

# ViewSonic®



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## **VG2248** **Display** **User Guide**

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**IMPORTANT:** Please read this User Guide to obtain important information on installing and using your product in a safe manner, as well as registering your product for future service. Warranty information contained in this User Guide will describe your limited coverage from ViewSonic Corporation, which is also found on our web site at <http://www.viewsonic.com> in English, or in specific languages using the Regional selection box in the upper right corner of our website. "Antes de operar su equipo lea cuidadosamente las instrucciones en este manual"

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**Model No. VS17350**  
**P/N: VG2248**

# Thank you for choosing ViewSonic

As a world leading provider of visual solutions, ViewSonic is dedicated to exceeding the world's expectations for technological evolution, innovation, and simplicity. At ViewSonic, we believe that our products have the potential to make a positive impact in the world, and we are confident that the ViewSonic product you have chosen will serve you well.

Once again, thank you for choosing ViewSonic !



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# 1. Cautions and Warnings

1. Read these instructions completely before using the equipment.
2. Keep these instructions in a safe place.
3. Heed all warnings and follow all instructions.
4. Sit at least 18" / 45cm from the monitor.
5. When installing the monitor, please leave 10cm of open space around the monitor for ventilation safety purposes.
6. Always handle the display with care when moving it.
7. Exercise caution when removing the rear cover of the monitor. This monitor contains high-voltage parts.
8. Do not use this equipment near water. To reduce the risk of fire or electric shock, do not expose the monitor to rain or moisture.
9. Avoid exposing the monitor to direct sunlight or other sources of sustained heat. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that may increase the temperature of the monitor to dangerous levels.
10. Clean with a soft, dry cloth. If further cleaning is required, see "Cleaning the Display" in this guide for further instructions.
11. Avoid touching the screen. Skin oils are difficult to remove.
12. Do not touch, rub or apply pressure to the monitor screen, as it may permanently damage the screen.
13. Place the monitor in a well-ventilated area. Do not place anything on the display that prevents heat dissipation.
14. Do not place heavy objects on the display, video cable, or power cord.

15. If smoke appears, an abnormal noise, or a strange odor is present, immediately switch the display off and call your dealer or ViewSonic. It is dangerous to continue using the display.
16. Do not attempt to circumvent the safety provisions of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the plug does not fit into your outlet, obtain an adaptor and do not attempt to force the plug into the outlet.
17. When connecting to a power outlet, DO NOT remove the ground prong. Please ensure grounding prongs are NEVER REMOVED.
18. Protect the power cord from being treaded upon or pinched, particularly at the plug, and at the point where it emerges from the equipment. Be sure that the power outlet is located near the equipment so that it is easily accessible.
19. Only use attachments/accessories specified by the manufacturer.
20. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the equipment. When a cart is used, use with caution when moving the cart/equipment combination to avoid injury from tipping over.
21. Unplug this equipment when it will be unused for long periods of time.



22. Refer all servicing to qualified service personnel. Service will be required when the unit has been damaged in any way, such as: if the power-supply cord or plug is damaged, if liquid is spilled onto or objects fall into the unit, if the unit is exposed to rain or moisture, or if the unit does not operate normally or has been dropped.
23. Excessive sound pressure from ear-/headphones can cause hearing damage /hearing loss.
24. Adjustment of the volume control as well as the equalizer may increase the ear-/ headphones output voltage and therefore, the sound volume level.
25. The factors influencing the ear-/headphones output other than those specified by the manufacturer (e.g. operating system, equalizer software, firmware, driver) may increase the ear-/ headphone output voltage and therefore, the sound volume level.
26. **NOTICE: MONITOR MAY OVERHEAT AND SHUT DOWN!**  
If monitor shut down, please reboot your monitor. After reboot, test the new Max Refresh rate by enabling it in the NVIDIA Control Panel.  
If you don't see an image, please disconnect the DP cable and use the monitor OSD to try again with a safer Max Refresh.

## 2. Getting Started

Should problems arise and the product you have purchased needs to be returned for any reason, please keep the original packaging, registration form, and receipt. Having these items will make it easier for you to verify your product and repair, refund and/or return your product to you.

If you have any problems with your product or questions that have not been addressed in the User Guide, please contact customer service for help.

Important! Save the original box and all packing material for your future shipping needs.

**NOTE:** The word “Windows” in this user guide refers to Microsoft Windows operating system.



## 2-1. Package Contents

Your monitor package includes:

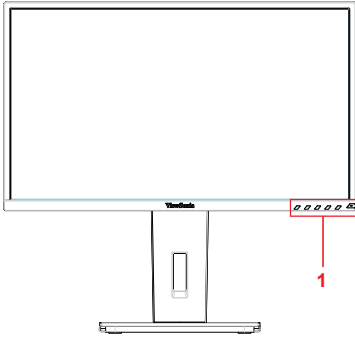
- Monitor
- Power cord
- Video cable<sup>1</sup>
- USB cable
- Quick Start Guide

### **NOTE:**

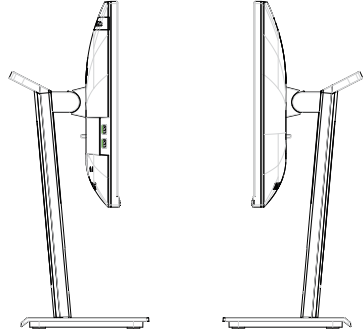
<sup>1</sup> The video cables included in your package may vary depending on your country. Please contact your local reseller for more information.

## 2-2. The Exterior of the Monitor

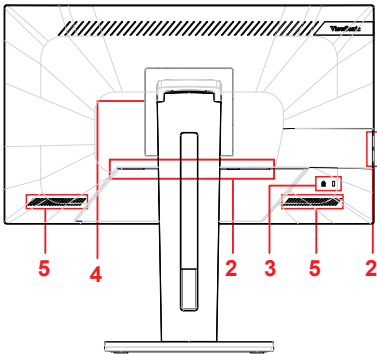
### A. Front



### B. Left and Right



### C. Rear

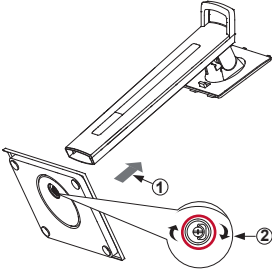


1. Control panel (Expanded in 3-1)
2. I/O port (input/output) This area should include all I/O connection options, as well as the power input connector (Expanded in 2-4)
3. Kensington security slot (Expanded in 2-3 section G)
4. This is the VESA wall mounting area on the back of the moitor\*. For the VESA wall mounting installation steps, please see 2-3 section F for additional instructions.  
\*VESA wall mount capability varies depending on model: some models will not have VESA wall mounting capability.
5. Speaker

