

Lenovo LI2215s User Guide

Product Number

65CC-ACC6-WW



First Edition (03 2016)

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Safety information

General Safety guidelines

For tips to help you use your computer safely, go to:

<http://www.lenovo.com/safety>

Before installing this product, read the Safety Information.



DANGER

To avoid shock hazard:

- Do not remove the covers.
- Do not operate this product unless the stand is attached.
- Do not connect or disconnect this product during an electrical storm.
- The power cord plug must be connected to a properly wired and grounded power outlet.
- Any equipment to which this product will be attached must also be connected to properly wired and grounded power outlets.
- To isolate the monitor from the electrical supply, you must remove the plug from the power outlet. The power outlet should be easily accessible.

To take special precautions to avoid the introduction of hazards when operating, installing, servicing, transporting or storing equipment, the necessary instructions shall be made available.

To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

Handling:

- If your monitor weighs more than 18 kg (39.68 lb), it is recommended that it be moved or lifted by two people.

Safety and Maintenance Guidelines

Important Safety Information

The power cord is designed for use with your monitor. To use a different cord, use only a power source and connection compatible with this monitor.



WARNING: Always connect your monitor, the computer, and other equipment to a grounded (earthed) power outlet. To reduce the risk of electric shock or damage to your equipment, do not disable the power cord grounding feature. The grounding plug is an important safety feature.



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



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



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

Safety Precautions

- Use only a power source and connection compatible with this monitor, as indicated on the label/back plate of the monitor.
- Be sure the total ampere rating of the products connected to the outlet does not exceed the current rating of the electrical outlet, and the total ampere rating of the products connected to the power cord does not exceed the rating of the power cord. Look on the power label to determine the ampere rating (Amps or A) for each device.
- Install your monitor near a power 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.
- Do not allow anything to rest on the power cord. Do not walk on the cord.
- While using VESA mount application, the AC Inlet must face to down side. Do not face any other position.

Maintenance Guidelines

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

- Do not open your monitor cabinet or attempt to service this product yourself. If your monitor is not operating properly or has been dropped or damaged, contact your Lenovo authorized dealer, reseller, or service provider.
- Adjust only those controls that are described in the operating instructions.
- Turn your 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.
- Keep your monitor in a well-ventilated area, away from excessive light, heat, or moisture.
- 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.
- Unplug the monitor from the power outlet before cleaning. Do not use liquid cleaners or aerosol cleaners.
- Do not drop the monitor or place it on an unstable surface.
- When removing the monitor base, you must lay the monitor face down on a soft area to prevent it from getting scratched, defaced, or broken.

Cleaning the Monitor

The monitor is a high-quality optical device that requires special care when cleaning. To clean the monitor, follow these steps:

1. Turn off the computer and the monitor.
2. Unplug your monitor from the power outlet before cleaning.



CAUTION: Do not use benzene, thinner, ammonia, or any volatile substance to clean the monitor screen or cabinet. These chemicals may damage the monitor. Do not use liquid or aerosol cleaners. Never use water to clean an LCD screen.

3. Wipe the screen with a dry, soft, clean cloth. If the screen requires additional cleaning, use an antistatic screen cleaner.
4. Dust the monitor housing. Use a damp cloth to clean the cabinet. If the cabinet requires additional cleaning, use a clean cloth dampened with isopropyl alcohol.
5. Plug in the monitor.
6. Turn on the monitor and the computer.

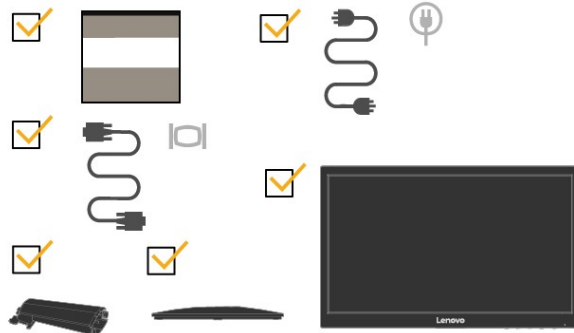
Chapter 1 Getting started

This User's Guide contains detailed information on the Lenovo LI2215s Flat Panel Monitor. For a quick overview, please see the Setup Poster that was shipped with your monitor.

Shipping contents

The product package should include the following items:

- Setup Poster
- Power Cord
- Analog Interface Cable
- Flat Panel Monitor
- Stand
- Base



Note: To attach a VESA mount, please see “Detaching the monitor stand” on page 2-7.

Product overview

This section will provide information on adjusting monitor positions, setting user controls, and using the cable lock slot.

