Dell Pro 24 Plus QHD Monitor

P2425D
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 in this document assumes that you have read the safety information that is 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 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 Information (SERI) document that is shipped with your monitor.

About your monitor
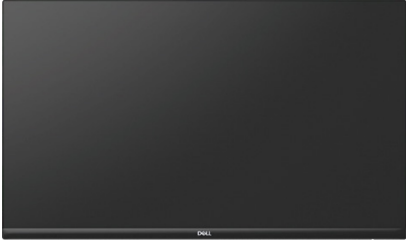
Package contents

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

ⓘ **NOTE:** To set up the stand from any other source, see the documentation that comes with the stand for instructions.

Table 1.   Monitor components and descriptions.

Component image	Component description
	Display
	Stand riser
	Stand base
	DisplayPort to DisplayPort 1.4 cable (1.80 m)
	HDMI cable (for selected countries only) (1.80 m)
	USB Type-A to Type-B 5Gbps cable (1.80 m)
	Power cable (varies by country)
	• QR card • Safety, Environmental, and Regulatory Information

Product features

The Dell P2425D flat panel monitor has an active matrix, Thin-Film Transistor (TFT), Liquid Crystal Display (LCD) panel with LED backlight. The monitor features include:

- 604.5 mm (23.8 in.) viewable area display (measured diagonally).
- 2560 x 1440 resolution, with full-screen support for lower resolutions.
- Wide viewing angles of 178 degrees in vertical and horizontal directions.
- Color gamut of sRGB 99% (CIE 1931) (typical).
- Digital connectivity with DisplayPort and HDMI ports.
- Tilt, swivel, height, and pivot adjustment capabilities.
- Ultra-thin bezel minimizes the bezel gap in multi-monitor usage, enabling easier setup with an elegant viewing experience.
- Removable stand and Video Electronics Standards Association (VESA) 100 mm mounting holes for flexible mounting solutions.
- Equipped with:
  - One USB 5Gbps Type-B upstream port
  - One USB-C 5Gbps downstream port
  - Three USB 5Gbps Type-A downstream ports
- Plug and play is capable if supported by your computer.
- On-Screen Display (OSD) adjustments for ease of set-up and screen optimization.
- Power and joystick buttons lock.
- Security-lock slot for Kensington locks (sold separately).
- Stand lock.
- ≤0.3 W in Standby Mode.
- Supports Dell Display and Peripheral Manager.
- Optimize eye comfort with a flicker-free screen.
- 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 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 sRGB 95%. 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 is 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 features Flicker-Free technology, which eliminates visible flicker to ensure a comfortable viewing experience and helps prevent 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 thereby 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,** see* eye-comfort website.

Table 3. 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) and sRGB[4] Min.95% (CIE 1931) or Adobe RGB[6] Min.95% (CIE 1931) and 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 which is 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 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 branded monitor firmware, software application, or driver updates are available on the Dell support website.

Identifying parts and controls

Front view
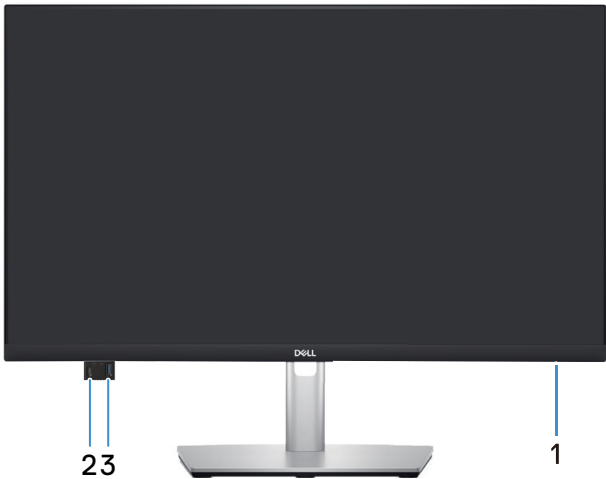
Figure 1. **Front view**

Table 4. **Components and descriptions.**

Label	Description	Use
1	Power LED indicator	Solid white light indicates that the monitor is turned on and is functioning. Blinking white light indicates that the monitor is in Standby Mode.
2	⛖ 5 Quick access USB-C 5Gbps downstream port (data only)	Connect your USB device* or charge your device. ⓘ **NOTE:** To use these ports, you must connect the USB cable (shipped with your monitor) to the USB upstream port on the monitor and to your computer.
3	⛖ 5 Quick access USB 5Gbps Type-A downstream port	Connect your USB device* or charge your device. ⓘ **NOTE:** To use these ports, you must connect the USB cable (shipped with your monitor) to the USB upstream port on the monitor and to your computer.

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

Back view

Figure 2. **Back view**

Table 5. **Components and descriptions.**

Label	Description	Use
1	VESA mounting holes (100 mm x 100 mm - behind attached VESA cover)	Wall mount the monitor using VESA-compatible wall mount kit. ⓘ **NOTE:** Wall-mount kit is not shipped with your monitor and is sold separately.
2	Regulatory information label	Lists the regulatory approvals.
3	Stand release button	Releases the stand from the monitor.
4	Power button	To turn the monitor on or off.
5	Joystick	Use to control the OSD menu. For more information, see Operating the monitor.
6	Regulatory label (including MyDell QR code, 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.
7	Cable-management slot	Use to organize cables by routing them through the slot.

Bottom view
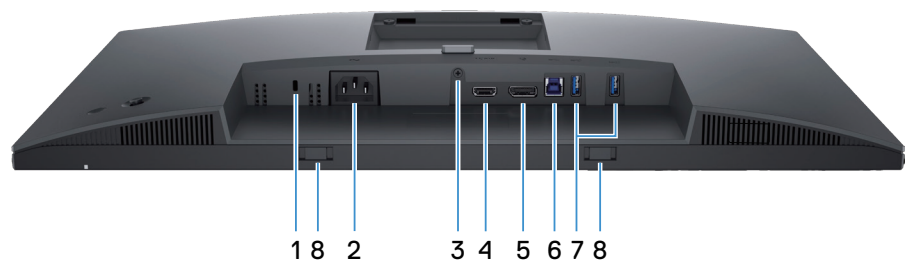
Figure 3. Bottom view

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 M3 x 6 mm screw (screw not included).
4	HDMI HDMI port	Connect to your computer with the HDMI cable shipped with your monitor (for selected countries only).
5	DisplayPort 1.4 port	Connect to your computer with the DisplayPort cable (shipped with your monitor).
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	Connect your USB device.* ⓘ **NOTE:** To use these ports, you must connect the USB cable (shipped with your monitor) to the USB upstream port on the monitor and to your computer.
8	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.

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

Monitor specifications

Table 7. Monitor specifications.

Description	Value
Screen type	Active matrix - TFT LCD
Panel technology	In-Plane Switching (IPS) Technology
Aspect ratio	16:9
Viewable image dimensions	
Diagonal	604.5 mm (23.8 in.)
Active area	
Horizontal	526.85 mm (20.74 in.)
Vertical	296.35 mm (11.67 in.)
Area	1561.32 cm^2 (242.01 in.^{2})
Pixel pitch	
Horizontal	0.2058 mm
Vertical	0.2058 mm
Pixel per inch (PPI)	123
Viewing angle	
Horizontal	178° (typical)
Vertical	178° (typical)
Brightness	350 cd/m² (typical)
Contrast ratio	1500:1 (typical)
Display screen coating	Anti-glare with hard-coating 3H
Backlight	LED Edgelight System
Response time	• Normal mode: 8.0 ms (gray to gray) • Fast mode: 5.0 ms (gray to gray)
Color depth	16.70 million colors
Color gamut	sRGB 99% (CIE 1931) (typical)
Connectivity	Rear: • One DisplayPort 1.4 port (HDCP1.4) (support up to 2560 x 1440 100 Hz) • One HDMI port (HDCP 1.4) (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 port (bottom left): • One USB 5Gbps Type-A downstream port • One USB-C 5Gbps downstream port (Power Delivery up to 15 W)
Border width (edge of monitor to active area)	
Top	5.88 mm (0.23 in.)
Left/Right	5.93 mm (0.23 in.)
Bottom	13.02 mm (0.51 in.)

Description	Value
Adjustability	
Height adjustable stand	150 mm
Tilt	-5° to 21°
Swivel	-45° to 45°
Pivot	-90° to 90°
Cable management	Yes
Security	Security-lock slot (for Kensington locks, 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.

ⓘ **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 Dell Support Site.