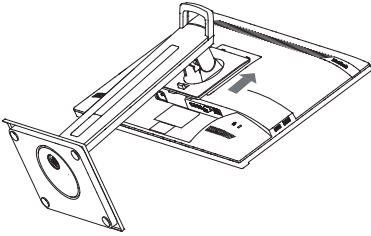
# 2-3. Hardware Installation

## A. Base Attachment Procedure

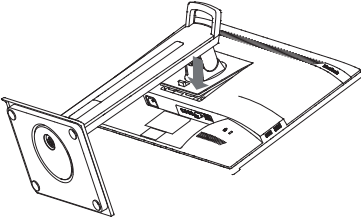
1



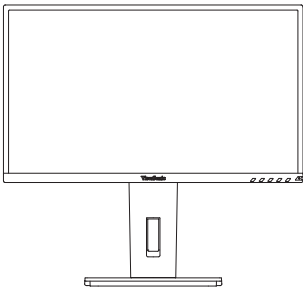
2



3

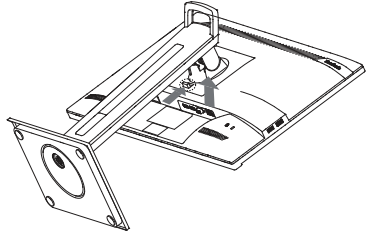


4

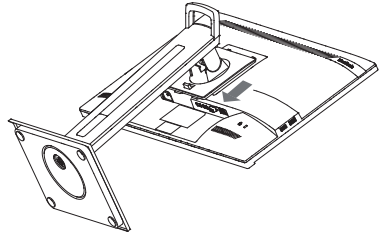


## B. Base Removal Procedure

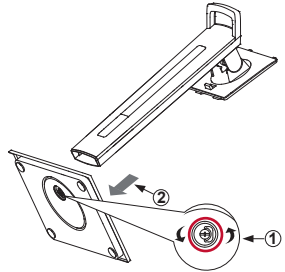
1



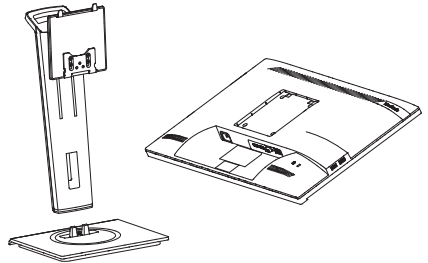
2



3

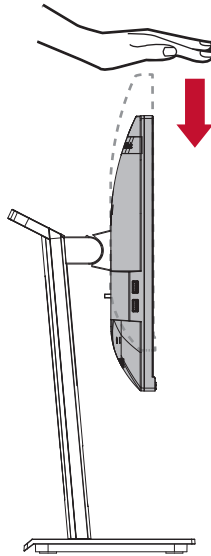


4



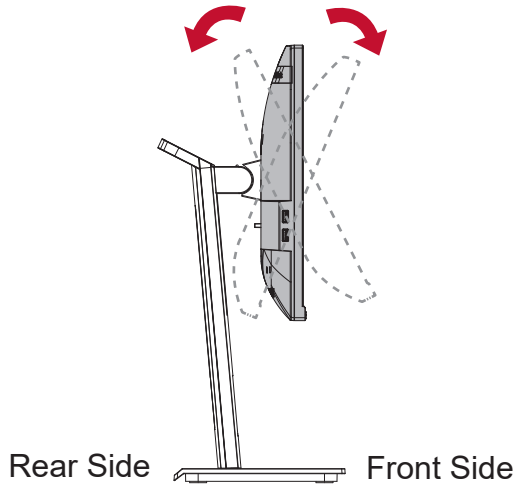
## C. Adjusting the Monitor's Height

- Push the top of the monitor downward until it is at the desired viewing height for use.
- You can also pull the monitor back up, to the desired viewing height for use.



## D. Adjusting the Angle

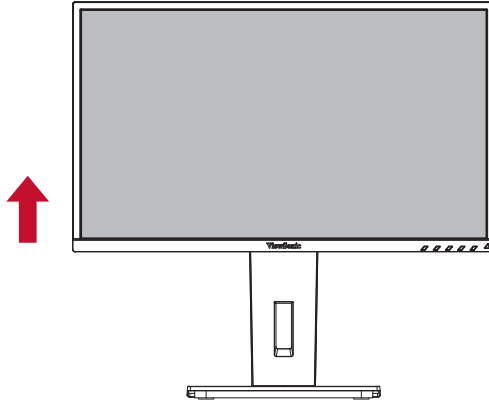
- After adjusting the monitor's height, stand in front of the monitor so it is centered in front of you.
- The angle of the screen can be adjusted by moving the panel, angling it forward or back.



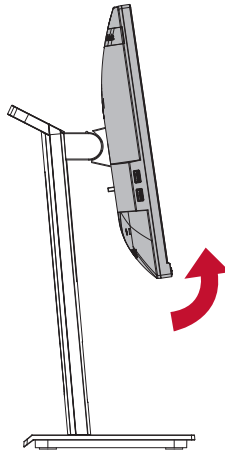
\*Adjustment angles vary depending on each individual model.

## E. Pivot Feature

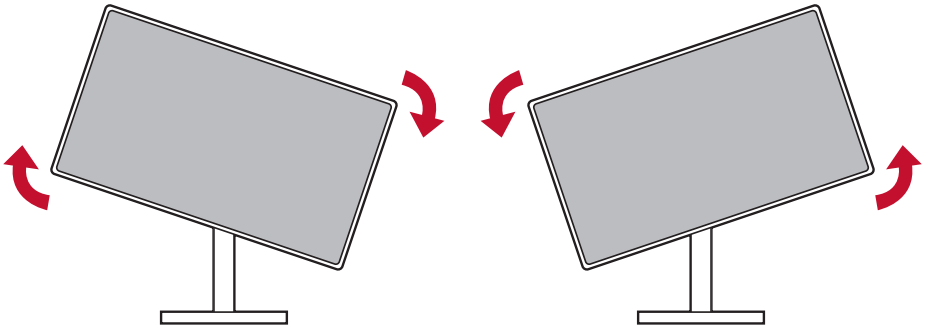
1. Lift/raise the monitor as high as it can go (max height).



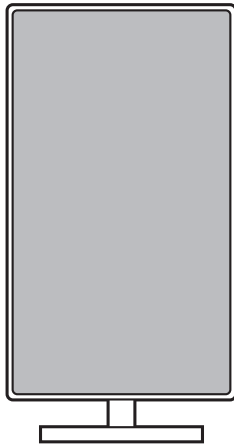
2. Adjust the monitor, angling the top back and pull the bottom forward (see the below picture for reference).



