Dell C1422H

User's Guide

Monitor Model: C1422H
Regulatory Model: C1422Hf

Notes, Cautions and Warnings

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

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

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

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2023 - 02

Rev. A04

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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 further reference.

WARNING: Use of controls, adjustments, or procedures other than those specified in this documentation may result in exposure to shock, electric hazards, and/or mechanical hazards.

WARNING: The possible long-term effect of listening to audio at high volume through the headphones (on monitor that support it) may cause damage to 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.
- Keep the monitor in room temperature. Excessive cold or hot conditions can have an adverse effect on the liquid crystals 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 marked on the product.

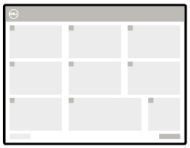
For information on safety instructions, see the *Safety, Environmental, and Regulatory Information (SERI)* document that is shipped with your monitor

About your monitor

Package contents

Your monitor ships with the components indicated in the table. Ensure that you have received all the components and see **Contacting Dell** if anything is missing.

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

Component image	Component description
	Display
	USB Type-C cable (C to C)
	Sleeve
 	• Quick Start Guide • Safety, Environmental, and Regulatory Information

Product features

The Dell C1422H monitor has an active matrix, Thin-Film Transistor (TFT), Liquid Crystal Display (LCD), anti-static, and LED backlight.

The monitor features include:

- 35.56 cm (14.0 in.) diagonal viewable area display (measured diagonally), 1920 x 1080 resolution, with full-screen support for lower resolutions
- Viewing angles of 178 degrees in horizontal and vertical directions
- Dynamic contrast ratio (700:1)
- Digital connectivity with USB Type-C
- Dual USB Type-C port supports DP Alternate Mode, power pass through and power delivery 65 W
- Tilt adjustment capability
- Plug and play capable if supported by your computer
- On-Screen Display (OSD) adjustments for easy setup and screen optimization
- ≤0.3 W in Standby Mode
- Optimize eye comfort with ComfortView
- Arsenic-free glass and mercury-free panel
- BFR/PVC-Reduced (the circuit boards inside your monitor are made using BFR/PVC-free laminates)
- RoHS Compliant
- EPEAT registered where applicable. EPEAT registration varies by country See https://www.epeat.net for registration status by country
- Energy Star® Certified

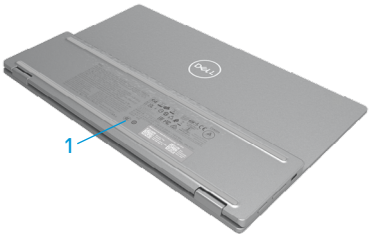
⚠ **WARNING: The possible long-term effects of blue light emission from the monitor may cause damage to the eyes, which includes but is not limited to eye fatigue and digital eye strain. ComfortView Plus feature is designed to reduce the amount of blue light emitted from the monitor to optimize eye comfort.**

Identifying features and controls



Label	Description	Use
1	Power On/Off button (with LED indicator)	To turn the monitor On or Off. Solid white light indicates the monitor is turned on and functioning normally. Blinking white light indicates the monitor is in Standby Mode.
2	USB Type-C (support Alt mode DP 1.2 and PD function)	Connect to your computer/phone using the USB Type-C cable (C to C). **Note: USB data not supported.**
3		
4	Function buttons	To access the OSD menu and change the settings if required. For more information, see **Using the front panel control**.

Back view and label information



Label	Description	Use
1	Barcode, serial number, service tag, and regulatory information	Refer to this label if you need to contact Dell for technical support. List of regulatory approvals.

Monitor specifications

Model	C1422H
Screen type	Active matrix-TFT LCD
Panel type	In-Plane Switching
Viewable area	
Diagonal	355.60 mm (14.00 in.)
Active area: Horizontal Vertical Area	 309.31 mm (12.18 in.) 173.99 mm (6.85 in.) 53816.85 mm^2 (83.42 $in.^2$)
Pixel pitch	0.1611 mm
Pixel per inch (PPI)	158
Viewing angle: Horizontal Vertical	 178° (typical) 178° (typical)
Brightness	300 cd/m^2 (typical)
Contrast ratio	700 to 1 (typical)
Faceplate coating	Hard coating (H), Anti-Glare
Backlight	LED light bar system
Response time (Gray to Gray)	6 ms (typical)
Color depth	16.7 million colors
Color gamut	72% NTSC (CIE1931)
Dell display manager compatibility	No
Connectivity	2x USB Type-C (Alt Mode DP1.2, HBR, HDCP 1.4)
Bezel width (edge of monitor to active area)	- Top: 6.54 mm - Left/Right: 6.53 mm - Bottom: 22.16 mm
Tilt angle	10° to 90°