Resolution specifications

Table 8. **Resolution specifications**

Description	Value
Horizontal scan range	30 kHz to 150 kHz (automatic)
Vertical scan range	48 Hz to 100 Hz (automatic)
Maximum preset resolution	2560 x 1440 at 100 Hz

Supported video modes

Table 9. **Supported video modes**

Description	Value
Video display capabilities (HDMI and DisplayPort)	480p, 576p, 720p, 1080i (HDMI), 1080p, 1440p

Preset display modes

Table 10. **Preset display modes**

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (Horizontal/Vertical)
IBM 720 x 400	31.50	70.10	28.30	-/+
VESA 640 x 480	31.50	59.90	25.20	-/-
VESA 640 x 480	37.50	75.00	31.50	-/-
VESA 800 x 600	37.90	60.30	40.00	+/+
VESA 800 x 600	46.90	75.00	49.50	+/+
VESA 1024 x 768	48.40	60.00	65.00	-/-
VESA 1024 x 768	60.00	75.00	78.80	+/+
VESA 1152 x 864	67.50	75.00	108.00	+/+
VESA 1280 x 768	47.80	59.90	79.50	-/+
VESA 1280 x 1024	64.00	60.00	108.00	+/+
VESA 1280 x 1024	79.90	75.00	135.00	+/+
VESA 1600 x 1200	75.00	60.00	162.00	+/+
VESA 1680 x 1050	65.30	60.00	146.30	-/+
VESA 1920 x 1080	67.50	60.00	148.50	+/+
VESA 1920 x 1200	74.60	59.90	193.30	-/+
VESA 2048 x 1080	66.60	60.00	147.20	+/-
VESA 2560 x 1440	88.80	60.00	241.50	+/-
VESA 2560 x 1440	151.00	100.00	410.50	+/-

ⓘ **NOTE:** The monitor also supports other display resolutions not listed in the preset mode.

Electrical specifications

Table 11. **Electrical specifications**

Description	Value
Video input signals	HDMI*/DisplayPort 1.4, 600 mV for each differential line, 100 ohm input impedance per differential pair.
AC input voltage/frequency/current	100 VAC-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] 15.6 W (On Mode)[1] 75 W (Maximum)[2] 15.9 W (P_{on})[3] 49.6 kWh (TEC)[3]

*Supports up to QHD 2560 x 1440 100 Hz TMDS as per specified in HDMI 2.1.

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

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

[3] P_{on}: Power consumption of On mode as defined in Energy Star 8.0 version.

  TEC: Total energy consumption in kWh as defined in Energy Star 8.0 version.

This document is for informational purposes only and reflects laboratory performance. Your product's performance may vary based on the software, components, and peripherals you have ordered. There is no obligation to update this information.

Accordingly, the customer should not rely upon this information in making decisions about electrical tolerances or otherwise. No warranty as to accuracy or completeness is expressed or implied.

ⓘ **NOTE:** This monitor is ENERGY STAR certified.

ENERGY STAR is a program run by the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE) that promotes energy efficiency.

This product qualifies for ENERGY STAR in the factory default settings, and this is the setting in which power savings is achieved.

Changing the factory default picture settings or enabling other features increases the power consumption that could exceed the limits necessary to qualify for an ENERGY STAR rating.

For more information about the ENERGY STAR program, see energystar website.

Physical characteristics

Table 12.   Physical characteristics

Description	Value
Signal cable type	Digital: DisplayPort, 20 pins
	Digital: HDMI port, 19 pins (cable included for selected countries only)*
	Universal Serial Bus: USB Type-A to USB Type-B, 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)	496.55 mm (19.55 in.)
Height (compressed)	364.00 mm (14.33 in.)
Width	538.70 mm (21.21 in.)
Depth	181.54 mm (7.15 in.)
Dimensions (without stand)	
Height	315.25 mm (12.41 in.)
Width	538.70 mm (21.21 in.)
Depth	49.74 mm (1.96 in.)
Stand dimensions	
Height (extended)	410.80 mm (16.17 in.)
Height (compressed)	364.00 mm (14.33 in.)
Width	249.80 mm (9.83 in.)
Depth	181.54 mm (7.15 in.)
Weight	
Weight with packaging	7.04 kg (15.52 lb)
Weight with stand assembly and cables	5.08 kg (11.20 lb)
Weight without stand assembly (no cables)	3.20 kg (7.05 lb)
Weight of stand assembly	1.47 kg (3.24 lb)

*Check with the sales representative of the respective country.

Environmental characteristics

Table 13.   Environmental characteristics

| Description	Value
Compliant Standards	• ENERGY STAR certified monitor • EPEAT registered where applicable. EPEAT registration varies by country. See EPEAT website for registration status by country. • RoHS-compliant • TCO Certified and TCO Certified Edge • BFR/PVC free monitor (excluding external cables) • Meets NFPA 99 leakage current requirement. • Arsenic-free glass and Mercury-free for the panel only
Temperature	
Operating	0°C to 40°C (32°F to 104°F)
Non-operating: Storage/Shipping	-20°C to 60°C (-4°F to 140°F)
Humidity	
Operating	10% to 80% (non-condensing)
Non-operating: Storage/Shipping	5% to 90% (non-condensing)
Altitude	
Operating (maximum)	5,000 m (16,400 ft)
Non-operating (maximum)	12,191 m (40,000 ft)
Thermal dissipation	256.5 BTU/hour (Maximum) 53.4 BTU/hour (On Mode)

Pin assignments

Pin assignment - DisplayPort
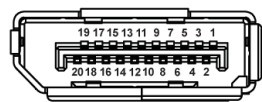
Figure 4.   **DisplayPort Connector**

Table 14.   **Pin assignments - DisplayPort connector**

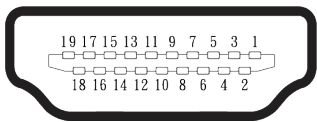| Pin number	20-pin side of the connected Signal assignment
1	ML3 (n)
2	GND
3	ML3 (p)
4	ML2 (n)
5	GND
6	ML2 (p)
7	ML1 (n)
8	GND
9	ML1 (p)
10	ML0 (n)
11	GND
12	ML0 (p)
13	GND
14	GND
15	AUX (p)
16	GND
17	AUX (n)
18	Hot Plug Detect
19	Re-PWR
20	+3.3 V DP_PWR

Pin assignment - HDMI Port

Figure 5.   **HDMI 19-pin connector**

Table 15.   **Pin assignments - HDMI connector**

Pin number	19-pin side of the connected 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

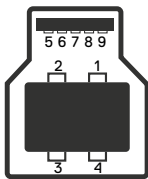## Pin assignment - USB Type-B upstream connector

Figure 6. USB Type-B upstream connector

Table 16. Pin assignments - USB Type-B upstream connector

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

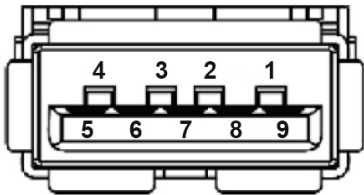## Pin assignment - USB Type-A downstream connector

Figure 7. USB Type-A 9-pin connector

Table 17. Pin assignments - USB Type-A downstream connector.

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

Pin assignment - USB-C downstream

A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12

B12 B11 B10 B9 B8 B7 B6 B5 B4 B3 B2 B1
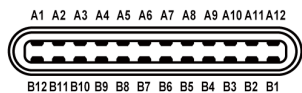
Figure 8. **USB-C connector**

Table 18. **Pin assignments - USB-C connector**

Pin number	Signal name	Pin number	Signal name
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

Universal Serial Bus (USB) interface

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

Rear

- One USB 5Gbps Type-B upstream

Table 19. **USB 5Gbps Type-B upstream**

Transfer speed	Data rate
USB 5Gbps	5 Gbps
USB 2.0	480 Mbps
USB 1.0	12 Mbps

- Two USB 5Gbps Type-A downstream

Table 20. **USB 5Gbps Type-A downstream**

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

Quick access (bottom left)

- One USB 5Gbps Type-A downstream

Table 21. **USB 5Gbps Type-A downstream**

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

- One USB-C 5Gbps downstream

Table 22. **USB-C 5Gbps downstream**

Transfer speed	Data rate	Maximum power supported
USB 5Gbps	5 Gbps	15 W
USB 2.0	480 Mbps	15 W
USB 1.0	12 Mbps	15 W

ⓘ **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 is in standby mode. If you turn off the monitor and then turn it on, the attached peripherals may take a few seconds to resume normal functionality.

