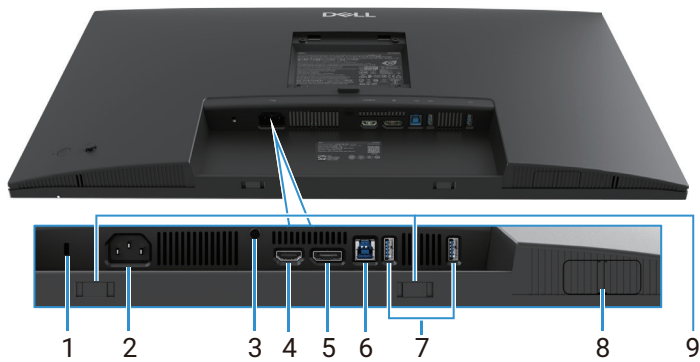
Figure 4. **Bottom view without monitor stand**

Table 6. Components and descriptions.

Label	Description	Use
1	Security-lock slot (based on Kensington Security Slot)	Secure your monitor using a security lock (purchased separately) to prevent unauthorized movement of your monitor.
2	Power connector	Connect the power cable (shipped with your monitor).
3	Stand-lock feature	Lock the stand to the monitor using a M3x6 mm screw (screw not included).
4	HDMI port	Connect your computer with the HDMI cable.
5	DisplayPort	Connect your computer with the DisplayPort cable.
6	USB 5Gbps Type-B upstream port	Connect the USB cable that came with your monitor to the computer. Once this cable is connected, you can use the USB connectors on the monitor.
7	USB 5Gbps Type-A downstream port	Port with ⬦ icon supports 5 V/0.9 A. Connect your USB device. You can use these ports only after you have connected the USB cable from the computer to the monitor. ⓘ **NOTE:** To avoid signal interference, when a wireless USB device has been connected to a USB downstream port, it is not recommended to connect any other USB devices to the adjacent ports.
8	Pop out QuickAccess port	For more information, see Front view.
9	Soundbar slots	Attach your external Soundbar (sold separately) to the monitor by aligning the magnetic tabs on the soundbar with the slots on the monitor.

P2725DE

Figure 5. **Bottom view without monitor stand**

Table 7. Components and descriptions.

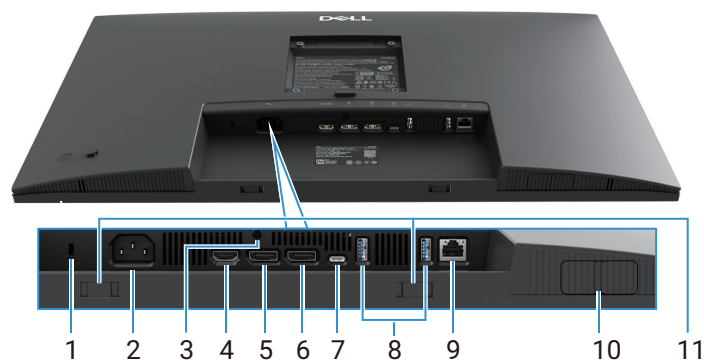| Label	Description	Use
1	Security-lock slot (based on Kensington Security Slot)	Secure your monitor using a security lock (purchased separately) to prevent unauthorized movement of your monitor.
2	Power connector	Connect the power cable (shipped with your monitor).
3	Stand-lock feature	Lock the stand to the monitor using a M3x6 mm screw (screw not included).
4	HDMI port	Connect your computer with the HDMI cable.
5	DisplayPort (in)	Connect your computer with the DisplayPort cable.
6	DisplayPort (out)	DisplayPort output for MST (multi-stream transport) capable monitor. To enable MST, see Connecting the monitor for DP Multi-Stream Transport (MST) function. ⓘ **NOTE:** Remove the rubber plug when using DisplayPort out connector.
7	USB-C	Connect to your computer using the USB-C to C cable. The Alternate mode with DP 1.4 support the maximum resolution of 2560 x 1440 at 100 Hz, PD 20 V/4.5 A, 15 V/3 A, 9 V/3 A, 5 V/3 A. ⓘ **NOTE:** USB-C is not supported on Windows versions that are prior to Windows 10.
8	USB 5Gbps Type-A downstream port	Port with icon supports 5 V/0.9 A. Connect your USB device. You can use these ports only after you have connected the USB cable from the computer to the monitor. ⓘ **NOTE:** To avoid signal interference, when a wireless USB device has been connected to a USB downstream port, it is not recommended to connect any other USB devices to the adjacent ports.
9	RJ-45 connector	Connect the device to a network through Ethernet. You can access internet-based services effectively only after you have connected the USB-C to C or USB Type-C to Type-A from the computer to the monitor.
10	Pop out QuickAccess port	For more information, see Front view.
11	Soundbar slots	Attach your external Soundbar (sold separately) to the monitor by aligning the magnetic tabs on the soundbar with the slots on the monitor.

P2725QE

Figure 6. **Bottom view without monitor stand**

Table 8. Components and descriptions.

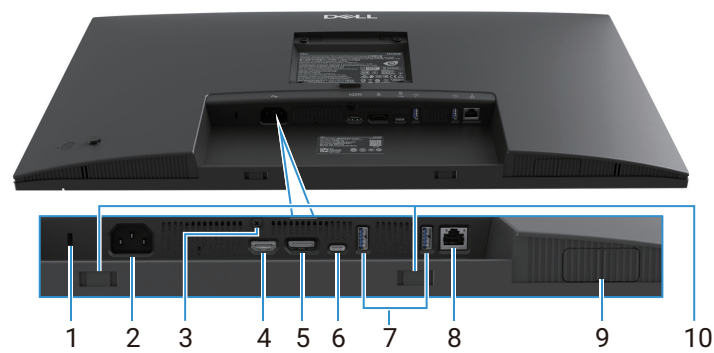| Label	Description	Use
1	Security-lock slot (based on Kensington Security Slot)	Secure your monitor using a security lock (purchased separately) to prevent unauthorized movement of your monitor.
2	Power connector	Connect the power cable (shipped with your monitor).
3	Stand-lock feature	Lock the stand to the monitor using a M3x6 mm screw (screw not included).
4	HDMI port	Connect your computer with the HDMI cable.
5	DisplayPort	Connect your computer with the DisplayPort cable.
6	USB-C	Connect to your computer using the USB-C to C cable. The Alternate mode with DP 1.4 support the maximum resolution of 3840 X 2160 at 100 Hz, PD 20 V/4.5 A, 15 V/3 A, 9 V/3 A, 5 V/3 A. ⓘ **NOTE:** USB-C is not supported on Windows versions that are prior to Windows 10.
7	USB 5Gbps Type-A downstream port	Port with ⬷ icon supports 5 V/0.9 A. Connect your USB device. You can use these ports only after you have connected the USB cable from the computer to the monitor. ⓘ **NOTE:** To avoid signal interference, when a wireless USB device has been connected to a USB downstream port, it is not recommended to connect any other USB devices to the adjacent ports.
8	RJ-45 connector	Connect the device to a network through Ethernet. You can access internet-based services effectively only after you have connected the USB-C to C or USB Type-C to Type-A from the computer to the monitor.
9	Pop out QuickAccess port	For more information, see Front view.
10	Soundbar slots	Attach your external Soundbar (sold separately) to the monitor by aligning the magnetic tabs on the soundbar with the slots on the monitor.

Monitor specifications

Table 9. Monitor specifications.

Model	P2725D	P2725DE	P2725QE
Screen type	Active matrix-TFT LCD	Active matrix-TFT LCD	Active matrix-TFT LCD
Panel technology	In-Plane Switching (IPS) Technology	In-Plane Switching (IPS) Technology	In-Plane Switching (IPS) Technology
Aspect ratio	16:9	16:9	16:9
Viewable image dimensions			
Diagonal	684.7 mm (27.0 in.)	684.7 mm (27.0 in.)	684.7 mm (27.0 in.)
Active area			
Horizontal	596.74 mm (23.49 in.)	596.74 mm (23.49 in.)	596.74 mm (23.49 in.)
Vertical	335.66 mm (13.22 in.)	335.66 mm (13.22 in.)	335.66 mm (13.22 in.)
Area	200302.79 mm^2 (310.47 in.^{2})	200302.79 mm^2 (310.47 in.^{2})	200302.79 mm^2 (310.47 in.^{2})
Pixel pitch			
Horizontal	0.2331 mm	0.2331 mm	0.1554 mm
Vertical	0.2331 mm	0.2331 mm	0.1554 mm
Pixel per inch (PPI)	109	109	163
Viewing angle			
Horizontal	178° (typical)	178° (typical)	178° (typical)
Vertical	178° (typical)	178° (typical)	178° (typical)
Brightness	350 cd/m² (typical)	350 cd/m² (typical)	350 cd/m² (typical)
Contrast ratio	1500 : 1 (typical)	1500 : 1 (typical)	1500 : 1 (typical)
Faceplate coating	Anti-glare with hard-coating 3H	Anti-glare with hard-coating 3H	Anti-glare with hard-coating 3H
Backlight	LED Edgelight System	LED Edgelight System	LED Edgelight System
Response time (Gray to Gray)	8 ms (**Normal** mode) 5 ms (**Fast** mode)	8 ms (**Normal** mode) 5 ms (**Fast** mode)	8 ms (**Normal** mode) 5 ms (**Fast** mode)
Color depth	16.7 million colors	16.7 million colors	1.07 billion colors
Color gamut	sRGB 99% (CIE 1931) (typical)	sRGB 99% (CIE 1931) (typical)	sRGB 99% (CIE 1931) (typical)
Connectivity	• One DisplayPort 1.4 (HDCP1.4)(Support up to 2560 x 1440 100Hz) • One HDMI port (HDCP1.4) (supports up to QHD 2560 x 1440 100 Hz TMDS as per specified in HDMI 2.1) • One USB 5Gbps Type-B upstream port • Two USB 5Gbps Type-A downstream ports Quick Access • One USB 5Gbps Type-A downstream port • One USB-C 5Gbps downstream port	• One DisplayPort 1.4 (HDCP1.4)(Support up to 2560 x 1440 100Hz) • One DisplayPort (out) port with MST (HDCP 1.4) • One HDMI port (HDCP1.4) (supports up to QHD 2560 x 1440 100 Hz TMDS as per specified in HDMI 2.1) • One USB-C 5Gbps upstream port (DisplayPort 1.4 Alternate mode, Power Delivery up to 90W) • Two USB 5Gbps Type-A downstream ports • One RJ45 Quick Access • One USB 5Gbps Type-A downstream port • One USB-C 5Gbps downstream port	• One DisplayPort 1.4 (HDCP2.3)(Support up to 3840 x 2160 100Hz) • One HDMI port (HDCP2.3) (supports up to UHD 3840 x 2160 100 Hz FRL as per specified in HDMI 2.1) • One USB-C 5Gbps upstream port (DisplayPort 1.4 Alternate mode, Power Delivery up to 90W) • Two USB 5Gbps Type-A downstream ports • One RJ45 Quick Access • One USB 5Gbps Type-A downstream port • One USB-C 5Gbps downstream port

Model	P2725D	P2725DE	P2725QE
Border width (edge of monitor to active area)			
Top	7.88 mm	7.88 mm	7.88 mm
Left/Right	7.88 mm/7.88 mm	7.88 mm/7.88 mm	7.88 mm/7.88 mm
Bottom	13.02 mm	13.02 mm	13.02 mm
Adjustability			
Height adjustable stand	0 mm to 150 mm	0 mm to 150 mm	0 mm to 150 mm
Tilt	-5° to 21°	-5° to 21°	-5° to 21°
Swivel	-45° to 45°	-45° to 45°	-45° to 45°
Pivot	-90° to 90°	-90° to 90°	-90° to 90°
Cable management	Yes	Yes	Yes
Dell display and peripheral manager compatibility	Easy Arrange and other key features	Easy Arrange and other key features	Easy Arrange and other key features
Security	Security-lock slot (cable lock sold separately)	Security-lock slot (cable lock sold separately)	Security-lock slot (cable lock sold separately)

Dell Display and Peripheral Manager (DDPM) for Windows

DDPM is a software application that helps you set up and configure the Dell monitors and peripherals. Some of its features include:

1. Adjusting the monitor On-Screen Display (OSD) settings such as brightness, contrast, and resolution without needing to use the joystick on the monitor.

2. Arrange multiple applications on your screen by placing them into a template of your choice using **Easy Arrange**.

3. Assign applications or files to the partitions of **Easy Arrange**, save the layout as a profile, and restore the profile automatically with **Easy Arrange Memory** when needed.

4. Connect the Dell Monitor to multiple input sources and manage these video inputs using the **Input Source** feature.

5. Customize each application with its own distinct color mode using the **Color Preset** feature.

6. Replicate software application settings from one monitor to another identical monitor using the **Import/Export** application settings feature.

7. Receive notifications and update the firmware and software.

8. A macOS version of DDPM software is also available for select display models. For the list of displays that support DDPM macOS version, see the knowledge base article 000201067 at https://www.dell.com/support.

ⓘ **NOTE:** Some features of the DDPM mentioned above are available only on select monitor models. For more information about DDPM, and the recommended computer configuration to install it, go to https://www.dell.com/support/ddpm.

Resolution specifications

Table 10. Resolution specifications.

Model	P2725D	P2725DE	P2725QE
Horizontal scan range	30 kHz to 151 kHz	30 kHz to 151 kHz	30 kHz to 227 kHz
Vertical scan range	48 Hz to 100 Hz	48 Hz to 100 Hz	48 Hz to 100 Hz
Maximum preset resolution	2560 x 1440 at 100 Hz	2560 x 1440 at 100 Hz	3840 x 2160 at 100 Hz

Supported video modes

Table 11. Supported video modes.

Model	P2725D
Video display capabilities (HDMI/DisplayPort)	480p at 60 Hz 576p at 50 Hz 720p at 50 Hz 720p at 60 Hz 1080p at 50 Hz 1080p at 60 Hz 1080p at 100 Hz

Table 12. Supported video modes.

Model	P2725DE	P2725QE
Video display capabilities (HDMI/DisplayPort/USB-C DP Alternate mode)	480p at 60 Hz 576p at 50 Hz 720p at 50 Hz 720p at 60 Hz 1080p at 50 Hz 1080p at 60 Hz 1080p at 100 Hz	480p at 60 Hz 576p at 50 Hz 720p at 50 Hz 720p at 60 Hz 1080p at 50 Hz 1080p at 60 Hz 1080p at 100 Hz 2160p at 24 Hz 2160p at 25 Hz 2160p at 30 Hz 2160p at 60 Hz 2160p at 100 Hz

DP Multi-Stream Transport (MST) modes

P2725DE

Table 13. USB-C Multi-Stream Transport (MST) modes.

MST source monitor	Maximum number of external monitor that can be supported
2560 x 1440 @ 100 Hz	3 (with USB-C DP Alternate mode)

Table 14. DisplayPort Multi-Stream Transport (MST) modes.

MST source monitor	Maximum number of external monitor that can be supported
2560 x 1440 @ 100 Hz	3

ⓘ **NOTE:** Host DP/USB-C port is HBR3 4 Lane condition.

Preset display modes

Table 15. Timing table - P2725D/P2725DE.

Display mode	Horizontal frequency (kHz)	Vertical frequency (Hz)	Pixel clock (MHz)	Sync polarity (Horizontal/Vertical)
VESA 640 x 480	31.5	59.9	25.2	-/-
VESA 640 x 480	37.5	75.0	31.5	-/-
VESA 720 x 400	31.5	70.1	28.3	-/+
VESA 800 x 600	37.9	60.3	40.0	+/+
VESA 800 x 600	46.9	75.0	49.5	+/+
VESA 1024 x 768	48.4	60.0	65.0	-/-
VESA 1024 x 768	60.0	75.0	78.8	+/+
VESA 1152 x 864	67.5	75.0	108.0	+/+
VESA 1280 x 720	45.0	59.9	74.3	-/+
VESA 1280 x 720	56.5	74.8	95.8	-/+
VESA 1280 x 1024	64.0	60.0	108.0	+/+
VESA 1280 x 1024	80.0	75.0	135.0	+/+
VESA 1600 x 900	60.0	60.0	108.0	+/+
VESA 1920 x 1080	67.5	60.0	148.5	+/+
1920 x 1080	110.0	100.0	228.8	+/-
VESA 2560 x 1440	88.8	60.0	241.5	+/-
VESA 2650 x 1440	150.9	100.0	410.5	+/-

Table 16. Timing table - P2725QE.

Display mode	Horizontal frequency (kHz)	Vertical frequency (Hz)	Pixel clock (MHz)	Sync polarity (Horizontal/Vertical)
VESA 640 x 480	31.5	59.9	25.2	-/-
VESA 640 x 480	37.5	75.0	31.5	-/-
VESA 720 x 400	31.5	70.1	28.3	-/+
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 720	44.8	60.0	74.7	+/+
VESA 1280 x 720	56.5	74.9	96.0	-/+
VESA 1152 x 864	67.5	75.0	108.0	+/+
VESA 1280 x 1024	64.0	60.0	108.0	+/+
VESA 1600 x 900	60.0	60.0	108.0	+/+
VESA 1920 x 1080	67.5	60.0	148.5	+/+
1920 x 1080	110.0	100.0	228.8	+/-
VESA 2650 x 1440	150.9	100.0	410.5	+/-
VESA 3840 x 2160	65.6	30.0	262.7	+/-
VESA 3840 x 2160	133.3	60.0	533.3	+/-
VESA 3840 x 2160	226.5	100.0	906.0	+/-

Electrical specifications

Table 17. P2725D - Electrical specifications.

Model	P2725D
Video input signals	• HDMI 2.1* (TMDS), 100 Ω input impedance per differential pair • DisplayPort 1.4, 100 Ω input impedance per differential pair
Input voltage/frequency/current	100 VAC to 240 VAC/50 Hz or 60 Hz ± 3 Hz/1.5 A (typical)
Inrush current	• 120 V : 30 A (maximum) at 0°C (cold start) • 240 V : 60 A (maximum) at 0°C (cold start)
Power Consumption	• 0.3 W (Off mode)[1] • 0.3 W (Standby mode)[1] • 18.8 W (On mode)[1] • 75 W (Max)[2] • 18.4 W (P_{on})[3] • 58.12 kWh (TEC)[3]

* HDMI port (HDCP1.4) (supports up to QHD 2560 x 1440 100 Hz TMDS as per specified in HDMI 2.1)

Table 18. P2725DE - Electrical specifications.

Model	P2725DE
Video input signals	• HDMI 2.1* (TMDS)/DisplayPort 1.4*, 100 Ω input impedance per differential pair • USB-C (with DP Alternate mode) signal input support
Input voltage/frequency/current	100 VAC to 240 VAC/50 Hz or 60 Hz ± 3 Hz/3.0 A (typical)
Inrush current	• 120 V : 30 A (maximum) at 0°C (cold start) • 240 V : 60 A (maximum) at 0°C (cold start)
Power Consumption	• 0.3 W (Off mode)[1] • 0.3 W (Standby mode)[1] • 19.6 W (On mode)[1] • 200 W (Max)[2] • 20.0 W (P_{on})[3] • 64.51 kWh (TEC)[3]

* HDMI port (HDCP1.4) (supports up to QHD 2560 x 1440 100 Hz TMDS as per specified in HDMI 2.1)

* DisplayPort and USB-C (DisplayPort 1.4 Alternate mode): HBR3 is supported.

Table 19. P2725QE - Electrical specifications.

Model	P2725QE
Video input signals	• USB-C/DisplayPort*, 100 Ω input impedance per differential pair • HDMI 2.1* (FRL), 100 Ω input impedance per differential pair
Input voltage/frequency/current	100 VAC to 240 VAC/50 Hz or 60 Hz ± 3 Hz/3.0 A (typical)
Inrush current	• 120 V : 30 A (maximum) at 0°C (cold start) • 240 V : 60 A (maximum) at 0°C (cold start)
Power Consumption	• 0.3 W (Off mode)[1] • 0.3 W (Standby mode)[1] • 25.5 W (On mode)[1] • 200 W (Max)[2] • 25.63 W (P_{on})[3] • 82.17 kWh (TEC)[3]

* HDMI port (HDCP2.3) (supports up to UHD 3840 x 2160 100 Hz FRL as per specified in HDMI 2.1)

* DisplayPort and USB-C (DisplayPort 1.4 Alternate mode): HBR3 is supported.