3. Rotate the monitor clockwise and counterclockwise, (see the below picture for reference).



4. Finish the monitor installation by fully rotating the monitor 90°(see the below picture for reference).



\*This picture is for reference only

## F. Wall Mounting (Optional)

**NOTE:** For use only with a UL Listed Wall Mount Bracket.

To obtain a wall-mounting kit or height adjustment base, contact ViewSonic® or your local dealer. Refer to the instructions that come with the base mounting kit. To convert your display from a desk-mounted to a wall-mounted display, do the following:

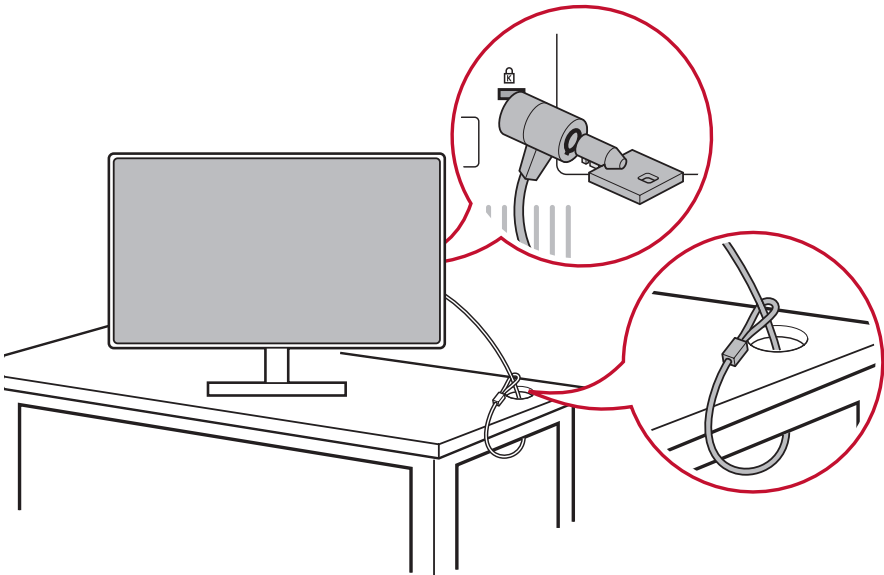
1. Find VESA compatible wall-mounting kit which meets the quaternions below,
2. Verify that the power button is turned Off, then disconnect the power cord.
3. Lay the display face down on a towel or blanket.
4. Remove the base. (Screws removal might be required.)
5. Attach the mounting bracket from the wall mounting kit using screws of the appropriate length.
6. Attach the display to the wall, following the instructions in the wall-mounting kit.



## G. Using the security slot

The security slot is located on the back side of the monitor. For more information on installation and usage, please refer to the user guide of the security slot you applied.

Below is an example of setting up the security slot on a table for your reference.

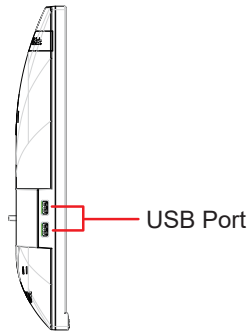
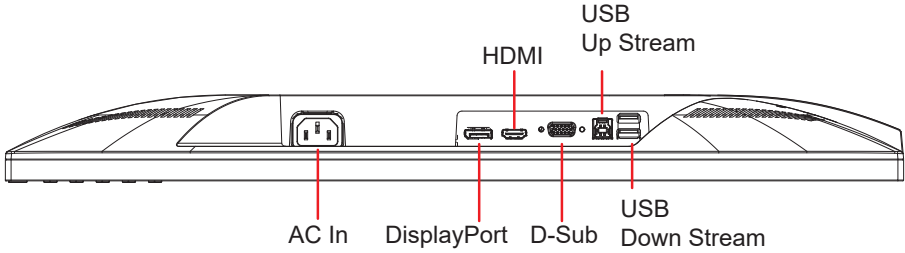


\*This picture is for reference only

## 2-4. Quick Installation

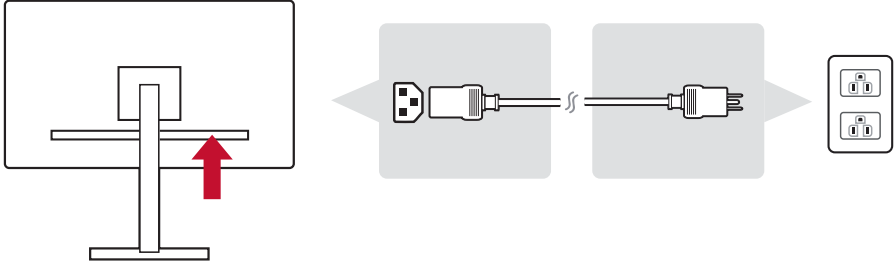
### Connect Video Cable

1. Make sure both the LCD monitor and computer are turned OFF.
2. Remove rear panel covers if necessary.
3. Connect the video cable from the LCD monitor to the computer.



## A. Power Cable (and AC/DC adapter if required)

Connect the female connector of AC power cord to the power connector of monitor, and the AC plug of AC power cord to the AC outlet.



## B. Video and Audio Cable

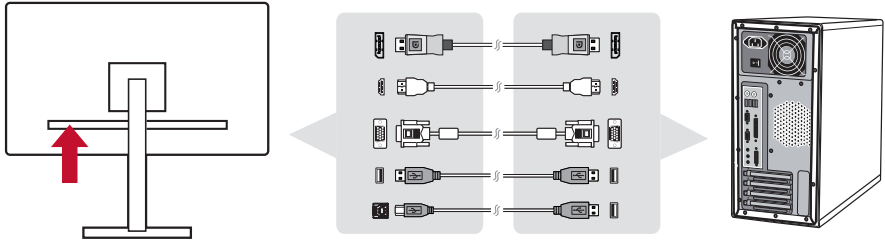
Connect one end of the DisplayPort cable to the DisplayPort or mini DP connector on the rear of the monitor\*. And connect the other end of the DisplayPort cable to the DisplayPort or mini DP connector on the computer.

For a computer or other source device with HDMI output, connect the HDMI cable to the HDMI connector on the rear of the monitor and the HDMI port of the computer or source device.

For a MAC with Thunderbolt output, connect the mini DP end of the “mini DP to DisplayPort cable” to the Thunderbolt output of MAC. And connect the other end of the cable to the DisplayPort connector on the rear of the monitor.