Plug-and-play capability

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

LCD monitor quality and pixel policy

During the LCD Monitor manufacturing process, it is not uncommon for one or more pixels to become fixed in an unchanging state which are hard to see and do not affect the display quality or usability. For more information about Dell Monitor Quality and Pixel Policy, see Dell Display Pixel Guidelines.
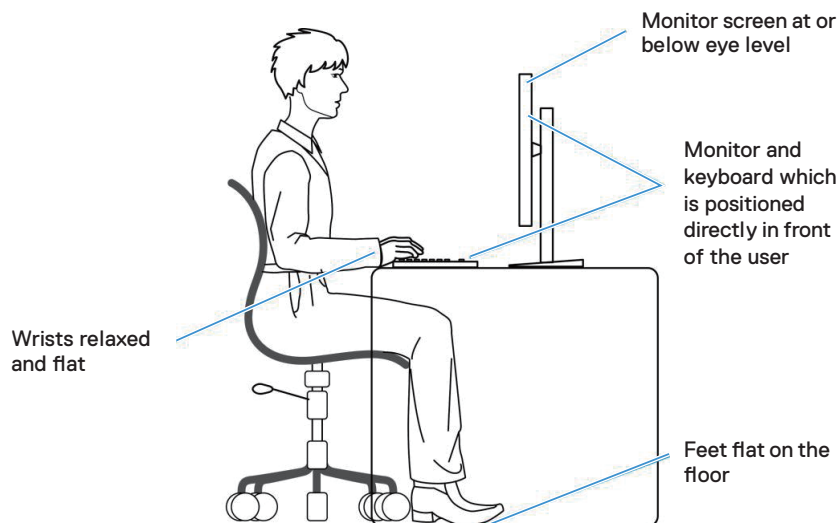
Ergonomics

⚠ **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 period, we recommend you to:
    1. Set the distance of the screen between 20 to 28 in. (50 - 70 cm) from your eyes.
    2. Blink frequently to moisten your eyes or wet your eyes with water after prolonged usage of the monitor.
    3. Take regular and frequent breaks for 20 minutes every two hours.
    4. Look away from your monitor and gaze at a distant object that is 20 feet away for at least 20 seconds during the breaks.
    5. Perform stretches to relieve tension in the neck, arms, back, and shoulders during the breaks.
- Ensure that the monitor screen is at the 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 of the chair.
- 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 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 9.   Ergonomics

# Handling and moving your display

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

- 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.
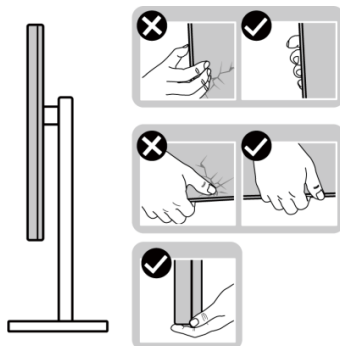

Figure 10.   Handling the display

- When lifting or moving the monitor, ensure that the screen is facing away from you and do not press on the display area to avoid any scratches or damage.
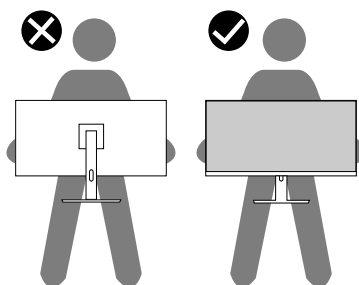
Figure 11.   The screen is facing away from you

- 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. It may result in accidental damage to the monitor or cause personal injury.
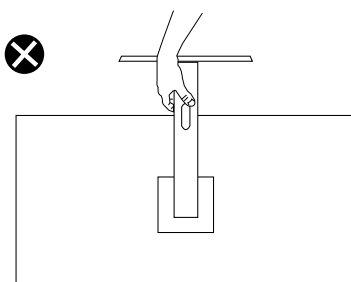
Figure 12.   Do not turn the monitor upside down

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 that are listed 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 leads 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

Connecting the stand

(i) **NOTE:** The stand is not attached when the monitor is shipped from the factory.

(i) **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 are included with the stand.

1. Assemble the stand riser to stand base:

   a. Open the front flap of the box to get the stand riser and stand base.

   b. Remove the stand riser and stand base from the packaging cushion.
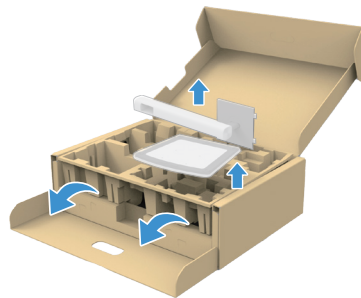
Figure 13.   Remove the stand riser and stand base

(i) **NOTE:** The images are for the purpose of illustration only. The placement and appearance of the packaging cushion may vary by model.

   c. Align and place the stand riser on the stand base.

   d. Open the screw handle at the bottom of the stand base and turn it clockwise to secure the stand assembly.

   e. Close the screw handle.
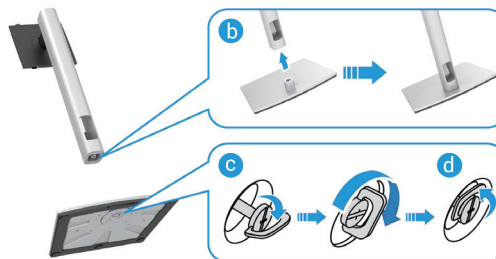
Figure 14.   Install the stand riser and stand base

   e. Open the protective cover on the monitor to access the VESA slot on the display back cover.
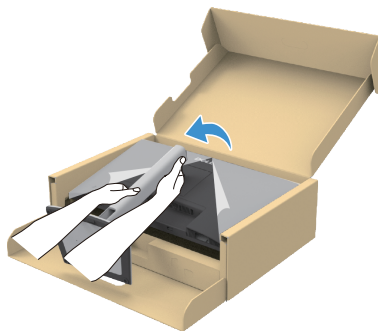

Figure 15.   Lift the protective cover

(i) **NOTE:** Ensure that the front plate flap is fully opened before attaching the stand assembly to the display.

2. Attach the stand assembly to the display:
   a. Carefully insert the tabs on the stand riser into the slots on the display back cover and lower the stand assembly to snap it into place.

Figure 16. **Attach the stand assembly to the display**

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

Figure 17. **Hold the stand riser and lift the monitor**

△ **CAUTION: Hold the stand riser firmly when lifting the monitor to avoid any accidental damage.**

   c. Remove the protective cover from the monitor.

Figure 18. **Remove the cover from the monitor**

Using the quick access ports

When you want to use the monitor's built-in quick access USB ports, press on the quick access port module and then release. The quick access port module slides down.
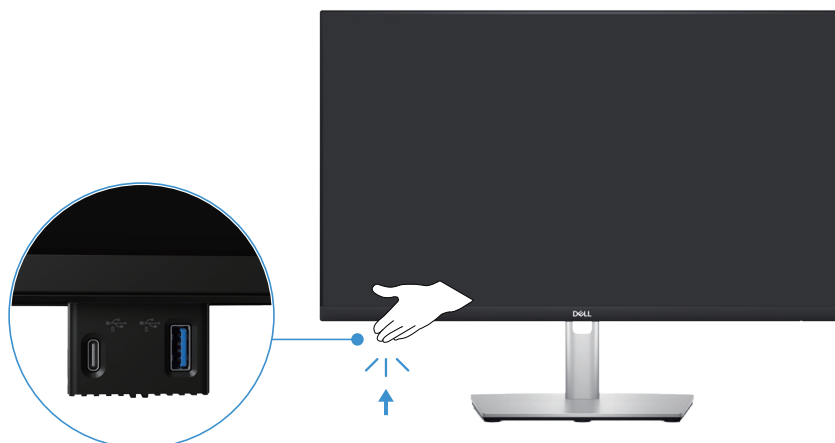
Figure 19.   Using the quick access ports

Connecting your monitor

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

ⓘ **NOTE:** Dell monitors are designed to work optimally with the Dell-supplied cables inside the box. 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:** Do not connect all the cables to the computer at the same time.

ⓘ **NOTE:** The images are 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 or HDMI cable from your monitor to the computer.

3. Connect the USB Type-B upstream port on the monitor and an appropriate USB port on your computer with the supplied USB cable (see Bottom view for details).

4. Connect the USB peripherals to the USB downstream ports on the monitor.

5. Plug the power cables from your computer and monitor into a wall outlet.
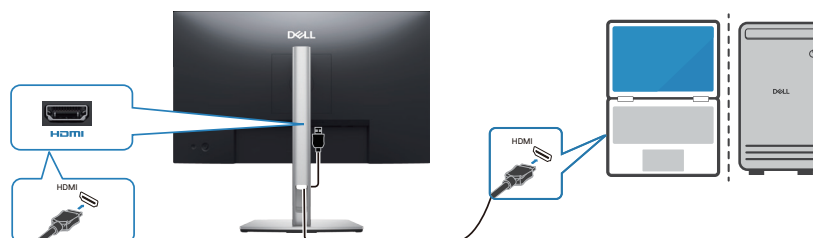
6. Turn on the monitor and the computer.

If your monitor displays an image, installation is complete. If it does not display an image, see Common problems.

Connecting the DisplayPort (DisplayPort to DisplayPort) cable
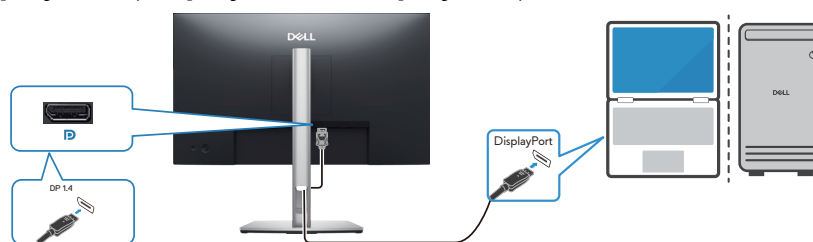
Figure 20.   **Connecting the DisplayPort cable**

Connecting the HDMI cable (for selected countries only)

Figure 21.   **Connecting the HDMI cable**

Organizing your cables

Route the cables through the cable management slot on the stand riser.

Figure 22.   Organizing your cables

After connecting all necessary cables to your monitor and computer, (see Connecting your monitor for cable attachment) organize all cables as shown in the image.