Resolution specifications

Model	C1422H
Horizontal scan range	30 kHz to 80 kHz (automatic)
Vertical scan range	56 Hz to 61 Hz (automatic)
Maximum preset resolution	1920 x 1080 at 60 Hz

Preset display modes

Display mode	Horizontal frequency (kHz)	Vertical frequency (Hz)	Pixel clock (MHz)	Sync polarity (Horizontal/ Vertical)
VESA, 640 x 480	31.5	60.0	25.2	-/-
VESA, 800 x 600	37.9	60.3	40.0	+/+
VESA, 1024 x 768	48.4	60.0	65.0	-/-
VESA, 1280 x 768	47.8	59.9	79.5	-/+
VESA, 1280 x 800	49.7	59.8	83.5	-/+
VESA, 1280 x 1024	64.0	60.0	108.0	+/+
VESA, 1366 x 768	47.7	59.8	85.5	+/+
VESA, 1440 x 900	55.9	59.9	106.5	-/+
VESA, 1600 x 1200	75.0	60.0	162.0	+/+
VESA, 1680 x 1050	65.29	59.954	146.25	-/+
VESA, 1920 x1080	67.5	60.0	148.5	+/-

Electrical specifications

Model	C1422H
Video input signals	USB Type-C/DisplayPort, 600 mV for each differential line, 100 Ω input impedance per differential pair
Power Consumption	0.3 W (Off Mode)[1] 0.3 W (Standby Mode)[1] 6 W (On Mode)[1] 7.5 W (Max)[2] 4.66 W (P_{on})[3] 22.86 kWh (TEC)[3]

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

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

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

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

NOTE: This monitor is ENERGY STAR certified.

This product qualifies for ENERGY STAR in the factory default settings (ComfortView = OFF, Brightness = 75%).
Changing the factory default settings or enabling other features may increase power consumption that could exceed the ENERGY STAR specified limit.

Physical characteristics

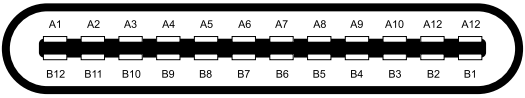
Model	C1422H
Signal cable type	USB Type-C (C to C) 1.0 m cable
NOTE: Dell monitors are designed to work optimally with the video cables that are shipped with your monitor. As Dell does not have control over the different cable suppliers in the market, the type of material, connector and process used to manufacture these cables, Dell does not guarantee video performance on cables that are not shipped with your Dell monitor.	
Dimensions (with stand):	
Height	202.69 mm (7.98 in.)
Width	322.37 mm (12.69 in.)
Depth	14.30 mm (0.56 in.)
Dimensions (without stand):	
Height	202.69 mm (7.98 in.)
Width	322.37 mm (12.69 in.)
Depth	4.95 mm (0.19 in.)
Stand dimensions:	
Height	89.17 mm (3.51 in.)
Width	322.37 mm (12.69 in.)
Depth	8.85 mm (0.35 in.)
Weight:	
With packaging	1.12 kg (2.47 lb.)
With cable	0.64 kg (1.41 lb.)
Without cable	0.59 kg (1.30 lb.)

Environmental characteristics

Model	C1422H
Temperature	
Operating	0°C to 40°C (32°F to 104°F)
Non-operating Storage/Shipping	-20°C to 60°C (-4°F to 140°F)
Humidity	
Operating	10% to 80% (non-condensing)
Non-operating Storage/Shipping	5% to 90% (non-condensing)
Altitude	
Operating	5,000 m (16,404 ft) (maximum)
Non-operating	12,192 m (40,000 ft) (maximum)
Thermal dissipation	25.59 BTU/hour (maximum) 20.47 BTU/hour (typical)

Pin assignments

USB Type-C port



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

Plug and play capability

You can 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 Support site at www.dell.com/pixelguidelines.