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

[2] Max brightness and contrast setting.

[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.

(i) **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

Table 20. Physical characteristics.

Model	P2725D	P2725DE	P2725QE
Signal cable type:	• DisplayPort, 20 pins • HDMI, 19 pins • USB Type-A to Type-B, 9 pins	• DisplayPort, 20 pins • HDMI, 19 pins • USB-C, 24 pins • USB Type-C to Type-A, 24 pins to 9 pins	• DisplayPort, 20 pins • HDMI, 19 pins • USB-C, 24 pins • USB Type-C to Type-A, 24 pins to 9 pins
ⓘ **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)	535.70 mm (21.09 in.)	535.70 mm (21.09 in.)	535.70 mm (21.09 in.)
Height (compressed)	385.70 mm (15.19 in.)	385.70 mm (15.19 in.)	385.70 mm (15.19 in.)
Width	612.50 mm (24.11 in.)	612.50 mm (24.11 in.)	612.50 mm (24.11 in.)
Depth	192.16 mm (7.57 in.)	192.16 mm (7.57 in.)	192.16 mm (7.57 in.)
Dimensions (without stand):			
Height	356.55 mm (14.04 in.)	356.55 mm (14.04 in.)	356.55 mm (14.04 in.)
Width	612.50 mm (24.11 in.)	612.50 mm (24.11 in.)	612.50 mm (24.11 in.)
Depth	49.99 mm (1.97 in.)	49.99 mm (1.97 in.)	49.99 mm (1.97 in.)
Stand dimensions:			
Height (extended)	428.30 mm (16.86 in.)	428.30 mm (16.86 in.)	428.30 mm (16.86 in.)
Height (compressed)	381.50 mm (15.02 in.)	381.50 mm (15.02 in.)	381.50 mm (15.02 in.)
Width	272.84 mm (10.74 in.)	272.84 mm (10.74 in.)	272.84 mm (10.74 in.)
Depth	189.00 mm (7.44 in.)	189.00 mm (7.44 in.)	189.00 mm (7.44 in.)
Base	272.84 x 189.00 mm (10.74 in. x 7.44 in.)	272.84 x 189.00 mm (10.74 in. x 7.44 in.)	272.84 x 189.00 mm (10.74 in. x 7.44 in.)
Weight:			
Weight with packaging	8.67 kg (19.11 lb)	8.93 kg (19.69 lb)	9.02 kg (19.89 lb)
Weight with stand assembly and cables	6.27 kg (13.82 lb)	6.59 kg (14.53 lb)	6.60 kg (14.55 lb)
Weight without stand assembly (For wall mount or VESA mount considerations - no cables)	4.28 kg (9.44 lb)	4.60 kg (10.14 lb)	4.62 kg (10.19 lb)
Weight of stand assembly	1.60 kg (3.53 lb)	1.60 kg (3.53 lb)	1.61 kg (3.55 lb)
Front-frame gloss	Black frame 2-4 gloss units	Black frame 2-4 gloss units	Black frame 2-4 gloss units

Environmental characteristics

Table 21. Environmental characteristics.

| Model	P2725D/P2725DE/P2725QE
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 (maximum)	5,000 m (16,404 ft)
Non-operating (maximum)	12,192 m (40,000 ft)
Thermal dissipation	**P2725D** 255.9 BTU/hour (maximum) 64.1 BTU/hour (on mode) **P2725DE** 682.4 BTU/hour (maximum) 66.9 BTU/hour (on mode) **P2725QE** 682.4 BTU/hour (maximum) 87.0 BTU/hour (on mode)
Compliant standards	• ENERGY STAR certified monitor. • EPEAT registered where applicable. EPEAT registration varies by country or region. See https://www.epeat.net for registration status by country. • RoHS-compliant. • TCO Certified and TCO Certified edge. • BFR/PVC free monitor (excluding external cables). • Arsenic-free glass and Mercury-free for the panel only. • Meets NFPA 99 leakage current requirement.

Pin assignments

DisplayPort (in)
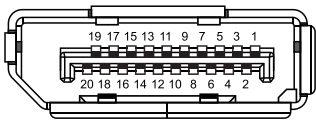
Figure 7. **DisplayPort connector (in)**

Table 22. Pin assignments (DP).

Pin number	Signal assignment
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

DisplayPort (out)
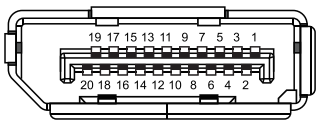
Figure 8. **DisplayPort connector (out)**

Table 23. Pin assignments (DP).

Pin number	Signal assignment
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	CONFIG1
14	CONFIG2
15	AUX CH (p)
16	GND
17	AUX CH (n)
18	Hot Plug Detect
19	Return
20	DP_PWR

HDMI
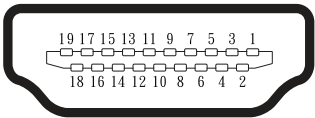
Figure 9. HDMI connector

Table 24. Pin assignments (HDMI).

Pin number	Signal assignment
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

Universal Serial Bus (USB) interface

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

USB 5Gbps

Table 25.   USB information (USB 5Gbps).

Transfer speed	Data rate	Maximum power supported (each port)
USB 5Gbps	5Gbps	4.5 W
USB 2.0	480 Mbps	4.5 W
USB 1.0	12 Mbps	4.5 W

USB-C

Table 26.   USB information (USB 5Gbps).

USB-C	Description
Video	DisplayPort 1.4*
Data	USB 5Gbps
Power Delivery (PD)	Up to 90 W

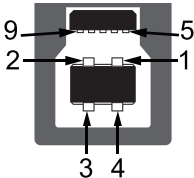*HBR3 is supported.

USB 5Gbps Type-B upstream port

Figure 10.   **USB 5Gbps Type-B upstream connector**

Table 27.   Pin assignments (USB 5Gbps Type-B upstream).

Pin number	Signal assignment
1	VCC
2	D-
3	D+
4	GND
5	SSTX-
6	SSTX+
7	GND
8	SSRX-
9	SSRX+

USB 5Gbps Type-A downstream port

Figure 11.   USB 5Gbps Type-A downstream connector

Table 28.   Pin assignments (USB 5Gbps Type-A downstream).

Pin number	Signal assignment
1	VCC
2	D-
3	D+
4	GND
5	SSRX-
6	SSRX+
7	GND
8	SSTX-
9	SSTX+

USB-C port
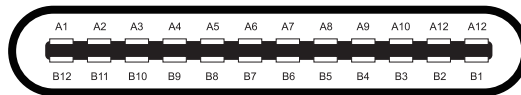
Figure 12.   USB-C connector

Table 29. Pin assignments (USB-C).

Pin number	Signal assignment	Pin number	Signal assignment
A1	GND	B1	GND
A2	TX1+	B2	TX2+
A3	TX1-	B3	TX2-
A4	VBUS	B4	VBUS
A5	CC1	B5	CC2
A6	D+	B6	D+
A7	D-	B7	D-
A8	SBU1	B8	SBU2
A9	VBUS	B9	VBUS
A10	RX2-	B10	RX1-
A11	RX2+	B11	RX1+
A12	GND	B12	GND

USB ports

P2725D

- 1x USB 5Gbps Type-B upstream - rear
- 3x USB 5Gbps Type-A downstream - rear (2) and front (1)
- 1x USB-C 5Gbps downstream - front

P2725DE/P2725QE

- 1x USB-C 5Gbps upstream - rear
- 3x USB 5Gbps Type-A downstream - rear (2) and front (1)
- 1x USB-C 5Gbps downstream - front

ⓘ **NOTE:** USB 5Gbps functionality requires a USB 5Gbps-capable computer.

ⓘ **NOTE:** The USB ports on the monitor work only when the monitor is turned on or in Standby mode. If you turn off the monitor and then turn it on, the attached devices may take a few seconds to resume normal functionality.
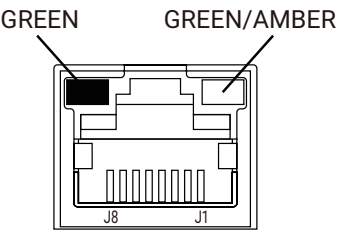
RJ45

GREEN   GREEN/AMBER

J8   J1

Figure 13.   **RJ45 Port connector**

Table 30.   Pin assignments (RJ45).

Pin number	10BASE-T/100BASE-TX signal	1000BASE-T/T signal
1	TD1+	DA+
2	TD1-	DA-
3	RD+	DB+
4	Not used	DC+
5	Not used	DC-
6	RD-	DB-
7	Not used	DD+
8	Not used	DD-

Driver installation

You can install the Realtek USB GbE Ethernet Controller Driver available for your computer available for download at https://www.dell.com/support under the **Driver and download** section.

ⓘ **NOTE:** Network (RJ45) data rate via USB-C max speed is 1000 Mbps.

ⓘ **NOTE:** This LAN port is 1000Base-T IEEE 802.3az compliant, supporting MAC Address (Printed on model label) Pass-thru (MAPT), Wake-on-LAN (WoL) from standby mode (S3/S4*/S5) and UEFI**PXE Boot function, these three features depend on BIOS setting and operating system version.

* S4/S5 WoL is only supported on limited Dell Ecosystems.

** UEFI stands for Unified Extensible Firmware Interface.

RJ45 LED Status
P2725DE/P2725QE

Figure 14. RJ45 Connector LED Status

Table 31. RJ45 Connector LED information.

Label	LED	Color	Description
1	Left LED	Green	Link / Activity indicator: • Blinking - Activity on the port. • Green On - Link is being established. • Off - Link is not established.
2	Right LED	Amber or Green	Speed indicator: • Amber On - 1000 Mbps • Green On - 100 Mbps • Off - 10 Mbps

ⓘ **NOTE:** RJ45 cable is not part of the standard accessory box.

Plug and play capability

You can connect the monitor to any Plug-and-Play compatible computer. 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 your monitor.

LCD monitor quality and pixel policy

During the LCD monitor manufacturing process, it is normal 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 www.dell.com/pixelguidelines.

Ergonomics

⚠ **CAUTION: Improper or prolonged usage of keyboard may result in injury.**

⚠ **CAUTION: Viewing the monitor screen for extended periods of time may result in eye strain.**

For comfort and efficiency, observe the following guidelines when setting up and using your computer workstation:

- Position your computer so that the monitor and keyboard are directly in front of you as you work. Special shelves are commercially available to help you correctly position your keyboard.
- To reduce the risk of eye strain and neck, arm, back, or shoulder pain from using the monitor for long periods of time, we recommend you to:
  - Set the distance of the screen between 20 to 28 in. (50 - 70 cm) from your eyes.
  - Blink frequently to moisten your eyes or wet your eyes with water after prolonged usage of the monitor.
  - Take regular and frequent breaks for 20 minutes every two hours.
  - Look away from your monitor and gaze at a distant object at 20 feet away for at least 20 seconds during the breaks.
  - Perform stretches to relieve tension in the neck, arm, back, and shoulders during the breaks.
- Ensure that the monitor screen is at eye level or slightly lower when you are sitting in front of the monitor.
- Adjust the tilt of the monitor, its contrast, and brightness settings.
- Adjust the ambient lighting around you (such as overhead lights, desk lamps, and the curtains or blinds on nearby windows) to minimize reflections and glare on the monitor screen.
- Use a chair that provides good lower-back support.
- Keep your forearms horizontal with your wrists in a neutral, comfortable position while using the keyboard or mouse.
- Always leave space to rest your hands while using the keyboard or mouse.
- Let your upper arms rest naturally on both sides.
- Ensure that your feet are resting flat on the floor.
- When sitting, make sure that the weight of your legs is on your feet and not on the front portion of your seat. Adjust your chair's height or use a footrest if necessary to maintain a proper posture.
- Vary your work activities. Try to organize your work so that you do not have to sit and work for extended periods of time. Try to stand or get up and walk around at regular intervals.
- Keep the area under your desk clear of obstructions and cables or power cords that may interfere with comfortable seating or present a potential trip hazard.
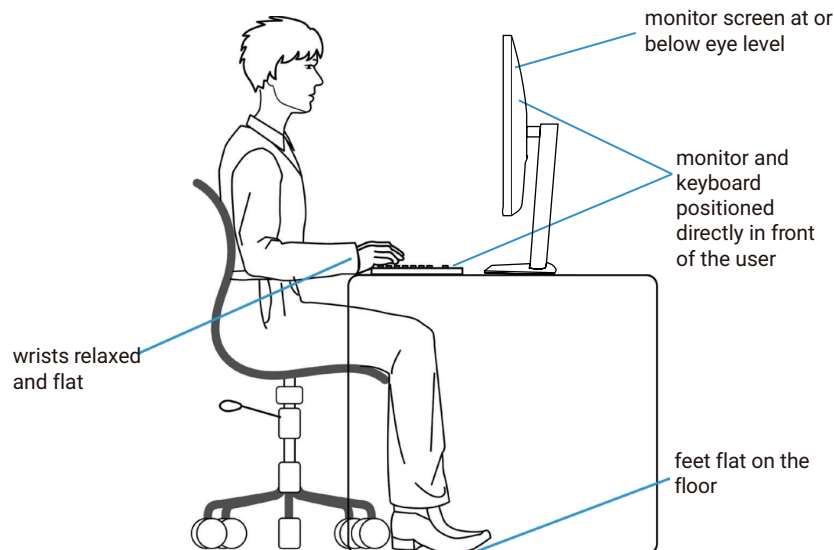

Figure 15. **Ergonomics**

Handling and moving your display

To ensure the monitor is handled safely when lifting or moving it, follow the guidelines that are mentioned below:

- Before moving or lifting the monitor, turn off your computer and the monitor.
- Disconnect all cables from the monitor.
- Place the monitor in the original box with the original packing materials.
- Hold the bottom edge and the side of the monitor firmly without applying excessive pressure when lifting or moving the monitor.
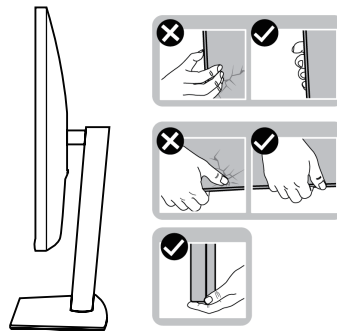

Figure 16.   Moving or lifting the monitor

- When lifting or moving the monitor, ensure the screen is facing away from you and do not press on the display area to avoid any scratches or damage.
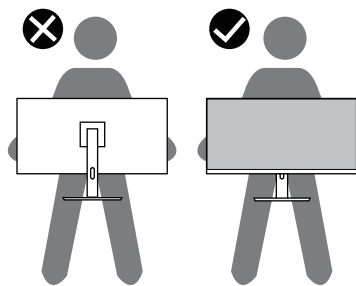
Figure 17.   Ensure that the screen is facing away from you

- When transporting the monitor, avoid any sudden shock or vibration to it.
- When lifting or moving the monitor, do not turn the monitor upside down while holding the stand base or stand riser. This may result in accidental damage to the monitor or cause personal injury.
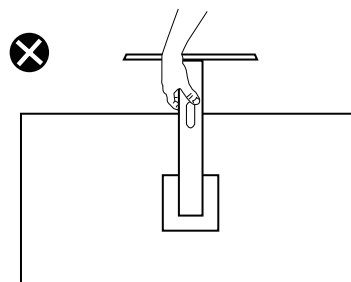

Figure 18.   Do not turn the monitor upside down

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 the instructions in the list below when unpacking, cleaning, or handling your monitor:

- Use a clean cloth that is slightly dampened with water to clean the stand assembly, the screen, and the chassis of your Dell monitor. If available, use a screen-cleaning tissue or solution suitable for cleaning Dell monitors.

- After cleaning the surface of the table, ensure that it is thoroughly dry and free from any moisture or cleaning agent before placing your Dell monitor on it.

  ⚠ **CAUTION: Do not use detergents or other chemicals such as benzene, thinner, ammonia, abrasive cleaners, alcohol, or compressed air.**

  ⚠ **CAUTION: Using chemicals for cleaning may cause changes in the appearance of the monitor, such as color fading, milky film on the monitor, deformation, uneven dark shade, and peeling of screen area.**

  ⚠ **WARNING: Do not spray the cleaning solution or even water directly on the surface of the monitor. Doing so will allow liquids to accumulate at the bottom of the display panel and corrode the electronics resulting in permanent damage. Instead, apply the cleaning solution or water to a soft cloth and then clean the monitor.**

  ⓘ **NOTE:** Monitor damage due to improper cleaning methods and the use of benzene, thinner, ammonia, abrasive cleaners, alcohol, compressed air, detergent of any kind will lead to a Customer Induced Damage (CID). CID is not covered under the standard Dell warranty.

- If you notice white residual 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 attached when the monitor is shipped from the factory.

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

1. Follow the instructions on the flaps of carton to remove the stand from the top cushion that secures it.
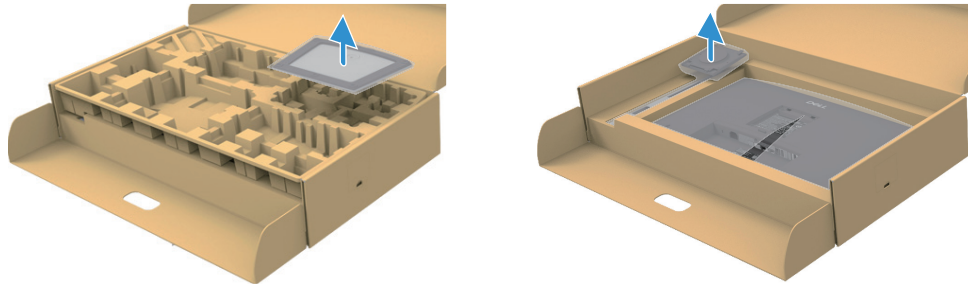

Figure 19.   Remove the stand riser and stand base

2. Remove the stand riser and stand base from the packaging cushion.
3. Insert the stand base blocks fully into the stand slot. Align and place the stand riser on the stand base.
4. Open the screw handle at the bottom of the stand base and turn it clockwise to secure the stand assembly.
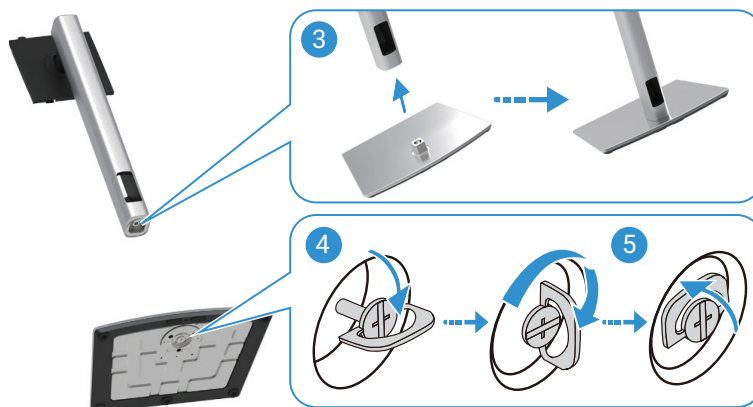5. Close the screw handle.

Figure 20.   Insert the stand base

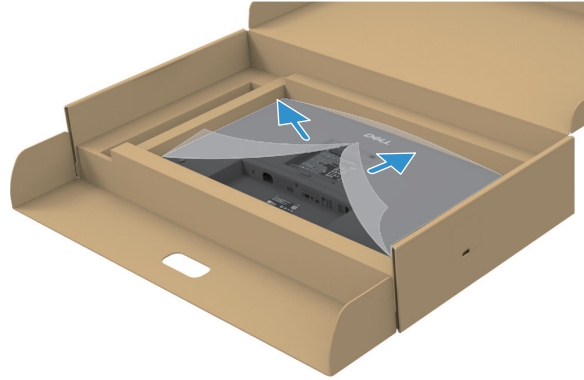**6.** Open the protective cover on the monitor to access the VESA slot on the monitor.