\*This picture is for reference only

\* Please do not connect the DP out on the monitor to the DisplayPort or mini DP connector on the computer. DP out is used for daisy chain connection (Explained in section D)

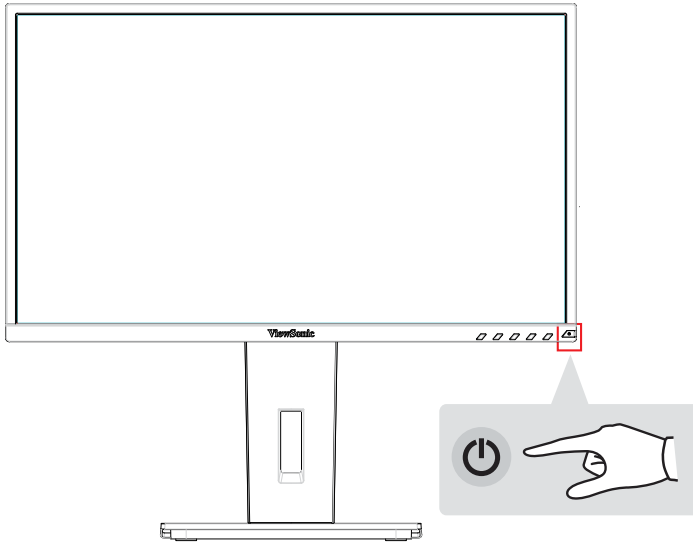


\*This picture is for reference only

## 2-5. Power On

### Turn On LCD Monitor and Computer

Turn ON the LCD Monitor, then turn ON the computer. This particular order (LCD monitor before computer) is important.



**NOTE:** Windows users may receive a message asking them to install the INF file.

### Windows Users: Set the Timing Mode

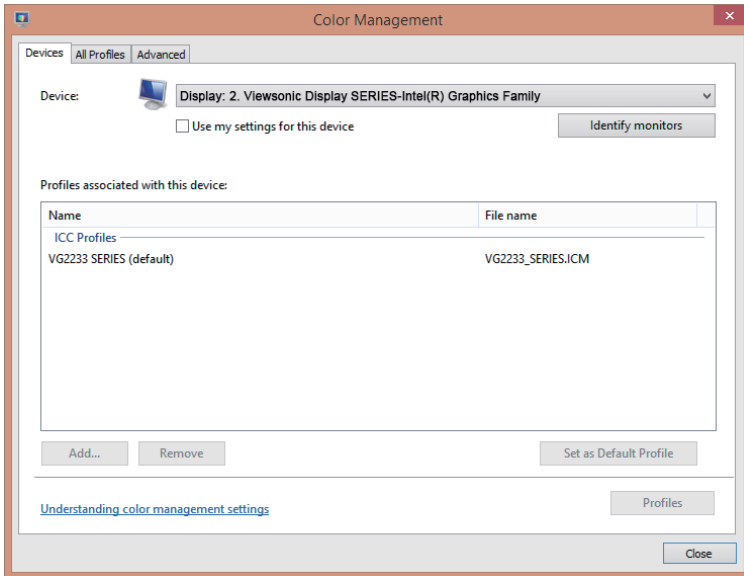
For instructions on changing the resolution and refresh rate, see the graphics card's user guide.

\*This picture is for reference only

## 2-6. Driver Installation (Windows 10 Setup)

In order to install the driver, first connect your monitor to your PC, boot up your PC (make sure to first turn on the monitor first) and make sure your internet is available. When the PC has finished booting up, your PC should auto- detect the monitor.

To ensure auto-detection is successful, go to 'Advanced Display Settings' under your system 'Display Settings' (screen resolution) window. There you can verify your ViewSonic monitor has been recognized by your PC in the 'Color Management' section of your advanced settings.



\*This picture is for reference only

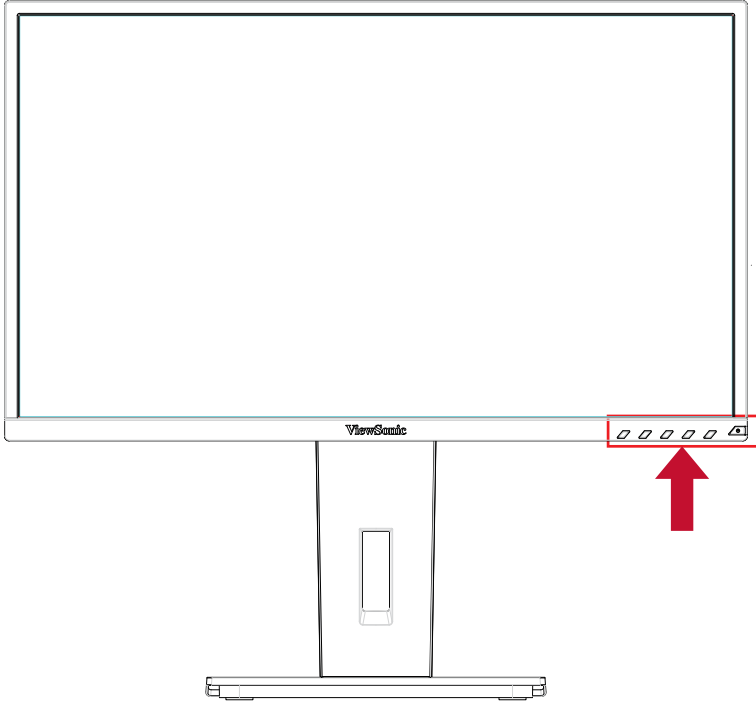
If your PC has not auto-detected the monitor, but is still functioning, you can download the driver from ViewSonic website and install it then restart your computer and follow the steps above again. It is not imperative for your computer to detect the monitor for normal use, but it is recommended.

If you encounter additional problems or have questions, please contact Customer Support.

# 3. Adjusting the Screen Image

## 3-1. Using the Control Panel

Use the buttons on the front or rear control panel to display and adjust OSD.....



## Bezel & OSD symbol explanation

The bezel symbol explanation is stated below:

Standby Power On/Off



**NOTE:** Power light  
Blue = ON  
Orange = Power Saving



View Mode icon that allows users to choose which View mode setting they would like to activate for monitor use.



Display the Menu by pressing any Function button.



## The OSD Menu and OSD Quick-Menu Symbol explanations and their functional uses are stated below.



Activation symbol to turn the various modes on when operating the menu system.



Activation symbol to exit, go back or deactivate the desired function that is selected.



Scrolls through menu options and adjusts the monitor controls.



Symbol used to go back or revert back to the previously selected menu



Information shortcut select button, which gives users access to the information of the monitor currently in use.



Main menu icon that allows users to access the main menu. Hold down the icon for a few seconds to turn off the main menu




Left and right icons toggle your selected choice horizontally.












OSD quick menu selector, which increases or decreases the currently selected function

## The Quick-Menu symbol explanation is stated below:



1. To display the Quick Menu, press any one of the button on the slim bezel [  ].  
**NOTE:** All OSD menus and adjustment screens disappear automatically after about 15 seconds. This is adjustable through the OSD timeout setting in the setup menu.
2. After pressing one of the squares, you will see options appear for quick access.

