



# User Guide

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**Product notice**

This guide describes features that are common to most models. Some features may not be available on your product. To access the latest user guide, go to <http://www.hp.com/support>, and follow the instructions to find your product. Then select **User Guides**.

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## About This Guide

This guide provides information on monitor features, setting up the monitor, and technical specifications.

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-  **WARNING!** Indicates a hazardous situation that, if not avoided, **could** result in death or serious injury.
  -  **CAUTION:** Indicates a hazardous situation that, if not avoided, **could** result in minor or moderate injury.
  -  **IMPORTANT:** Indicates information considered important but not hazard-related (for example, messages related to property damage). A notice alerts the user that failure to follow a procedure exactly as described could result in loss of data or in damage to hardware or software. Also contains essential information to explain a concept or to complete a task.
  -  **NOTE:** Contains additional information to emphasize or supplement important points of the main text.
  -  **TIP:** Provides helpful hints for completing a task.
- 



This product incorporates HDMI technology.



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# 1 Getting started

## Important safety information

An AC adapter and power cord is included with the monitor. If another cord is used, use only a power source and connection appropriate for this monitor. For information on the correct power cord set to use with the monitor, refer to the *Product Notices* provided in your documentation kit.

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 **WARNING!** To reduce the risk of electric shock or damage to the equipment:

- Plug the power cord into an AC outlet that is easily accessible at all times.
- Disconnect power from the computer by unplugging the power cord from the AC outlet.
- If provided with a 3-pin attachment plug on the power cord, plug the cord into a grounded (earthed) 3-pin outlet. Do not disable the power cord grounding pin, for example, by attaching a 2-pin adapter. The grounding pin is an important safety feature.

For your safety, do not place anything on power cords or cables. Arrange them so that no one may accidentally step on or trip over them.

To reduce the risk of serious injury, read the *Safety & Comfort Guide*. It describes proper workstation setup, and proper posture, health, and work habits for computer users. The *Safety & Comfort Guide* also provides important electrical and mechanical safety information. The *Safety & Comfort Guide* is located on the Web at <http://www.hp.com/ergo>.

 **IMPORTANT:** For the protection of the monitor, as well as the computer, connect all power cords for the computer and its peripheral devices (such as a monitor, printer, scanner) to some form of surge protection device such as a power strip or uninterruptible power supply (UPS). Not all power strips provide surge protection; the power strips must be specifically labeled as having this ability. Use a power strip whose manufacturer offers a damage replacement policy so you can replace the equipment if surge protection fails.

Use the appropriate and correctly sized furniture designed to properly support your HP LCD monitor.

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 **WARNING!** LCD monitors that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, or carts may fall over and cause personal injury.

Care should be taken to route all cords and cables connected to the LCD monitor so that they cannot be pulled, grabbed, or tripped over.

Be sure that the total ampere rating of the products connected to the AC outlet does not exceed the current rating of the outlet, and that the total ampere rating of the products connected to the cord does not exceed the rating of the cord. Look on the power label to determine the ampere rating (AMPS or A) for each device.

Install the monitor near an AC outlet that you can easily reach. Disconnect the monitor by grasping the plug firmly and pulling it from the AC outlet. Never disconnect the monitor by pulling the cord.

Do not drop the monitor or place it on an unstable surface.

 **NOTE:** This product is suitable for entertainment purposes. Consider placing the monitor in a controlled luminous environment to avoid interference from surrounding light and bright surfaces that may cause disturbing reflections from the screen.

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# Product features and components

## Features

The monitor features include the following:

- 68.47 cm (27-inch) diagonal viewable area with 3840 × 2160 UHD resolution, plus full-screen support for lower resolutions
- -5° to 23° tilt capability and easy viewing from sitting or standing position, or while moving from one side of the monitor to the other
- 100 mm height adjustment
- USB Type-C power delivery up to 60 watts
- HDMI (High-Definition Multimedia Interface) video inputs
- DisplayPort video input
- Plug and Play capability if supported by your operating system
- On-screen display (OSD) adjustments in several languages for easy setup and screen optimization
- HP Display Assistant software for adjusting monitor settings and enabling the theft deterrence features
- HDCP (High-bandwidth Digital Content Protection) used on digital inputs
- VESA mounting bracket for attaching the display to a wall mount device or swing arm



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**NOTE:** For safety and regulatory information, refer to the *Product Notices* provided in your documentation kit. To access the latest user guides or manuals for your product, go to <http://www.hp.com/support>. Select **Find your product**, and then follow the on-screen instructions.