Figure 21.   Open the protective cover

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.

(i) **NOTE:** Before attaching the stand assembly to the display, ensure that the front flap is opened to allow space for assembly.
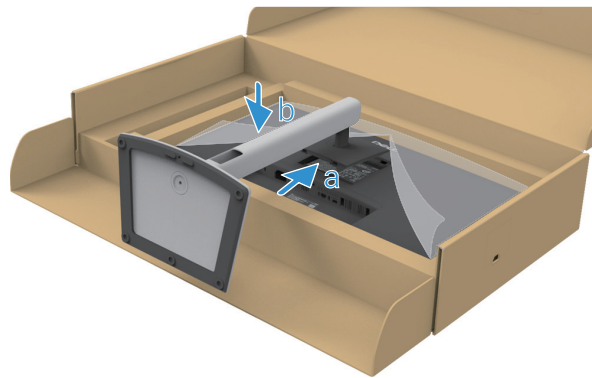

Figure 22.   Attached the stand assembly to the monitor

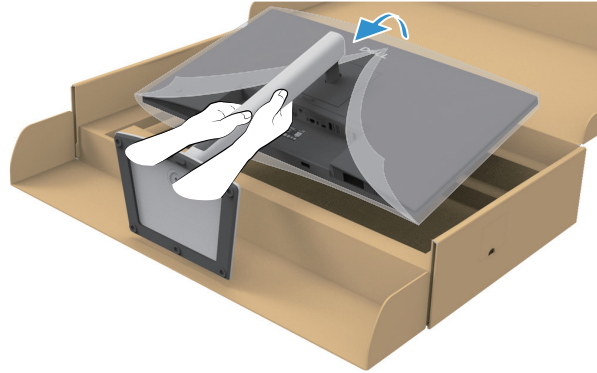**8.** Hold the stand riser and lift the monitor carefully, then place it on a flat surface.

Figure 23. Lift the monitor

⚠ **CAUTION: Lift the monitor carefully to prevent it from slipping or falling.**

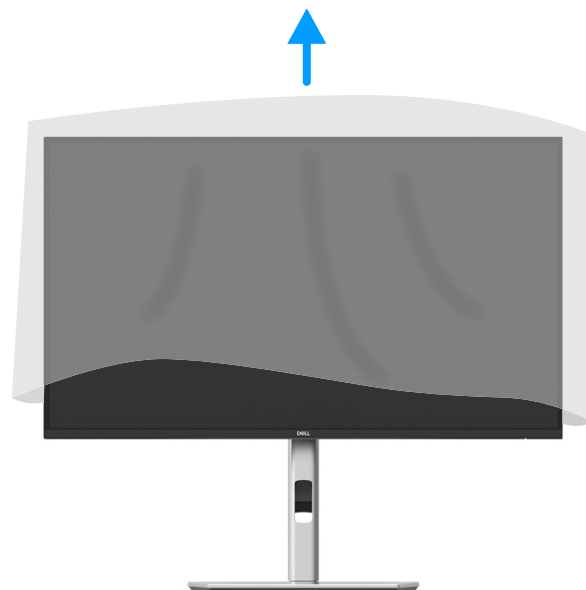**9.** Lift the protective cover from the monitor.

Figure 24. Lift the protective cover from the monitor

10. Connect the power cable to the monitor.

Using the quick access ports

When you want to use the monitor's built-in quick access ports, press on the quick access port module and then release. The quick access port module will slide down.
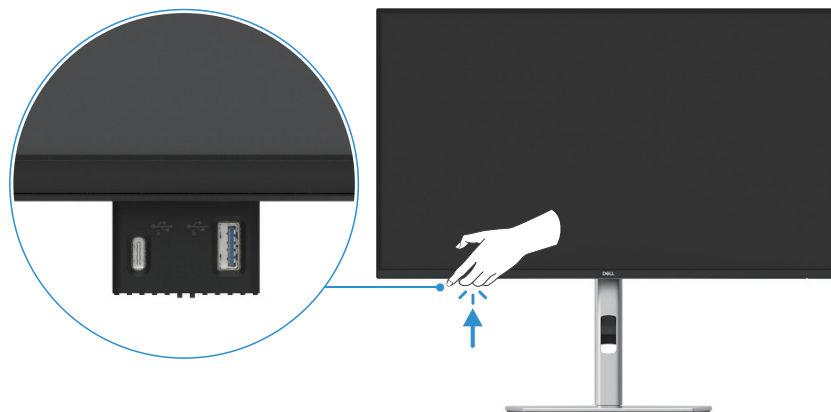

Figure 25. Using the quick access ports

Connecting your monitor

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

⚠ **WARNING: For your safety, be sure that the grounded power outlet you plug the power cable into is easily accessible to the operator and located as close to the equipment as possible.**
To disconnect power from the equipment, unplug the power cable from the power outlet by grasping the plug firmly. Never pull on the cord.

⚠ **WARNING: A certified power supply cable has to be used with this equipment. The relevant national installation and/or equipment regulations shall be considered. A certified power supply cable not lighter than ordinary polyvinyl chloride flexible cord according to IEC 60227 (designation H05VV-F 3G 0.75 mm² or H05VVH2-F2 3G 0.75 mm²) shall be used. An alternative flexible cord is synthetic rubber.**

ⓘ **NOTE:** Do not connect all cables to the computer at the same time. It is recommended to route the cables through the cable-management slot before you connect them to the monitor.

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

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

ⓘ **NOTE:** The graphics are used for the purpose of illustration only. The 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 the monitor OSD Menu and turn on your computer.
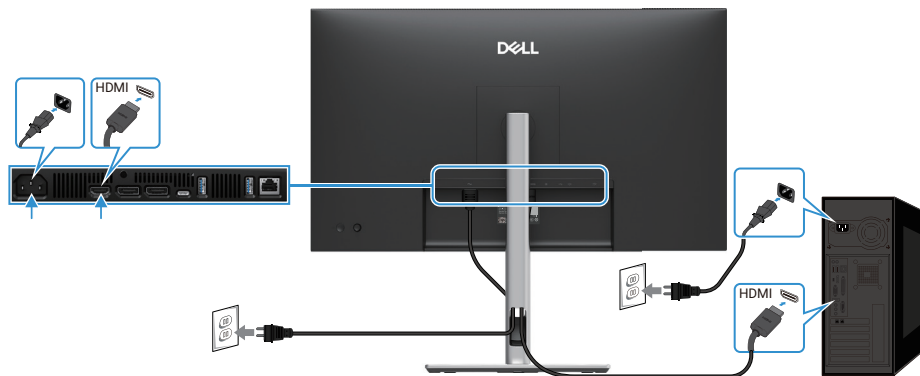
Connecting HDMI cable (optional)

Figure 26. **Connecting HDMI cable**

Connecting DisplayPort (DisplayPort to DisplayPort) cable

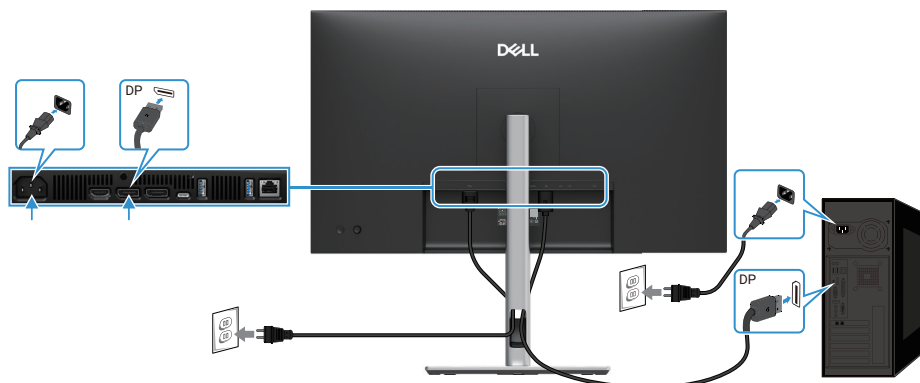**Figure 27.** **Connecting DisplayPort cable**

Connecting DisplayPort and USB cable
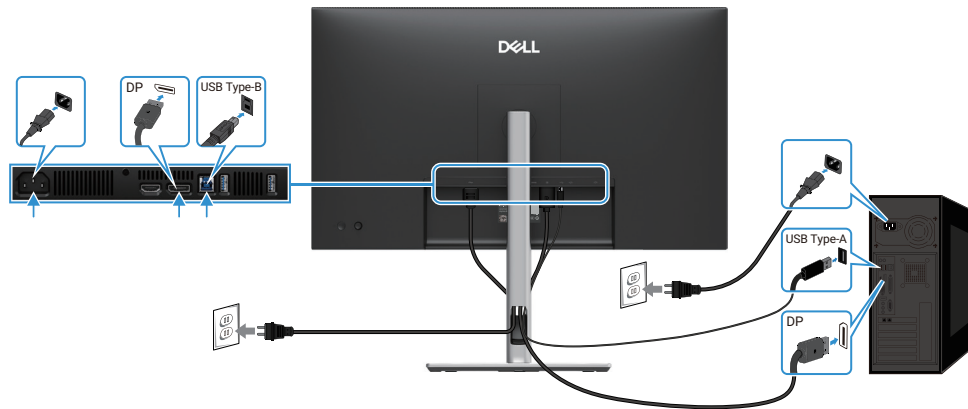
P2725D

Figure 28.   Connecting DisplayPort and USB cable

Connecting USB-C to C cable

P2725DE/P2725QE

The USB-C port on your monitor:

- Can be used as USB-C or DisplayPort 1.4, alternatively.
- Supports USB Power Delivery (PD), with profiles up to 90 W.
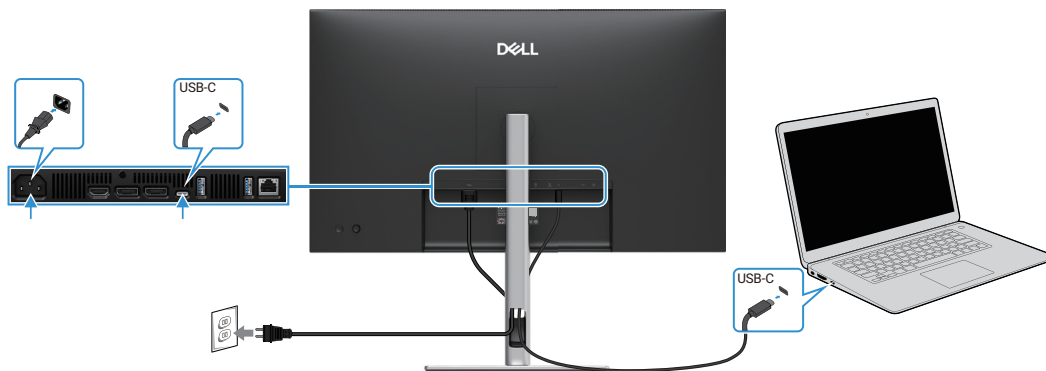

Figure 29.   Connecting USB-C to C cable

Connecting USB Type-C to Type-A cable

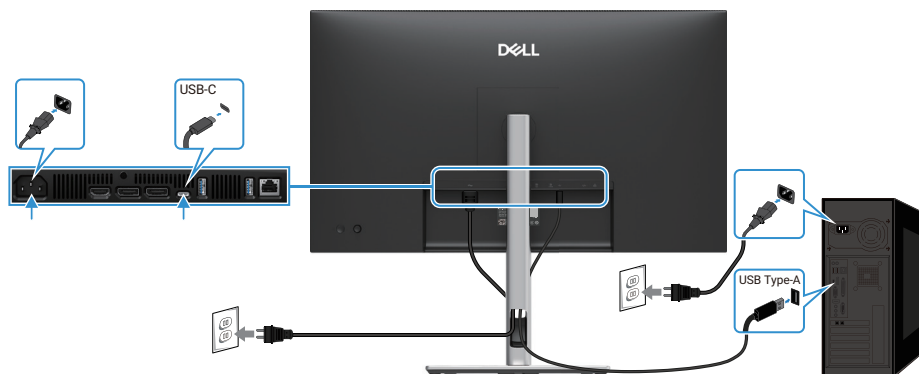**P2725DE/P2725QE**

Figure 30.   Connecting USB Type-C to Type-A cable

Connecting RJ45 cable (optional)

P2725DE/P2725QE
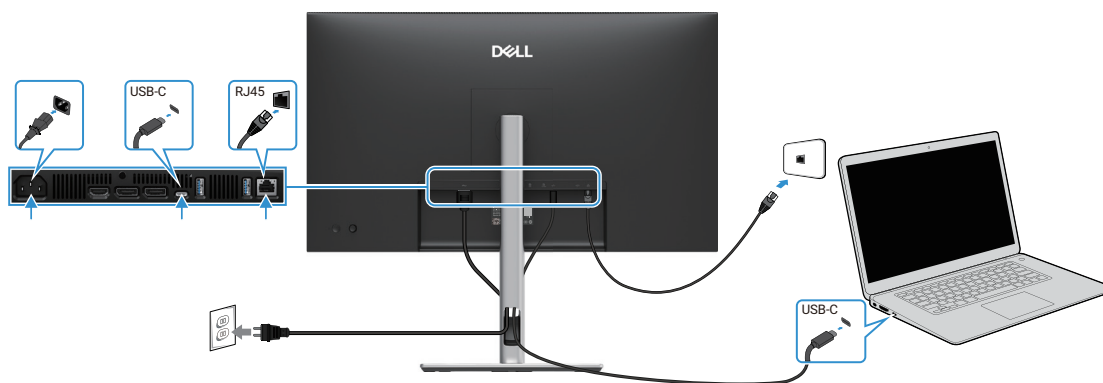
Figure 31.   Connecting RJ45 cable

ⓘ **NOTE:** The RJ45 cable is not part of the standard accessory box.

Connecting the monitor for the DP Multi-Stream Transport (MST) function

P2725DE
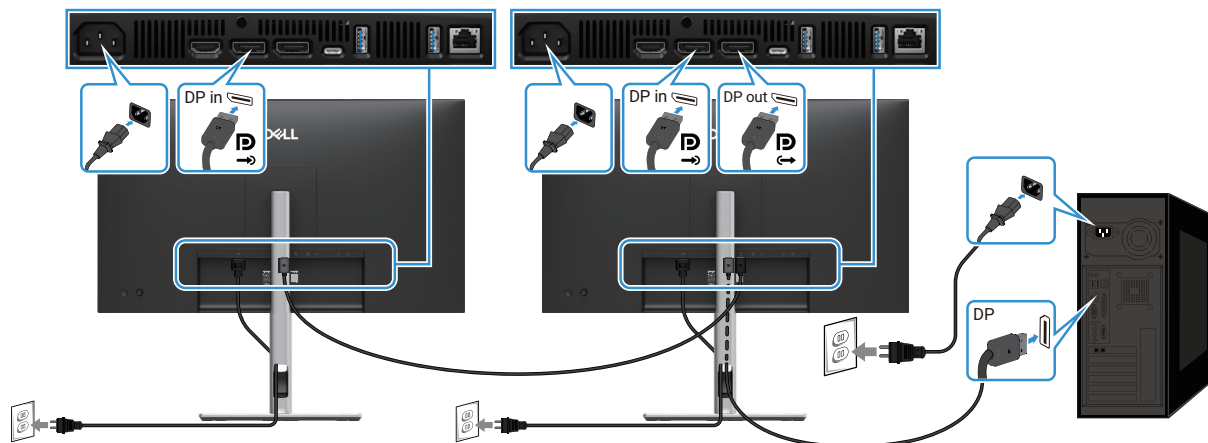
Figure 32. Connecting the monitor for the DP MST function

ⓘ **NOTE:** This monitor supports the DP MST feature. To use this feature, your PC Graphics Card must be certified to DP1.4 with MST option.

ⓘ **NOTE:** Remove the rubber plug when using DP out connector.

Connecting the monitor for the USB-C Multi-Stream Transport (MST) function

P2725DE
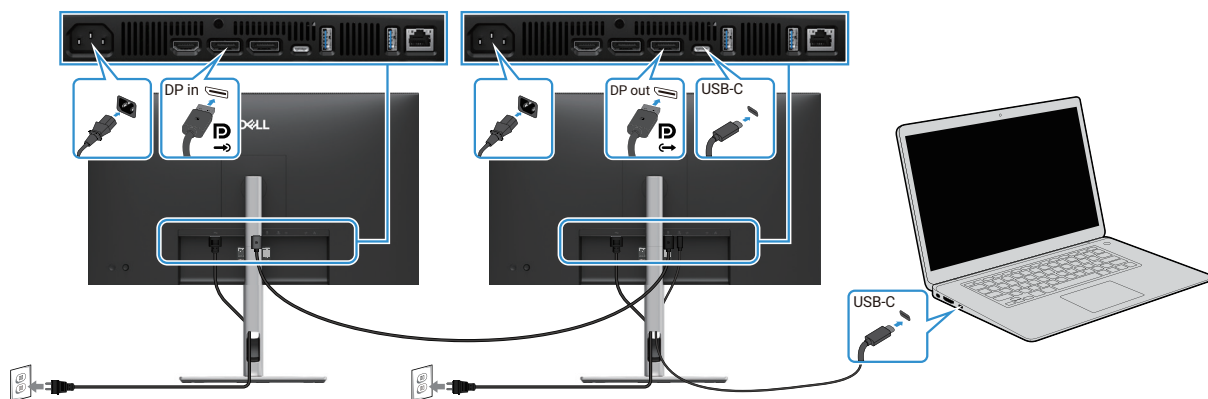
Figure 33. Connecting the monitor for USB-C MST function

ⓘ **NOTE:** The maximum number of supported monitors using MST is subjected to the bandwidth of the USB-C source.

ⓘ **NOTE:** Remove the rubber plug when using the DisplayPort out connector.

Dell Power Button Sync (DPBS)

Your monitor is designed with Dell Power Button Sync (DPBS) feature to allow you to control PC system power state from the monitor power button. This feature is only supported with Dell platform which has built-in DPBS function and is only supported over USB-C interface.
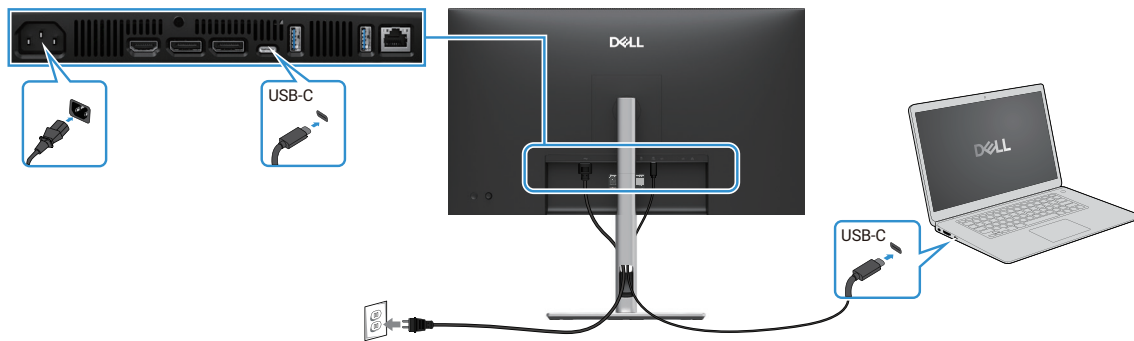
Figure 34.   Dell Power Button Sync (DPBS)

To make sure the DPBS function works for the first time, perform the following steps on the DPBS supported platform in the **Control Panel**.

ⓘ **NOTE:** DPBS only supports the USB-C upstream port.