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.**

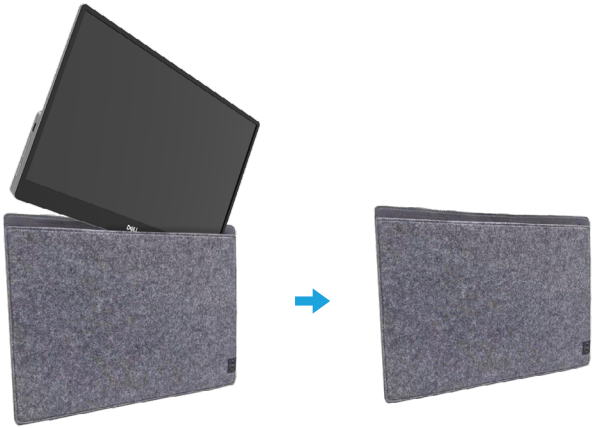
NOTE: Monitor damage due to improper cleaning methods and the use of benzene, thinner, ammonia, abrasive cleaners, alcohol, compressed air, detergent of any kind will lead to a Customer Induced Damage (CID). CID is not covered under the standard Dell warranty.

- 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

Sleeve

The protective sleeve shipped with the monitor can protect your monitor from damage when shipping or storage.
The following illustrations show how to use the protective sleeve.



Tilt adjustment

Please see the illustration below for an example of the tilt range.



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: Do not connect all 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.

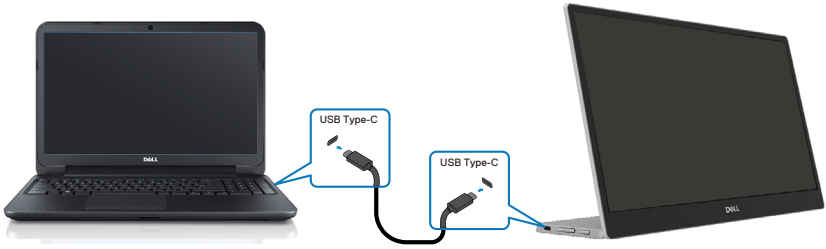
To connect your monitor to the computer:

1. Turn off your computer and disconnect the power cable.
2. There are 2 kinds of usage for the C1422H: normal usage and charging usage.

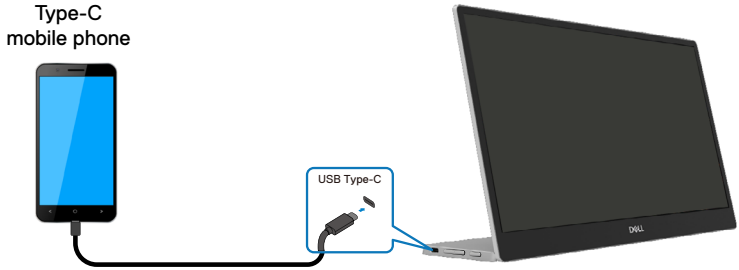
Normal usage

There are 2 kinds of normal usage for C1422H: computer and mobile phone.

1. Connect the USB Type-C port of computer and C1422H with a USB Type-C cable.



2. Connect the USB Type-C port of mobile phone and C1422H with a USB Type-C cable.



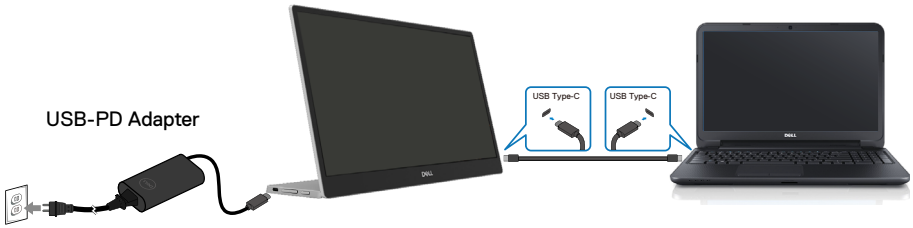
NOTE: For normal usage, devices of computer and mobile phone that connect to C1422H need to support video signal and power output of 7.5 W (5 V/1.5 A). When you encounter abnormal display condition, please check your devices to see if they support USB Type-C Alt-mode display and PD2.0 or above. After checking, please re-connect and try again.

NOTE: It is suggested to connect to power adapter when connecting to mobile phone.

Plug in usage

There are 2 kinds of plug in usage for C1422H: computer and mobile phone with power adapter.

