



HP Compaq LA1905wl, LA1905wg,
LA2205wg, LA2205wl, LA22f,
LA2405wg, and LA2405x LCD Monitors

User Guide

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Fifth Edition (April 2012)

Document Part Number: 537704-005

About This Guide

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

 **WARNING!** Text set off in this manner indicates that failure to follow directions could result in bodily harm or loss of life.

 **CAUTION:** Text set off in this manner indicates that failure to follow directions could result in damage to equipment or loss of information.

 **NOTE:** Text set off in this manner provides important supplemental information.

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1 Product Features

HP LCD Monitors

The LCD (liquid crystal display) monitors have an active matrix, thin-film transistor (TFT) panel. The monitor models and features include:

- LA1905wl and LA1905wg models, 48.1 cm (19-inch) diagonal viewable area display with 1440 × 900 resolution, plus full-screen support for lower resolutions; includes custom scaling for maximum image size while preserving original aspect ratio
- LA2205wg model, 55.88 cm (22-inch) diagonal viewable area display with 1680 x 1050 resolution, plus full-screen support for lower resolutions; includes custom scaling for maximum image size while preserving original aspect ratio
- LA22f and LA2205wl models, 55.88 cm (22-inch) diagonal viewable area display with 1680 x 1050 resolution, plus full-screen support for lower resolutions; includes custom scaling for maximum image size while preserving original aspect ratio
- LA2405wg and LA2405x models, 60.96 cm (24-inch) diagonal viewable area display with 1920 x 1200 resolution, plus full-screen support for lower resolutions; includes custom scaling for maximum image size while preserving original aspect ratio
- Wide viewing angle to allow viewing from a sitting or standing position, or moving side-to-side
- Tilt capability
- Pivot capability to rotate display to portrait mode
- Swivel and height adjustment capabilities
- Removable stand for flexible monitor panel mounting solutions
- Video signal input to support VGA analog with VGA signal cable provided
- Video signal input to support DVI digital with DVI-D signal cable provided
- Video signal input to support DisplayPort digital (DisplayPort cable not provided)
- USB 2.0 hub with one upstream port (connects to the computer) and two downstream ports (connects to USB devices)
- USB cable provided to connect the monitor's USB hub to the USB connector on the computer
- Supports an optional HP speaker bar
- Plug and play capability if supported by the system
- Privacy filter slots to insert filters (purchased separately) to block side screen viewing
- Security slot provision on rear of monitor for optional cable lock
- Cable management feature for placement of cables and cords
- On-Screen Display (OSD) adjustments in several languages for easy setup and screen optimization
- HP Display Assistant for adjusting monitor settings

- Theft deterrence enabled through the HP Display Assistant software
- HDCP copy protection on DVI and DisplayPort inputs
- Software and documentation CD that includes monitor drivers and product documentation
- Energy saver feature to meet requirements for reduced power consumption
- Energy Star qualified
- Intelligent Management AssetControl
- Compliant with the following regulated specifications:
 - European Union CE Directives
 - Swedish TCO Requirements

2 Setting Up the Monitor

To set up the monitor, ensure that the power is turned off to the monitor, computer system, and other attached devices, then follow the instructions below.

Unfolding the Monitor Pedestal Base

1. Lift the monitor from its box and place it face down on a flat surface.
2. Hold down the monitor base with one hand (1) then grasp the handle with the other hand and unfold the display head 90 degrees (2).

CAUTION: Do not touch the surface of the LCD panel. Pressure on the panel may cause non-uniformity of color or disorientation of the liquid crystals. If this occurs the screen will not recover to its normal condition.

Figure 2-1 Unfolding the Monitor Pedestal Base



NOTE: When the monitor is unfolded for the first time, the display head is locked from adjusting to a full-height position. To adjust the display head to full height, press down on the display head to unlock it then pull up on the display head to raise it to the full-height position.

Rear Components

Figure 2-2 Rear Components



Component		Function
1	AC Power Connector	Connects the AC power cord to the monitor.
2	DisplayPort	Connects the DisplayPort cable (not included) to the monitor.
3	DVI	Connects the DVI-D cable to the monitor.
4	VGA	Connects the VGA cable to the monitor.
5	USB Upstream Connector	Connects the USB hub cable to the monitor's USB hub connector and to a host USB port/hub.
6	USB Downstream Connectors (2)	Connects optional USB devices to the monitor.