If your cable is not able to reach your computer, you may connect directly to the computer without routing through the cable management guide on the monitor stand.

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.
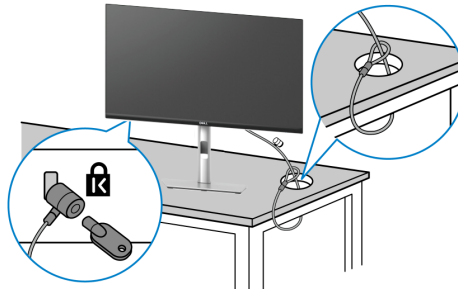
Figure 23.   Using Kensington lock

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

Removing the monitor stand

(i) **NOTE:** To prevent scratches on the screen when removing the stand, ensure that the monitor is placed on a soft surface and handle it carefully.

(i) **NOTE:** The following steps are specifically for removing the stand that is 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.

(i) **NOTE:** Before removing the stand, ensure that you have disconnected all the cables from the monitor.
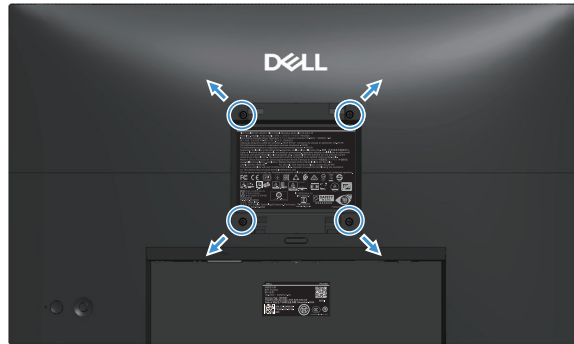
To remove the stand:

1. Turn off the monitor.

2. Disconnect the cables from the computer.

3. Place the monitor on a soft cloth or cushion.

4. Press and hold the stand release button at the back of the display.

5. Lift the stand assembly up and away from the monitor.

Figure 24.   Removing the monitor stand

Wall mounting (optional)

Figure 25.   Wall mounting

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

See the documentation that is shipped with the VESA-compatible wall mounting kit.

1. Place the monitor panel on a soft cloth or cushion on a stable flat table.

2. Remove the monitor stand (see Removing the monitor stand).

3. Using a Phillips crosshead screwdriver, 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.

ⓘ **NOTE:** Mount the monitor using only UL/CSA/GS-listed wall mount bracket with minimum weight or load bearing capacity (12.80 kg).

Using the tilt, swivel, pivot and height adjustment

ⓘ **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 are included with the stand.

Tilt and swivel adjustment

With the stand attached to the monitor, you can tilt and swivel the monitor for the most comfortable viewing angle.
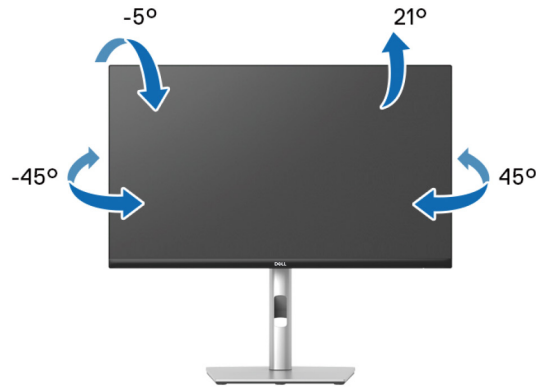
Figure 26.   Tilt and swivel adjustment

ⓘ **NOTE:** The stand assembly is not pre-installed when the monitor is shipped from the factory.

Height adjustment

ⓘ **NOTE:** The stand can extend vertically up to 150 mm.

The following image illustrates how to extend the stand vertically.

Figure 27.   Height adjustment

Pivot adjustment

Before you rotate the display, ensure it is completely extended vertically and completely tilted up to avoid hitting the bottom edge of the monitor.
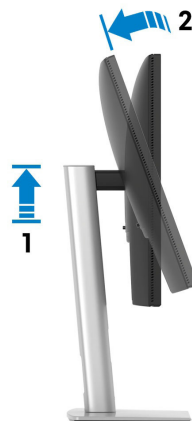
Figure 28.   Fully vertically extended and fully tilted up the monitor

Rotate clockwise

Figure 29.   Rotate clockwise

Rotate counterclockwise

Figure 30.   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. For latest driver updates, see the Download section for video drivers on Dell Support Site.

ⓘ **NOTE:** In the Portrait mode, you may experience performance degradation when using graphic-intensive applications such as 3D gaming.

Adjusting the rotation display settings of your system

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

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

To adjust the rotation display settings:

1. Right-click on the desktop and click **Properties**.

2. Select the **Settings** tab and click **Advanced**.

3. If you have an AMD 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 Dell Support Site and download the latest driver for your graphics card.

Operating the monitor

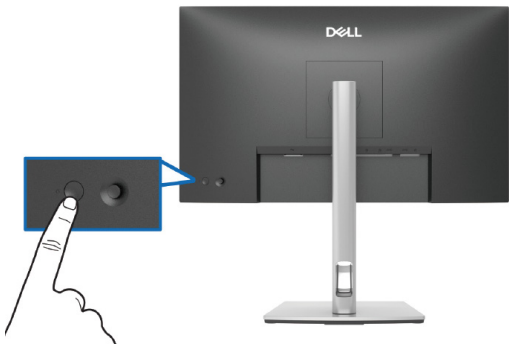## Turn on the monitor

Press the power button to turn on the monitor.

Figure 31. **Turn on the monitor**

Using the joystick control

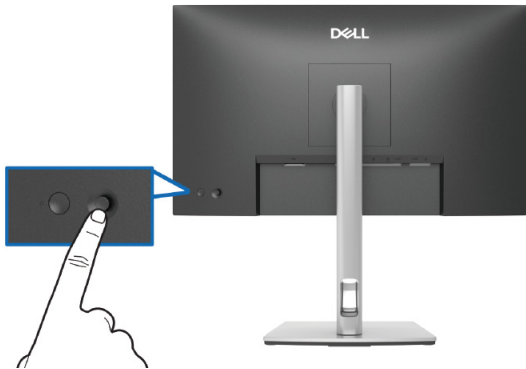Use the joystick control on the rear of the monitor to make On-Screen Display (OSD) adjustments.

Figure 32. **Using the joystick control**

1. Press the joystick to launch the Menu Launcher.

2. Move the joystick up, down, left, or right to toggle through the options.

3. Press the joystick again to confirm the selection.

Table 23. **Using the joystick control**

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 two 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 two way (up and down) directional navigation.
	Toggles between the menu items.
	Increases (up) or decreases (down) the parameters of selected menu item.

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.

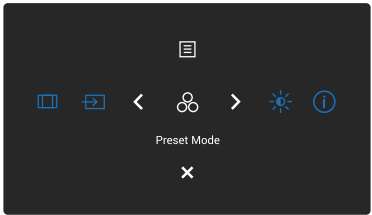To select a function, move the joystick.

Figure 33. **Accessing the Menu Launcher**

Table 24. **Describes the Menu Launcher functions:**

	Joystick	Description
1	⚭ Shortcut key 1/Preset Modes	To choose a preferred color mode from the list of preset modes.
2	☀ Shortcut key 2/Brightness/Contrast	To access the adjustment sliders of brightness and contrast.
3	ⓘ Shortcut key 3/More Information	To view the monitor's information.
4	▭ Shortcut key 4/Aspect Ratio	Adjusts the image ratio to **16:9**, **4:3**, or **5:4**.
5	⊟ Shortcut key 5/Input Source	To choose an input source from the listed video signals.
6	☰ Menu	To launch the On-Screen Display (OSD) main menu, see Accessing the menu system.
7	✕ 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 34.   Navigation keys

Table 25.   Control buttons and descriptions.

Control Buttons	Description
∧ **Up**	Use the **Up** navigation key to adjust (increase ranges) items in the OSD menu.
∨ **Down**	Use the **Down** navigation key to adjust (decrease ranges) items in the OSD menu.
‹ **Left**	For first level in the Menu list, use Left navigation key to exit/close the OSD menu.
› **Right**	For all other levels except first level in the Menu list, **Right** navigation key will go to the next level.
✓ **OK**	Press the joystick to confirm your selection.

ⓘ **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

ⓘ **NOTE:** After you change the settings, press the joystick to save the changes before exiting or proceeding to another menu.