1. Connect Type-C power adapter to C1422H and connect C1422H to the computer with a USB Type-C cable. (Electronically marked cable, current rating: 5 A)



2. Connect Type-C power adapter to C1422H and connect C1422H to the mobile phone with a USB Type-C cable.



NOTE: When you encounter abnormal charging condition, please check your power capacity of power adapter connected with C1422H and make sure it is enough for C1422H and other devices. In order to use the monitor smoothly, please refer to the Preset display modes and Power management.

NOTE: When disconnecting the power adapter from the C1422H, a blank screen will appear.

NOTE: When connecting 90 W or above adapter, Maximum power delivery output from the monitor is 65 W.

When connecting 65 W adapter, Maximum power delivery output from the monitor is 45 W.

When connecting 45 W adapter, Maximum power delivery output from the monitor is 30 W.

When connecting <30 W adapter, Maximum power delivery output from the monitor is 7.5 W.

The Dell monitor C1422H can only output a maximum of 65 W to the system. If the system requires 90 W or above, it will need 90 W or above adapters connected to the system or the battery will drain during usage.

Connecting with Docking device

Not supported configuration



Supported Configuration

Normal usage



Plug in usage





Operating the monitor

Turning on the monitor

Press the button to turn on the monitor.



Using the front panel control

Use the control button on the edge of the monitor to adjust the image being displayed.

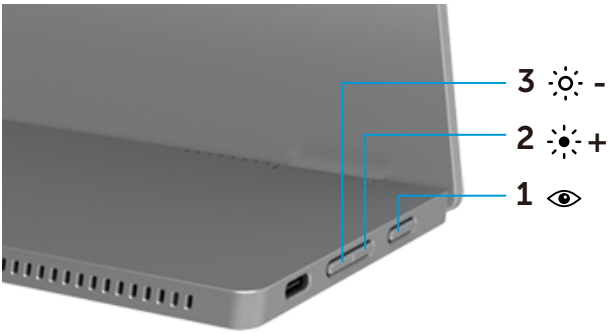


The following table describes the control button:

	Control button	Description
1	Power button (with power-status light)	To turn the monitor On or Off. Solid white light indicates that the monitor is turned on and functioning normally. Blinking white light indicates that the monitor is in Standby Mode.

OSD controls

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



	Control buttons	Description
1	ComfortView	To launch the On-Screen Display (OSD) menu, or to access the list of items/options of a menu item. For more information, see **Accessing the OSD menu**. • Press key to call out ComfortView OSD menu. • Press key to switch ComfortView ON/OFF.
2	Brightness/ Up/[+]	Use the Up button to increase values or move up in a menu. • Press key to call out Brightness OSD menu. • Press [+] to increase current value of bar.
3	Brightness/ Down/[—]	Use the Down button to decrease values or move down in a menu. • Press key to call out Brightness OSD menu. • Press [-] to decrease current value of bar.

Using the On-Screen Display (OSD) menu

ComfortView
Decrease the level of blue light emitted from the screen to make viewing more comfortable for your eyes.
The possible long-term effects of blue light emission from the monitor may cause damage to the eyes such as eye fatigue and eye strain.
Press to enable/disable ComfortView.



Accessing the OSD menu

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

1. Press key to call out ComfortView OSD menu.

   - Press key to switch ComfortView ON/OFF.

     ComfortView = ON

     ComfortView = OFF

2. Press key to call out Brightness OSD menu.

   - Press the button to increase the brightness and press the button decrease brightness (min. 0; max. 100).

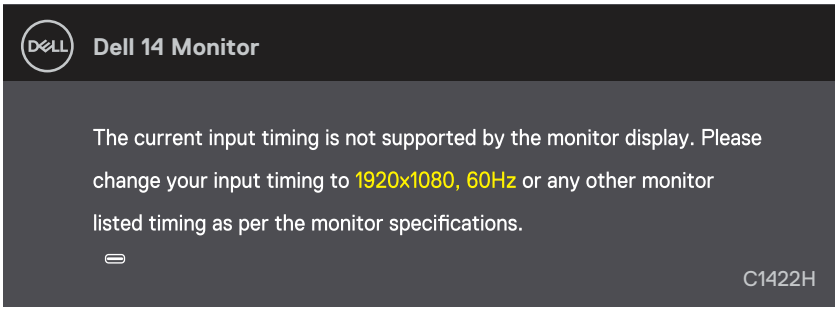
Note: No Contrast adjustment.