				
Viewmode	Contrast/ Brightness Option	Input Select Option	Main Menu Access	Exit

3. After the desired menu control is selected, use the     symbols to navigate and adjust the monitor to your specified preference.  
Each menu function is explained in further detail in 4-2 OSD Explanation.
4. To save the adjustments and exit, press [**X**] until the OSD disappears.

## 3-2. Monitor Optimization

- Adjust the computer's graphics card to support a recommended timing mode (refer to "Specifications" page for recommended resolution setting specific to your LCD monitor). To find instructions on "changing the refresh rate", please refer to the graphics card's user guide.

## 3-3. Setting the Timing Mode

Setting the timing mode is important for maximizing the quality of the screen image and minimizing eye strain. The timing mode consists of the resolution (example 1920 x 1080P) and refresh rate (or vertical frequency; example 60 Hz). After setting the timing mode, use the OSD (On-screen Display) controls to adjust the screen image.

For optimal picture quality, please use the recommended timing mode specific to your LCD monitor listed on the "Specification" page.

To set the Timing Mode:

- Please see your graphics card manager for adjusting the resolution and refresh rate.

## **Set up your widescreen LCD**

Set your monitor resolution to its native resolution to get the best experience possible, with brilliant color and crisp text. Here is how:

1. Go to your display resolution settings window (each operating system will have a different process to get there).
2. Next, adjust the display resolution setting to match your monitor's native resolution. This will provide you with your best usage experience.

If you have difficulty setting the resolution or you do not see 1920x1080 as an available option, you may need a newer video card driver. Contact your computer or video card manufacturer to obtain the latest driver.

## **3-4. Additional Software Installation (Optional)**

1. Load the ViewSonic CD on your CD/DVD drive.
2. Double click on the "Software" folder and choose an application, if desired.
3. Double click on the .exe file or .pkg file and follow the onscreen instructions to complete the simple installation for each additional software/application.
4. If your PC did not come with CD/DVD drive, please visit <https://www.viewsonic.com> for more VG series information. You can download VG exclusive applications from the website.

# 4. OSD Menu Introduction

## 4-1. OSD Menu Tree

For an explanation of the OSD tree and pertaining functions, please refer to the 4-2 OSD explanation below. The OSD tree visually represents the complete OSD menu that can be accessed by your monitor. If you aren't sure where an option/function is or cannot locate a specific feature, please utilize the OSD tree below.

Startup Menu			
ViewMode	Office	Web	
		Text	
		CUSTOM 1	
		CUSTOM 2	
		CUSTOM 3	
	Movie		
	Mac		
	Mono		
	Game	FPS1	
		FPS2	
RTS			
MOBA			
Startup Menu	ViewMode	Office	(Web/Text/CUSTOM 1,2,3)
		Movie	
		Mac	
		Mono	
		Game	(FPS1/FPS2/RTS/ MOBO)
	Contrast/Brightness	Contrast (-/+)	
		Brightness (-/+)	
	Input Select	D-Sub	
		HDMI	
		DisplayPort	
	Main Menu	Menu OSD table detail items	
	Exit		

Menu						
Input Select	D-Sub					
	HDMI					
	DisplayPort					
Audio Adjust	Volume	0-100				
	Mute	On				
		Off				
ViewMode	Off					
	Office	Web				
		Text				
		Custom 1, 2, 3	Low Input Lag		On/Off	
			Black Stabilization		0-100	
			Advanced DCR		0-100	
			Blue Light Filter		0-100	
			Response Time		Standard/ Advanced/Ultra Fast	
			Hue		Red/Green/Blue/ Cyan/Magenta/ Yellow (0-100)	
			Saturation		Red/Green/Blue/ Cyan/Magenta/ Yellow (0-100)	
			Rename			
	Recall					
	Movie					
	Mac					
Mono						
Game	FPS 1					
	FPS 2					
	RTS					
	MOBA					

## Menu

Color Adjust	Contrast/ Brightness	Contrast	0-100			
		Brightness	0-100			
	Color Temperature	Bluish				
		Cool				
		Native				
		Warm				
		User Color	Red		0-100	
			Green		0-100	
	Blue			0-100		
	Color Space	Auto				
		RGB				
		YUV				
	Color Range	Auto				
		Full Range				
		Limited Range				
	Gamma	1.8				
2.0						
2.2						
2.4						
2.6						
2.8						
Manual Image Adjust	Auto Image Adjust					
	Horizontal Size	0-100				
	H./V. Position	Horizontal Position	0-100			
		Vertical Position	0-100			
	Fine Tune	0-100				
	Sharpness	0-100				
	Aspect Ratio	4:3				
		Full Screen				
Overscan	On					
	Off					

## Menu

Setup Menu	Language	English		
		Français		
		Deutsch		
		Español		
		Italiano		
		Suomi		
		Русский		
		Türkçe		
		日本語		
		한국어		
		繁體中文		
		简体中文		
		Czech		
		Svenska		
	Resolution Notice	On		
		Off		
	Information	(Information message)		
	OSD Timeout	0-60		
	OSD Background	On		
		Off		
	OSD Pivot	0°		
		90°		
		-90°		
	Power Indicator	On		
		Off		
Auto Power Off	On			
	Off			
Sleep	30 Minutes			
	45 Minutes			
	60 Minutes			
	120 Minutes			
	Off			



Menu				
Setup Menu	ECO Mode	Standard		
		Optimize		
		Conserve		
	DisplayPort 1.2	On		
		Off		
	DDC/CI	On		
		Off		
	Auto Detect	On		
		Off		
	ALL Recall			

## 4-2. OSD Menu Explanation

**NOTE:** The OSD menu items listed in this section indicate the entire OSD items of all models. Some of these items may not exist in your product OSD. Please disregard OSD menu item explanations if they do not exist in your OSD Menu. Please refer to the 4-1 OSD Tree (above), for your monitor's available OSD menu items. Please refer to the OSD explanation below (in alphabetical order), for a clearer explanation of what each function does.

### **A** Audio adjust

Adjusts the volume, mutes the sound, or toggles between inputs if you have more than one source.

### **Advanced DCR**

Advanced DCR technology automatically detects the image signal and intelligently controls the backlight brightness and color, to improve on the ability to make the black blacker in a dark scene, and make the white whiter in a bright environment.

### **Auto Detect**

The Auto-Detect function is not supported by VP2771.

### **B** Black stabilization

ViewSonic's Black stabilization provides heightened visibility and detail by brightening dark scenes.

### **Blue light filter**

Adjusts the filter that blocks high-energy blue light for a safer experience for our users.

### **Brightness**

Adjusts background black levels of the screen image.

## **C Color adjust**

Provides several color adjustment modes, to help adjust the color settings to fit our users' needs.