1. Select the ☰ icon to launch the OSD and display the main menu.
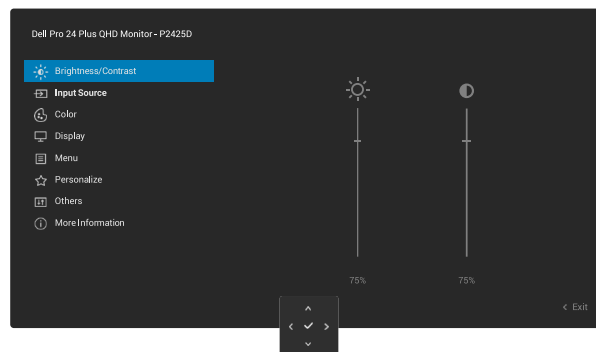
Figure 35.   **OSD main menu**
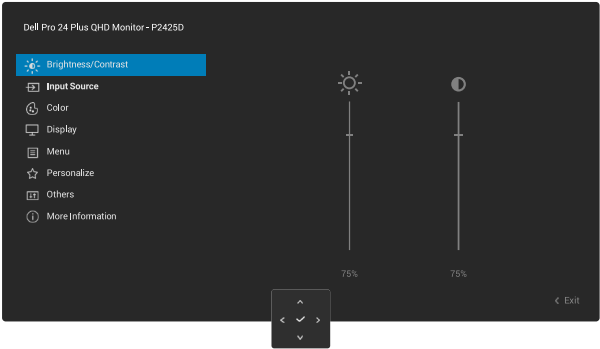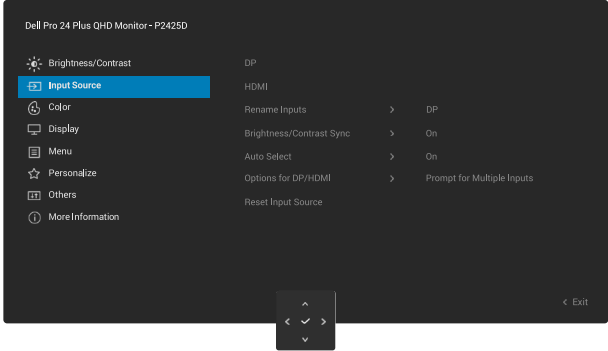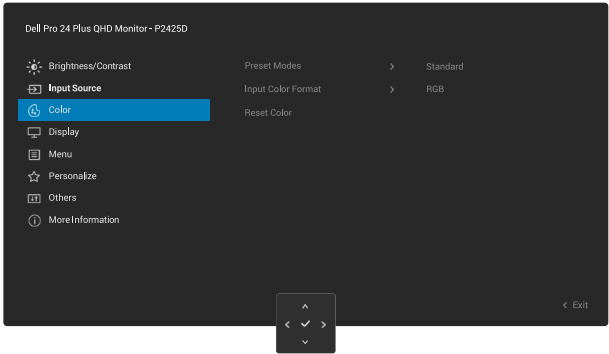
2. Press the joystick in ∨ or ❯ navigation key to activate the highlighted option.
3. Press the ❮ and ❯ navigation key to move between the setting options. As you move from one icon to another, the option is highlighted.
4. Press the ❯ or ✔ navigation key once to activate the highlighted option.

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

5. Press ∧ and ∨ navigation key to select the desired parameter.
6. Press ❯ and then use the ∧ and ∨ navigation key, according to the indicators on the menu, to make your changes.
7. Select the ❮ to return to the main menu.
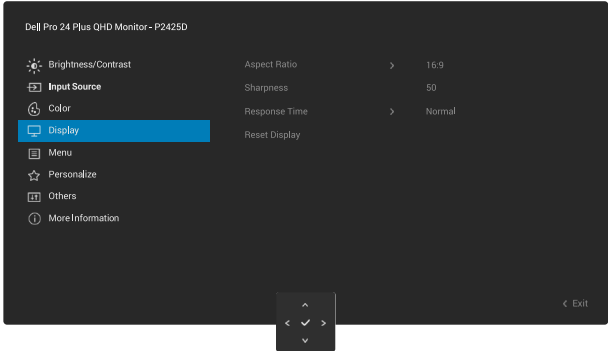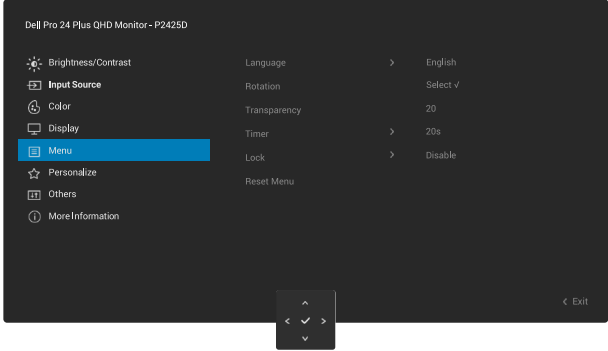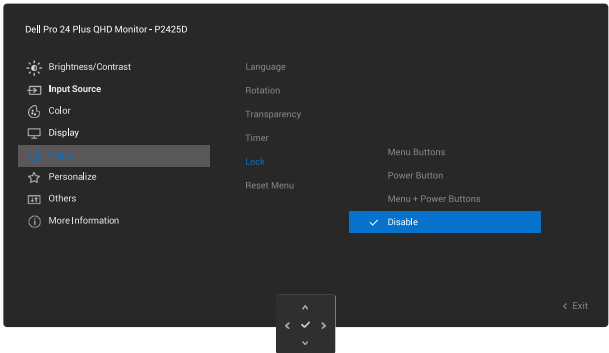
Table 26. OSD menu
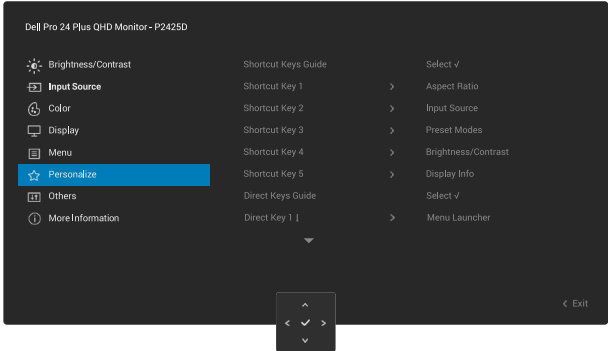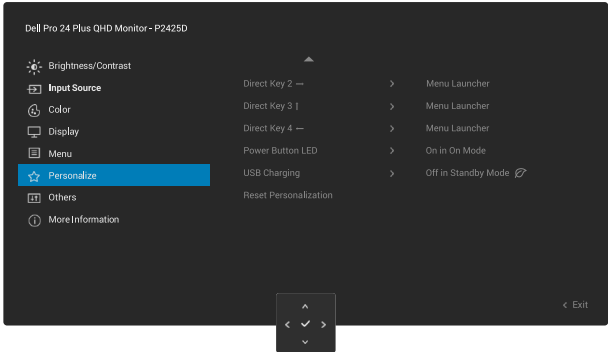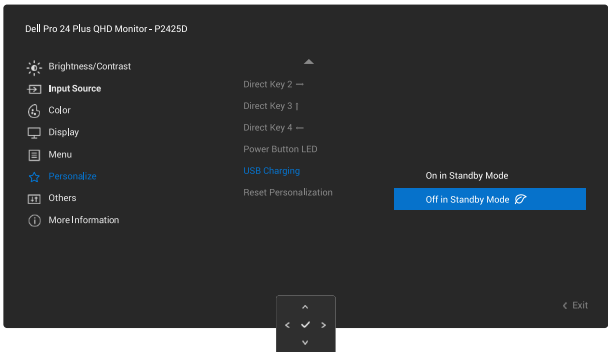
Icon	Menu and submenu	Description
☀	**Brightness/Contrast**	Adjusts the brightness and the contrast of the display. Dell Pro 24 Plus QHD Monitor - P2425D Brightness/Contrast Input Source Color Display Menu Personalize Others More Information 75% 75% Exit
	Brightness	**Brightness** adjusts the luminance of the backlight. Move the joystick up or down to increase or decrease the brightness level (min 0 ~ max 100).
	Contrast	Adjust **Brightness** first, and adjust **Contrast** only if you need further adjustment. 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).
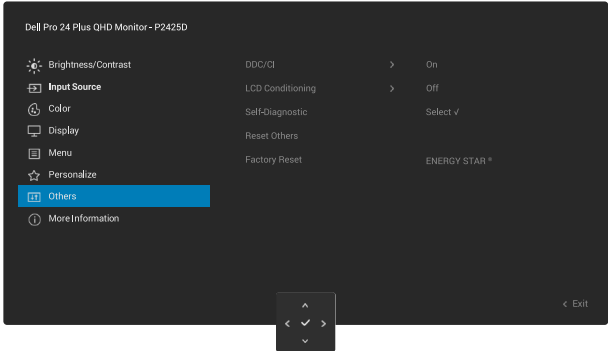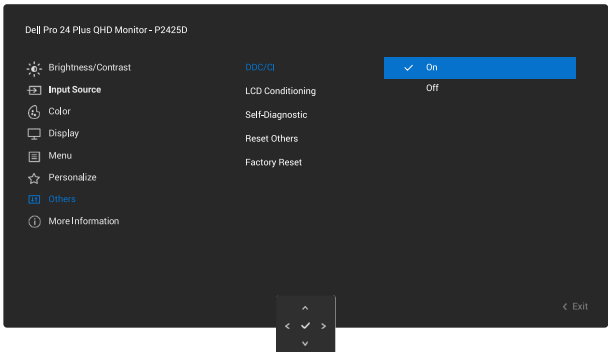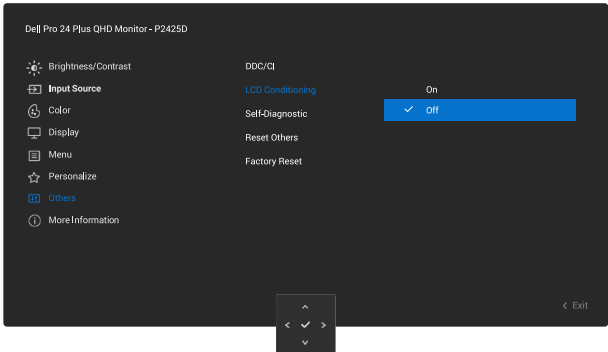
Icon	Menu and submenu	Description
	Input Source	Select between the different video signals that may be connected to your monitor.
	DP	Select **DP** when you are using the DisplayPort (DP) connector. Press the joystick to confirm the selection.
	HDMI	Select **HDMI** when you are using the HDMI connector. Press the joystick to confirm the selection.
	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**. By default, the setting is **Off**. ⓘ **NOTE:** It is not applicable for the input names shown in the warning messages and **Display Info.**
	Brightness/Contrast Sync	Allows you to synchronize brightness/contrast settings with all input source and preset modes.
	Auto Select	Automatically scans for available input sources. The default is **On**. Press the joystick to confirm the selection.
	Options for DP/HDMI	Allows you to set the function 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**: Automatically switches to DP/HDMI video input (without prompting) when the DisplayPort or HDMI cable is connected. • **Off**: Never switches to DP/HDMI video input when the DisplayPort or HDMI cable is connected. Press the joystick to confirm the selection. ⓘ **NOTE:** This function is not available when **Auto Select** is set to **Off**.
	Reset Input Source	Resets your monitor input settings to the default settings.
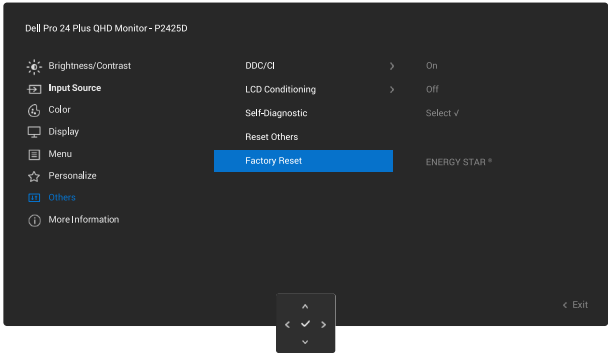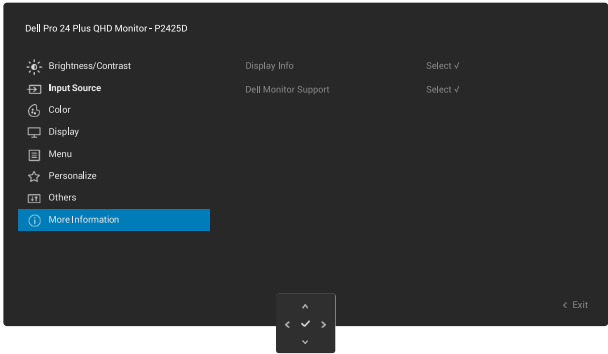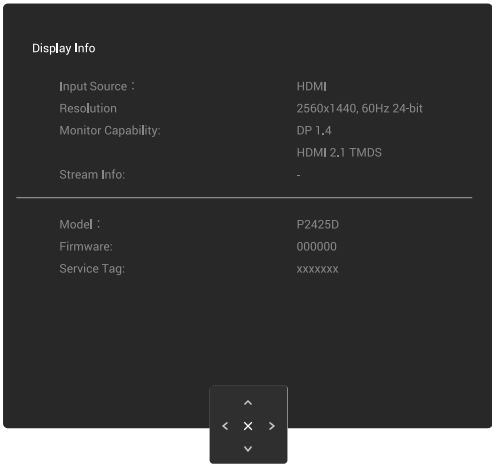
Icon	Menu and submenu	Description
	Color	Adjusts the color setting mode.
	Preset Modes	Allows you to choose from the list of preset color modes. Press the joystick to confirm the selection. • **Standard**: This is the default setting. Using a low blue light panel, this monitor is certified by TÜV to reduce blue light output and create more relaxing and less stimulating images. • **Movie**: Loads color settings ideal for movies. • **Game**: Loads color settings ideal for most gaming applications. • **Warm**: Presents colors at lower color temperatures. The screen appears warmer with a red/yellow tint. • **Cool**: Presents colors at higher color temperatures. The screen appears cooler with a blue tint. • **Custom Color**: Allows you to manually adjust the color settings (R/G/B) and create your own preset color mode.
	Input Color Format	Allows you to set the video input mode to: • **RGB**: Select this option if your monitor is connected to a computer or a media player that supports RGB output. • **YCbCr**: Select this option if your media player supports only YCbCr output.
	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** 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** mode.
	Reset Color	Resets the color settings to the default settings.