Types of adjustments

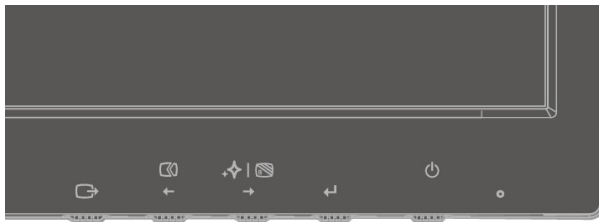
Tilt

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



User controls

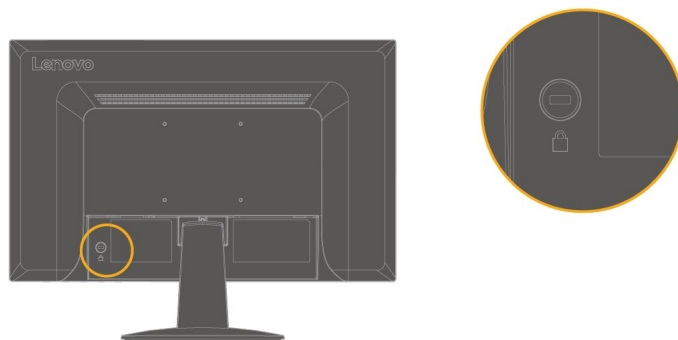
Your monitor has controls on the front which are used to adjust the display.



For information on how to use these controls, please see "Adjusting your monitor image" on page 2-3.

Cable lock slot

Your monitor is equipped with a cable lock slot located on the rear of your monitor. Please follow the instructions that came with the cable lock to attach it.



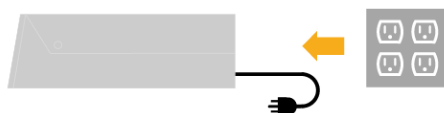
Setting up your monitor

This section provides information to help you set up your monitor.

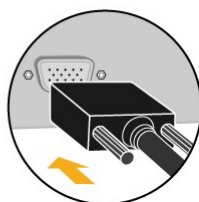
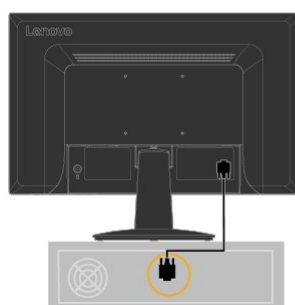
Connecting and turning on your monitor

Note: Be sure to read the Safety Information located in the Monitor Safety, troubleshooting and Warranty Guide before carrying out this procedure.

1. Power off your computer and all attached devices, and unplug the computer power cord.

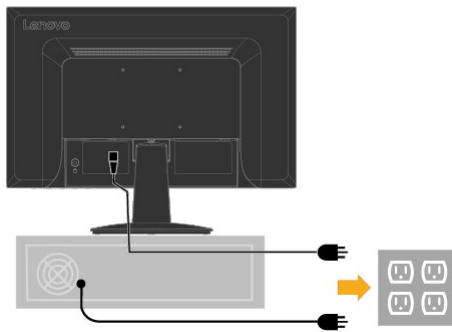


2. Connect the analog signal cable to the D-SUB connector of the monitor and the other end on the back of the computer.

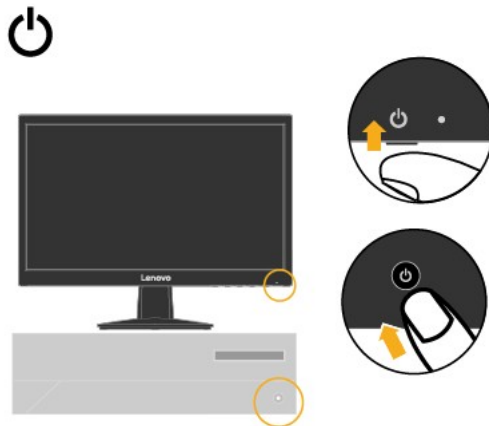


3. Plug in the monitor power cord and the computer cord into grounded electrical outlets.

Note: A certified power supply cord has to be used with this equipment. The relevant national installation and/or equipment regulations shall be considered. A certified power supply cord not lighter than ordinary polyvinyl chloride flexible cord according to IEC 60227 (designation H05VV-F 3G 0.75mm² or H05VVH2-F2 3G 0.75mm²) shall be used. Alternative a flexible cord be of synthetic rubber according to IEC 60245 (designation H05RR-F 3G 0.75mm²) shall be used.



4. Power on the monitor and the computer.



5. To install the monitor driver, you must download it from Lenovo website (www.lenovo.com/support/LI2215sD) and follow the instructions on page 3-4.

6. To optimize your monitor image, if using the analog cable, press the Automatic Image Setup key. Automatic image setup requires that the monitor is warmed up for at least 15 minutes.



Note: If automatic image setup does not establish the image that you prefer, perform manual image setup. See "Manual image setup" on page 3-3.

Chapter 2 Adjusting and using your monitor

This section will give you information on adjusting and using your monitor.

Comfort and accessibility

Good ergonomic practice is important to get the most from your personal computer and to avoid discomfort. Arrange your workplace and the equipment you use to suit your individual needs and the kind of work that you perform. In addition, use healthy work habits to maximize your performance and comfort while using your computer.

Arranging your work area

Use a work surface of appropriate height and available working area to allow you to work in comfort.

Organize your work area to match the way you use materials and equipment. Keep your work area clean and clear for the materials that you typically use and place the items that you use most frequently, such as the computer mouse or telephone, within the easiest reach. Equipment layout and setup play a large role in your working posture. The following topics describe how to optimize equipment setup to achieve and maintain good working posture.