### **Color Format**

Adjusts the color range, allowing users to adjust the range and color space in RGB and YUV color settings.

### **Color temperature**

Allows users to select specific color temperature settings to further customize their viewing experience.

Explanation	
sRGB	Standard color space used for the windows system, digital cameras and the Internet.
EBU	EBU color space used for NTSC/EBU (PAL, SECAM) TV Domain
NATIVE	Native is a default color temperature. Recommended for general graphic design and regular use.

### **Contrast**

Adjusts the difference between the image background (black level) and the foreground (white level).

### **Color adjustment functions**

To deliver precise and accurate color performance, the independent color adjustment functions (red, green, blue, cyan, magenta and yellow) allows users to customize hue and saturation for each color axis individually, without affecting the other color outputs.

## C Color Format

Monitor can detect the input signal color format automatically. You can manually change the color format options to fit the correct color format range if the colors are not displayed correctly.

Options	Explanation
Auto	Monitor automatically recognizes the color format and black white levels.
RGB (Full Range)	The input signal color format is RGB and the black white level is full
RGB (Limited Range)	The input signal color format is RGB and the black white level is limited
YUV (Full Range)	The input signal color format is YUV and the black white level is full
YUV (Limited Range)	The input signal color format is YUV and the black white level is limited

## Color Calibration

User can calibrate the monitor by ViewSonic Colorbration application with specific color sensor.

Options	Sub	Explanation
CAL1		Display with the 1 <sup>st</sup> user calibration mode
CAL2		Display with the 2 <sup>nd</sup> user calibration mode
CAL3		Display with the 3 <sup>rd</sup> user calibration mode
Calibration Notice	Reminder Schedule	Set the schedule of calibration remind message
	Counter	To show the time accumulate from last calibration
Recall		Reset the Color Calibration related settings to default

## **G** **Game mode**

Integrating a gaming-oriented OSD design including pre-calibrated FPS, RTS and MOBA gaming settings, each mode is functionally customized with in-game testing and adjustments made for the best blend of color and technology.

### **Gain**

Adjust white temperature to customize your USER COLOR (can be saved in User Mode) or a specific color temperature and gain value (red, green, blue) use this setting.

### **Gamma**

Allows users to manually adjust the brightness level of the monitor's grayscale levels. There are five selections: 1.8, 2.0, 2.2, 2.4, and 2.6.

## **H** **HUE**

Adjusts the hue of each color (red, green, blue, cyan, magenta and yellow).

### **HDR10 (High-Dynamic-Range)**

Reduces the overall contrast of a given scene so that detail in the highlights and shadows can be seen.\*

\*Only available on HDR 10 video content.

## **I Information**

Displays the timing mode (video signal input) coming from the graphics card in the computer, the LCD model number, the serial number, and the ViewSonic® website URL. See your graphics card's user guide for instructions on changing the resolution and refresh rate (vertical frequency).

**NOTE:** VESA 1024 x 768 @ 60Hz (example) means that the resolution is 1024 x 768 and the refresh rate is 60 Hertz.

## **Input select**

Toggles between the various input options that are available for that particular monitor.

## **L Low input lag**

ViewSonic offers low input lag, utilizing a monitor process reducer, which decreases signal latency. Under the low input lag submenu, you can select the appropriate speed for your desired use from the two options

## **M** Manual image adjust

Displays the Manual Image Adjust menu. You can manually set a variety of image quality adjustments.

### **Multi-picture**

Under MULTI-PICTURE MODE you can select the following settings, PBP LEFT-RIGHT, and PIP. The explanations for each setting are below.

1. QUAD WINDOWS: You can select four picture split screen type.
2. PBP TOP-BOTTOM: You can select two picture split screen types, and display two pictures side-by-sides on the top and bottom.
3. PBP LEFT-RIGHT: You can select 2 picture split screen types, and display 2 pictures side-by-side on the left and right.
4. PIP: Two picture split screen types, display large and the small pictures on the screen.
5. PIP SIZE: This controls the size of the sub-picture used in PIP.
6. PIP POSITION: This controls the position of sub-picture used in PIP mode.
7. PIP SWAP: This swaps the main-picture source and the sub-picture source.
8. SOURCE SELECT: This selects the source of the MULTI-PICTURE use in the QUAD WINDOW, PBP TOP-BOTTOM, PBP LEFT-RIGHT and PIP.

### **Memory recall**

Returns the adjustments back to factory settings if the display is operating in a factory Preset Timing Mode listed in the Specifications of this manual.

\* **Exception:** This control does not affect changes made with the Language Select or Power Lock setting

## **O** Overscan

Can be used to adjust the aspect ratio of the input signal received by your monitor to adjust the image so it appears on the monitor.

## **Offset**

Adjusts black levels for red, green and blue.

The gain and offset functions allow users to control the white balance for the upmost control when manipulating contrast and dark scenes.

## **OSD Pivot**

Set monitor OSD screen display direction.

Options	Explanation
Auto	With built-in G sensor, the OSD can auto pivot when positioned vertically.
0°	Set the OSD screen without pivot
+90°	Set the OSD screen +90° pivot
-90°	Set the OSD screen -90° pivot
180°	Set the OSD screen 180° pivot

## **P** Preset Color Mode

Monitor comes with several display industry color standards. Each color mode can be selected for specific monitor application.

Options	Explanation
sRGB	Precise color gamut and gamma of sRGB standard
EBU	Precise color gamut and gamma of European Broadcasting Union standard
SMPTE-C	Precise color gamut and gamma of SMPTE-C standard
REC709	Precise color gamut and gamma of ITU-R Rec. 709 standard
DICOM SIM	Gamma curve are set to a DICOM simulation
Native	Original color presented by the LCD panel



## **R** **Response time**

Adjusts the response time, creating smooth images without streaking, blurring or ghosting. A low response time is perfect for the most graphic-intensive gaming, and provides amazing visual quality while watching sports or action movies.

## **Resolution notice**

The notice tells users that the current viewing resolution is not the correct native resolution. This notice will appear in the display settings window, when setting up the display resolution.

## **Recall**

Resets the Veiwmode monitor settings.

## **S** **Setup menu**

Adjusts On-screen Display (OSD) settings. Many of these settings can activate on-screen display notifications so users do not have to reopen the menu.

## **Sharpness**

Adjusts the sharpness and picture quality of the monitor.

## **Save as**

The OSD save function is located in the main menu. There are 3 main positions (USER MODE 1, USER MODE 2, USER MODE3), which allows users to save their OSD settings.