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## Rear components



| Component  | Function   |
|--|--|
| (1) <b>Menu</b> button                                   | Press to open the OSD menu, select a menu item from the OSD, or close the OSD menu.  |
| (2) <b>Plus</b> button<br>Function button 2—assignable*  | If the OSD menu is open, press to navigate forward through the OSD menu and increase adjustment levels.<br>If the OSD menu is closed, press to advance to the next active input port (USB-C Video, HDMI, DisplayPort). |
| (3) <b>Minus</b> button<br>Function button 3—assignable* | If the OSD menu is open, press to navigate backward through the OSD menu and decrease adjustment levels.<br>If the OSD menu is closed, press to open the Viewing Modes menu.   |
| (4) <b>OK</b> button<br>Function button 4—assignable*    | If the OSD menu is open, press to confirm selection.<br>If the OSD menu is closed, press to open the Information menu.   |
| (5) <b>Power</b> button                                  | Turns the monitor on or off.   |
| (6) <b>DisplayPort</b> port                              | Connects the DisplayPort cable from the source device to the monitor.<br>Recommended resolution: 3840 × 2160 (60 Hz)   |
| (7) <b>HDMI 1 (2.0)</b> port                             | Connects the HDMI cable from the source device to the monitor.<br>Recommended resolution: 3840 × 2160 (60 Hz)  |
| (8) <b>HDMI 2 (1.4)</b> port                             | Connects the HDMI cable from the source device to the monitor.<br>Recommended resolution: 3840 × 2160 (30 Hz)  |
| (9) <b>USB Type-C</b> port                               | Connects the USB Type-C cable from the source device to the monitor.   |
| (10) <b>Power</b> connector                              | Connects an AC adapter.  |
| (11) <b>Security</b> cable slot                          | Connects an optional security cable.   |

\* Function buttons 2 through 4 may be used to navigate through the OSD menu based on the indicators above the buttons that are activated while the OSD menu is open.



**NOTE:** You can reconfigure the Function buttons by using the **Assign Button** function in the OSD menu to quickly select the most commonly used operations.

# Setting up the monitor

## Use caution when setting up the monitor

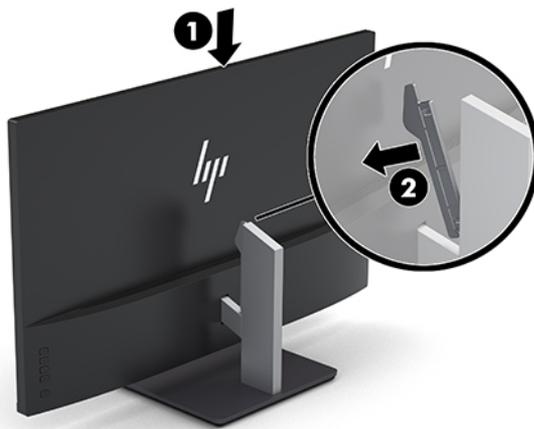
To prevent damage to the monitor, do not touch the surface of the LCD panel. Pressure on the panel may cause nonuniformity of color or disorientation of the liquid crystals. If this occurs the screen will not recover to its normal condition.

If installing or removing a stand or VESA mount, position the monitor facedown on a flat surface covered with protective sheet foam or a nonabrasive cloth. This prevents the screen from getting scratched, defaced, or broken.

## Removing the stand's hinge blocker

The monitor is shipped with a hinge blocker that locks the monitor head in the lowest height position on the stand. You must remove the hinge blocker to adjust the height of the monitor head.

To remove the hinge blocker, gently press down on the monitor head (1) and pull the hinge blocker out of the stand (2).



## Connecting the cables

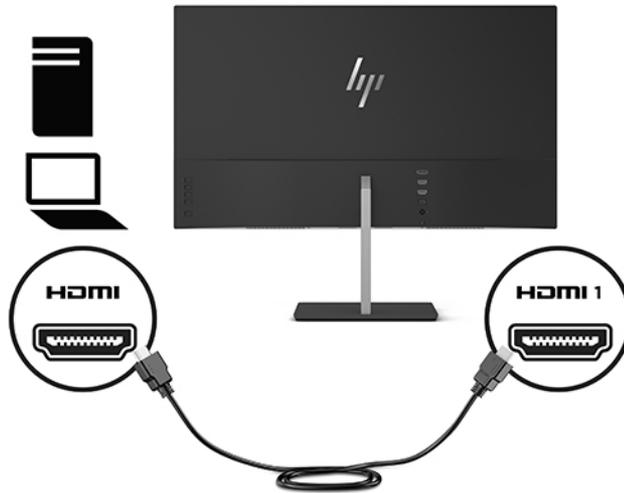
 **NOTE:** The monitor ships with select cables. Not all cables shown in this section are included with the monitor.

1. Place the monitor in a convenient, well-ventilated location near the computer.
2. Connect a video cable.

 **NOTE:** The monitor will automatically determine which inputs have valid video signals. The inputs can be selected by pressing the **Minus** button or through the on-screen display by pressing the **Menu** button and selecting **Input Control**.

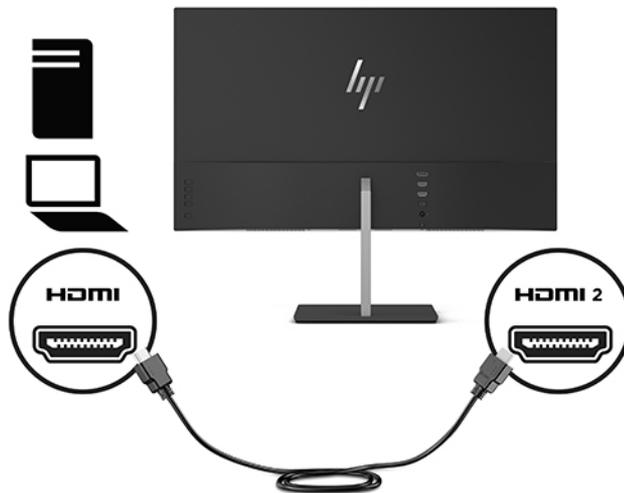
- Connect one end of an HDMI cable to the HDMI 1 port on the back of the monitor and the other end to the HDMI port on the source device.