1. Go to **Control Panel**.
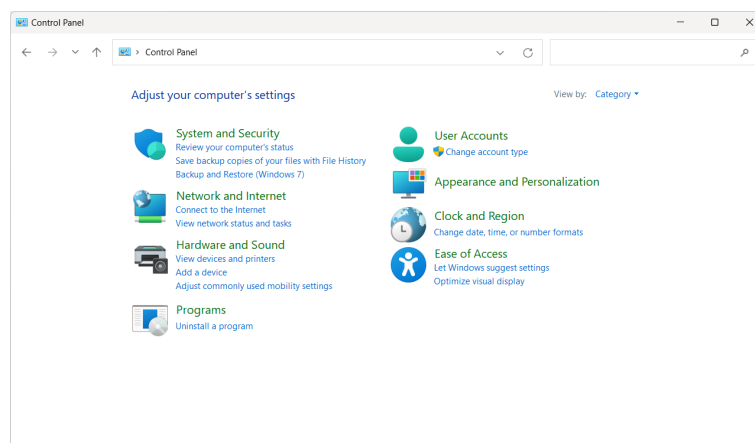
Figure 35.   Go to Control Panel

2. Select **Hardware and Sound** > **Power Options**.
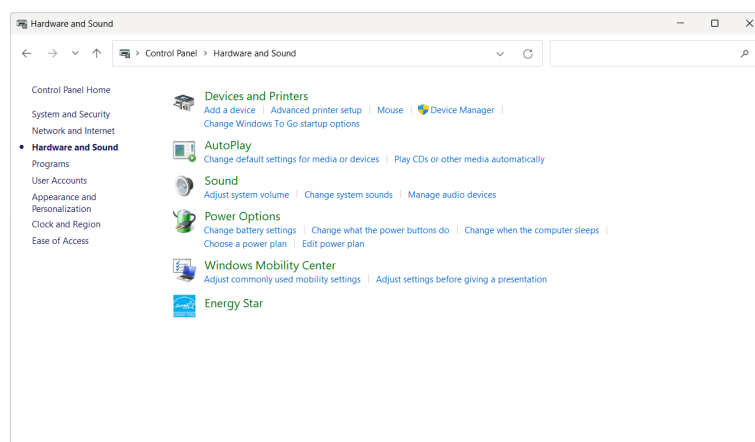
Figure 36.   Select Hardware and Sound

3. Go to **System Settings**.
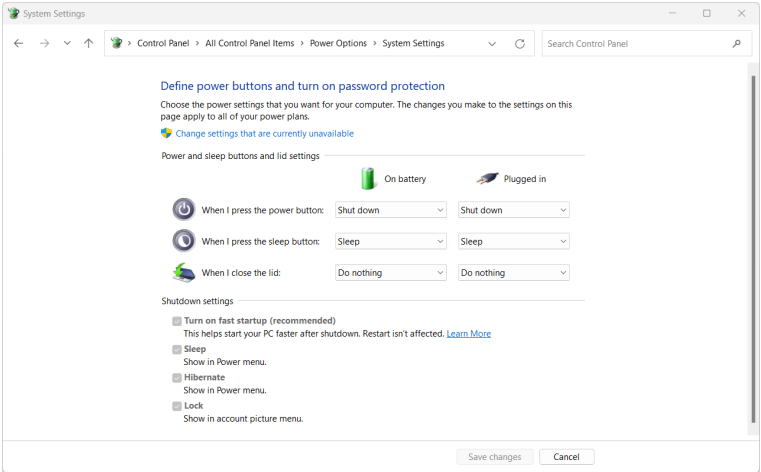
Figure 37.   Go to System Settings

4. In the drop-down menu of **When I press the power button**, there are a few options for selection, namely **Do nothing/Sleep/Hibernate/Shut down**.
You can select **Sleep/Hibernate/Shut down.**
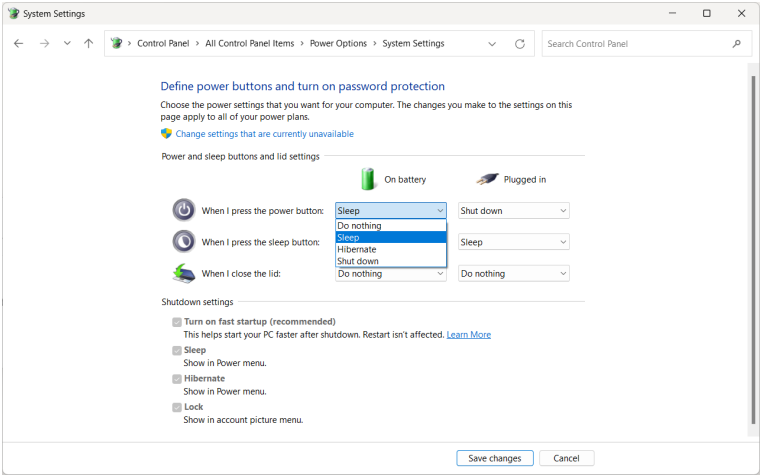
Figure 38.   Power and sleep button setting Save
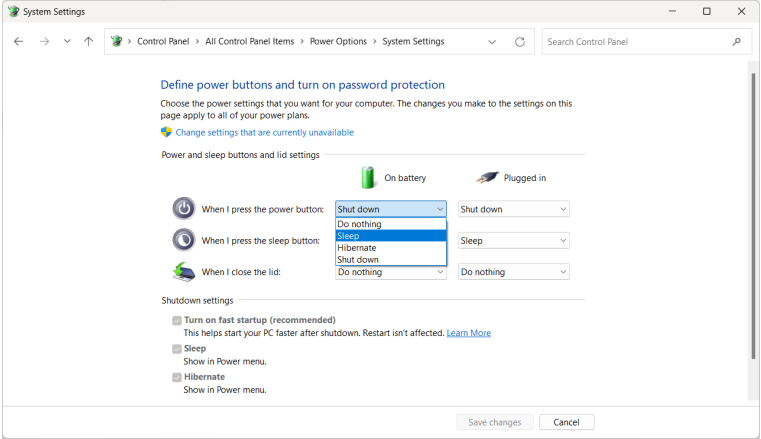
Figure 39.   Power and sleep button setting Cancel

ⓘ **NOTE:** Do not select **Do nothing**, otherwise the monitor power button may not be able to sync with PC system power state.

Connecting the monitor for DPBS for the first time

Initial monitor power state (OFF)

USB-C

Initial system power state (OFF)
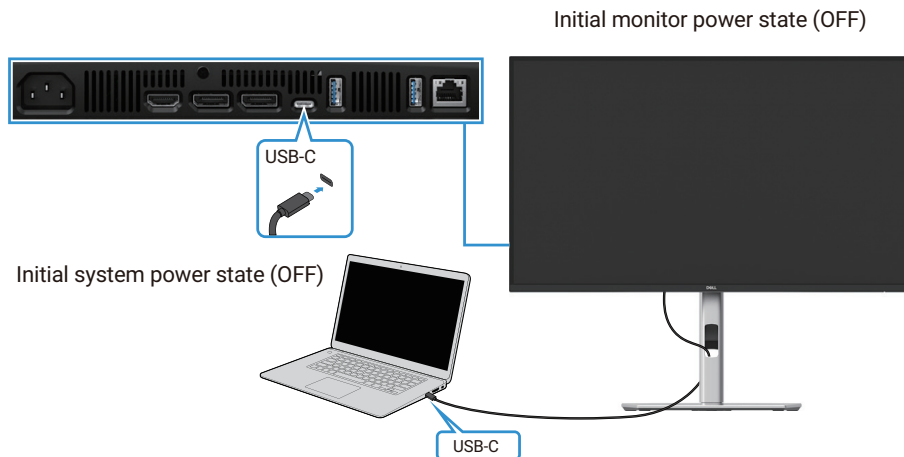
USB-C

Figure 40.   Connecting the monitor for DPBS for the first time

To set up the DPBS function for the first time, do the following:

1. Ensure both the PC and the monitor are off.
2. Press the monitor power button to turn on the monitor.
3. Connect the USB-C cable from the PC to the monitor.
4. Both the monitor and PC turns on normally except Dell Optiplex 7090/3090 Ultra platform.
5. When you connect the Dell Optiplex 7090/3090 Ultra platform, you may see both the monitor and PC will turn on momentarily. Wait for a while (approximately 6 seconds) and both the PC and monitor will turn off. When you press either the monitor power button or PC power button, both the PC and monitor will turn on. The PC system power state is in sync with the monitor power button.

ⓘ **NOTE:** When the monitor and PC are both at power off state for the first time, it is recommended that you turn on the monitor first, then connect the USB-C cable from the PC to the monitor.

ⓘ **NOTE:** You can power the Dell PC* Ultra platform using its DC adaptor jack. Alternatively, you can power the Dell PC* Ultra platform using the monitor's USB-C cable via Power Delivery (PD); please set USB-C Charging ⇌ 90W to On in Off Mode.

*Ensure to check the Dell PC for DPBS supportability.

Using DPBS function

Waking on the USB-C cable

When you connect the USB-C cable, the Monitor/personal computer state is as follows:

* Not all Dell personal computer support to wake up the platform by the monitor.

* After you connect the USB-C cable, tap on Keyboard or move the mouse for the personal computer to continue its boot up process when necessary.
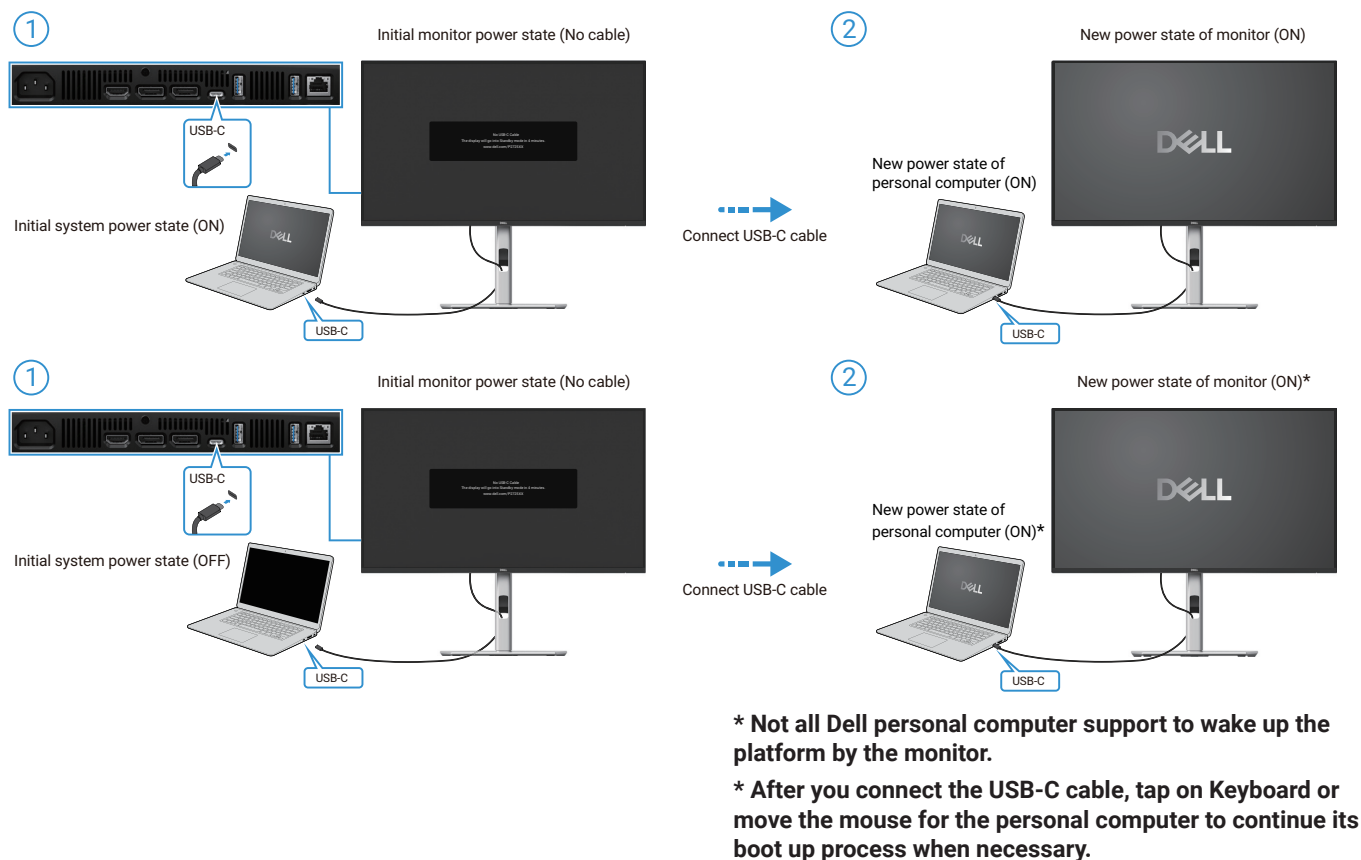
Figure 41.   Connect the USB-C cable

When you press the monitor power button or personal computer power button, the Monitor/personal computer state is as follows:
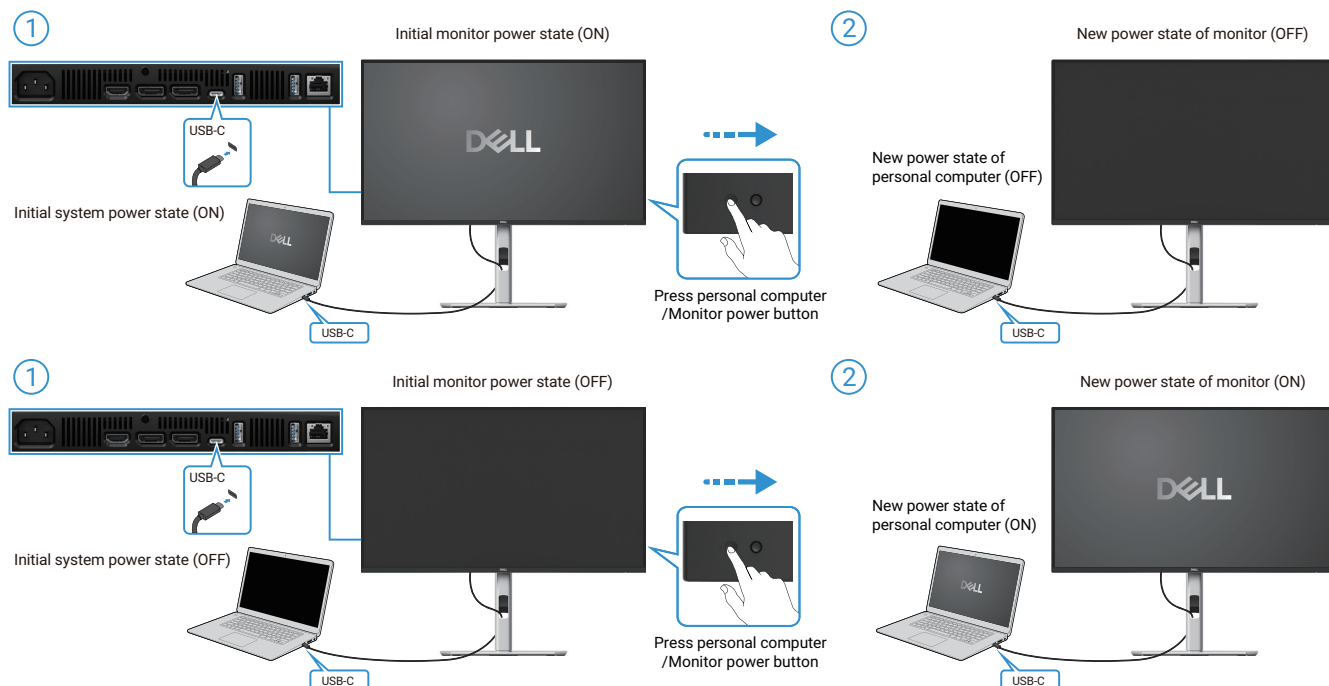
Figure 42.   Press the monitor power button or personal computer power button

- When the monitor and the personal computer power state are both ON, press and hold the monitor power button for 4 seconds, the screen prompt asks if you would like to shut down the personal computer.

Press and hold 4s

USB-C

Personal computer will shut down
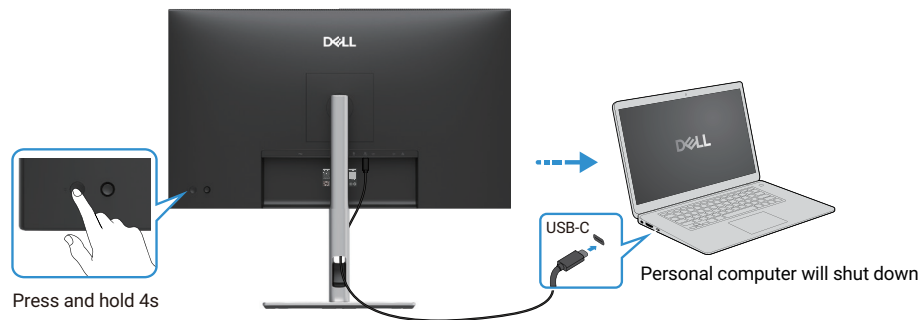
Figure 43.   Press and hold the monitor power button for 4 seconds

Slide to shut down your personal computer
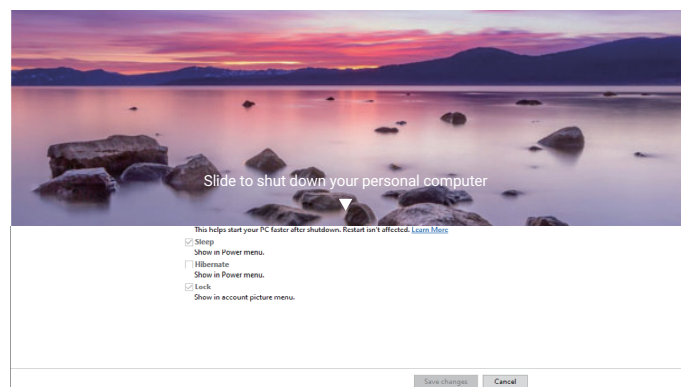
Figure 44.   A screen prompt asks

- When the monitor and the personal computer power state are both ON, **press and hold the monitor power button for 10 seconds**, the personal computer shuts.