- **Positioning and viewing your monitor:**

Position and adjust your computer monitor for comfortable viewing by considering the following items:

- **Viewing distance:**

Optimal viewing distances for monitors range from approximately 510mm to 760mm (20 in to 30 in) and can vary depending on ambient light and time of day. You can achieve different viewing distances by repositioning your monitor or by modifying your posture or chair position. Use a viewing distance that is most comfortable for you.

- **Monitor height:**

Position the monitor so your head and neck are in a comfortable and neutral (vertical, or upright) position. If your monitor does not have height adjustments, you might have to place books or other sturdy objects under the base of the monitor to achieve the desired height. A general guideline is to position the monitor such that the top of the screen is at or slightly below your eye-height when you are comfortably seated. However, be sure to optimize your monitor height so the line of site between your eyes and the center the monitor suits your preferences for visual distance and comfortable viewing when your eye muscles are in a relaxed state.

- **Tilt :**

Adjust the tilt of your monitor to optimize the appearance of the screen content and to accommodate your preferred head and neck posture.

- **General location:**

Position your monitor to avoid glare or reflections on the screen from overhead lighting or nearby windows.

The following are some other tips for comfortable viewing of your monitor:

- Use adequate lighting for the type of work you are performing.
- Use the monitor brightness, contrast, and image adjustment controls, if equipped, to optimize the image on your screen to meet your visual preferences.
- Keep your monitor screen clean so you can focus on the screen's contents.

Any concentrated and sustained visual activity can be tiring for your eyes. Be sure to periodically look away from your monitor screen and focus on a far object to allow your eye muscles to relax. If you have questions on eye fatigue or visual discomfort, consult a vision care specialist for advice.

Quick tips for healthy work habits

The following information is a summary of some important factors to consider to help you remain comfortable and productive while you use your computer.

- **Good posture starts with equipment setup:**

The layout of your work area and the setup of your computer equipment have a large effect on your posture while using your computer. Be sure to optimize the position and orientation of your equipment by following the tips outlined in "Arranging your work area" on page 2-1 so you can maintain a comfortable and productive posture. Also, be sure to use the adjustment capabilities of your computer components and office furniture to best suit your preferences now and as your preferences change over time.

- **Minor changes in posture can help avoid discomfort:**

The longer you sit and work in front of your computer, the more important it is to observe your working posture. Avoid assuming any one posture for an extended period of time. Periodically make minor modifications in your posture to help deter any discomforts that might arise. Make use of any adjustments that your office furniture or equipment provide to accommodate changes in posture.

- **Short, periodic breaks help ensure healthy computing:**

Because computing is primarily a static activity, it is particularly important to take short breaks from your work. Periodically, stand up in front of your work area, stretch, walk for a drink of water, or otherwise take a short break from using your computer. A short break from work gives your body a welcome change in posture and helps to ensure you remain comfortable and productive while you do work.

Accessibility information

Lenovo is committed to providing greater access to information and technology to people with disabilities. With assistive technologies, users can access information in the way most appropriate to their disability. Some of these technologies are already provided in your operating system; others can be purchased through vendors or accessed at: https://lenovo.ssbartgroup.com/lenovo/request_vpat.php





Adjusting your monitor image

This section describes the user control features used to adjust your monitor image.

Using the direct access controls

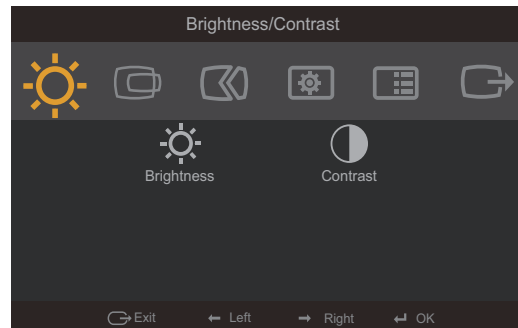
The direct access controls can be used when the On Screen Display (OSD) is not displayed.

Table 2-1. Direct access controls

| Icon | Control | Description |
|---|-----------------|--|
|  | DDC-CI | Press and hold for 10 seconds to enable or disable the DDC-CI function |
| | Exit | Exit and return to previous level |
|  | Auto Adjustment | Optimizes image (size, position, phase and clock) (For analog [VGA] source only) |
|  | Novo Vision | Hot key to fantasy mode. |
| | Low Blue Light | Press and hold for 3 seconds to enable/disable Low Blue Light. |
|  | Enter | Press to enter next level on main menu/sub menu status or enter previous level on adjustment bar |

Using the On-Screen Display (OSD) controls

The settings adjustable with the user controls are viewed through the On-Screen Display (OSD), as shown below.



To use the controls:















1. Press  to open the main OSD menu.
2. Use  or  to move among the icons. Select an icon and press  to access that function. If there is a sub-menu, you can move between options using  or , then press  to select that function. Use  or  to make adjustments. Press  to save.
3. Press  to move backwards through the sub-menus and exit from the OSD.
4. Press and hold  for 10 seconds to lock the OSD. This will prevent accidental adjustments to the OSD. Press and hold  for 10 seconds to unlock the OSD and allow adjustments to the OSD.
5. Enables DDC/CI by default. Use OSD Exit Key, press and hold the  buttons for 5 seconds to disable/enable DDC/CI function. The words " DDC/CI Disable/DDC/CI/Enable" shows on the screen.