 **NOTE:** The HDMI 1 port supports a maximum graphic resolution of 3840 × 2160 (60 Hz).



- Connect one end of an HDMI cable to the HDMI 2 port on the back of the monitor and the other end to the HDMI port on the source device.

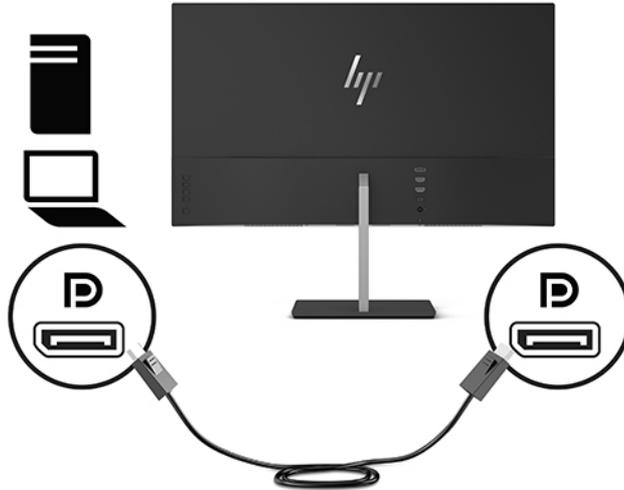
 **NOTE:** The HDMI 2 port supports a maximum graphic resolution of 3840 × 2160 (30 Hz).



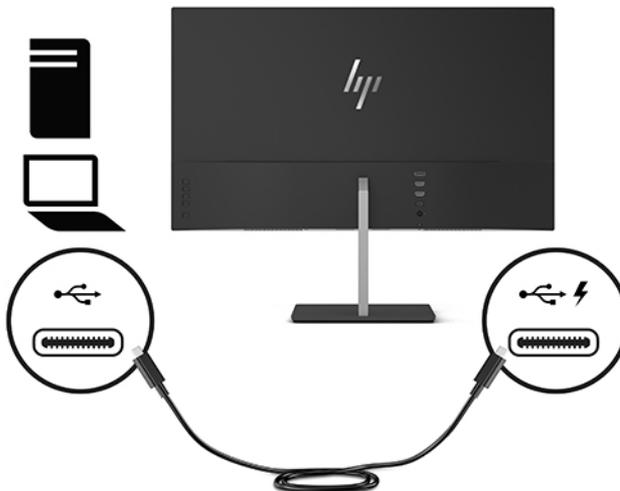
- Connect one end of a DisplayPort cable to the DisplayPort port on the rear of the monitor and the other end to the DisplayPort port on the source device.

The Auto-Switch Input function switches between the HDMI input and the DisplayPort input.

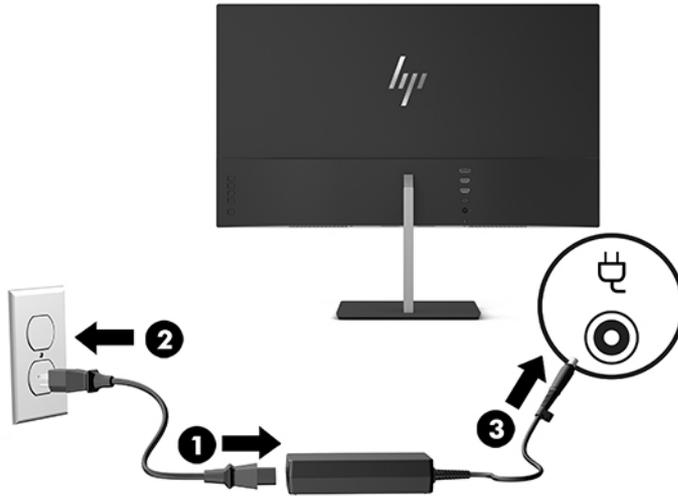
 **NOTE:** The monitor's USB Type-C port can also function as a DisplayPort audio/video input when connected to a USB Type-C source device. To switch to the USB Type-C input, press one of the OSD bezel buttons to open the OSD menu, and then select **Input Control > USB-C Video**.



3. Connect one end of a USB Type-C cable to the USB Type-C port on the rear of the monitor and the other end to a USB Type-C port on the source device. Use only the HP-approved USB Type-C cable provided with the monitor.



4. Connect one end of the power cord to the AC adapter (1) and the other end to a grounded AC outlet (2), and then connect the round end of the AC adapter to the monitor (3).



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**⚠ WARNING!** To reduce the risk of electric shock or damage to the equipment:

Do not disable the power cord grounding plug. The grounding plug is an important safety feature.

Plug the power cord into a grounded (earthed) AC outlet that is easily accessible at all times.