Press and hold 10s

USB-C

Personal computer will shut down
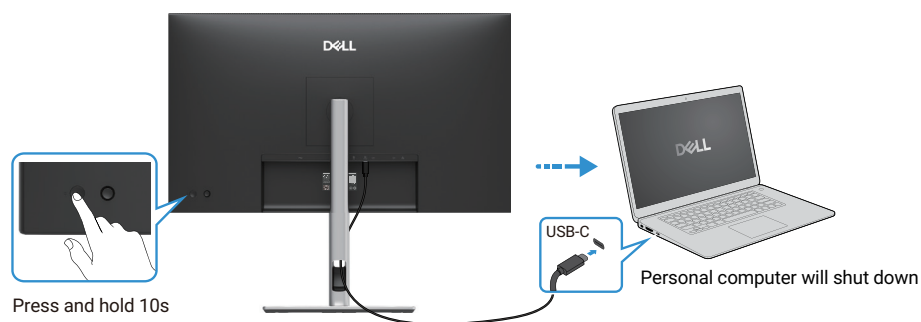
Figure 45.   Press and hold the monitor power button for 10 seconds

Connecting the monitor for the USB-C Multi-Stream Transport (MST) function

A personal computer is connected to two monitors in an initial OFF power state, and the personal computer power state is in synchronized with the Monitor 1 power button. When you press Monitor 1 or personal computer power button, both Monitor 1 and personal computer turn on. Meanwhile, Monitor 2 will remains off. You need to manually press the power button on Monitor 2 to turn it on.
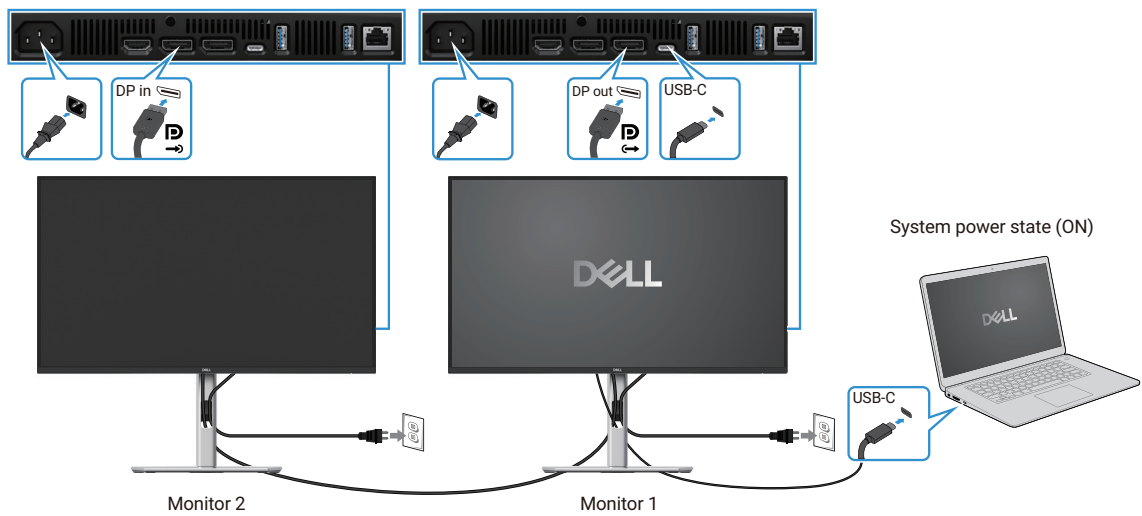
Figure 46.   Connecting the monitor for USB-C MST function

Similarly, a personal computer is connected to two monitors in an initial ON power state, and the personal computer power state is in synchronized with the Monitor 1 power button. When you press Monitor 1 or personal computer power button, both Monitor 1 and personal computer turn off. Meanwhile, Monitor 2 is in Standby mode. You need to manually press the power button on Monitor 2 to turn off.
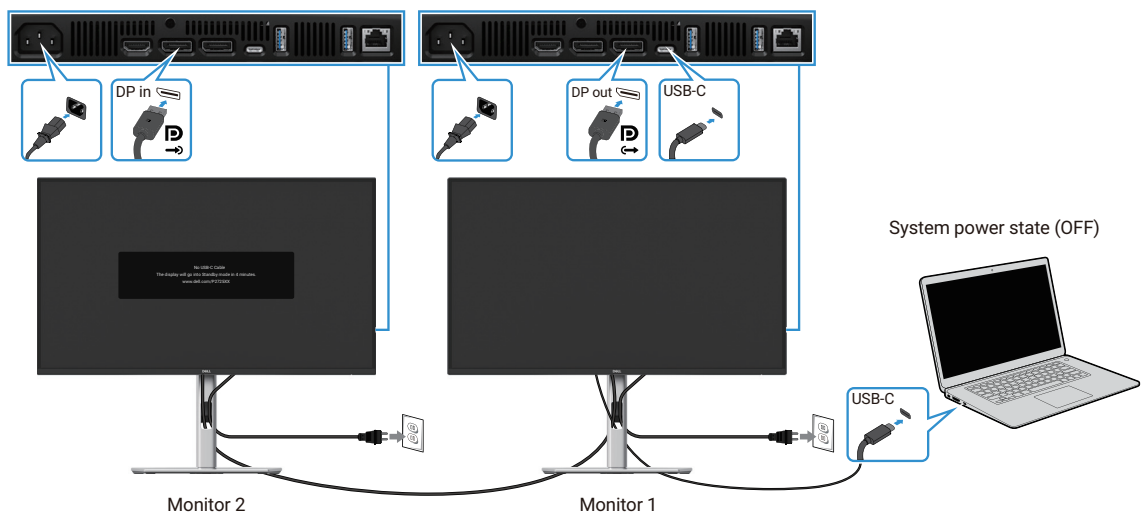
Figure 47.   Personal computer is connected to two monitors in an initial ON power state

Connecting the monitor for USB-C

The Dell personal computer* Ultra platform has two USB-C ports, so both Monitor 1 and Monitor 2 power state can sync with the personal computer.

When the personal computer and two monitors are in an initial ON power state, pressing the power button on Monitor 1 or Monitor 2 will turn OFF the personal computer, Monitor 1, and Monitor 2.

*Ensure to check the Dell personal computer for DPBS supportability.

(i) **NOTE:** DPBS only supports the USB-C upstream port.
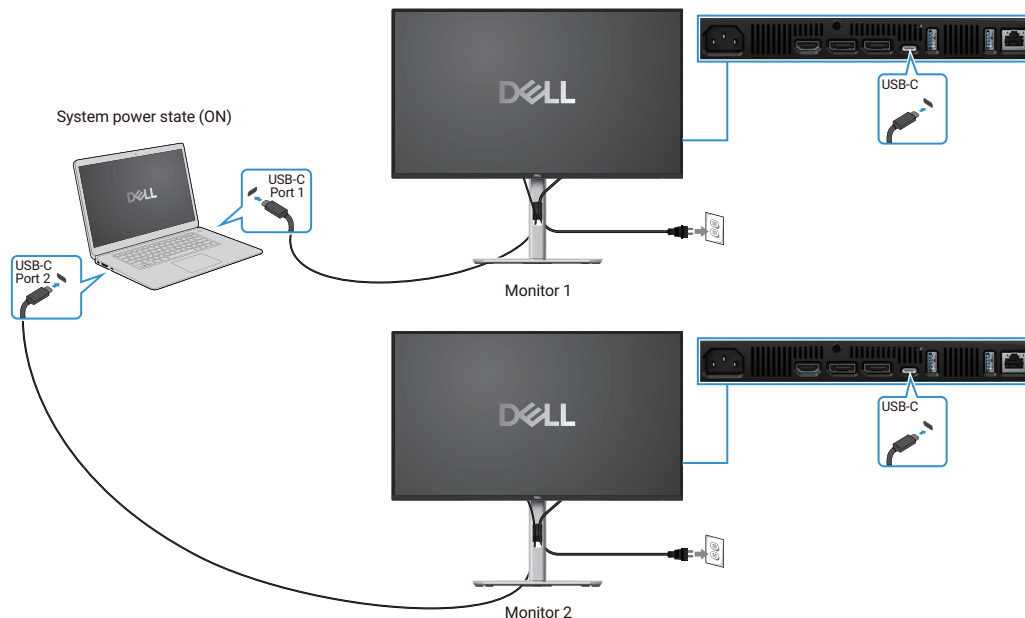
Figure 48.   Monitor 1 and Monitor 2 power state can sync with the personal computer
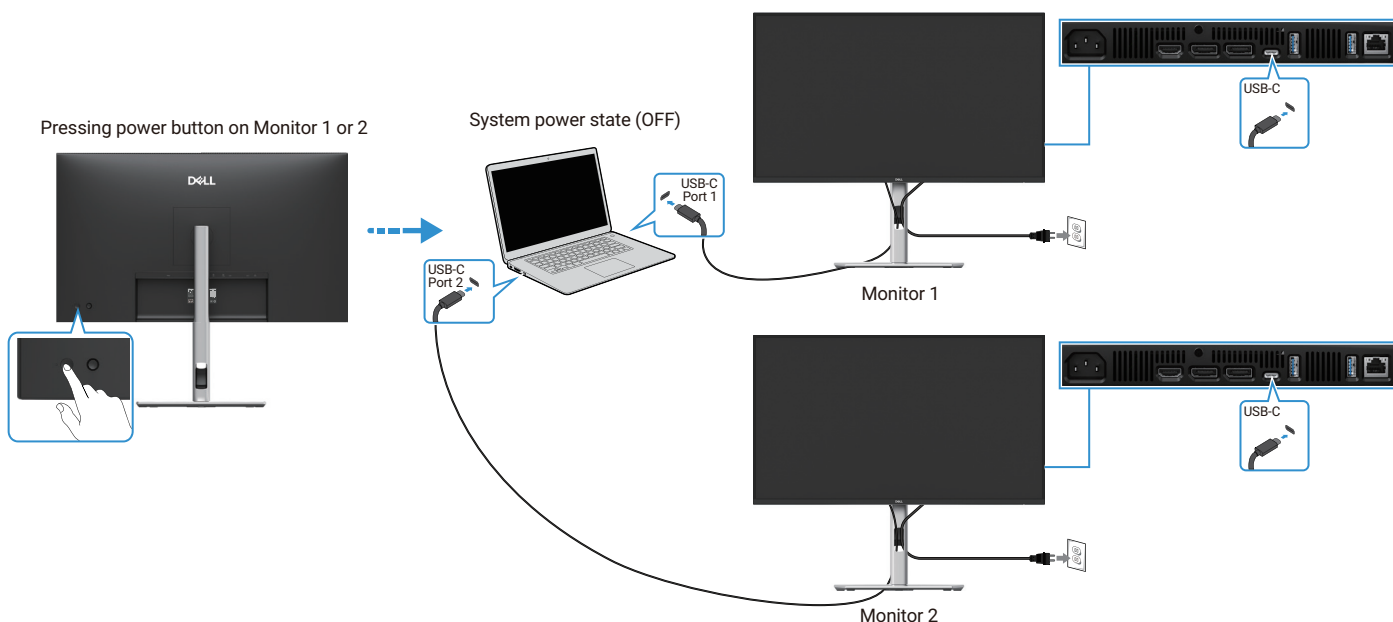
Figure 49.   Pressing the power button on Monitor 1 or Monitor 2 will turn OFF the personal computer

Ensure to set **USB-C Charging ⊕ 90W** to **On in Off Mode**. When the personal computer and two monitors are in an initial OFF power state, pressing the power button on Monitor 1 or Monitor 2 will turn ON the personal computer, Monitor 1, and Monitor 2.
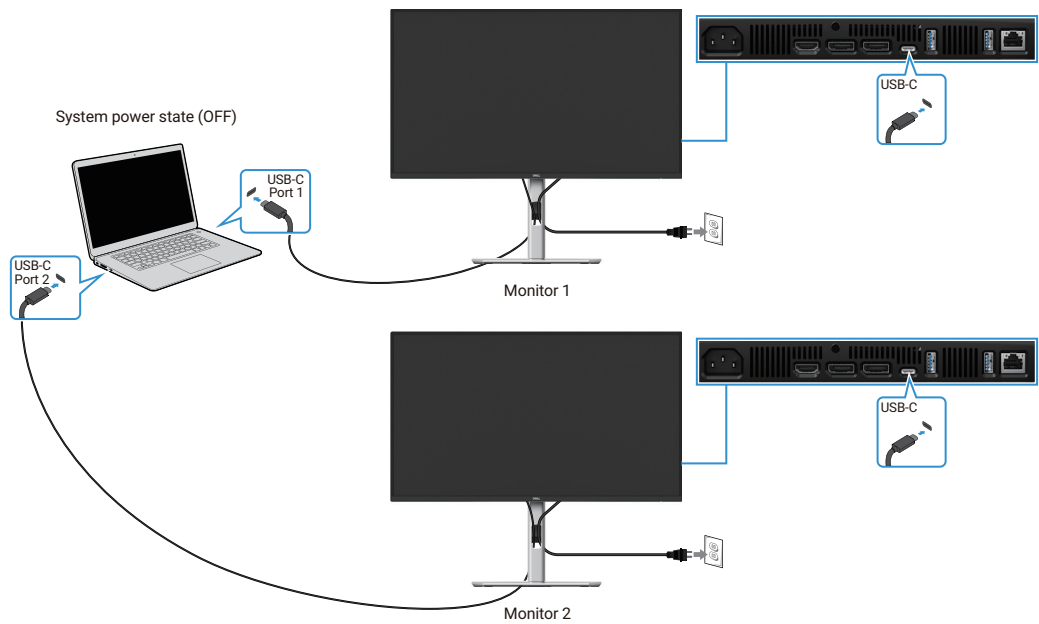
Figure 50.   USB-C Charging 90W to On in Off Mode
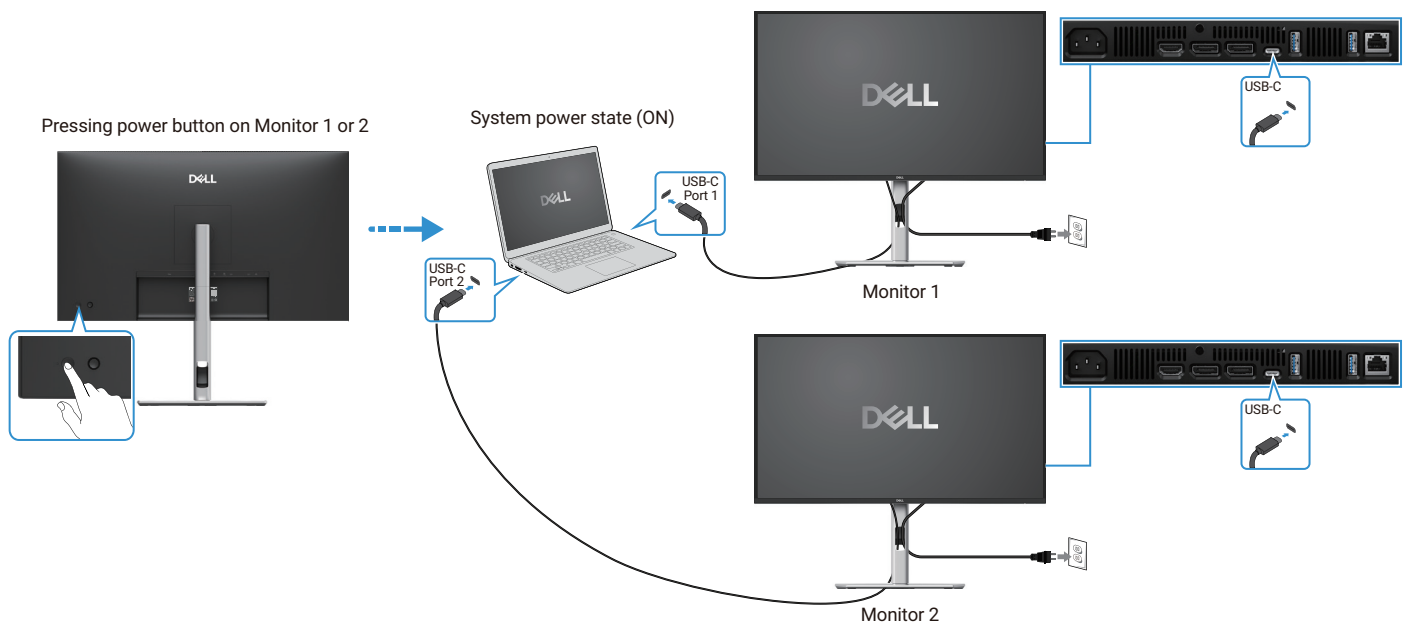
Figure 51.   Pressing the power button on Monitor 1 or Monitor 2 will turn on the personal computer

Organizing cables

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

Figure 52.   Organizing cables

Securing your monitor using Kensington lock (optional)

The security-lock slot is located at the bottom of the monitor (see Security-lock slot). Secure your monitor to a table using the Kensington security lock.

For more information about using the Kensington lock (sold separately), see the documentation that is shipped with the lock.
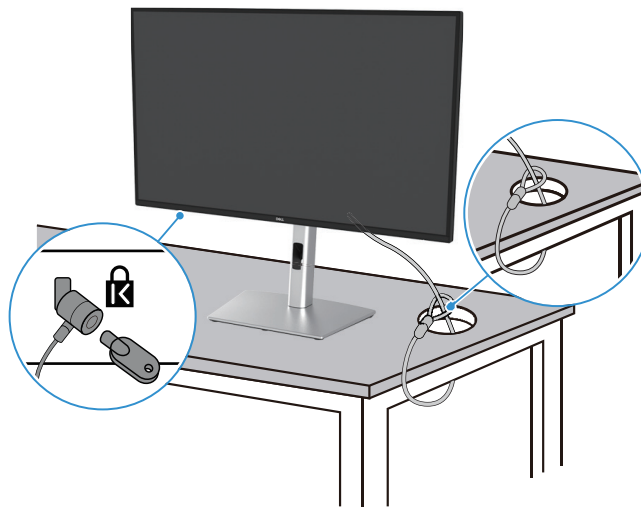
Figure 53.   Using Kensington lock

ⓘ **NOTE:** The image is of illustration purpose only. The appearance of the lock may vary.

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 surface and handle it carefully.

ⓘ **NOTE:** The following instructions are applicable only for the stand that was shipped with your monitor. If you are removing a stand that you purchased from any other source, follow the setup instructions that are included with the stand.

ⓘ **NOTE:** Before removing the stand, ensure that you have disconnected all the cables from the monitor.
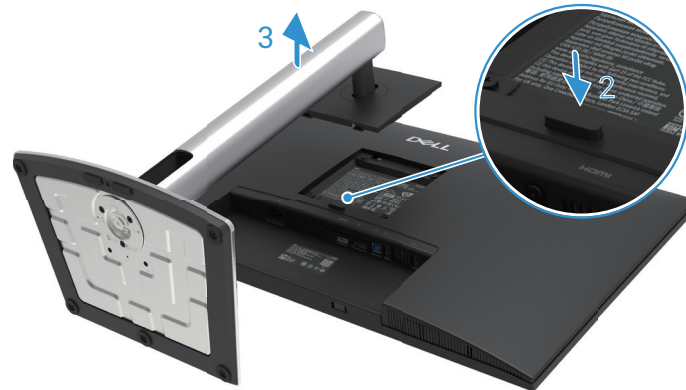
Figure 54. **Removing the monitor stand**

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)
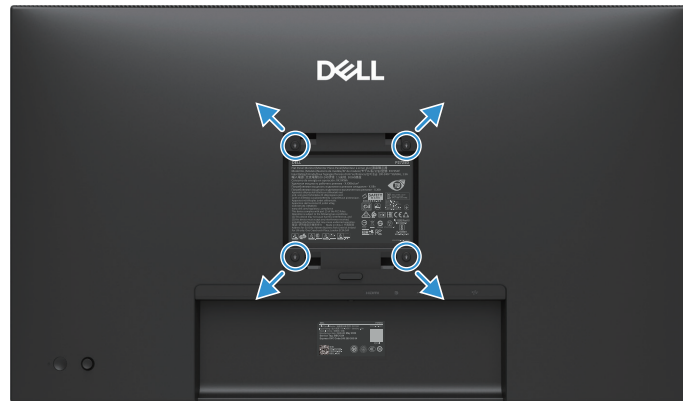
Figure 55. VESA wall mounting

(i) **NOTE:** Use M4 x 10 mm screws to connect the monitor to the wall-mounting kit.

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

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

(i) **NOTE:** For use only with UL or CSA or GS-listed wall-mount bracket with minimum weight/load bearing capacity of 19.2 kg

(42.33 lb) for P2725D, 20.6 kg (45.42 lb) for P2725DE, 22.2 kg (48.94 lb) for P2725QE.

Using the tilt, swivel, and vertical extension

(i) **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 setup instructions that were included with the stand.

Tilt, swivel

With the stand that is attached to the monitor, you can tilt and swivel the monitor for the most comfortable viewing angle.
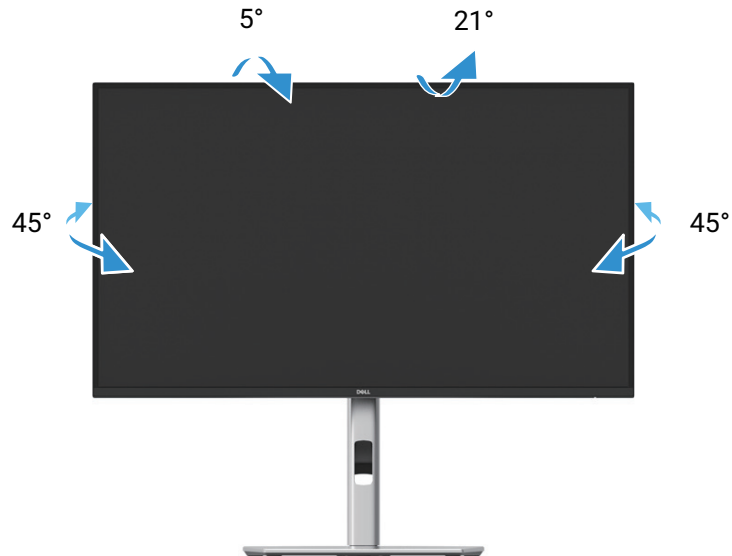
Figure 56.   Tilt and swivel adjustment

(i) **NOTE:** The stand is not installed at the factory when shipped.