Note: OSD menu supports English only.

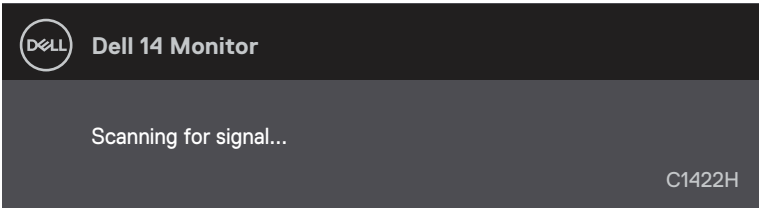
OSD warning messages

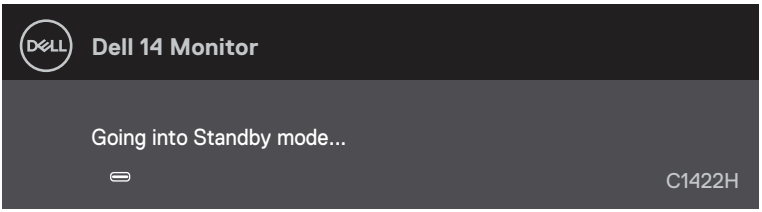
When the monitor does not support a particular resolution mode, you will see the following message:

Note: OSD menu supports English only.

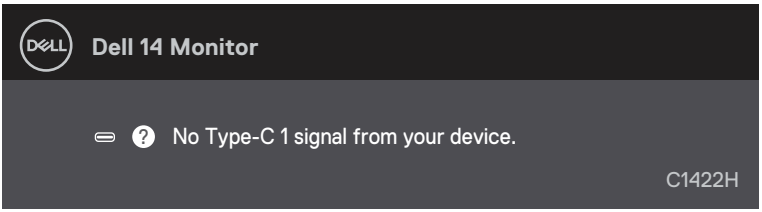


When the monitor enters Standby mode, the following message appears.





If USB Type-C cable is connected but without video signal, a floating dialog box as shown below appears.



See **Troubleshooting** for more information.

Setting up display resolution on your monitor

Setting display resolution to 1920 x 1080

For best performance, set the display resolution to 1920 x 1080 pixels by performing the following steps:

In Windows 7:

1. Right-click on the desktop and click **Screen Resolution.**
2. Click the drop-down menu of the **Screen Resolution** and select 1920 x 1080.
3. Click **OK**.

In Windows 8 or Windows 8.1:

1. Select the Desktop tile to switch to classic desktop.
2. Right-click on the desktop and click **Screen resolution**.
3. If you have more than one monitor connected, ensure that you select **C1422H**.
4. Click the **Screen Resolution** dropdown list and select **1920 x 1080**.
5. Click **OK**.

In Windows 10 or Windows 11:

1. Right-click on the desktop and click **Display settings**.
2. If you have more than one monitor connected, ensure to select **C1422H**.
3. Click the **Display Resolution** dropdown list and select **1920 x 1080**.
4. Click **Keep changes**.

If you do not see 1920 x 1080 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.