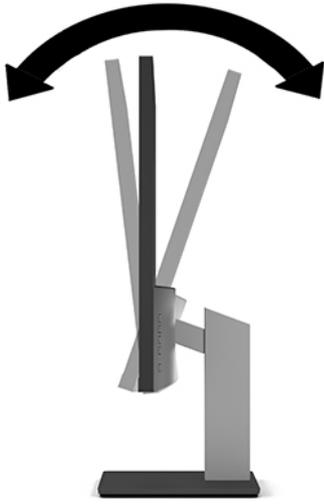
Disconnect power from the equipment by unplugging the power cord from the AC outlet.

For your safety, do not place anything on power cords or cables. Arrange them so that no one may accidentally step on or trip over them. Do not pull on a cord or cable. When unplugging the power cord from the AC outlet, grasp the cord by the plug.

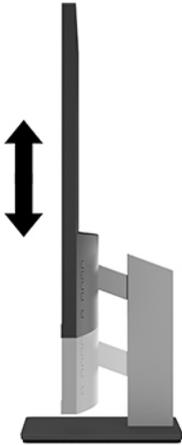
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## Adjusting the monitor

Tilt the monitor forward or backward to set it to a comfortable eye level.



Adjust the monitor up or down to set it to a comfortable eye level.



## Turning on the monitor

1. Press the power button on the source device to turn it on.
2. Press the power button on the rear of the monitor to turn it on.



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**IMPORTANT:** Burn-in image damage may occur on monitors that display the same static image on the screen for 12 or more consecutive hours of nonuse. To avoid burn-in image damage on the monitor screen, you should always activate a screen saver application or turn off the monitor when it is not in use for a prolonged period of time. Image retention is a condition that may occur on all LCD screens. A burned-in image on the monitor is not covered under the HP warranty.

**NOTE:** If pressing the power button has no effect, the Power Button Lockout feature may be enabled. To disable this feature, press and hold the monitor power button for 10 seconds.

**NOTE:** You can disable the power LED in the OSD menu. Press the **Menu** button to open the OSD, and then select **Power Control**. Select **Power LED**, and then select **Off**.

---

When the monitor is turned on, a Monitor Status message is displayed for five seconds. The message shows which input is the current active signal, the status of the auto-switch source setting (On or Off; factory default is On), the current preset resolution, and the recommended preset resolution.

The monitor automatically scans the signal inputs for an active input and uses that input for the screen.

## HP watermark and image retention policy

The IPS monitor models are designed with IPS (In-Plane Switching) display technology which provides ultra-wide viewing angles and advanced image quality. IPS monitors are suitable for a wide variety of advanced image quality applications. This panel technology, however, is not suitable for applications that exhibit static, stationary, or fixed images for long periods of time without the use of screen savers. These types of applications may include camera surveillance, video games, marketing logos, and templates that are displayed on the screen for a prolonged period of time. Static images may cause image retention damage that could look like stains or watermarks on the monitor's screen.

Monitors in use for 24 hours per day that result in image retention damage are not covered under the HP warranty. To avoid image retention damage, always turn off the monitor when it is not in use or use the power management setting, if supported on your system, to turn off the monitor when the system is idle.

## Mounting the monitor

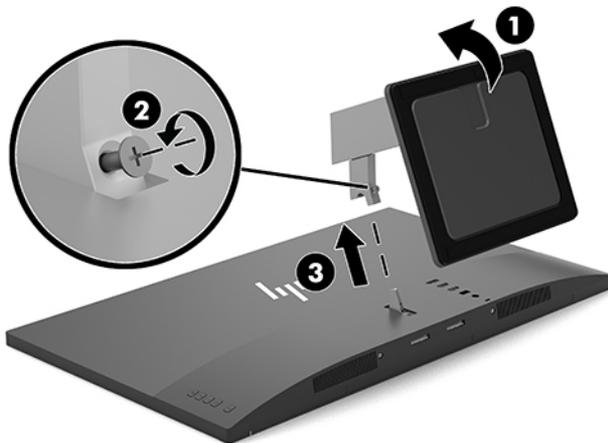
The monitor head can be attached to a wall, swing arm, or other mounting fixture.

- 
-  **NOTE:** This apparatus is intended to be supported by a UL or CSA Listed wall-mount bracket.
  -  **IMPORTANT:** This monitor supports the VESA industry standard 100 mm mounting holes. To attach a third-party mounting solution to the monitor, use four 4 mm, 0.7 pitch, 10 mm–long screws. Longer screws must not be used because they may damage the monitor. It is important to verify that the manufacturer’s mounting solution is compliant with the VESA standard and is rated to support the weight of the monitor head. For best performance, it is important to use the power and video cables provided with the monitor.
- 

## Removing the monitor stand

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-  **IMPORTANT:** Before beginning to disassemble the monitor, be sure the monitor is turned off and all cables are disconnected.
- 

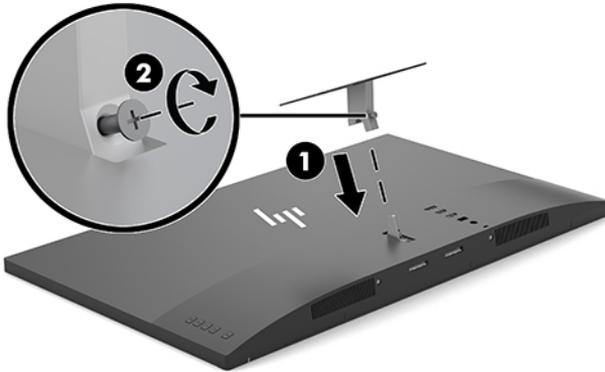
1. Disconnect and remove all cables from the monitor.
2. Position the monitor face down on a flat surface covered by a soft clean cloth.
3. Tilt the stand up (1), then remove the mounting screw that secures the stand to the monitor (2), and then lift the stand off the monitor (3).