## **Saturation**

Adjusts the color depth of each color (red, green, blue, cyan, magenta and yellow)

## **U** Uniformity

The Uniformity Correction function compensates any luminance and color uniformity imbalance on the screen, such as dark spots, uneven brightness, or illegible images on the screen. With the ViewSonic uniformity correction function, gray-scale levels become more balanced, and delta E scores are improved which increases reliability and provides the highest quality viewing experience from every monitor.

**NOTE:** If the uniformity function is enabled, it will reduce the overall peak luminance of the display.

## **V** ViewMode

ViewSonic's unique ViewMode feature offers "Game," "Movie," "Web," "Text," and "Mono" presets. These presets are specifically designed to deliver an optimized viewing experience for different screen applications.

## **Calculating Breaks**

When viewing the monitor for extended periods, it is recommended to take periodic breaks from viewing. Short breaks of at least 5 minutes are recommended after 1 -2 hour of continuous viewing. Taking shorter, more frequent breaks are generally more beneficial than longer, less frequent breaks.

## **Looking at distance objects**

While taking breaks, users can further reduce eye strain and dryness by focusing on objects that are further away from them.

- **Eye Exercises**

Eye exercises can help minimize eye strain. Slowly roll your eyes to the left, right, up, down and repeat as needed.

- **Neck Exercises**

Neck exercises can also help minimize eye strain. Relax your arms to let them hang at your sides, bend forward slightly to stretch the neck, turn your head to the right and to the left and repeat as needed.

## **4-3. Monitor Setting Management**

### **OSD Timeout**

The OSD Timeout function, allows users to choose how long the OSD will reside on the screen after in-activity (number of seconds).

### **OSD Background**

The OSD Background function allows users to turn off the OSD background while selecting and adjusting OSD settings.

### **Power Indicator**

The power indicator is the light that displays whether the monitor is on or off.

### **Auto Power Off**

Selecting Auto Power Off, allows the monitor to shut its power off after a certain amount of time.

### **Sleep**

This setting allows users to adjust the time of inactivity before the monitor goes on a reduced power mode. The screen will be on 'sleep mode' during this time.

### **Eco Mode**

Allows users to choose between various modes, based on power consumption.

### **DDC/CI (Display Data Channel Command Interface)**

Activating this setting allows monitor control via the graphics card.

## 5. Specifications

<b>Display</b>	Type	a-Si TFT active matrix 1920X1080LCD 0.24795 (H) x 0.24795 (V) mm pixel pitch
	Display Size	Metric: 54.6 cm Imperial: 21.5" (21.5" viewable)
	Color Filter	RGB vertical stripe
	Glass Surface	AG type, 3H hard coating, Haze 25
<b>Input Signal</b>	Video Sync	TMDS digital (100ohms) f <sub>h</sub> :24-82 kHz, f <sub>v</sub> :50-75 Hz
<b>Compatibility</b>	PC	Up to 1920 x 1080 Non-interlaced
	Macintosh	Power Macintosh up to 1920 x 1080
<b>Resolution<sup>2</sup></b>	Recommended	1920 x 1080 @ 60 Hz
	Supported	1920 x 1080 @ 60 Hz 1680 x 1050 @ 60 Hz 1440 x 900 @ 60 Hz 1280 x 1440 @ 60 Hz 1280 x 1024 @ 60, 75 Hz 1024 x 768 @ 60, 70, 75 Hz 800 x 600 @ 56, 60, 72, 75 Hz 720 x 400 @ 70 Hz 640 x 480 @ 60, 72, 75 Hz
<b>Power</b>	Input Voltage	100-240 VAC, 50/60 Hz (auto switch)
<b>Display area</b>	Full Scan	476.064 mm (H) x 267.786 mm (V) 18.74"(H) x 10.54"(V)
<b>Operating conditions</b>	Temperature	+32 °F to +104 °F (0 °C to +40 °C)
	Humidity	20% to 90% (non-condensing)
	Altitude	To 16404 feet
<b>Storage conditions</b>	Temperature	-4 °F to +140 °F (-20 °C to +60 °C)
	Humidity	5% to 90% (non-condensing)
	Altitude	To 40,000 feet
<b>Dimensions</b>	Physical	498.5 mm (W) x 502.7 mm (H) x 202.2mm (D) 19.6" (W) x 19.8" (H) x 8.0" (D)

Wall Mount	Max Loading	Hole pattern (W x H; mm)	Interface Pad (W x H x D)	Pad Hole	Screw Q'ty & Specification
	14kg	100mm x 100mm	115 mm x 115 mm x 2.6 mm	∅ 5mm	4 piece M4 x 10mm

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<b>Weight</b>	Physical	11.9 lbs (5.4 kg)
<b>Power saving modes</b>	On	23W (Typical) (Blue LED)
	Off	<0.3W

<sup>1</sup> Do not set the graphics card in your computer to exceed these timing mode; doing so may result in permanent damage to the display.

<sup>2</sup> The test condition follows EEI standard

# 6. Troubleshooting

## No power

- Make sure the power button (or switch) is ON.
- Make sure the A/C power cord is securely connected to the display.
- Plug another electrical device (like a radio) into the power outlet to verify that the outlet is supplying proper voltage.

## Power is ON but no screen image

- Make sure the video cable supplied with the display is properly secured to the video output port on the back of the computer. If the other end of the video cable is not attached permanently to the display, properly secure it to the display.
- Adjust brightness and contrast.
- If you are using an Macintosh older than G3, you need a Macintosh adapt

## Wrong or abnormal colors

- If any colors (red, green, or blue) are missing, check the video cable to make sure it is securely connected. Loose or broken pins in the cable connector could cause an improper connection.
- Connect the display to another computer.
- If you have an older graphics card, contact ViewSonic® for a non-DDC adapter.

## Control buttons do not work

- Press only one button at a time.

# 7. Cleaning and Maintenance

## Safe Cleaning Practices

- Make sure the display is turned off.
- Never spray or pour any liquid directly onto the screen or case.

### To clean the screen:

1. Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.
2. If the screen is still not clean, apply a small amount of non-ammonia, non-alcohol based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.

### To clean the case:

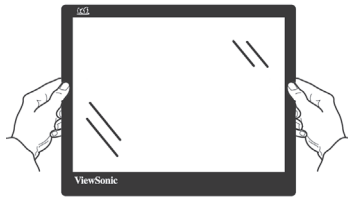
1. Use a soft, dry cloth.
2. If the case is still not clean, apply a small amount of a non-ammonia, non-alcohol based, mild non-abrasive detergent onto a clean, soft, lint-free cloth, then wipe the surface.



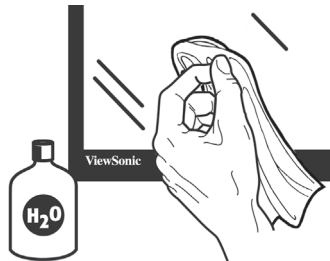
## Disclaimer

- ViewSonic® does not recommend the use of any ammonia or alcohol-based cleaners on the display screen or case. Some chemical cleaners have been reported to damage the screen and/or case of the display.
- ViewSonic will not be liable for damage resulting from use of any ammonia or alcoholbased cleaners.