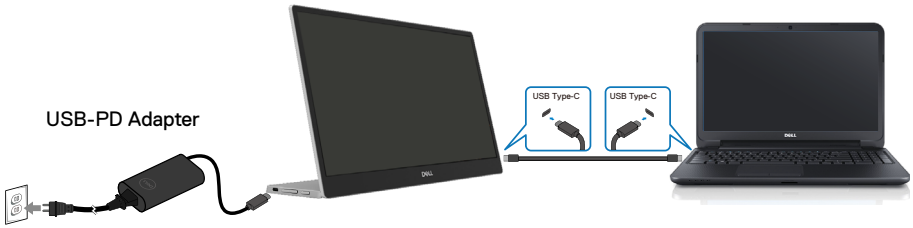
Troubleshooting

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

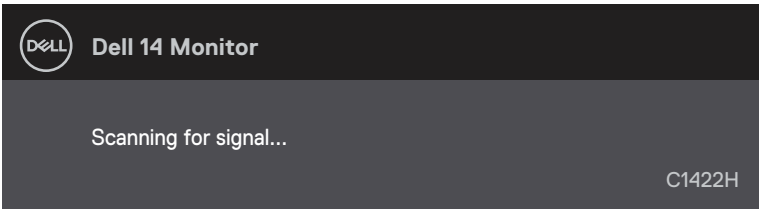
Self-test

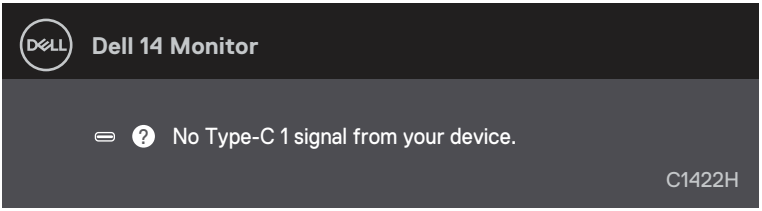
Your monitor provides a self-test feature that allows you to check if your monitor is functioning properly. If your monitor and computer are properly connected but the monitor screen remains dark, run the monitor self-test by performing the following steps:

1. Turn off your computer.
2. Disconnect Type-C power adapter cable, computer USB Type-C cable from the monitor.



3. Connect Type-C power adapter cable to the monitor. This way, the computer does not have to be involved.
4. If the monitor is working correctly, it scans for signal and detects that there is no signal and the following message appears. While in self-test mode, the power LED remains white.





NOTE: OSD menu supports English only.

NOTE: These messages also appears during normal operation, when the computer USB Type-C cable is disconnected or damaged.

5. Reconnect the computer USB Type-C cable, then turn on your computer wait for computer boot up is complete.

If your monitor remains dark after step 5, check your video controller and computer.

Built-in diagnostics

To run the built-in diagnostics:

1. Ensure that the screen is clean (no dust particles on the surface of the screen).
2. Press and hold button  for about 3 seconds and wait for a pop up diagnostic pattern.
3. Use button Up/[+] to switch pattern.
   A gray test pattern appears at the beginning of the diagnostic program.
4. Carefully inspect the screen for abnormalities.
5. Press button Up/[+] to change the test patterns.
6. Repeat steps 4 and 5 to inspect the display in red, green, blue, black, white and text screens.
7. When in White color test screen, check for white color uniformity and if there white color appears greenish/reddish, etc.
8. Press button Up/[+] to end the diagnostic program.

Common problems

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

Common symptoms	Possible solutions
No video/Power LED off	• Ensure that the video cable connecting the monitor and the computer is properly connected and secure. • Verify that the power outlet is functioning properly using any other electrical equipment. • Verify if the device required more than 65 W power charging. • Ensure that the power button is pressed. • Ensure that the USB Type-C cable is not damage.
No video/Power LED on	• Increase brightness controls using the OSD. • Perform monitor self-test feature check. • Check for bent or broken pins in the video cable connector. • Verify if the USB Type-C interface of the device can support DP alternate mode. • Set Windows to Projection mode.
Poor focus	• Eliminate video extension cables. • Change the video resolution to the correct aspect ratio.
Missing pixels	• Cycle power On-off. • Pixel that is permanently off is a natural defect that can occur in LCD technology. • For more information about Dell Monitor Quality and Pixel Policy, see Dell Support site at **https://www.dell.com/support/monitors.**
Stuck-on pixels	• Cycle power On-off. • Pixel that is permanently off is a natural defect that can occur in LCD technology. • For more information about Dell Monitor Quality and Pixel Policy, see Dell Support site at: **https://www.dell.com/support/monitors.**
Brightness problems	• Adjust brightness controls using OSD.
Synchronization problems	• Perform monitor self-test feature check to determine if the scrambled screen appears in self-test mode. • Check for bent or broken pins in the video cable connector. • Restart the computer in safe mode.
Safety related issues	• Do not perform any troubleshooting step. • Contact Dell immediately.
Intermittent problems	• Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. • Perform monitor self-test feature check to determine if the intermittent problem occurs in self-test mode.

Common symptoms	Possible solutions
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.
Intermittent charging when using USB Type-C connection to computer, laptop, and so on	• Check if the maximum power consumption device is over 65 W. • Ensure that you use only Dell approved adapter or the adapter that comes with the product. • Ensure that you use Dell-approved USB Type-C cable provided with the monitor. • Ensure that the USB Type-C cable is not damaged.

Regulatory information

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

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

EU product database for energy label and product information sheet

C1422H: https://eprel.ec.europa.eu/qr/731543

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see 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 on your purchase invoice, packing slip, bill, or Dell product catalog.