Icon	Menu and submenu	Description
🖥	**Display**	Use **Display** to adjust the image. Dell Pro 24 Plus QHD Monitor - P2425D ☀ Brightness/Contrast Aspect Ratio › 16:9 ⊞ **Input Source** Sharpness 50 🕒 Color Response Time › Normal 🖥 Display Reset Display ▤ Menu ☆ Personalize ⊞ Others ⓘ More Information ‹ Exit
	Aspect Ratio	Adjusts the image ratio to **16:9**, **4:3** or **5:4**.
	Sharpness	Adjusts the picture sharpness of the display. 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**.
	Reset Display	Resets all display settings to the factory preset values.
▤	**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 24 Plus QHD Monitor - P2425D ☀ Brightness/Contrast Language › English ⊞ **Input Source** Rotation Select √ 🕒 Color Transparency 20 🖥 Display Timer › 20s ▤ 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 to 60 seconds.

Icon	Menu and submenu	Description
	Lock	With the control buttons on the monitor is locked, you can prevent others from accessing the controls. Dell Pro 24 Plus QHD Monitor - P2425D Brightness/Contrast	Language **Input Source**	Rotation Color	Transparency Display	Timer | Lock Personalize	Reset Menu	Menu Buttons / Power Button / Menu + Power Buttons / ✓ Disable Others More Information ⟨ 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 & 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 pop-up 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 pop-up menu.
	Reset Menu	Resets all OSD settings to the factory preset values.

Icon	Menu and submenu	Description
☆	**Personalize**	Select this option to adjust the settings of the personalization. Dell Pro 24 Plus QHD Monitor - P2425D Brightness/Contrast · Shortcut Keys Guide · Select √ **Input Source** · Shortcut Key 1 › · Aspect Ratio Color · Shortcut Key 2 › · Input Source Display · Shortcut Key 3 › · Preset Modes Menu · Shortcut Key 4 › · Brightness/Contrast Personalize · Shortcut Key 5 › · Display Info Others · Direct Keys Guide · Select √ More Information · Direct Key 1 ↑ › · Menu Launcher Dell Pro 24 Plus QHD Monitor - P2425D Brightness/Contrast **Input Source** · Direct Key 2 → › · Menu Launcher Color · Direct Key 3 ↓ › · Menu Launcher Display · Direct Key 4 ← › · Menu Launcher Menu · Power Button LED › · On in On Mode Personalize · USB Charging › · Off in Standby Mode Others · Reset Personalization More Information
	Shortcut Keys Guide	Select this option for entering **Shortcut Keys Guide**.
	Shortcut Key 1 **Shortcut Key 2** **Shortcut Key 3** **Shortcut Key 4** **Shortcut Key 5**	Select a function from **Preset Modes, Brightness/Contrast, Input Source, Aspect Ratio, Rotation,** or **Display Info** and set it as a shortcut key. ⓘ **NOTE:** To reduce to 4 Shortcut Keys, go to Shortcut Key 5, and select -. Once - in Shortcut Key 5 is selected, the - in Shortcut Key 4 appears.
	Direct Keys Guide	Select this option for entering **Direct Keys Guide**.
	Direct Key 1 **Direct Key 2** **Direct Key 3** **Direct Key 4**	Allows you to choose a feature from **Menu Launcher, Preset Modes, Brightness, Contrast, Input Source, Aspect Ratio, Rotation,** or **Display Info** and set it as a direct key.
	Power Button LED	Allows you to set the state of the power light to save energy.
	USB Charging	Allows you to enable or disable USB charging function when the monitor is in standby mode. Dell Pro 24 Plus QHD Monitor - P2425D Brightness/Contrast **Input Source** · Direct Key 2 → Color · Direct Key 3 ↓ Display · Direct Key 4 ← Menu · Power Button LED Personalize · USB Charging · On in Standby Mode Others · Reset Personalization · Off in Standby Mode More Information
	Reset Personalization	Resets all settings under the **Personalize** menu to the factory preset values.

Icon	Menu and submenu	Description
	Others	Adjusts the OSD settings, such as **DDC/CI**, **LCD Conditioning**, **Self-Diagnostic**, and so on.
	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**.
	LCD Conditioning	Helps reduce minor cases of image retention. Depending on the degree of image retention, the program may take some time to run. By default, the setting is **Off**. You can enable this function by selecting **On**.
	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.