Vertical extension

(i) **NOTE:** The stand extends vertically up to 150 mm. The figure below illustrates how to extend the stand vertically.
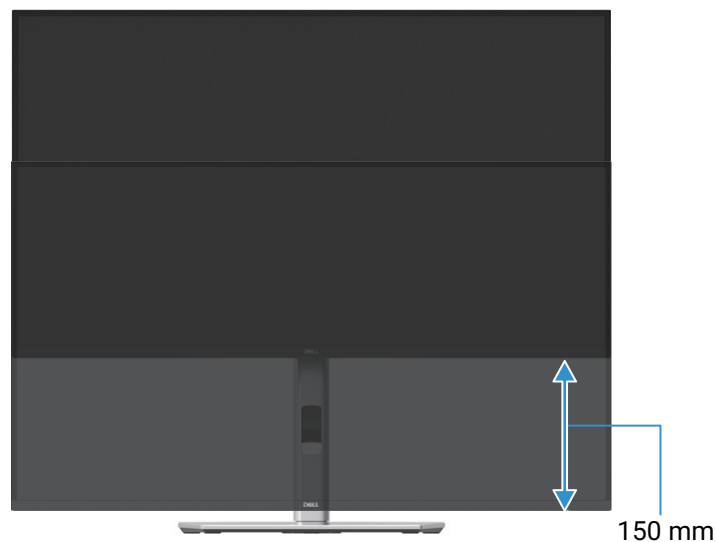
Figure 57.   Height adjustment

Rotating the monitor

Before you rotate the monitor, your monitor should be fully vertically extended (Vertical extension) and fully tilted up to avoid pressing the bottom edge of the monitor.
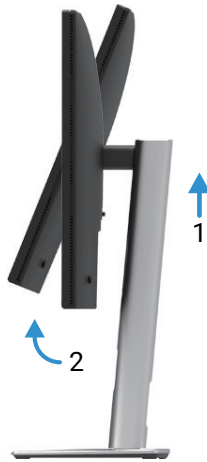
Figure 58.   Fully tilted up to avoid hitting the bottom

Rotate clockwise

Figure 59.   Rotate clockwise

Rotate counterclockwise
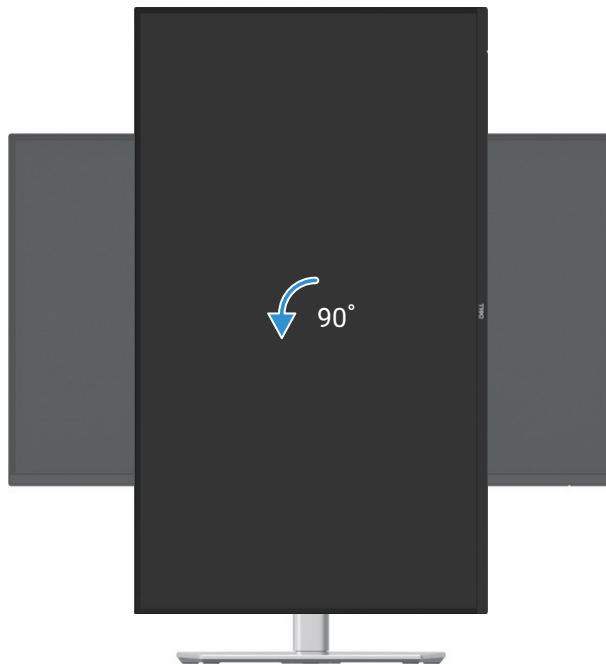
Figure 60. Rotate counterclockwise

ⓘ **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 so on.).

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 computer.

ⓘ **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 about rotating the 'contents' on your display.

To adjust the Rotation Display Settings:

1. Right-click 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.

Operating your monitor

Power on the monitor

Press the power button to turn on the monitor.
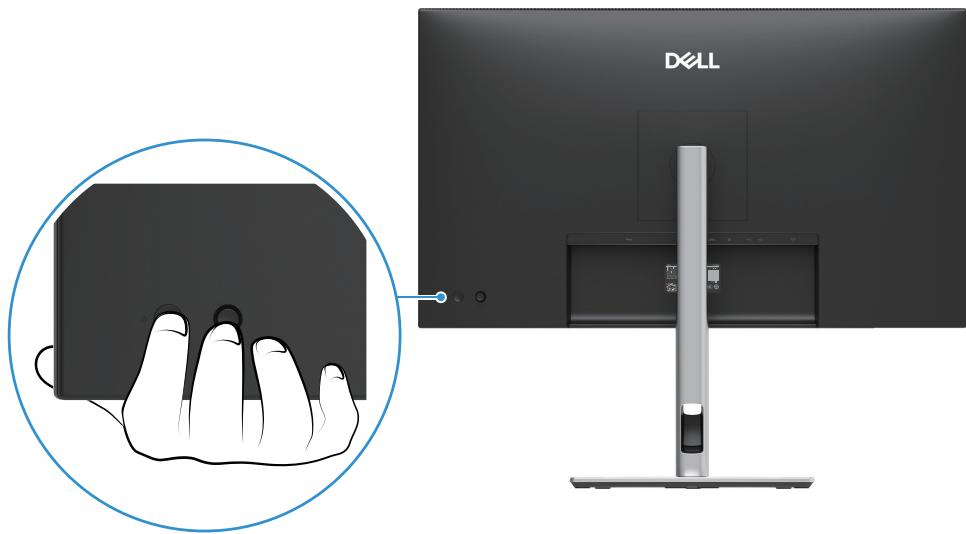
Figure 61. **Power on the monitor**

Using the joystick control

Use the joystick control on the rear of the monitor to make On-Screen Display (OSD) adjustments.
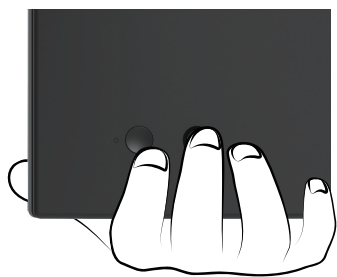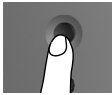
Figure 62. **Joystick control**

1. Press the joystick to launch the Menu Launcher.
2. Move the joystick up or down or left or right to switch through the options.
3. Press the joystick again to confirm the selection.

Table 32. Joystick control description.

Joystick	Description
	• When there is no OSD on the screen, press the joystick to launch the Menu Launcher. See Accessing the Menu Launcher. • When the OSD is displayed, press the joystick to confirm the selection or save the settings.
	• For 2-way (right and left) directional navigation. • Move right to enter the submenu. • Move left to the upper-level menu or exit from the current menu.
	• For 2-way (up and down) directional navigation. • Toggle between the menu items. • Increases (up) or decreases (down) the parameters of the selected menu item.

Locking the control buttons

You can lock the monitor control buttons to prevent access to the OSD menu and/or power button.

1. Move and hold the joystick up or down or left or right for about 4 seconds until a pop-up menu appears.
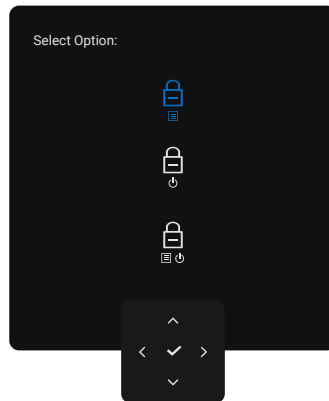
Figure 63.   Lock menu

2. Move the joystick to select one of the following options:

- 🔒 : The OSD menu settings are locked and not accessible.

- 🔒 : The power button is locked.

- 🔒 : The OSD menu settings are not accessible, and the power button is locked.

3. Press the joystick to confirm the configuration.

To unlock, move and hold the joystick up or down or left or right for about 4 seconds until a menu appears, and then select 🔓 to unlock and close the menu.

Using the On-Screen Display (OSD) menu

Accessing the Menu Launcher

When you toggle or press the joystick, the Menu Launcher appears to let you access the OSD main menu and shortcut functions. To select a function, move the joystick.
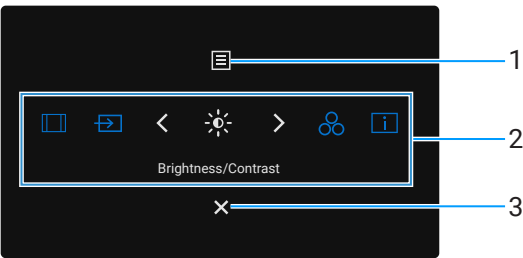
Figure 64.   Accessing the Menu Launcher

The following table describes the Menu Launcher functions:

Table 33.   Menu Launcher functions.

Label	Icon	Description
1	Menu	To launch the On-Screen Display (OSD) main menu. See Accessing the menu system.
2	Shortcut functions	When you move the joystick to the left or right to switch through the shortcut functions, the selected item is highlighted and shifted to the center position. Press the joystick to enter its submenu. • **Aspect Ratio**: To choose from a list of Aspect Ratio. • **Input Source**: To choose an input source from the listed video signals. • **Brightness/Contrast**: To access the adjustment sliders of brightness and contrast. • **Preset Modes**: To choose a preferred color mode from the list of preset modes. • **Display Info**: To check monitor Display Info. ⓘ **NOTE:** You can set your preferred shortcut keys. For more information, see Personalize.
	ⓘ **NOTE:** After you change the settings, follow the navigation keys to confirm the changes before proceeding to another function or exiting.	
3	Exit	To exit the Menu Launcher.

Using the navigation keys

When the OSD main menu is active, move the joystick to configure the settings, following the navigation keys displayed below the OSD.

Figure 65.   Navigation keys
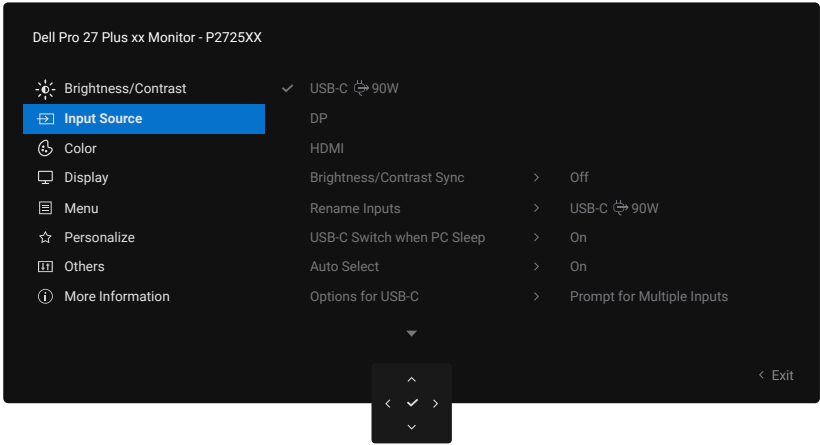
ⓘ **NOTE:** To exit the current menu item and return to the previous menu, move the joystick to the left until you exit.
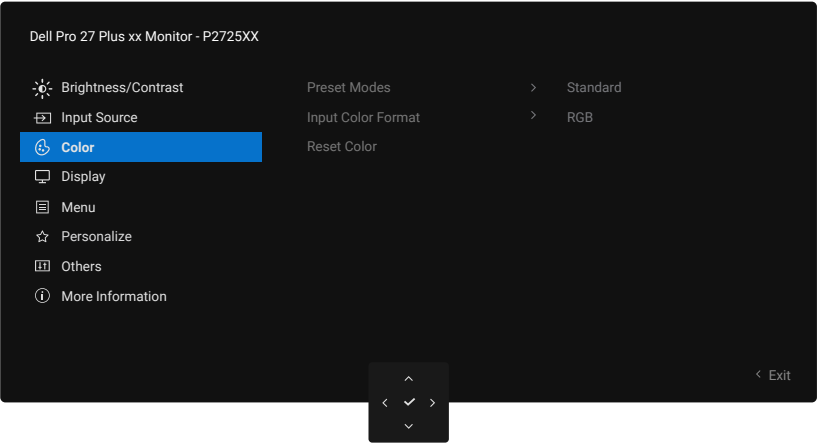
Accessing the menu system
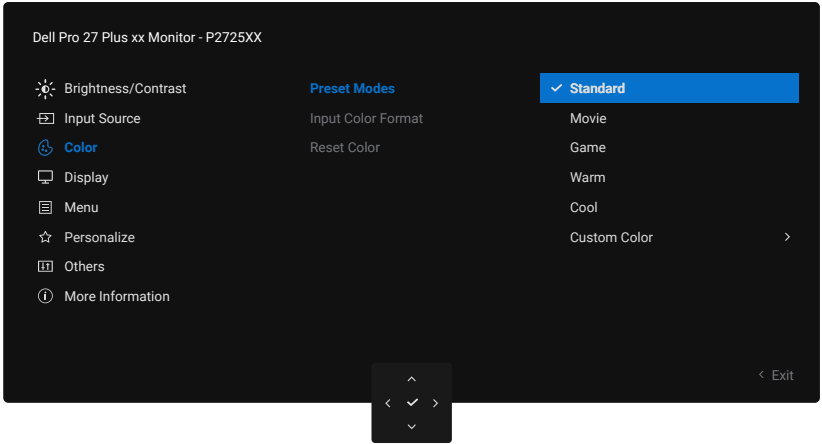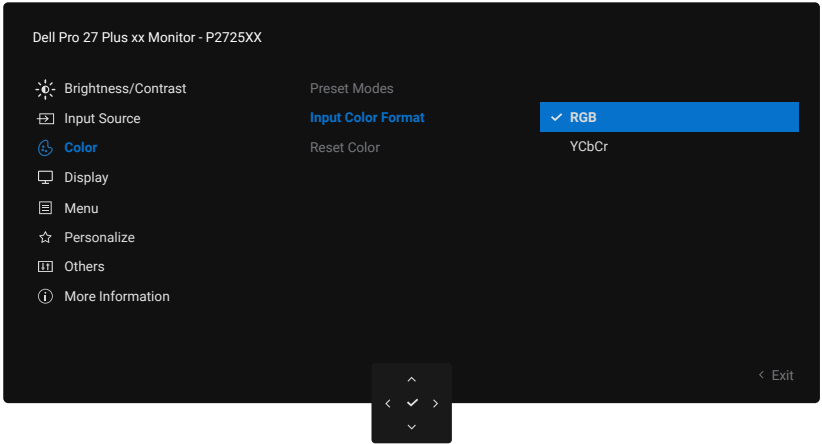
(i) **NOTE:** After you change the settings, press the joystick to save the changes before exiting or proceeding to another menu.
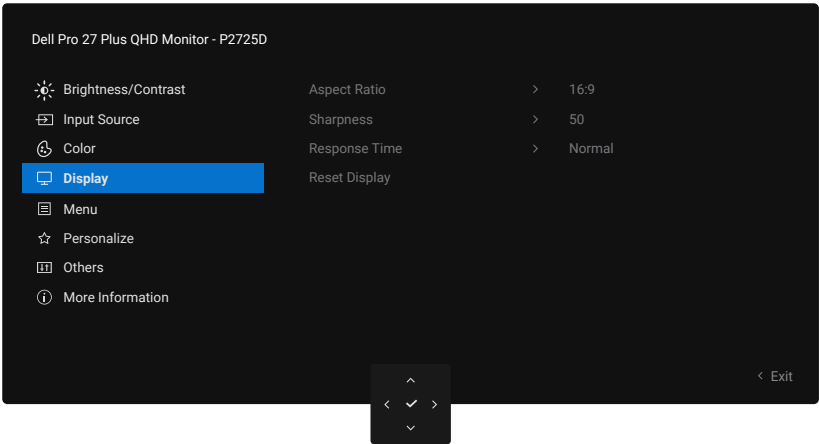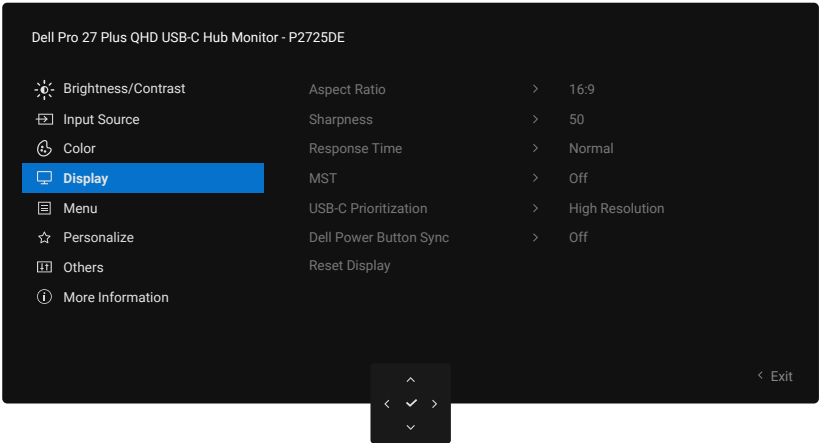
Table 34. OSD tree list.
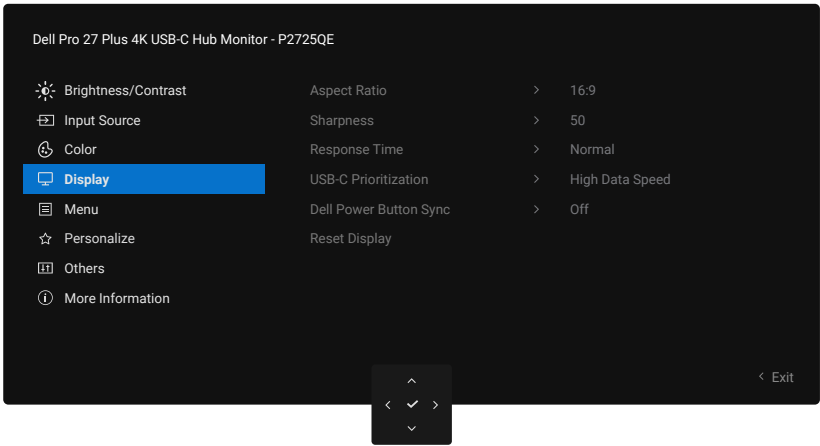
Icon	Menu and submenus	Description
☼	**Brightness/Contrast**	Adjusts the brightness and the contrast of the display. Dell Pro 27 Plus xx Monitor - P2725XX ☼ Brightness/Contrast Input Source Color Display Menu Personalize Others More Information 75% 75%
	Brightness	**Brightness** adjusts the luminance of the backlight. Move the joystick up or down to increase or decrease the brightness level (min. 0/max. 100).
	Contrast	Adjust the **Brightness** first, and then adjust the **Contrast** only if further adjustment is necessary. The **Contrast** function adjusts the degree of difference between darkness and lightness on the monitor screen. Move the joystick up or down to increase or decrease the contrast level (min. 0/max. 100).
⊡→	**Input Source**	Selects between the different video signals that may be connected to your monitor. **P2725D** Dell Pro 27 Plus QHD Monitor - P2725D Brightness/Contrast	DP Input Source	✓ HDMI Color	Brightness/Contrast Sync > Off Display	Rename Inputs > DP Menu	Auto Select > On Personalize	Options for DP/HDMI > Prompt for Multiple Inputs Others	Reset Input Source More Information