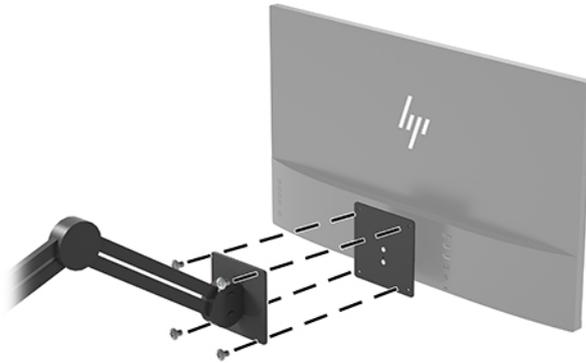
## Attaching the VESA mounting bracket

A VESA mounting bracket is included with the monitor for use when attaching the monitor head to a wall, swing arm, or other mounting fixture.

1. Remove the monitor stand. See [Removing the monitor stand on page 10](#).
2. Retain the mounting screw that was removed when removing the monitor from the stand.
3. Slide the VESA bracket onto the monitor mounting connector (1), and then secure the bracket with the mounting screw (2).

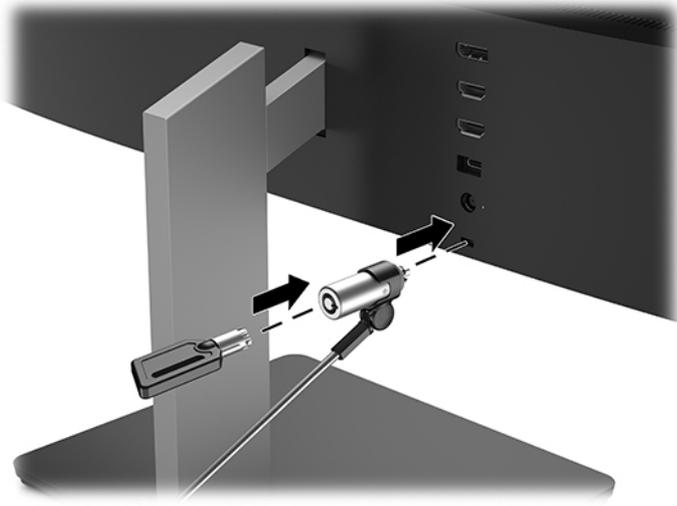


4. To attach the monitor to a swing arm or other mounting device, insert four mounting screws through the holes on the mounting device and into the screw holes on the VESA bracket.



## Installing a security cable

You can secure the monitor to a fixed object with an optional security cable available from HP.



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## 2 Using the monitor

### Software and utilities

You can download and install the following files to your computer from <http://www.hp.com/support>.

- INF (Information) file
- ICM (Image Color Matching) files (one for each calibrated color space)
- HP Display Assistant software

#### The Information file

The INF file defines monitor resources used by Windows® operating systems to ensure monitor compatibility with the computer's graphics adapter.

This monitor is Windows Plug and Play-compatible and the monitor will work correctly without installing the INF file. Monitor Plug and Play compatibility requires that the computer's graphic card is VESA DDC2-compliant and that the monitor connects directly to the graphics card. Plug and Play does not work through separate BNC-type connectors or through distribution buffers/boxes.

#### The Image Color Matching file

The ICM files are data files that are used in conjunction with graphics programs to provide consistent color matching from monitor screen to printer, or from scanner to monitor screen. This file is activated from within graphics programs that support this feature.



**NOTE:** The ICM color profile is written in accordance with the International Color Consortium (ICC) Profile Format specification.

### Using the on-screen display (OSD) menu

Use the on-screen display (OSD) menu to adjust the screen image based on your viewing preferences. You can access and make adjustments in the OSD menu using the buttons on the rear of the display.

To access the OSD menu and make adjustments, do the following:

1. If the monitor is not already on, press the power button to turn on the monitor.
2. To access the OSD menu, press the **Menu** button on the monitor.
3. To navigate through the OSD menu, press the **Plus** button on the monitor to scroll up, or the **Minus** button to scroll down.
4. To select an item from the OSD menu, use the **Plus** or **Minus** buttons to scroll to and highlight your selection, and then press the **OK** button to select that function.
5. Adjust the item using the **Plus** and **Minus** buttons to adjust the scale.
6. After adjusting the function, select **OK** to save the setting, and then select **Exit** from the main menu.