Table 2-2. OSD functions






























| OSD Icon on Main Menu | Submenu | Description | Controls and Adjustments |
|--|--|--|--|
|  Brightness/ Contrast |  Brightness  Contrast | Adjusts overall brightness Adjusts difference between light and dark areas |     |
|  Low Blue Light |  Enable Low Blue Light | Select to enable Low Blue Light | |
| |  Disable Low Blue Light | Select to disable Low Blue Light | |
|  Image Position |  Horizontal Position  Vertical Position | Moves the image left or right. Moves the image up or Down. |   |
|  Image Setup |  Automatic | Automatically optimizes the image. | |
| |  Manual | Manually optimizes the image. See “Manual image setup” on page 3-3 <ul style="list-style-type: none"> • Clock • Phase • Save | |
|  Image Properties |  Color | Adjusts intensity of red, green, and blue. Preset mode <ul style="list-style-type: none"> • Neutral • sRGB • Reddish • Bluish Custom: <ul style="list-style-type: none"> • Red: Increases or decreases the saturation of ‘red’ in the image. • Green: Increases or decreases the saturation of ‘green’ in the image. • Blue: Increases or decreases the saturation of ‘blue’ in the image. • Save: Saves the custom colour choices. | |
| |  Scaling | <ul style="list-style-type: none"> • Original AR Same Aspect Ratio with input signal • Full Expand image to full screen | |

Table 2-2. OSD functions

| OSD Icon on Main Menu | Submenu | Description |
|--|--|---|
| |  Novo Vision | Screen Prioritization <ul style="list-style-type: none"> • Text mode • Web pic mode • Video mode • Split-screen Display |
|  Options |  Information  Menu Language | Shows resolution, refresh rate, and product details. Note: This screen does not allow any changes to the settings. This section lists the languages supported by your monitor. Note: The language chosen only affects the language of the OSD. It has no effect on any software running on the computer. |
| |  Menu Position Default Custom | Menu position adjusts menu location on the screen. Returns the menu position to the default settings. <ul style="list-style-type: none"> • Horizontal: Changes the horizontal position of the OSD • Vertical: Changes the vertical position of the OSD. • Save |
| |  Factory Default  Accessibility | <ul style="list-style-type: none"> • Cancel • Reset Resets monitor to the original factory settings. Controls button and menu settings for accessibility preferences. <ul style="list-style-type: none"> 🕒 Button repeat rate: Select ← or → to change. <ul style="list-style-type: none"> • Off • Default • Slow 🕒 Menu time out: Sets the length of time the OSD will remain active after the last time a button is pressed. |
|  Exit | | Exit the main menu |

Selecting a supported display mode

The display mode the monitor uses is controlled by the computer. Therefore, refer to your computer documentation for details on how to change display modes.

The image size, position and shape might change when the display mode changes. This is normal and the image can be readjusted using automatic image setup and the image controls.

Unlike CRT monitors, which require a high refresh rate to minimize flicker, LCD or Flat Panel technology is inherently flicker-free.

Note: If your system has previously been used with a CRT monitor and is currently configured to a display mode outside the range of this monitor, you may need to re-attach the CRT monitor temporarily until you have re-configured the system; preferably to 1920x1080 at 60Hz, which is the Native Resolution Display mode.

The display modes shown below have been optimized at the factory.

Table 2-3. Factory set display modes

| Addressability | Refresh rate |
|----------------|------------------------|
| PAL | 50Hz |
| 640x350 | 70Hz |
| 640x480 | 60Hz, 72Hz, 75Hz |
| 720x400 | 70Hz |
| 800x600 | 56Hz, 60Hz, 72Hz, 75Hz |
| 832x624 | 75Hz |
| 1024x768 | 60Hz, 70Hz, 75Hz |
| 1152x864 | 75Hz |
| 1280x1024 | 60Hz, 70Hz, 75Hz |
| 1366x768 | 60Hz |
| 1440x900 | 60Hz |
| 1600x900 | 60Hz, 75Hz |
| 1680x1050 | 60Hz |
| 1920x1080 | 60Hz |

Understanding power management

Power management is invoked when the computer recognizes that you have not using your mouse or keyboard for a user-definable period. There are several states as described in the table below.

For optimal performance, switch off your monitor at the end of each working day, or whenever you expect to leave it unused for long periods during the day.

Table 2-4. Power indicator

| State | Power Indicator | Screen | Restoring Operation | Compliance |
|---------------------|-----------------|--------|---|----------------|
| On | Steady green | Normal | | |
| Standby/ Suspend | Steady amber | Blank | Press a key or move the mouse. There may be a slight delay reappears. Note: Standby also occurs if there is no image output to the monitor. | ENERGY STAR |
| Off | Off | Off | Press power key to switch on There may be a slight delay before the image reappears. | ENERGY STAR |

Caring for your monitor

Be sure to turn off the power before you perform any maintenance on the monitor.