Icon	Menu and submenus	Description
		P2725DE/P2725QE Dell Pro 27 Plus xx Monitor - P2725XX Brightness/Contrast — ✓ USB-C ⇨ 90W **Input Source** — DP Color — HDMI Display — Brightness/Contrast Sync > Off Menu — Rename Inputs > USB-C ⇨ 90W Personalize — USB-C Switch when PC Sleep > On Others — Auto Select > On More Information — Options for USB-C > Prompt for Multiple Inputs ‹ Exit
USB-C ⇨ 90W **(P2725DE/P2725QE)**		Select the **USB-C ⇨ 90W** input when you are using the USB-C connector. Press the joystick to confirm the selection.
DP		Select the **DP** input when you are using the DisplayPort (DP) connector. Press the joystick to confirm the selection.
HDMI		Select the **HDMI** input when you are using the HDMI connector. Press the joystick to confirm the selection.
Brightness/Contrast Sync		Allows you synchronize the **Brightness/Contrast** of the two sources that are connected to monitor.
Rename Inputs		Allows you to specify a preset input name for the selected input source. The preset options are **PC**, **PC 1**, **PC 2**, **Laptop**, **Laptop 1**, and **Laptop 2**. The default setting is **Off**. ⓘ **NOTE:** When you perform a rename for the USB-C input, the wattage value remains after the specified option, for example, **PC 1 ⇨ 90W**. ⓘ **NOTE:** It is not applicable for the input names that are shown in the warning messages and **Display Info.**
USB-C Switch when PC Sleep **(P2725DE/P2725QE)**		Allows to keep your signal on the USB-C while the PC sleeps without cutting to other ports.
Auto Select		Allows you to scan for available input sources. The default is **On**.
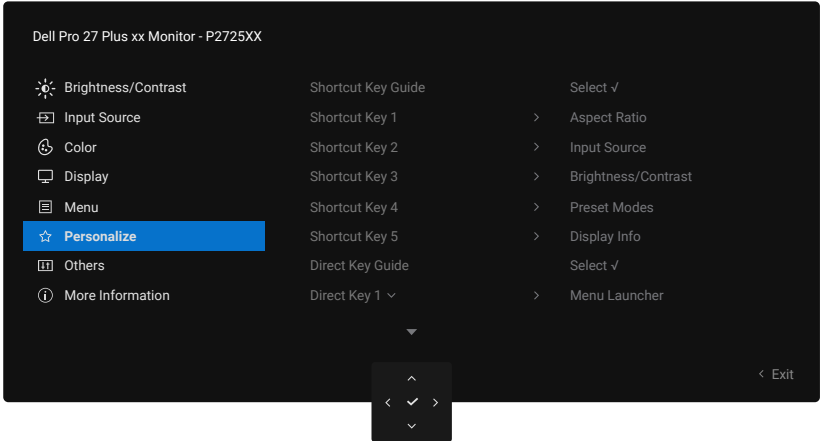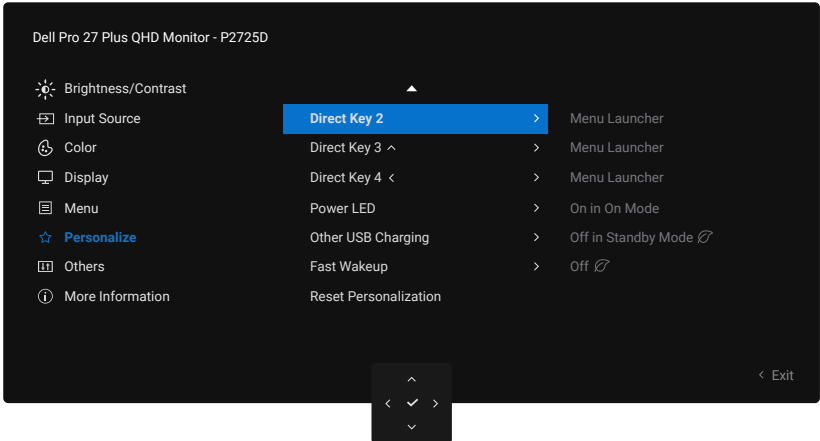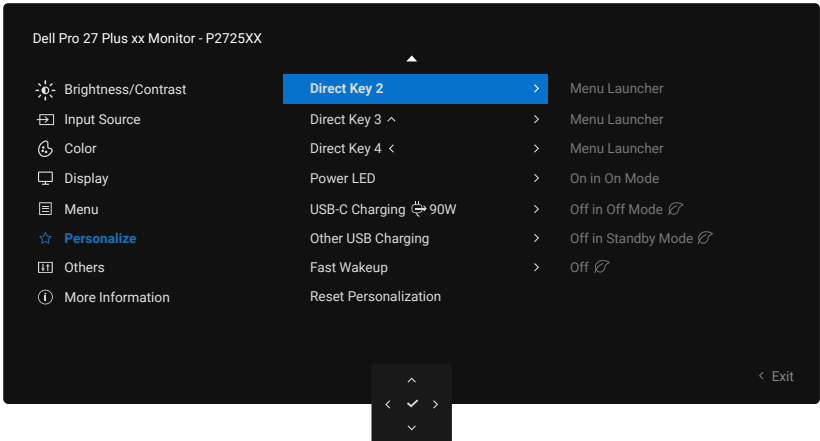
Icon	Menu and submenus	Description
	Options for USB-C (P2725DE/P2725QE)	Allows you to set Auto Select for USB-C to: • **Prompt for Multiple Inputs**: Always displays the "**Switch to USB-C Video Input**" message for you to choose whether to switch or not. • **Always Switch**: Always switches to USB-C video input (without asking) when the USB-C (C-C) cable is connected. • **Off**: Never automatically switches to USB-C video input when the USB-C (C-C) cable is connected. Press the joystick to confirm the selection. ⓘ **NOTE:** The option is available only when **Auto Select** is **On**.
	Options for DP/HDMI	Allows you to set Auto Select for DP/HDMI to: • **Prompt for Multiple Inputs**: Always displays the "Switch to DP/HDMI Video Input" message for you to choose whether to switch or not. • **Always Switch**: Always switches to DP /HDMI video input (without asking) when the DP/HDMI cable is connected. • **Off**: Never automatically switches to DP/HDMI video input when the DP/HDMI cable is connected. Press the joystick to confirm the selection. ⓘ **NOTE:** The option is available only when **Auto Select** is **On**.
	Reset Input Source	Resets your monitor input settings to the factory settings.
🍪	**Color**	Adjusts the color setting mode. Dell Pro 27 Plus xx Monitor - P2725XX Brightness/Contrast Preset Modes > Standard Input Source Input Color Format > RGB **Color** Reset Color Display Menu Personalize Others More Information ‹ Exit

Icon	Menu and submenus	Description
	Preset Modes	Allows you to choose from the list of preset color modes. Press the joystick to confirm the selection. • **Standard**: This is the default setting. Using a low blue light panel, this monitor is certified by TÜV to reduce blue light output and create more relaxing and less stimulating images. • **Movie**: Loads color settings are ideal for movies. • **Game**: Loads color settings are ideal for most gaming applications. • **Warm**: Increases the color temperature. 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 (R/G/B) and create your own preset color mode.

Dell Pro 27 Plus xx Monitor - P2725XX

☼ Brightness/Contrast	**Preset Modes**	✓ **Standard**
⊡ Input Source	Input Color Format	Movie
◑ **Color**	Reset Color	Game
⊡ Display		Warm
▤ Menu		Cool
☆ Personalize		Custom Color ⟩
⊞ Others		
ⓘ More Information		

‹ Exit

Icon	Menu and submenus	Description
	Input Color Format	Allow you to set the video input mode to: • **RGB**: Select this option if your monitor is connected to a computer or a media player that supports RGB output. • **YCbCr**: Select this option if your media player supports only YCbCr output. Press the joystick to confirm the selection.

Dell Pro 27 Plus xx Monitor - P2725XX

☼ Brightness/Contrast	Preset Modes	✓ **RGB**
⊡ Input Source	**Input Color Format**	YCbCr
◑ **Color**	Reset Color	
⊡ Display		
▤ Menu		
☆ Personalize		
⊞ Others		
ⓘ More Information		

‹ Exit
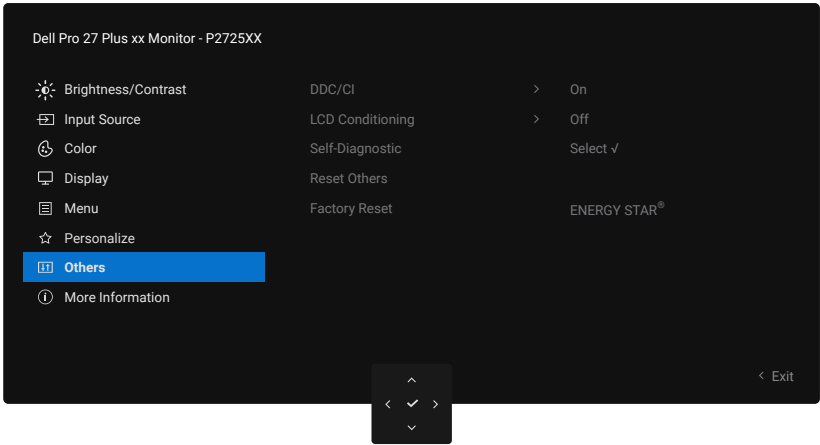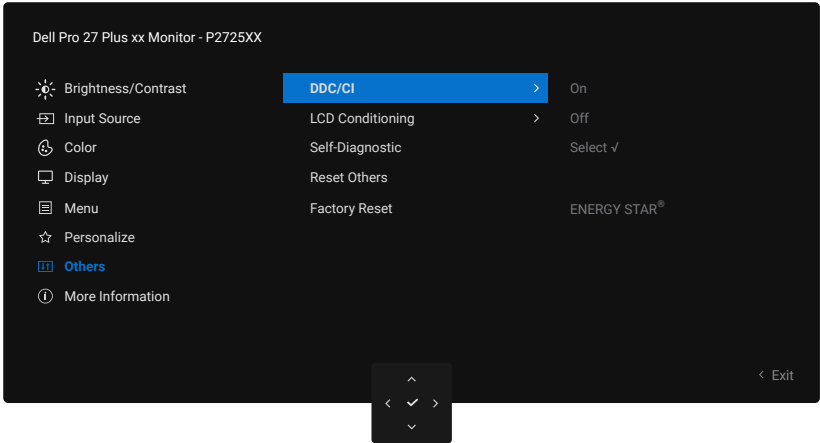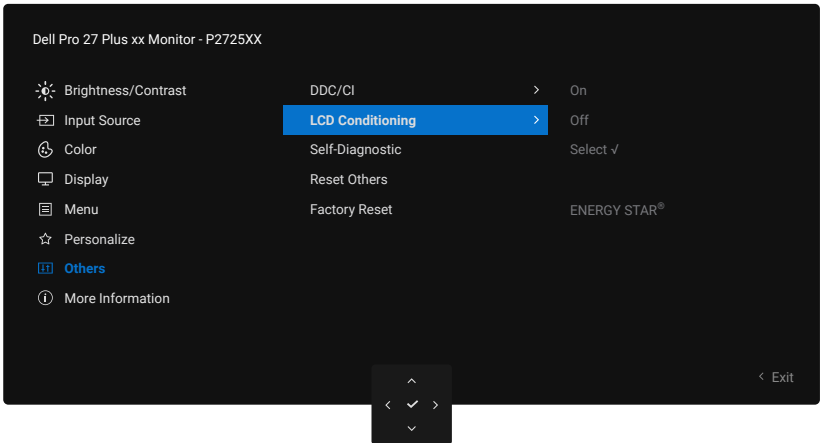
Icon	Menu and submenus	Description
	Hue	This function can shift the color of the video image to green or purple. This is used to adjust the desired flesh tone color. Move the joystick to adjust the hue level from '0' to '100'. ⓘ **NOTE:** The function is available only when you select **Movie** or **Game** preset mode.
	Saturation	This function can adjust the color saturation of the video image. Move the joystick to adjust the saturation level from '0' to '100'. ⓘ **NOTE:** The function is available only when you select **Movie** or **Game** preset mode.
	Reset Color	Resets the color settings to the default settings.
🖵	**Display**	Use **Display** to adjust the image. **P2725D** Dell Pro 27 Plus QHD Monitor - P2725D ☀ Brightness/Contrast Aspect Ratio > 16:9 ⊡ Input Source Sharpness > 50 Ⓒ Color Response Time > Normal 🖵 **Display** Reset Display ▤ Menu ☆ Personalize ⊞ Others ⓘ More Information ‹ Exit **P2725DE** Dell Pro 27 Plus QHD USB-C Hub Monitor - P2725DE ☀ Brightness/Contrast Aspect Ratio > 16:9 ⊡ Input Source Sharpness > 50 Ⓒ Color Response Time > Normal 🖵 **Display** MST > Off ▤ Menu USB-C Prioritization > High Resolution ☆ Personalize Dell Power Button Sync > Off ⊞ Others Reset Display ⓘ More Information ‹ Exit

Icon	Menu and submenus	Description
		P2725QE Dell Pro 27 Plus 4K USB-C Hub Monitor - P2725QE Brightness/Contrast Aspect Ratio > 16:9 Input Source Sharpness > 50 Color Response Time > Normal **Display** USB-C Prioritization > High Data Speed Menu Dell Power Button Sync > Off Personalize Reset Display Others More Information < Exit
Aspect Ratio		Adjusts the image ratio to **16:9**, **4:3** or **5:4**.
Sharpness		This function can make the image look sharper or softer. Move the joystick to adjust the sharpness level from '0' to '100'.
Response Time		Allows you to set the response time to **Normal** or **Fast**.
MST **(P2725DE)**		DisplayPort Multi Stream Transport. The default setting is **Off**. To enable **MST** (DP out), select **On**. ⓘ **NOTE:** When the DisplayPort/USB-C cable and the DP downstream cable are connected, the OSD sets **MST** to **On** automatically. This action will only be done once after **Factory Reset** or **Reset Display** is selected.
USB-C Prioritization **(P2725DE/P2725QE)**		Allows you to specify the priority to transfer the data with high resolution (**High Resolution**) or high speed (**High Data Speed**) when using the USB-C port/ DisplayPort.
Dell Power Button Sync **(P2725DE/P2725QE)**		Allows you to control PC system power state from the monitor power button. Allows you to On or Off Dell Power Button Sync function. ⓘ **NOTE:** This feature is only supported with the Dell platform which has a built-in DPBS function, and is only supported over USB-C interface.
Reset Display		Resets all display settings to the factory preset values.

Icon	Menu and submenus	Description
☰	**Menu**	Adjusts the settings of the OSD, such as the languages of the OSD, the amount of time the menu remains on screen, and so on. Dell Pro 27 Plus xx Monitor - P2725XX Brightness/Contrast — Language — English Input Source — Rotation — Select √ Color — Transparency — 10 Display — Timer — 20 s **Menu** — Lock — Disable Personalize — Reset Menu Others More Information Exit
	Language	Sets the OSD display to one of the eight languages (English, Spanish, French, German, Brazilian Portuguese, Russian, Simplified Chinese, or Japanese).
	Rotation	Press the joystick to rotate the OSD by 0/90/270 degrees. You can adjust the menu according to your display rotation.
	Transparency	Select to change the menu transparency by moving the joystick (min. 0/max. 100).
	Timer	Sets the length of time for the OSD to remain active after your last operation with the joystick. Move the joystick to adjust the slider in 1 second increments, from 5-60 seconds.
	Lock	With the control buttons on the monitor are locked, you can prevent others from accessing the controls. Dell Pro 27 Plus xx Monitor - P2725XX Brightness/Contrast — Language Input Source — Rotation Color — Transparency Display — Timer **Menu** — Lock — Menu Buttons Personalize — Reset Menu — Power Button Others — Menu + Power Buttons More Information — ✓ Disable Exit **Menu Buttons**: All joystick functions 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 joystick and Power button are locked and not accessible by the user. The default setting is **Disable**. Alternative Lock Method: You can move and hold the joystick up or down or left or right for 4 seconds to set the lock options using the menu, and then press the joystick to confirm the configuration. ⓘ **NOTE:** To unlock, move and hold the joystick up or down or left or right for 4 seconds, and then press the joystick to confirm the changes and close the menu.
	Reset Menu	Resets all OSD settings to the factory preset values.

Icon	Menu and submenus	Description
☆	**Personalize**	**P2725D/P2725DE/P2725QE** Dell Pro 27 Plus xx Monitor - P2725XX Brightness/Contrast — Shortcut Key Guide — Select √ Input Source — Shortcut Key 1 › — Aspect Ratio Color — Shortcut Key 2 › — Input Source Display — Shortcut Key 3 › — Brightness/Contrast Menu — Shortcut Key 4 › — Preset Modes **Personalize** — Shortcut Key 5 › — Display Info Others — Direct Key Guide — Select √ More Information — Direct Key 1 ⌄ › — Menu Launcher ‹ Exit **P2725D** Dell Pro 27 Plus QHD Monitor - P2725D Brightness/Contrast Input Source — **Direct Key 2** › — Menu Launcher Color — Direct Key 3 ⌃ › — Menu Launcher Display — Direct Key 4 ‹ › — Menu Launcher Menu — Power LED › — On in On Mode **Personalize** — Other USB Charging › — Off in Standby Mode ⬚ Others — Fast Wakeup › — Off ⬚ More Information — Reset Personalization ‹ Exit **P2725DE/P2725QE** Dell Pro 27 Plus xx Monitor - P2725XX Brightness/Contrast — **Direct Key 2** › — Menu Launcher Input Source — Direct Key 3 ⌃ › — Menu Launcher Color — Direct Key 4 ‹ › — Menu Launcher Display — Power LED › — On in On Mode Menu — USB-C Charging ⚡90W › — Off in Off Mode ⬚ **Personalize** — Other USB Charging › — Off in Standby Mode ⬚ Others — Fast Wakeup › — Off ⬚ More Information — Reset Personalization ‹ Exit

Icon	Menu and submenus	Description
	Shortcut Key Guide	Shortcut key setting guide.
	Shortcut Key 1	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.
	Shortcut Key 2	ⓘ **NOTE:** To reduce to 4 Shortcut Keys, go to Shortcut Key 5, and select '-'. Once the '-' in Shortcut Key 5 is selected, the '-' in Shortcut Key 4 will appear.
	Shortcut Key 3	
	Shortcut Key 4	
	Shortcut Key 5	
	Direct Key Guide	Direct Key Guide.
	Direct Key 1 ⌄	Allows you to set the **Down** key to a function in the list.
	Direct Key 2 ⟩	Allows you to set the **Right** key to a function in the list.
	Direct Key 3 ⌃	Allows you to set the **Up** key to a function in the list.
	Direct Key 4 ⟨	Allows you to set the **Left** key to a function in the list.
	Power LED	Allows you to set the state of the power light to save energy.
	USB-C Charging ⇨ 90W (P2725DE/P2725QE)	Allows you to enable or disable the **USB-C Charging ⇨ 90W** function during monitor off mode. If **On in Off Mode** is selected, you can charge your laptop or mobile devices through the USB-C cable even when the monitor is powered Off. ⓘ **NOTE:** The function is not selectable and will be defaulted to **On in Off Mode** if the Monitor is connected to Dell Latitude and Precision laptop that support Dell Power Button Sync through USB-C. Under this configuration, the monitor USB-C charging function is always available during Off Mode.
	Other USB Charge	Allows you to enable or disable the USB Type-A and USB-C Downstream Ports charging function during monitor standby mode. When this function is enabled, you can charge your mobile devices through the USB-A cable even when the monitor is in powered off. ⓘ **NOTE:** This function is available when the USB-C cable is unplugged from the upstream port. If the USB-C cable is connected, **Other USB Charging** follows the USB host power status, and the function is not accessible.
	Fast Wakeup	Speeds up recovery time from standby mode.
	Reset Personalization	Resets all settings under the **Personalize** menu to the factory preset values.