Icon	Menu and submenu	Description
	Factory Reset	Restores all preset values to the factory default settings. These are also the settings for ENERGY STAR tests. Dell Pro 24 Plus QHD Monitor - P2425D 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
(i)	**More Information**	Allows you to view the monitor's information or seek more monitor support. Dell Pro 24 Plus QHD Monitor - P2425D Brightness/Contrast — Display Info — Select √ Input Source — Dell Monitor Support — Select √ Color Display Menu Personalize Others More Information Exit
	Display Info	Displays current settings, firmware version, and Service Tag of your monitor. Display Info Input Source : — HDMI Resolution — 2560x1440, 60Hz 24-bit Monitor Capability: — DP 1.4 — HDMI 2.1 TMDS Stream Info: — - Model : — P2425D Firmware: — 000000 Service Tag: — xxxxxxx (i) **NOTE:** The image shown is for the purpose 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 you turn on the monitor, the following message appears:
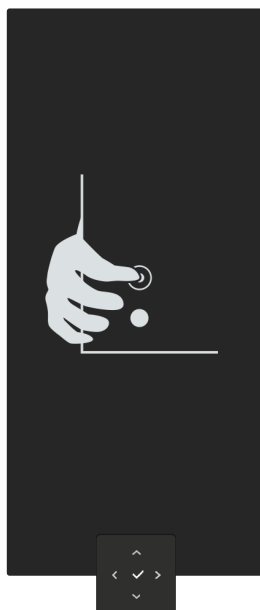
Figure 36. **The message of pressing the joystick**

If you press the joystick, the following message appears:
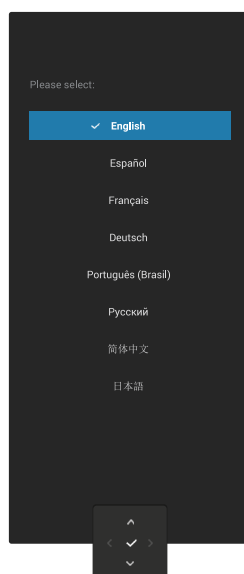
Figure 37. **The message of selecting language**

If you select your language, the following message appears:

Select 'Yes' to enable the following function(s)
• USB Charging

Yes
No
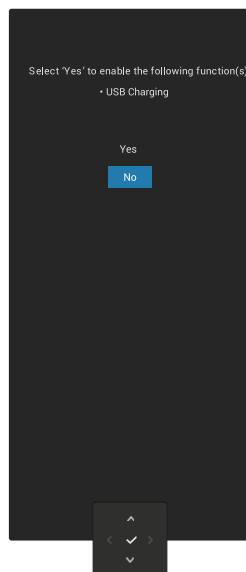
Figure 38.   **The message of selecting the USB charging function**

If you select this function or message timeout, the following message appears:

Follow these steps for the best image performance.
The data and network speeds through the monitor will be reduced.

1.   Disconnect all USB storage devices plugged into the monitor.
2.   Select 'Yes' to continue.

After 2 minutes, the monitor will auto select 'Yes' and switch to the
best image settings.

Yes (Recommended)

No
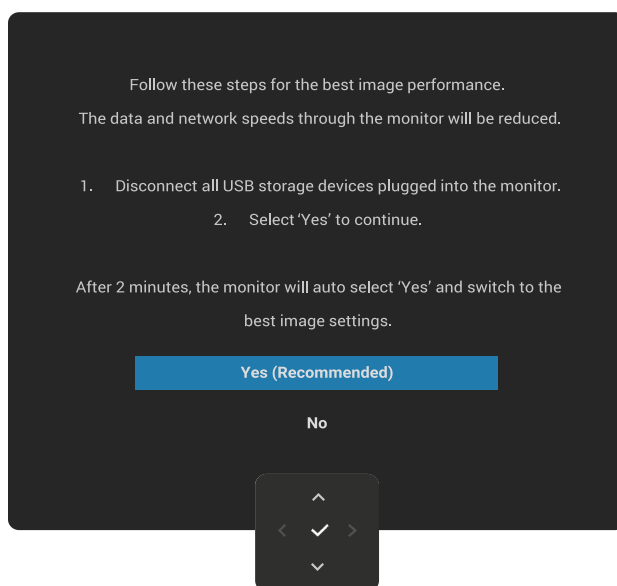
Figure 39.   **The message of selecting the USB charging function or message timeout**

OSD warning message

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

The current input timing is not supported by the monitor display.
Please change your input timing to 2560x1440, 100Hz or any other
monitor listed timing as per the monitor specifications.

Figure 40.   Warning message of not supported resolution mode

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.

ⓘ **NOTE:** The recommended mode is **2560 x 1440**.

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
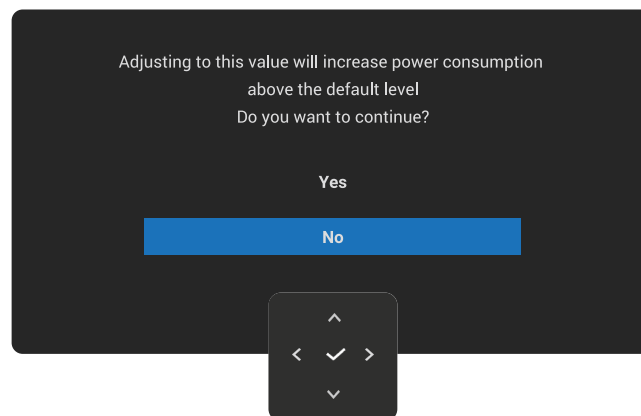
Figure 41.   Warning message of adjusting the Brightness

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

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

Are you sure you want to lock the Menu Buttons?
To unlock the Bottons, refer to the User's Guide.

Yes

No
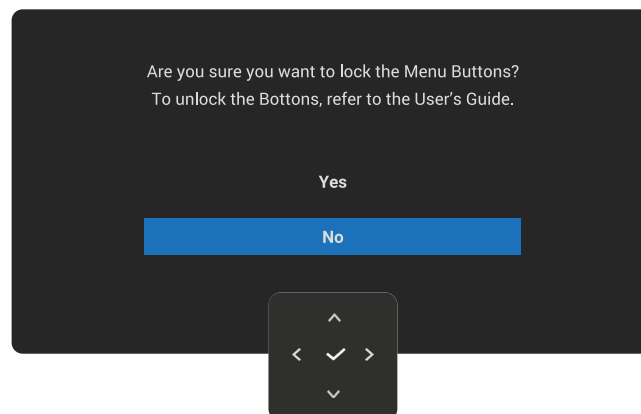
Figure 42.   Warning message of activating the Lock function

ⓘ **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:

Changing to this setting (without ⊘ symbol) will increase power consumption.
Do you want to continue?

Yes

No
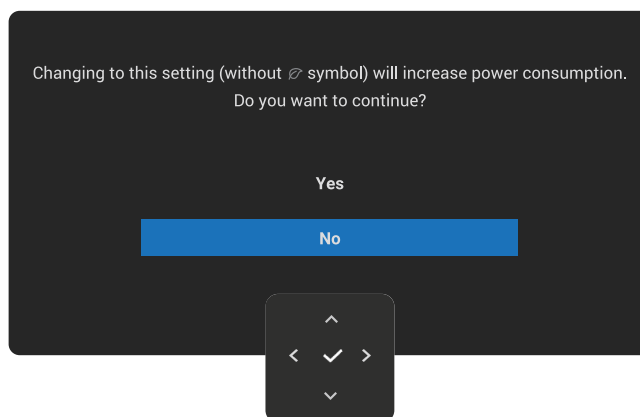
Figure 43. **Warning message of the increase power consumption**

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

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

The function of adjusting display setting using PC
application will be disabled.
Do you wish to disable DDC/CI function?