Do not:

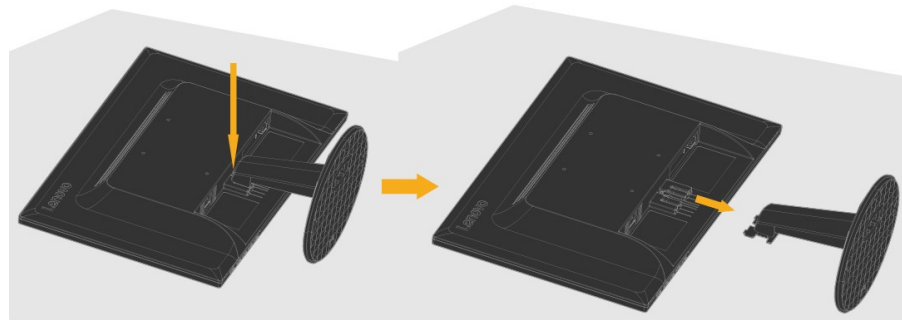
- Apply water or liquid directly to your monitor.
- Use solvents or abrasives.
- Use flammable cleaning materials to clean your monitor or any other electrical equipment.
- Touch the screen area of your monitor with sharp or abrasive items. This type of contact may cause permanent damage to your screen.
- Use any cleaner which contains an anti-static solution or similar additives. This may harm the coating of the screen area.

Do:

- Lightly dampen a soft cloth with water and use this to gently wipe the covers and the screen.
- Remove grease or finger marks with a damp cloth and a little mild detergent.

Detaching the monitor stand

1. After placing the monitor face down on a clean surface or soft cloth, push the hook of the arm to remove the stand and base from the monitor.

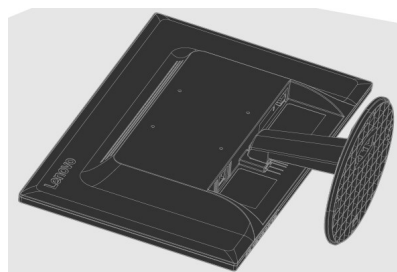


Wall Mounting(Optional)

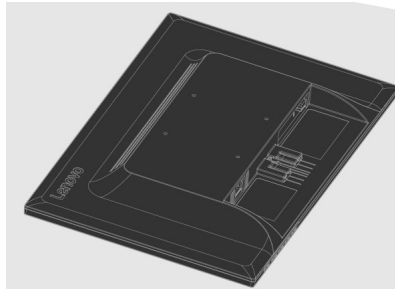
Refer to the instructions that come with the base mounting kit. To convert your LCD display from a desk-mounted to a wall-mounted display, do the following:

Step 1: Verify that the Power button is turned Off, then disconnect the power cord.

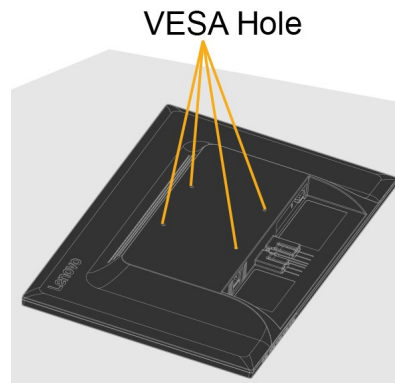
Step 2: Lay the LCD display face down on a towel or blanket.



Step 3: Remove the base and stand from the monitor, refer to "Detaching the monitor base and stand" on page 2-7".



Step 4: Attach the mounting bracket from the VESA compatible wall mounting kit (100mm x100mm distance), the type of VESA mounting screw is M4 x 10 mm.



Step 5: Attach the LCD display to the wall, and follow the instructions in the wall-mounting kit. For use only with UL Listed Wall Mount Bracket with minimum weight/load: 8kg

Chapter 3 Reference information

This section contains monitor specifications, instructions to manually install the monitor driver, troubleshooting information, and service information.

Monitor specifications

Table 3-1. Monitor specifications

| | | |
|---|---|--|
| Dimensions | Height Depth Width | 399.03 mm (15.71 in.) 190.00 mm (7.48 in.) 509.20 mm (20.05 in.) |
| Stand | Tilt range | Range: -5°/+22° |
| VESA mount | Supported | 100 mm (3.94 in.) |
| Image | Viewable image size Maximum height Maximum width Pixel pitch | 546.1 mm (21.5 in.) 268.11 mm (10.56 in.) 476.64 mm (18.77 in.) 0.2768mm(H)x0.2768 mm (V) |
| Power input | Supply voltage Max supply current | 100-240 VAC, 60/50 Hz 1.5 A |
| Power consumption Note: Power consumption figures are for the monitor and the power supply combined. | Max Consumption (Without USB hub) Typical Consumption Standby/Suspend Off | 25W 18 W ≦0.5 W ≦0.5W |
| Video input (Analog) | Input signal Horizontal addressability Vertical addressability Clock frequency | Analog Direct Drive, 75 ohm 0.7 V 1920 pixels (max) 1080 lines (max) 205 MHz |
| Communications | VESA DDC | CI |
| Altitude Test | Operation | 16404.2 ft |
| Supported Display Modes (VESA Standard modes between noted ranges) | Horizontal frequency Vertical frequency Native Resolution | VGA: 30 kHz – 83 kHz 50 Hz – 75 Hz 1920 x 1080 at 60 Hz |
| Temperature | Operating Storage Shipping | 0° to 40°C (32°F to 104° F) -20° to 60°C (-4°F to 140° F) -20° to 60°C (-4° F to 140° F) |
| Humidity | Operating Storage Shipping | 8% to 80% 10% to 90% 10% to 90% |

Troubleshooting

If you have a problem setting up or using your monitor, you might be able to solve it yourself. Before calling your dealer or Lenovo, try the suggested actions that are appropriate to your problem.