Icon	Menu and submenus	Description
⊞	**Others**	Adjusts the OSD settings, such as **DDC/CI**, **LCD Conditioning**, **Self-Diagnostic**, and so on. Dell Pro 27 Plus xx Monitor - P2725XX Brightness/Contrast — DDC/CI > On Input Source — LCD Conditioning > Off Color — Self-Diagnostic — Select √ Display — Reset Others Menu — Factory Reset — ENERGY STAR® Personalize **Others** More Information ‹ Exit
	DDC/CI	**DDC/CI** (Display Data Channel/Command Interface) allows you to adjust the monitor settings using software on your computer. Enable this function for the best user experience and optimum performance of your monitor. You can disable this function by selecting **Off**. Dell Pro 27 Plus xx Monitor - P2725XX Brightness/Contrast — **DDC/CI** > On Input Source — LCD Conditioning > Off Color — Self-Diagnostic — Select √ Display — Reset Others Menu — Factory Reset — ENERGY STAR® Personalize **Others** More Information ‹ Exit
	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 function by selecting **On**. Dell Pro 27 Plus xx Monitor - P2725XX Brightness/Contrast — DDC/CI > On Input Source — **LCD Conditioning** > Off Color — Self-Diagnostic — Select √ Display — Reset Others Menu — Factory Reset — ENERGY STAR® Personalize **Others** More Information ‹ Exit

Icon	Menu and submenus	Description
	Self-Diagnostic	Select this function to run the built-in diagnostics, see Built-in diagnostics.
	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.
ⓘ	**More Information**	Use the menu to view the monitor's information or seek more monitor support.
	Display Info	Select to display the current settings, firmware version, and service tag of your monitor. **P2725D**

Icon	Menu and submenus	Description
		P2725DE Display Info Input Source : DP Resolution : 2560x1440, 100 Hz 24-bit Monitor Capability : USB-C 90W DP 1.4 HBR3 (DSC) HDMI 2.1 TMDS USB : - Stream Info : 5.4Gbps 4-lane Model : P2725DE Firmware : XXXXXX Service Tag : XXXXXXX **P2725QE** Display Info Input Source : USB-C 90W Resolution : 3840x2160, 60 Hz 24-bit Monitor Capability : USB-C 90W DP 1.4 HBR3 (DSC) HDMI 2.1 FRL6 USB : 3.2 Gen 1 Stream Info : 8.1Gbps 2-Lane DSC Model : P2725QE Firmware : XXXXXX Service Tag : XXXXXXX ⓘ **NOTE:** The image that is shown above is for of illustration only. The information may vary depending on the model and current settings.
	Dell Monitor Support	To access the general monitor support materials for your monitor, use your smartphone to scan the QR code.

OSD messages

Initial Setup

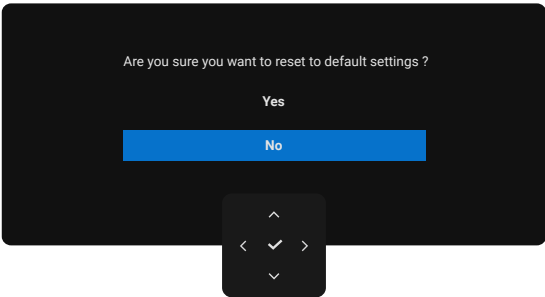When **Factory Reset** is selected, the following message appears:

Figure 66. **Factory Reset warning message**

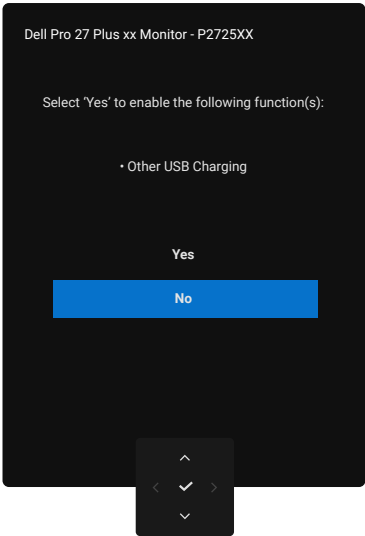If you select **Yes** to reset to default settings, the following message appears:

Figure 67. **Select Yes to reset the warning message**

OSD warning messages

When the monitor does not support a particular resolution mode, you see the following message:
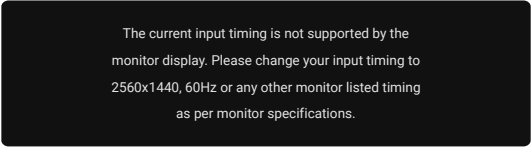
P2725D/P2725DE

The current input timing is not supported by the monitor display. Please change your input timing to 2560x1440, 60Hz or any other monitor listed timing as per monitor specifications.

Figure 68.   Resolution mode warning message

P2725QE

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 monitor specifications.
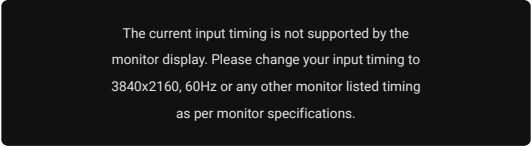
Figure 69.   Resolution mode warning message

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. The recommended mode is **2560 x 1440** (**P2725D/P2725DE**)/**3840x2160** (**P2725QE**).

When you adjust the **Brightness** level above the default level for the first time, the following message appears:

Adjusting to this value will increase power consumption above the default level.

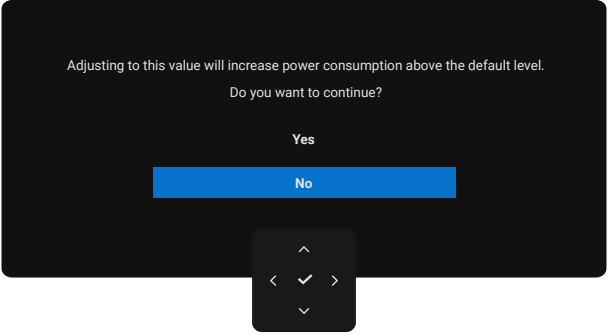Do you want to continue?

Yes

No

Figure 70.   Power warning message

ⓘ **NOTE:** If you select Yes, the message will not appear the next time that you change the Brightness setting.

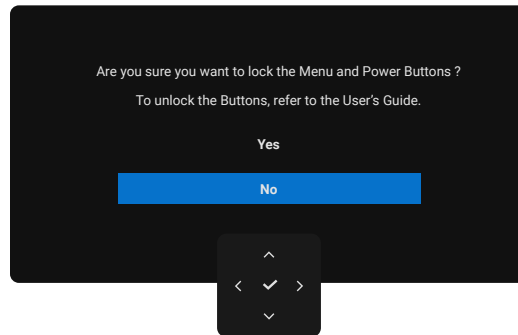You see that the following message before the **Lock** function is activated:

Figure 71.   Lock function warning message

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

When you change the default **USB Charging** setting for the first time, the following message appears:
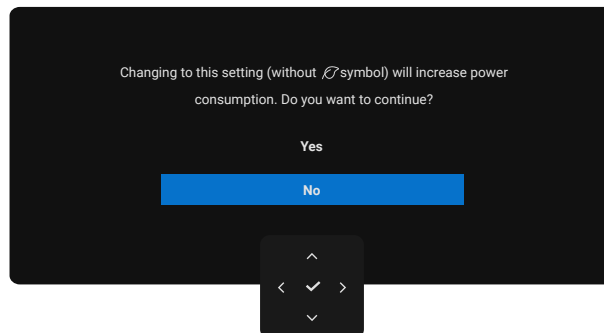

Figure 72.   USB Charging setting warning message

ⓘ **NOTE:** If you select Yes, the message will not appear the next time that you change the USB Charging setting. When you perform the factory reset (see Factory Reset), the message appears again.

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

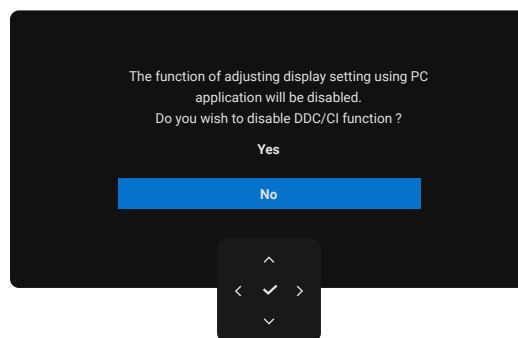**Figure 73.   DDC/CI warning message**

When the monitor goes into Standby mode, the following message appears:
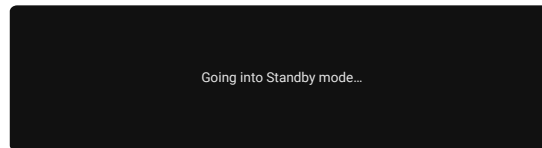

Going into Standby mode…

Figure 74.   Standby mode warning message

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

The OSD functions only in the normal operation mode. If you press the joystick during the Standby mode, the following message appears depending on the selected input:

No DP signal from your device.
Press any key on the keyboard to wake up.
If there is no display, press the monitor joystick to open up the
Menu and select the correct input source.
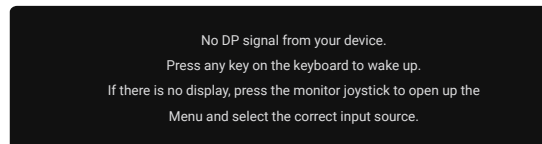
Figure 75.   Normal operation mode warning message

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 DisplayPort, HDMI, or USB input is selected and the corresponding cable is not connected, the following message appears:

No DP Cable
The display will go into Standby mode in 4 minutes.
www.dell.com/support/P2725XX

Figure 76.   DP cable disconnected warning message

ⓘ **NOTE:** The message may be slightly different according to the selected input signal.

For more information, see Troubleshooting.

Setting the maximum resolution

ⓘ **NOTE:** The steps may vary slightly depending on the version of Windows you have.

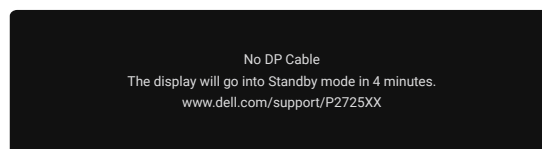To set the maximum resolution for the monitor:

In Windows 10 and Windows 11:

1. Right-click the desktop and click **Display settings**.
2. If you have more than one monitor connected, ensure that you select **P2725D/P2725DE/P2725QE**.
3. Click the **Display settings** drop-down list and select **2560 x 1440 (P2725D/P2725DE)/3840 x 2160 (P2725QE)**.
4. Click **Keep changes**.

If you do not see **2560 x 1440 (P2725D/P2725DE)/3840 x 2160 (P2725QE)** as an option, you must update your graphics driver to the latest version. Depending on your computer, complete one of the following procedures:

If you have a Dell desktop or laptop:

- 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 (laptop or desktop):

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

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 all video cables from the monitor. To ensure proper self-test operation, remove all digital cables from the back of the computer.
3. Turn on the monitor.

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

ⓘ **NOTE:** A 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.

If the monitor cannot sense a video signal and is working correctly, the following message appears:

No DP Cable
The display will go into Standby mode in 4 minutes.
www.dell.com/support/P2725XX

Figure 77. DP cable disconnected warning message
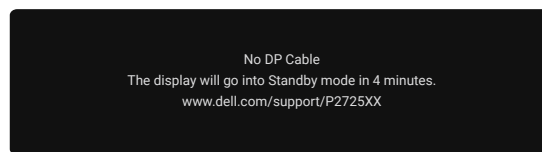
ⓘ **NOTE:** This message also appears during normal operation, when the video cable is disconnected or damaged.

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

If your monitor screen remains blank after you perform 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 any screen abnormality you experience is an inherent problem with your monitor, or with your computer and video card.
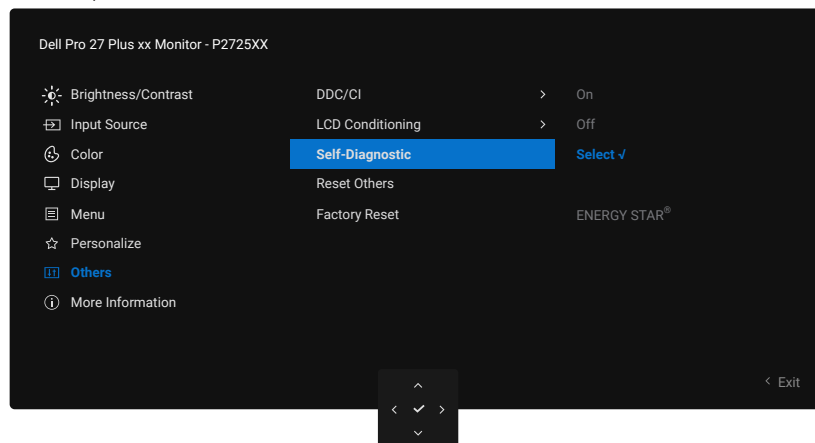

Figure 78.   Built-in diagnostics function buttons

To run the built-in diagnostics:

1. Ensure that the screen is clean (no dust particles on the surface of the screen).
2. Move or press the joystick to launch the Menu Launcher.
3. Move the joystick up to select ☰ and open the Main Menu.
4. Move the joystick to navigate and select **Others** and then **Self-Diagnostic**.
5. Press the joystick to initiate the built-in diagnostics. A gray screen is displayed.
6. Observe if the screen has any defects or abnormalities.
7. Switch the joystick once again until a red screen is displayed.
8. Observe if the screen has any defects or abnormalities.
9. Repeat steps 7 and 8 until the screen displays green, blue, black, and white colors. Note any abnormalities or defects.

The test is completed when a text screen is displayed. To exit, switch the joystick control 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 provides general information about common monitor problems that you might encounter and the possible solutions:

Table 35. Common problems and 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 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. For more information, see Built-in diagnostics. • Ensure that the correct input source is selected in the Input Source menu.
Poor focus	The picture is fuzzy, blurry, or ghosting	• Disconnect video extension cables. • Reset the monitor to Factory Settings (**Factory Reset**). • Change the video resolution to the correct aspect ratio.
Shaky/jittery video	Wavy picture or fine movement	• Reset the monitor to Factory Settings (**Factory Reset**). • Check environmental factors. • Relocate the monitor and test in another room.
Missing pixels	LCD screen has spots	• Cycle power On-Off. • A 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/pixelguidelines.
Stuck-on pixels	LCD screen has bright spots	• Cycle power On-Off. • A 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/pixelguidelines.
Brightness problems	Picture too dim or too bright	• Reset the monitor to factory settings (**Factory Reset**). • Adjust brightness and contrast controls using OSD.
Horizontal/vertical lines	Screen has one or more lines	• Reset the monitor to factory settings (**Factory Reset**). • Perform a monitor self-test feature check and determine if these lines are also in self-test mode. • Check for bent or broken pins in the video cable connector. • Run the Built-in diagnostics.
Synchronization problems	Screen is scrambled or appears torn	• Reset the monitor to factory settings (**Factory Reset**). • Perform a 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 safe mode.
Safety-related issues	Visible signs of smoke or sparks	• Do not perform any troubleshooting steps. • Contacting Dell immediately.

Common symptoms	What you experience	Possible solutions
Intermittent problems	Monitor malfunctions on and off	• 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 a 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 is not good	• 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 **YCbCr** 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	A faint shadow from the static image that is displayed appears on the screen	• Set the screen to turn off after a few minutes of screen idle time. These can be adjusted in the **Windows Power Options** or **Mac Energy Saver** setting. • Alternatively, use a dynamically changing screensaver.
Video ghosting or overshooting	Video ghosting, shadows, or color smear while scrolling	• Change the **Response Time** in the **Display** OSD to **Fast** or **Normal** depending on your application and usage.

Product-specific problems

Table 36. Product-specific problems and solutions.

Specific symptoms	Specific symptoms	Possible solutions
The screen image is too small	The image is centered on the screen, but does not fill the entire viewing area	• Check the **Aspect Ratio** setting in the **Display** settings OSD. • Reset the monitor to factory settings (**Factory Reset**).
Cannot adjust the monitor with the joystick	OSD does not appear on the screen	• Turn Off the monitor, unplug the power cable, plug it back, and then turn On the monitor. • Check whether the OSD menu is locked. If yes, move and hold the joystick up/down/left/right for 4 seconds to unlock (for more information, see Locking the control buttons).
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 Standby 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	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 video at HDMI/ DisplayPort/USB-C port	When connected to some dongle/ docking device at the port, there is no video when unplugging/ plugging the cable from the notebook	• Unplug the HDMI/DisplayPort/USB-C cable from dongle/docking device, then plug the docking HDMI/DisplayPort/USB-C cable to the notebook.
When a PS console is connected, the monitor is not compatible with the 1080i (interlaced) video timing	A message appears to notify you that the monitor does not support the current input timing	• Change the resolution of the PS console in Safe Mode. For the information about setting up the resolution, go to the official website of PlayStation.
No network connection	Network dropped or intermittent	• Do not turn Off the monitor during a network connection.
The LAN port is not functioning	Operating system setting or cable connection issue	• Ensure that the latest BIOS and drivers for your computer are installed on your computer. • Ensure that the RealTek Gigabit Ethernet Controller is installed in the Windows Device Manager. • If your BIOS Setup has a LAN/GBE Enabled/Disabled option, make sure it is set to Enabled. • Ensure that the Ethernet cable is connected securely on the monitor and the hub/router/firewall. • Check the status LED of the Ethernet cable to confirm connectivity. Re-connect both ends of the Ethernet cable if the LED is not lit. • First turn off the computer and unplug the USB-C cable and the power cable from the monitor. Then, turn on the computer and plug the power cable and the USB-C cable into the monitor.
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 90 W power charging. • USB-C interface of the device cannot support DP Alternate mode. • Set Windows to Projection mode. • Ensure that the USB-C cable is not damaged.

Specific symptoms	Specific symptoms	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 the 5 V/9 V/15 V/20 V charging profiles. • Verify if the Notebook requires a > 90 W power adapter. • If the Notebook requires a > 90 W power adapter, it may not charge with the USB-C connection. • Ensure that you use only the 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 a computer, laptop, and so on	Intermittent charging	• Check if the maximum power consumption of the device is over 90 W. • Ensure that you use only the 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 personal computer	Black screen	• Verify which DP standard (DP 1.1a or DP 1.2 or DP 1.4) is your Graphics card that is certified to. Download and install the latest graphics card driver. • Some DP 1.1a graphics card cannot support DP 1.4 monitors. Go to OSD menu, under Input Source selection, press and hold the DP select ⊘ key for 8 secs to change the monitor setting from DP 1.4 to DP 1.1a.
When the first monitor is connected to your personal computer or laptop using the USB-C connection, you might not be able to select the optimal resolution* for the third (or more) monitor in Daisy chain mode in DP1.4	When **MST** is **On** and **USB-C Prioritization** is set to **High Data Speed**, the displayed pictures on the 3rd (or more) daisy chained monitor are not at the optimal resolution*	• Switch **USB-C Prioritization** from **High Data Speed** to **High Resolution** (USB speed reduced to 2.0).
No image when using DP out connection on first monitor	Black screen in secondary monitor, but first monitor is normal	• Switch **MST On** on first monitor.

*The optimal resolution for **P2725D/P2725DE** is **2560 x 1440** at 60 Hz; the optimal resolution for **P2725QE** is **3840 x 2160** at 60 Hz.

Universal Serial Bus (USB) specific problems

Table 37.   Universal Serial Bus (USB) specific problems and solutions.

Specific symptoms	Specific symptoms	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). • Turn off the monitor and turn it on again. • Reboot the computer. • Certain USB devices such as portable hard drive require a higher power source; connect the drive to the computer directly.
USB-C port does not supply power	USB peripherals cannot be charged	• Check that the connected device is compliant with the USB-C specification. The USB-C port supports USB 5Gbps and an output of 90 W. • Check that you use the USB-C cable that is shipped with your monitor.
USB 5Gbps interface is slow	USB 5Gbps peripherals working slowly or not working at all	• Check that your computer is USB 5Gbps-compatible. • Some computers have USB 5Gbps, USB 10Gbps, 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 5Gbps, USB 10Gbps 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 5Gbps, USB 10Gbps 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 5Gbps, USB 10Gbps port.
Wireless USB mouse does not work properly	When plugged into one of the USB ports on the rear side of the monitor, the Wireless USB mouse lags or freezes during use	• Unplug the Wireless USB Mouse receiver and replug it into one of the Quick Access USB ports at the bottom of the monitor.

Regulatory information

TCO Certified

Any Dell product bearing a TCO label has been certified to a TCO voluntary environmental certification. TCO certification requirements focus on features that contribute to a healthy work environment such as recyclable design, energy efficiency, ergonomics, emissions, avoidance of hazardous substances, and product take back.

For more information on your Dell product and the TCO certification, please visit:

Dell.com/environment/TCO_Certified

For more information on TCO's environmental certifications, please visit:

tcocertified.com

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

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

EU product database for energy label and product information sheet

P2725D: https://eprel.ec.europa.eu/qr/2173550
P2725DE: https://eprel.ec.europa.eu/qr/2173563
P2725QE: https://eprel.ec.europa.eu/qr/2173572

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see https://www.dell.com/contactdell.

ⓘ **NOTE:** Availability varies by country and product, and some services may not be available in your country.

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