Connecting the Cables

1. Place the monitor in a convenient, well-ventilated location near the computer.

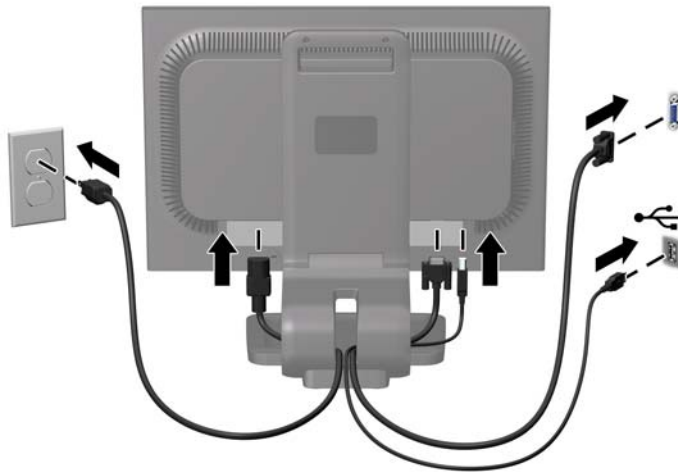
 **NOTE:** Before connecting the cables, route them through the opening on the monitor's pedestal.

2. Connect a VGA signal cable, DVI-D signal cable, or DisplayPort signal cable.

 **NOTE:** The monitor is capable of supporting either analog or digital input. The video mode is determined by the video cable used. The monitor will automatically determine which inputs have valid video signals. The inputs can be selected by pressing the **+ / Source** button on the front panel or through the On-Screen Display (OSD) feature by pressing the **Menu** button.

- For analog operation, use the VGA signal cable provided. Connect the VGA signal cable to the VGA connector on the rear of the monitor and the other end to the VGA connector on the computer.
 - For DVI digital operation, use the DVI-D signal cable provided. Connect the DVI-D signal cable to the DVI connector on the rear of the monitor and the other end to the DVI connector on the computer.
 - For DisplayPort digital operation, use a DisplayPort signal cable (not provided). Connect the DisplayPort signal cable to the DisplayPort connector on the rear of the monitor and the other end to the DisplayPort connector on the computer.
3. Connect one end of the provided USB cable to the USB hub connector on the rear panel of the computer, and the other end to the upstream USB connector on the monitor.
 4. Connect one end of the power cable to the AC power connector on the back of the monitor, and the other end to an electrical wall outlet.

Figure 2-3 Connecting the Cables



⚠ 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) electrical outlet that is easily accessible at all times.

Disconnect power from the equipment by unplugging the power cord from the electrical 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 from the electrical outlet, grasp the cord by the plug.

📝 NOTE: An optional speaker bar that mounts on to the monitor is available from HP.

Front Panel Controls

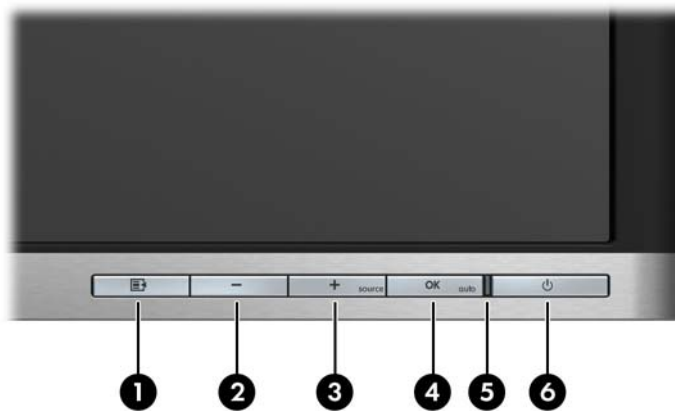


Table 2-1 Monitor Front Panel Controls

Control	Function
1  Menu	Opens, selects or exits the OSD menu.
2  Minus	If the OSD menu is on, press to navigate backward through the OSD menu and decrease adjustment levels.
3  Plus/source	If the OSD menu is on, press to navigate forward through the OSD menu and increase adjustment levels. If the OSD menu is inactive, press to activate the source button that chooses the video signal input (VGA, DVI, or DisplayPort)
4  OK/auto	If the OSD menu is on, press to select the highlighted menu item. If the OSD menu is inactive, press to activate the auto adjustment feature to optimize the screen image.
5 Power LED	Green = Fully powered. Amber = Sleep mode. Flashing Amber = Sleep Timer mode.
6  Power	Turns the monitor on or off.