Table3-2.Troubleshooting

| Problem | Possible cause | Suggested action | Reference |
|---|--|--|--|
| The words " Out of Range" are shown on the screen, and the power indicator is flashing green. | The system is set to a display mode which is not supported by the monitor. | <ul style="list-style-type: none"> • If you are replacing an old monitor, reconnect it and adjust the display mode to within the specified range for your new monitor. • If using a Windows system, restart the system in safe mode, then select a supported display mode for your computer. • If these options do not work, contact the Customer Support Centre. | "Selecting a supported display mode" on page 2-6 |
| The image quality is unacceptable. | The video signal cable is not connected with the monitor or system completely. | Be sure the signal cable is firmly plugged into the system and monitor. | "Connecting and turning on your monitor" on page 1-3 |
| | The color settings may be incorrect. | Select another colour setting from the OSD menu. | "Adjusting your monitor image" on page 2-3 |
| | The automatic image setup function was not performed. | Perform automatic image setup. | "Adjusting your monitor image" on page 2-3 |
| The power indicator is not lit and there is no image. | <ul style="list-style-type: none"> • The monitor's power switch is not switched on. • The power cord is loose or disconnected. • There is no power at the outlet. | <ul style="list-style-type: none"> • Be sure the power cord is connected properly. • Be sure the outlet has power. • Power on the monitor. • Try using another power cord. • Try using another electrical outlet. | "Connecting and turning on your monitor" on page 1-3 |








Table3-2. Troubleshooting(continued)

| Problem | Possible cause | Suggested action | Reference |
|---|---|---|--|
| Screen is blank and power indicator is steady amber or flashing green | The monitor is in Standby/Suspend mode | <ul style="list-style-type: none"> Press any key on the keyboard or move the mouse to restore operation. Check the Power options settings on your computer. | "Understanding power management" on page 2-6 |
| The power indicator is green, but there is no image. | The video signal cable is loose or disconnected from the system or monitor. | Be sure the video cable is connected with the system properly. | "Connecting and turning on your monitor" on page 1-3 |
| | The monitor brightness and contrast are at the lowest setting. | Adjust the brightness and contrast setting on the OSD menu. | "Adjusting your monitor image" on page 2-3 |
| One or more of the pixels appear discoloured | This is a characteristic of the LCD technology and is not an LCD defect. | If there are more than five pixels missing, contact the Customer Support Centre. | Appendix A, "Service and Support," on page A-1 |
| <ul style="list-style-type: none"> Fuzzy lines in text or a blurry image. Horizontal or vertical lines through the image. | <ul style="list-style-type: none"> Image setup has not been optimized Your system Display Properties setting have not been optimized. | Adjust the resolution settings on your system to match the native resolution for this monitor: 1920x1080 at 60 Hz. | "Adjusting your monitor image" on page 2-3 "Manual image setup" |
| | | Perform automatic image setup. If automatic image setup does not help, perform manual image setup. | "Selecting a supported display mode" on page 2-6 |
| | | When working in the native resolution, you may find additional improvements by adjusting the Dots Per Inch (DPI) setting on your system. | See the Advanced section of your system's display properties. |
| The image is not acceptable when switching to dual mode | It has not set the optimum resolution for each mode | <ul style="list-style-type: none"> Use ThinkVision Duo software to optimize the dual screen operation Adjust graphic card resolution manually | "Using the direct access controls" on page 2-3 |

Manual image setup

If automatic image setup does not establish the image that you prefer, perform manual image setup.

Note: Have your monitor powered on for about 15 minutes, until the monitor warms up.


1. Press  at the bottom of the monitor to open the OSD menu.
2. Use  or  to select  and press  to access.
3. Use  or  to select Clock and Phase adjustment.

- **Clock** (pixel frequency) adjusts the number of pixels scanned by one Horizontal sweep. If the frequency is not correct, the screen shows vertical Stripes and the

picture does not have the correct width.

- **Phase** adjusts the phase of the pixel clock signal. With a wrong phase adjustment, the picture has horizontal disturbances in light picture.

4. When the image no longer looks distorted, save the Clock and Phase adjustments.

5. Press  to leave the OSD menu.

Manually installing the monitor driver

Below are steps for manually installing the monitor driver in Microsoft Windows 10, Microsoft Windows 8.1, Microsoft Windows 8, Microsoft Windows 7.