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| Main menu  | Description  |
|------------|--|
| Brightness | Adjusts the brightness level of the screen. The factory default is 90. |

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| Main menu     | Description  |
|---------------|--|
| Contrast      | Adjusts the contrast level of the screen. The factory default is 80.                           |
| Color Control | Selects and adjusts the screen color.  |
| Input Control | Selects the video input signal.  |
| Image Control | Adjusts the screen image.  |
| Power Control | Adjusts the power settings.  |
| Menu Control  | Adjusts the on-screen display (OSD) controls.  |
| Management    | Adjusts the DDC/CI settings and returns all OSD menu settings to the factory default settings. |
| Language      | Selects the language in which the OSD menu is displayed. The factory default is English.       |
| Information   | Selects and displays important information about the monitor.                                  |
| Exit          | Exits the OSD menu screen.   |

## Using Auto-Sleep Mode

The monitor supports an OSD (on-screen display) menu option called Auto-Sleep Mode that allows you to enable or disable a reduced power state for the monitor. When Auto-Sleep Mode is enabled (enabled by default), the monitor will enter a reduced power state when the host computer signals low power mode (absence of either horizontal or vertical sync signal).

Upon entering this reduced power state (sleep mode), the monitor screen is blanked, the backlight is turned off, and the power LED indicator turns amber. The monitor draws less than 0.5 W of power when in this reduced power state. The monitor will wake from sleep mode when the host device sends an active signal to the monitor (for example, if you activate the mouse or keyboard).

You can disable Auto-Sleep Mode in the OSD. Press the **Menu** button to open the OSD, and then select **Power Control**, select **Auto-Sleep Mode**, and then select **Off**.

## Adjusting Low Blue Light Mode

Decreasing the blue light emitted by the display reduces the blue light exposure to your eyes. HP monitors provide a setting to reduce blue light output and create a more relaxing and less stimulating image while reading content on the screen. To adjust your monitor to a comfortable viewing light, follow the steps below.

1. Press the **Minus** button on the monitor to open to the **Viewing Modes** menu.
2. Choose one of the following light settings:
  - **Low Blue Light** (TUV certified): Reduces blue light for improved eye comfort
  - **Night**: Adjusts the monitor to the lowest blue light output
  - **Reading**: Optimizes both blue light and brightness for indoor viewing
3. Press the **OK** button to save your setting.

# 3 Support and troubleshooting

## Solving common problems

The following table lists possible problems, the possible cause of each problem, and the recommended solutions.

| Problem  | Possible cause  | Solution  |
|--|---|---|
| Screen is blank or video is flashing.  | Power cord is disconnected.   | Connect the monitor power cord.   |
|  | Monitor is turned off.  | Press the monitor power button.<br><b>NOTE:</b> If pressing the power button has no effect, press and hold the power button for 10 seconds to disable the Power Button Lockout feature.                       |
|  | Video cable is not connected.   | Connect the video cable between the source device and monitor. Be sure the computer power is off while you connect the video cable. See <a href="#">Connecting the cables on page 5</a> for more information. |
|  | System is in sleep mode.  | Press any key on the keyboard or move the mouse to exit sleep mode.   |
|  | Video card is incompatible.   | Replace the video card or connect the video cable to one of the computer's onboard video sources.   |
| Image appears too dark.  | Brightness setting is too low.  | Open the OSD menu and select <b>Brightness</b> to adjust the brightness scale as needed.  |
| <b>Input Signal Not Found</b> is displayed on the screen.                    | Monitor video cable is disconnected.  | Connect the appropriate video signal cable between the computer and monitor. Be sure that the computer power is off while connecting the video cable.   |
| <b>Input Signal Out of Range</b> is displayed on screen.                     | Video resolution and/or refresh rate are set higher than what the monitor supports. | Change the settings to a supported setting (see <a href="#">Preset display resolutions on page 19</a> ).  |
| The monitor is off but it did not seem to enter into a low-power sleep mode. | The monitor's sleep mode is disabled.   | Open the OSD menu and select <b>Power Control</b> , select <b>Auto-Sleep Mode</b> , and then set auto-sleep to <b>On</b> .  |
| <b>OSD Lockout</b> is displayed.   | The monitor's OSD Lockout function is enabled.                                      | Press and hold the <b>Menu</b> button for 10 seconds to disable the OSD Lockout function.   |
| <b>Power Button Lockout</b> is displayed.                                    | The monitor's Power Button Lockout feature is enabled.                              | Press and hold the power button for 10 seconds to disable the Power Button Locket function.   |

## Button lockouts

Holding down the power button or **Menu** button for ten seconds will lock out the functionality of that button. You can restore the functionality by holding the button down again for ten seconds. This functionality is only available when the monitor is on and displaying an active signal, and the OSD menu is not open.

## Contacting support

To resolve a hardware or software problem, go to <http://www.hp.com/support>. Use this site to get more information about your product, including links to discussion forums and instructions on troubleshooting. You can also find information on how to contact HP and open a support case.