 **NOTE:** To view an OSD menu simulator, visit the HP Customer Self Repair Services Media Library at <http://www.hp.com/go/sml>.

Adjusting the Monitor

 **NOTE:** Your monitor model may look different than the model in the following illustrations.

1. Tilt the monitor's panel forward or backward to set it to a comfortable eye level.

Figure 2-4 Tilting the Monitor



2. Swivel the monitor to the left or right for the best viewing angle.

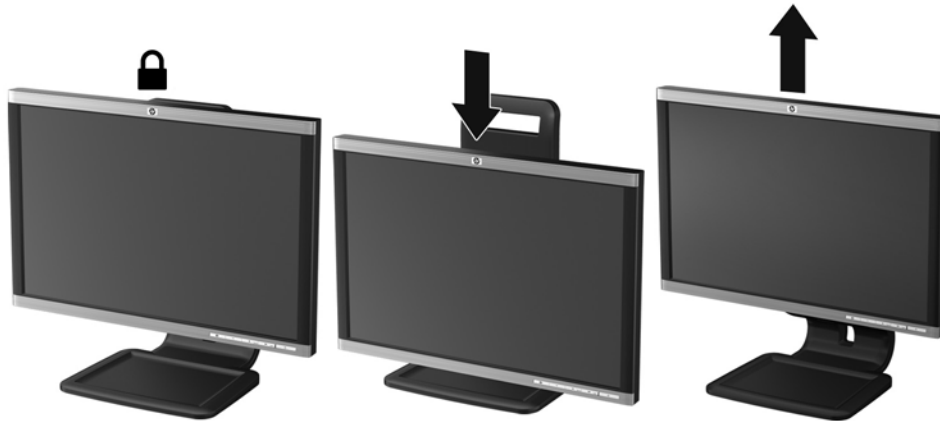
Figure 2-5 Swiveling the Monitor



3. Adjust the monitor's height so that it is parallel to your eye height for a comfortable viewing position.

 **NOTE:** When the monitor is unfolded for the first time, the display head is locked from adjusting to a full-height position. To adjust the display head to full height, press down on the display head to unlock it then pull up on the display head to raise it to the full-height position.

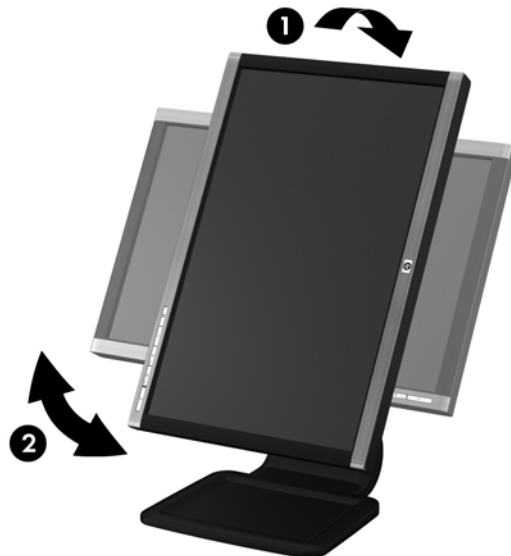
Figure 2-6 Adjusting the Height



4. Pivot the monitor from landscape to portrait orientation viewing to adapt to your application.
 - a. Adjust the monitor to the full height position and tilt the monitor back to the full tilt position (1).
 - b. Pivot the monitor clockwise 90° from landscape to portrait orientation (2).

 **CAUTION:** If the monitor is not in full height and full tilt position when pivoting, the bottom right corner of the monitor panel will come in contact with the base and potentially cause damage to the monitor.

Figure 2-7 Pivoting the Monitor



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