Installing the monitor driver in Windows 10

To install the device driver in Microsoft® Windows 10, do the following:

Note: You must download the driver of your operation system from the Lenovo website (www.lenovo.com/support/LI2215sD)

1. Turn off the computer and all attached devices.
2. Ensure that the monitor is connected correctly.
3. Turn on the monitor and then turn on the computer. Allow your computer to boot into Windows 10 operating system.
4. On the **Desktop**, move the mouse cursor to the small Window Icon on the lower left corner of screen and right click, then choose **Control Panel**, then double click the **Hardware and Sound** icon and then click the **Display**.
5. Click the **Change the display settings** tab.
6. Click the **Advanced Settings** icon.
7. Click the **Monitor** tab.
8. Click the **Properties** button.
9. Click the **Driver** tab.
10. Click **Update Driver**, then click Browse the computer to find the driver program.
11. Select Pick from the list of device driver program on the computer.
12. Click the **Have Disk** button. Click the **Browse** button and navigate to the directory that you put your download drivers in.
13. Select the "**LI2215sD.inf**" file and click the Open button. Click the OK button.
14. Select **LI2215sD** and click **Next**. The files will be copied from the directory to your hard disk drive.
15. Restart the system. The system will automatically select the maximum refresh rate and corresponding Colour Matching Profiles.

The system will automatically select the maximum refresh rate and corresponding color matching profiles.

Note: On LCD monitors, unlike CRTs, a faster refresh rate does not improve display quality.

Lenovo recommends using either 1920 x 1080 at a refresh rate of 60 Hz, or 640 x 480 at refresh rate of 60 Hz.

Installing the monitor driver in Windows 8.1

To install the device driver in Microsoft® Windows 8.1, do the following:

Note: You must download the driver of your operation system from the Lenovo website (www.lenovo.com/support/LI2215sD)

1. Turn off the computer and all attached devices.
2. Ensure that the monitor is connected correctly.
3. Turn on the monitor and then turn on the computer. Allow your computer to boot into Windows 8.1 operating system.
4. On the **Desktop**, move mouse to low-right corner of screen, choose **Setting**, double click **Control Panel**, and then double click the icon of **Hardware and Sound**, and then clicking **Display**.
5. Click the **Change the display settings** tab.
6. Click the **Advanced Settings** icon.
7. Click the **Monitor** tab.
8. Click the **Properties** button.
9. Click the **Driver** tab.
10. Click **Update Driver**, then click Browse the computer to find the driver program.
11. Select Pick from the list of device driver program on the computer.
12. Click the **Have Disk** button. Click the **Browse** button and navigate to the directory that you put your download drivers in.
13. Select the "**LI2215sD.inf**" file and click the Open button. Click the OK button.
14. Select **LI2215sD** and click **Next**. The files will be copied from the directory to your hard disk drive.
15. Restart the system. The system will automatically select the maximum refresh rate and corresponding Colour Matching Profiles.

The system will automatically select the maximum refresh rate and corresponding color matching profiles.

Note: On LCD monitors, unlike CRTs, a faster refresh rate does not improve display quality.

Lenovo recommends using either 1920 x 1080 at a refresh rate of 60 Hz, or 640 x 480 at refresh rate of 60 Hz.

Installing the monitor driver in Windows 8

To use the Plug and Play feature in Microsoft Windows 8, do the following:

Note: You must download the driver of your operation system from the Lenovo website
(www.lenovo.com/support/LI2215sD)

1. Turn off the computer and all attached devices.
2. Ensure that the monitor is connected correctly.
3. Turn on the monitor and then turn on the computer. Allow your computer to boot into Windows 8 operating system.
4. On the **Desktop**, move mouse to low-right corner of screen, choose **Setting**, double click **Control Panel**, then double click the icon of **Hardware and Sound**, and then clicking **Display**.
5. Click the **Change the display settings** tab.
6. Click the **Advanced Settings** icon.
7. Click the **Monitor** tab.
8. Click the **Properties** button.
9. Click the **Driver** tab.
10. Click **Update Driver**, then click Browse the computer to find the driver program.
11. Select Pick from the list of device driver program on the computer.
12. Click the **Have Disk** button. Click the **Browse** button and navigate to the directory that you put your download drivers in.
13. Select the "**LI2215sD.inf**" file and click the Open button. Click the OK button.
14. Select **LI2215sD** and click **Next**. The files will be copied from the directory to your hard disk drive.
15. Restart the system. The system will automatically select the maximum refresh rate and corresponding Colour Matching Profiles.

The system will automatically select the maximum refresh rate and corresponding color matching profiles.

Note: On LCD monitors, unlike CRTs, a faster refresh rate does not improve display quality. Lenovo recommends using either 1920 x 1080 at a refresh rate of 60 Hz, or 640 x 480 at a refresh rate of 60 Hz.