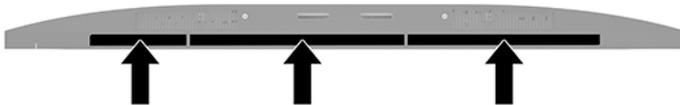
## Preparing to call technical support

If you can not solve a problem using the troubleshooting tips in this section, you may need to call technical support. Have the following information available when you call:

- Monitor model number
- Monitor serial number
- Purchase date on invoice
- Conditions under which the problem occurred
- Error messages received
- Hardware configuration
- Name and version of the hardware and software you are using

## Locating the serial number and product number

The serial number and product number are located on a label on the bottom edge of the monitor head. You may need these numbers when contacting HP about the monitor model.



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# 4 Maintaining the monitor

## Maintenance guidelines

To enhance the performance and extend the life of the monitor:

- Do not open the monitor cabinet or attempt to service this product yourself. Adjust only those controls that are covered in the operating instructions. If the monitor is not operating properly or has been dropped or damaged, contact an authorized HP dealer, reseller, or service provider.
- Use only a power source and connection appropriate for this monitor, as indicated on the label/back plate of the monitor.
- Be sure the total ampere rating of the products connected to the AC outlet does not exceed the current rating of the AC outlet, and the total ampere rating of the products connected to the cord does not exceed the rating of the cord. Look on the power label to determine the ampere rating (AMPS or A) for each device.
- Install the monitor near an outlet that you can easily reach. Disconnect the monitor by grasping the plug firmly and pulling it from the outlet. Never disconnect the monitor by pulling the cord.
- Turn the monitor off when not in use. You can substantially increase the life expectancy of the monitor by using a screen saver program and turning off the monitor when not in use.



**NOTE:** A burned-in image on the monitor is not covered under the HP warranty.

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- Slots and openings in the cabinet are provided for ventilation. These openings must not be blocked or covered. Never push objects of any kind into cabinet slots or other openings.
- Do not drop the monitor or place it on an unstable surface.
- Do not allow anything to rest on the power cord. Do not walk on the cord.
- Keep the monitor in a well-ventilated area, away from excessive light, heat, or moisture.
- When removing the monitor stand, you must position the monitor facedown on a soft area to prevent it from getting scratched, defaced, or broken.

## Cleaning the monitor

1. Turn off the monitor and unplug the power cord from the AC outlet.
2. Dust the monitor by wiping the screen and the cabinet with a soft, clean antistatic cloth.
3. For more difficult cleaning situations, use a 50/50 mix of water and Isopropyl alcohol.



**IMPORTANT:** Spray the cleaner onto a cloth and use the damp cloth to gently wipe the screen surface. Never spray the cleaner directly on the screen surface. It may run behind the bezel and damage the electronics.

**IMPORTANT:** Do not use cleaners that contain any petroleum-based materials such as benzene, thinner, or any volatile substance to clean the monitor screen or cabinet. These chemicals may damage the monitor.

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## Shipping the monitor

Keep the original packing box in a storage area. You may need it later if you move or ship the monitor.

# A Technical specifications



**NOTE:** All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

For the latest specifications or additional specifications on this product, go to <http://www.hp.com/go/quickspecs/> and search for your specific monitor model to find the model-specific QuickSpecs.

| Specification                                 | Measurement                   |                       |
|---|-------------------------------|-----------------------|
| <b>Display</b>                                | <b>68.47 cm</b> wide screen   | 27 inches wide screen |
| <b>Type</b>                                   | IPS                           |                       |
| <b>Viewable image size</b>                    | <b>68.47 cm</b> diagonal      | 27 inch diagonal      |
| <b>Tilt adjustment range</b>                  | -5° to 23°                    |                       |
| <b>Height adjustment range</b>                | 0 mm to 100 mm                |                       |
| <b>Weight</b>                                 |                               |                       |
| Without stand                                 | <b>4.85 kg</b>                | 10.68 lb              |
| With stand                                    | <b>5.96 kg</b>                | 13.13 lb              |
| <b>Dimensions (including stand)</b>           |                               |                       |
| Height  | <b>49.8 cm</b>                | 19.6 in               |
| Depth   | <b>18.9 cm</b>                | 7.4 in                |
| Width   | <b>61.35 cm</b>               | 24.15 in              |
| <b>Maximum graphic resolution</b>             | 3840 × 2160 (60 Hz)           |                       |
| <b>Optimum graphic resolution</b>             | 3840 × 2160 (60 Hz)           |                       |
| <b>Dot pitch</b>                              | 0.27675 mm                    |                       |
| <b>Pixels per inch</b>                        | 91.8 PPI                      |                       |
| <b>Horizontal frequency</b>                   | 27 kHz to 135 kHz             |                       |
| <b>Vertical refresh rate</b>                  | 24 Hz to 60 Hz                |                       |
| <b>Environmental requirements temperature</b> |                               |                       |
| Operating temperature                         | <b>5°C to 35°C</b>            | 41°F to 95°F          |
| Storage temperature                           | <b>-20°C to 60°C</b>          | -4°F to 140°F         |
| <b>Relative humidity</b>                      | 20% to 70%                    |                       |
| <b>Power source</b>                           | 100 V ac to 240 V ac 50/60 Hz |                       |
| <b>Altitude:</b>                              |                               |                       |
| Operating                                     | <b>0 m to 5,000 m</b>         | 0 to 16,400 ft        |
| Storage                                       | <b>0 m to 12,192 m</b>        | 0 to 40,000 ft        |

| Specification                      | Measurement   |
|------------------------------------|---|
| <b>Measured power consumption:</b> |   |
|                                    | 126 W   |
| Full power                         | 55 W  |
| Typical settings                   | <0.5 W  |
| Sleep                              | <0.3 W  |
| Off                                |   |
| <b>Input terminal</b>              | Two HDMI ports, one DisplayPort port, and one USB Type-C port |