Yes

No
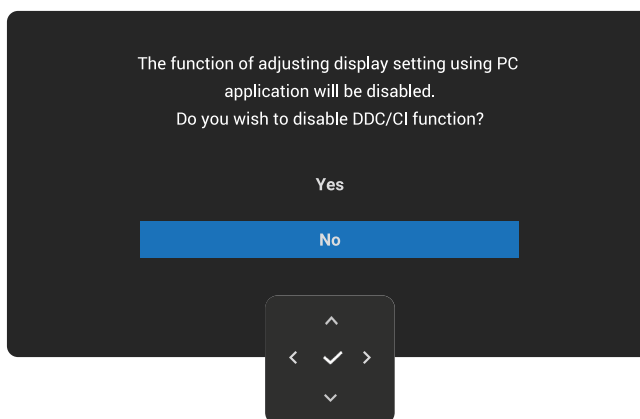
Figure 44. **Warning message of the DDC/CI**

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

Going into Standby mode...
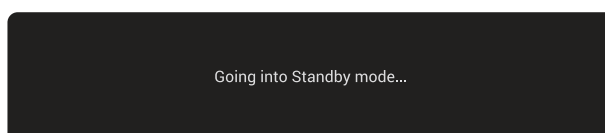
Figure 45. **The message of the Standby Mode**

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.
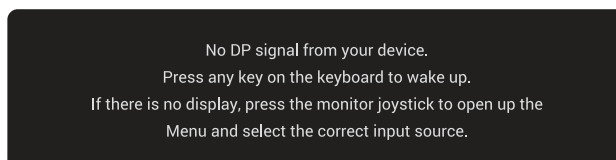
Figure 46. **Warning message of no signal input**

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

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

If DisplayPort, or HDMI 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/P2425D
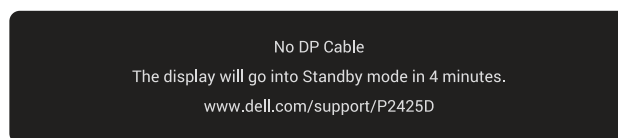
Figure 47. **The message of No DP Cable**

or

No HDMI Cable
The display will go into Standby mode in 4 minutes.
www.dell.com/support/P2425D
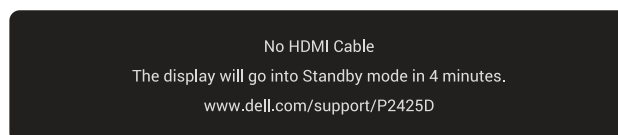
Figure 48. **The message of No HDMI Cable**

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

See Troubleshooting for more information.

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, down, left, or right for about four seconds until a pop-up menu appears.
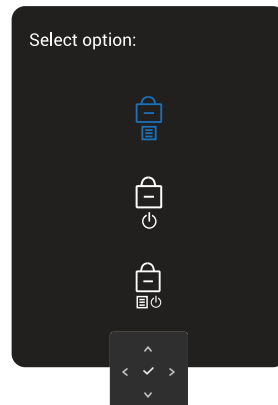
Figure 49. The message of locking the control buttons

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 four seconds until a menu appears, and then select to unlock and close the pop-up menu.

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 on the desktop and click **Display settings**.
2. If you have more than one monitor connected, ensure to select **P2425D.**
3. Click the **Display Resolution** dropdown list and select **2560 x 1440**.
4. Click **Keep changes**.

ⓘ **NOTE:** If you do not see **2560 x 1440** 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 Dell Support Site, 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
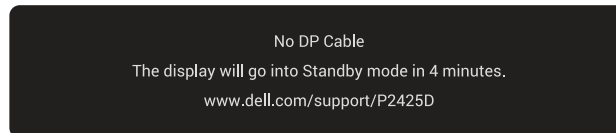
⚠ **WARNING: Before you begin any of the procedures in this section, follow the** Safety instructions**.**

Self-Test

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

1. Turn off both your computer and the monitor.

2. Unplug the video cable from the computer.

3. Turn on the monitor.

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/P2425D

Figure 50.   The message of No DP Cable

or

> No HDMI Cable
> The display will go into Standby mode in 4 minutes.
> www.dell.com/support/P2425D
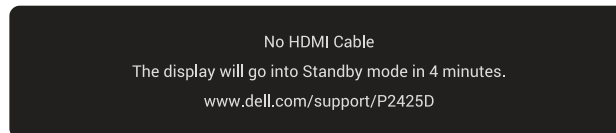
Figure 51.   The message of No HDMI Cable

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

ⓘ **NOTE:** While in self-test mode, the power LED remains white.

4. This message can also appear during normal system operation if the video cable gets disconnected or damaged.

5. Turn off your monitor, reconnect the video cable, and then then turn on both the computer and the monitor.

If your monitor screen still remains blank after performing the above steps, it indicates the monitor is functioning properly. Check the video controller and computer.

Built-in diagnostics

Your monitor includes a built-in diagnostic tool to help you identify whether the screen abnormality is due to an issue with the monitor itself or with your computer and video card.

To run the built-in diagnostics:

1. Ensure that the screen is clean (no dust particles on the surface of the screen).

2. Press the joystick button to launch the OSD Main Menu.

3. Move the joystick button to select **Others > Self-Diagnostic** to initiate the self-diagnostic process.
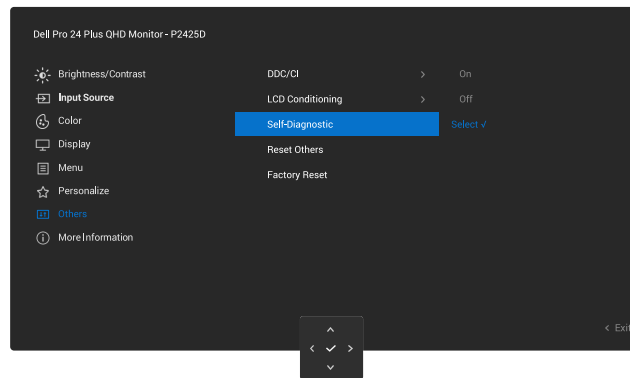
Figure 52.   Built-in diagnostics

4. When initiated, a gray screen appears. Inspect the screen for abnormalities.

5. Switch the joystick button. The color of the screen changes to red. Inspect the screen for abnormalities.

6. Repeat step 5 and inspect the screen when it displays the colors green, blue, black, and white followed by the on-screen text.

7. The test is complete when the text screen appears. To exit, toggle the joystick button again.

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

Common problems

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

Table 27. Common problems

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	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	Picture is fuzzy, blurry, or ghosting	Eliminate 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. 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 Display Pixel Guidelines.
Stuck-on pixels	LCD screen has bright spots	Cycle power On-Off. Pixel that is permanently off is a natural defect that can occur in LCD technology. For more information about Dell Monitor Quality and Pixel Policy, see Dell Display Pixel Guidelines.
Geometric distortion	Screen not centered correctly	Reset the monitor to factory settings (**Factory Reset**).
Horizontal or vertical lines	Screen has one or more lines	Reset the monitor to factory settings (**Factory Reset**). Perform monitor self-test feature check (see Self-Test) 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. For more information, see Built-in diagnostics.
Synchronization problems	Screen is scrambled or appears torn	Reset the monitor to factory settings (**Factory Reset**). Perform monitor self-test feature check (see Self-Test) to determine if the scrambled screen appears in self-test mode. Check for bent or broken pins in the video cable connector. Restart the computer in the safe mode.

Common symptoms	What you experience	Possible solutions
Safety related issues	Visible signs of smoke or sparks	Do not perform any troubleshooting steps. Contact Dell immediately.
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 monitor self-test feature check (see Self-Test) to determine if the scrambled screen appears in self-test mode.
Missing color	Picture missing color	Perform monitor self-test feature check (see Self-Test). Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. Check for bent or broken pins in the video cable connector.
Wrong color	Picture color not good	Change the settings of the **Preset Modes** in the **Color** menu OSD depending on the application. Adjust the R/G/B values under **Custom Color** in the **Color** menu OSD. Change the **Input Color Format** to **RGB** or **YCbCr** in the **Color** settings OSD. Run the built-in diagnostics. For more information, see 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 displayed appears on the screen	Set the screen to turn off after a few minutes of screen idle time. These can be adjusted in Windows Power Options or Mac Energy Saver setting. Alternatively, use a dynamically changing screensaver.
Video ghosting or overshooting	Video ghosting, shadows or color smear while scrolling	Change the **Response Time** in the **Display** menu OSD to **Normal**.
Screen image is too small	Image is centered on screen, but does not fill the entire viewing area	Check the **Aspect Ratio** setting in the **Display** menu 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 four seconds to unlock (see Lock and Locking the control buttons).
No input signal when you press the power button or toggle the joystick	No picture, the LED light is white	Check the signal source. Ensure the computer is not in the power saving mode by moving the mouse or pressing any key on the keyboard. Check whether the signal cable is plugged in properly. Re-plug the signal cable if necessary. Reset the computer or video player.
The picture does not fill the entire screen	The picture cannot fill the height or width of the screen	Due to different video formats (aspect ratio) of DVDs, the monitor may display in full screen. Run the built-in diagnostics. For more information, see Built-in diagnostics.
No video at HDMI/ DisplayPort port	When connected to some dongle/docking device at the port, there is no video when unplugging/plugging the cable from the laptop	Unplug the HDMI/DisplayPort cable from dongle/docking device, then plug the docking HDMI/DisplayPort cable into the laptop.

Universal Serial Bus (USB) specific problems

Table 28.   Universal Serial Bus (USB) specific problems

Common symptoms	What you experience	Possible solutions
USB interface is not working	USB peripherals are not working	• Check that your monitor is turned on. • Reconnect the upstream cable to your computer. • Reconnect the USB peripherals (downstream connector). • Turn the monitor off and then turn on again. • Reboot the computer. • Some USB devices like external portable hard drive require higher electric current; connect the device directly to the computer system.
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 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 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 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 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 re-plug 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, visit: Dell.com/environment/TCO_Certified.

For more information on TCO's environmental certifications, 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 Dell Regulatory Compliance Home Page.

EU product database for energy label and product information sheet

P2425D: https://eprel.ec.europa.eu/qr/2151579

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see Contact Support at Dell Support Site.

ⓘ **NOTE:** Availability varies by country, region, or 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.