Installing the monitor driver in Windows 7

To use the Plug and Play feature in Microsoft Windows 7, do the following:

Note: You must download the driver of your operation system from the Lenovo website
(www.lenovo.com/support/LI2215sD)

1. Turn off the computer and all attached devices.
2. Ensure that the monitor is connected correctly.
3. Turn on the monitor and then turn on the computer. Allow your computer to boot into Windows 7 operating system.
4. Open the **Display Properties** window by clicking **Start, Control Panel** and then click the **Hardware and Sound** icon.
5. Click the **Display** icon.
6. Click the **Adjust Resolution** button.
7. Click the **Advanced Settings** button.
8. Click the **Monitor** tab.
9. Click the **Properties** button.
10. Click the **Driver** tab.
11. Open the "**Update Driver Software-Generic PnP Monitor**" window by clicking on **Update Driver** and then click the "**Browse my computer for driver software**" button.
12. Select "**Let me pick from a list of device drivers on my computer**".
Click the **Have Disk** button. Click the **Browse** button and navigate to the directory that you put your download drivers in.
13. Select the "**LI2215s.inf**" file and click the **Open** button. Click the **OK** button.
14. Select **LI2215sD** and click **Next**. The files will be copied from the directory to your hard disk drive.
15. Restart the system. The system will automatically select the maximum refresh rate and corresponding Colour Matching Profiles.

The system will automatically select the maximum refresh rate and corresponding color matching profiles.

Note: On LCD monitors, unlike CRTs, a faster refresh rate does not improve display quality. Lenovo recommends using either 1920 x 1080 at a refresh rate of 60 Hz, or 640 x 480 at a refresh rate of 60 Hz.

Service information

Customer responsibilities

The warranty does not apply to a product which has been damaged due to accident, misuse, abuse, improper installation, usage not in accordance with product specifications and instructions, natural or personal disaster, or unauthorized alterations, repairs or modifications.

The following are examples of misuse or abuse and not covered by warranty:

- Images burned on to the screen of a CRT monitor. Burned image is preventable by utilizing a moving screen saver or power management.
- Physical damage to covers, bezel, base and cables.
- Scratches or punctures on monitor screens.

Getting further help

If you still can't solve your problem, please contact the Customer Support Center. For more information on contacting the Customer Support Center, please see Appendix A, "Service and Support," on page A-1.

Appendix A Service and Support

The following information describes the technical support that is available for your product, during the warranty period or throughout the life of your product. Refer to the Lenovo Limited Warranty for a full explanation of Lenovo warranty terms.

Registering your option

Register to receive product service and support updates, as well as free and discounted computer accessories and content. Go to: <http://www.lenovo.com/register>

Online technical support

Online technical support is available during the lifetime of a product at:
<http://www.lenovo.com/support>

Product replacement assistance or exchange of defective components also is available during the warranty period. In addition, if your option is installed in a Lenovo computer, you might be entitled to service at your location. A Lenovo technical support representative can help you determine the best alternative.

Telephone technical support

Installation and configuration support through the Customer Support Center will be available until 90 days after the option has been withdrawn from marketing. After that time, the support is cancelled, or made available for a fee, at Lenovo's discretion. Additional support is also available for a nominal fee.

Before contacting a Lenovo technical support representative, please have the following information available: option name and number, proof of purchase, computer manufacturer, model, serial number and manual, the exact wording of any error message, description of the problem, and the hardware and software configuration information for your system.

Your technical support representative might want to walk you through the problem while you are at your computer during the call.

Telephone numbers are subject to change without notice. The most up-to-date telephone list for Lenovo Support is always available at: <http://www.lenovo.com/support>

| Country or Region | Telephone Number |
|-------------------|-------------------------|
| China | 800-810-8888 |
| | 400-810-8888 |
| South Africa | 800982393 |
| Argentina | 0800-444-2722(Spanish) |
| Australia | 1300-557-073 |
| Austria | 800295730(German) |
| Belgium | 80076524(French, Dutch) |
| Bolivia | 800-100-764(Spanish) |

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Lenovo encourage owners of information technology (IT) equipment to responsibly recycle their equipment when it is no longer needed. Lenovo offers a variety of programs and services to assist equipment owners in recycling their IT products. For information on recycling Lenovo products, go to:

<http://www.lenovo.com/lenovo/environment/recycling>

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Collecting and recycling a disused Lenovo computer or monitor

If you are a company employee and need to dispose of a Lenovo computer or monitor that is the property of the company, you must do so in accordance with the Law for Promotion of Effective Utilization of Resources. Computers and monitors are categorized as industrial waste and should be properly disposed of by an industrial waste disposal contractor certified by a local government. In accordance with the Law for Promotion of Effective Utilization of Resources, Lenovo Japan provides, through its PC Collecting and Recycling Services, for the collecting, reuse, and recycling of disused computers and monitors. For details, visit the Lenovo Web site at

www.ibm.com/jp/pc/service/recycle/pcrecycle/. Pursuant to the Law for Promotion of Effective Utilization of Resources, the collecting and recycling of home-used computers and monitors by the manufacturer was begun in October 1, 2003. This service is provided free of charge for home-used computers sold after October 1, 2003. For details, visit the Lenovo Web site at:

www.ibm.com/jp/pc/service/recycle/personal/.

Disposing of Lenovo computer components

Some Lenovo computer products sold in Japan may have components that contain heavy metals or other environmental sensitive substances. To properly dispose of disused components, such as a printed circuit board or drive, use the methods described above for collecting and recycling a disused computer or monitor.

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