## Preset display resolutions

The display resolutions listed below are the most commonly used modes and are set as factory defaults. The monitor automatically recognizes these preset modes and they will appear properly sized and centered on the screen.

| Preset | Pixel format | Horz freq (kHz) | Vert freq (Hz) |
|--------|--------------|-----------------|----------------|
| (1)    | 640 × 480    | 31.469          | 59.94          |
| (2)    | 720 × 400    | 31.469          | 70.087         |
| (3)    | 800 × 600    | 37.879          | 60.317         |
| (4)    | 1024 × 768   | 48.363          | 60.004         |
| (5)    | 1280 × 720   | 45              | 60             |
| (6)    | 1280 × 800   | 49.702          | 59.81          |
| (7)    | 1280 × 1024  | 63.981          | 60.02          |
| (8)    | 1440 × 900   | 55.935          | 59.887         |
| (9)    | 1600 × 900   | 60              | 60             |
| (10)   | 1680 × 1050  | 65.29           | 59.954         |
| (11)   | 1920 × 1080  | 67.5            | 60             |
| (12)   | 1920 × 1200  | 74.038          | 59.95          |
| (13)   | 1600 × 1200  | 75              | 60             |
| (14)   | 1920 × 1200  | 74.556          | 59.885         |
| (15)   | 2560 × 1440  | 88.787          | 59.951         |
| (16)   | 3840 × 2160  | 67.5            | 30             |
| (17)   | 3840 × 2160  | 133.3           | 60             |

| Preset | Timing name | Pixel format | Horz freq (kHz) | Vert freq (Hz) |
|--------|-------------|--------------|-----------------|----------------|
| (1)    | 480p        | 720 × 480    | 31.469          | 60             |
| (2)    | 576p        | 720 × 576    | 31.25           | 50             |

| Preset | Timing name | Pixel format | Horz freq (kHz) | Vert freq (Hz) |
|--------|-------------|--------------|-----------------|----------------|
| (3)    | 720p50      | 1280 × 720   | 37.5            | 50             |
| (4)    | 720p60      | 1280 × 720   | 45              | 60             |
| (5)    | 1080p60     | 1920 × 1080  | 67.5            | 60             |
| (6)    | 1080p50     | 1920 × 1080  | 56.25           | 50             |

## Entering user modes

Under the following conditions, the video controller signal may occasionally call for a mode that is not preset:

- You are not using a standard graphics adapter.
- You are not using a preset mode.

If this occurs, you may need to readjust the parameters of the monitor screen by using the on-screen display. Your changes can be made to any or all of these modes and saved in memory. The monitor automatically stores the new setting, and then recognizes the new mode just as it does a preset mode. In addition to the factory preset modes, there are at least 10 user modes that can be entered and stored.

## Power adapter

| Manufacturer | Model number | Power supply rating                               |
|--------------|--------------|---|
| AcBel        | TPC-AA501    | 19.5 V dc @ 9.23 A – 180 W (with USB Type-C port) |

## Energy saver feature

The monitor supports a reduced power state. The reduced power state will be initiated if the monitor detects the absence of either the horizontal sync signal or the vertical sync signal. Upon detecting the absence of these signals, the monitor screen is blanked, the backlight is turned off, and the power light turns amber. When the monitor is in the reduced power state, the monitor will utilize <0.5 watts of power. There is a brief warm-up period before the monitor will return to its normal operating mode.

Refer to the computer manual for instructions on setting the energy saver features (sometimes called power management features).



**NOTE:** The energy saver feature only works when the monitor is connected to a computer that has energy saver features.

By selecting the settings in the monitor's Energy Saver utility, you can also program the monitor to initiate the reduced power state at a predetermined time. When the monitor's Energy Saver utility causes the monitor to initiate the reduced power state, the power light blinks amber.

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## B Accessibility

HP designs, produces, and markets products and services that can be used by everyone, including people with disabilities, either on a stand-alone basis or with appropriate assistive devices.

### Supported assistive technologies

HP products support a wide variety of operating system assistive technologies and can be configured to work with additional assistive technologies. Use the Search feature on your source device that is connected to the monitor to locate more information about assistive features.

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 **NOTE:** For additional information about a particular assistive technology product, contact customer support for that product.

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### Contacting support

We are constantly refining the accessibility of our products and services and welcome feedback from users. If you have an issue with a product or would like to tell us about accessibility features that have helped you, please contact us at (888) 259-5707, Monday through Friday, 6 a.m. to 9 p.m. Mountain Time. If you are deaf or hard-of-hearing and use TRS/VRS/WebCapTel, contact us if you require technical support or have accessibility questions by calling (877) 656-7058, Monday through Friday, 6 a.m. to 9 p.m. Mountain Time.