## Caution:



Handle the monitor on the edges only.



Clean with water on a soft cotton cloth only.

# 8. Compliance Information

**NOTE:** This section addresses all connected requirements and statements regarding regulations. Confirmed corresponding applications shall refer to nameplate labels and relevant markings on unit.

## 8-1. FCC Compliance Statement

This device complies with part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Warning:** You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

## 8-2. Industry Canada Statement

CAN ICES-3 (B)/NMB-3(B)

## 8-3. Declaration of RoHS2 Compliance

This product has been designed and manufactured in compliance with Directive 2011/65/EU of the European Parliament and the Council on restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS2 Directive) and is deemed to comply with the maximum concentration values issued by the European Technical Adaptation Committee (TAC) as shown below:

<b>Substance</b>	<b>Proposed Maximum Concentration</b>	<b>Actual Concentration</b>
Lead (Pb)	0.1%	< 0.1%
Mercury (Hg)	0.1%	< 0.1%
Cadmium (Cd)	0.01%	< 0.01%
Hexavalent Chromium (Cr <sup>6+</sup> )	0.1%	< 0.1%
Polybrominated biphenyls (PBB)	0.1%	< 0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%	< 0.1%

**Certain components of products as stated above are exempted under the Annex III of the RoHS2 Directives as noted below:**

Examples of exempted components are:

1. Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):
  - (1) Short length ( $\leq 500$  mm): maximum 3.5 mg per lamp.
  - (2) Medium length ( $> 500$  mm and  $\leq 1,500$  mm): maximum 5 mg per lamp.
  - (3) Long length ( $> 1,500$  mm): maximum 13 mg per lamp.
2. Lead in glass of cathode ray tubes.
3. Lead in glass of fluorescent tubes not exceeding 0.2% by weight.
4. Lead as an alloying element in aluminium containing up to 0.4% lead by weight.
5. Copper alloy containing up to 4% lead by weight.
6. Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead).
7. Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezo-electronic devices, or in a glass or ceramic matrix compound.

## **8-4. Indian Restriction of Hazardous Substances**

Restriction on Hazardous Substances statement (India) This product complies with the “India E-waste Rule 2011” and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

## **8-5. Product Disposal at End of Product Life**

ViewSonic respects the environment and is committed to working and living green. Thank you for being part of Smarter, Greener Computing.

Please visit ViewSonic website to learn more.

### **USA & Canada:**

<http://www.viewsonic.com/company/green/recycle-program/>

### **Europe:**

<http://www.viewsoniceurope.com/eu/support/call-desk/>

### **Taiwan:**

<https://recycle.epa.gov.tw/>

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VESA is a registered trademark of the Video Electronics Standards Association. DPMS, DisplayPort, and DDC are trademarks of VESA.

ENERGY STAR® is a registered trademark of the U.S. Environmental Protection Agency (EPA).

As an ENERGY STAR® partner, ViewSonic Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

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# 10. Service Information

## Product Registration

Thank you for purchasing a ViewSonic product! Registering activates your product's standard Limited Warranty and entitles you to receive new product updates and information if desired.

Please complete this form to register your new product, then mail/fax to ViewSonic using the information provided on the following page. Items marked with an asterisk (\*) are required.

First Name\* (given name) \_\_\_\_\_

Last Name\* (family name) \_\_\_\_\_

Email Address\* \_\_\_\_\_

Street Address\* (line 1) \_\_\_\_\_

Street Address\* (line 2) \_\_\_\_\_

City/Country\* \_\_\_\_\_ State/Province\* \_\_\_\_\_

Zip code/Postal code\* \_\_\_\_\_ Country\* \_\_\_\_\_

Phone Number\* \_\_\_\_\_ Date Purchased\* \_\_\_\_\_

Product Type\* \_\_\_\_\_ Model Number\* \_\_\_\_\_

Serial Number\* \_\_\_\_\_

Operating System \_\_\_\_\_

YES  NO | Check "YES" to receive email communication from ViewSonic, including exclusive promotional offers.

At ViewSonic we respect your privacy. ViewSonic does not sell its customer lists or similar information to third parties.

\*Product registration available in selected countries only



# Customer Service

For technical support or product service, see the table below or contact your reseller.

**NOTE:** You will need the product serial number.

<b>Asia pacific</b>			
<b>Country/ Region</b>	<b>Website</b>	<b>T= Telephone C = CHAT ONLINE</b>	<b>Email</b>
ViewSonic Corporation	<a href="http://www.viewsonic.com.tw/">http://www.viewsonic.com.tw/</a>	T= 886 2 2246 3456 F= 886 2 2249 1751 Toll Free= 0800-899880	service@tw.viewsonic.com
China	<a href="http://www.viewsonic.com.cn">www.viewsonic.com.cn</a>	T= 4008 988 588	service.cn@cn.viewsonic.com
Hong Kong	<a href="http://www.hk.viewsonic.com">www.hk.viewsonic.com</a>	T= 852 3102 2900	service@hk.viewsonic.com
Macau	<a href="http://www.hk.viewsonic.com">www.hk.viewsonic.com</a>	T= 853 2833 8407	service@hk.viewsonic.com
Japan	<a href="http://www.viewsonicjapan.co.jp">www.viewsonicjapan.co.jp</a>	T= 0120 341 329	service@jp.viewsonic.com
Korea	<a href="http://ap.viewsonic.com/kr/">ap.viewsonic.com/kr/</a>	T= 080 333 2131	service@kr.viewsonic.com
India	<a href="http://www.in.viewsonic.com">www.in.viewsonic.com</a>	T= 1800 419 0959	service@in.viewsonic.com
Singapore/ Malaysia/ Thailand	<a href="http://www.ap.viewsonic.com">www.ap.viewsonic.com</a>	T= 65 6461 6044	service@sg.viewsonic.com
<b>Europe</b>			
Europe	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	
Arabia	<a href="http://ap.viewsonic.com/me/">ap.viewsonic.com/me/</a>	اتصل بالبايع المحلي	
България	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_bg@viewsoniceurope.com
Hrvatska	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_hr@viewsoniceurope.com
Česká Republika	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_cz@viewsoniceurope.com
Nederland	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_nl@viewsoniceurope.com
Suomi	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_fi@viewsoniceurope.com
France et autres pays francophones en Europe	<a href="http://www.viewsoniceurope.com/fr/">www.viewsoniceurope.com/fr/</a>	<a href="http://www.viewsoniceurope.com/fr/support/call-desk/">www.viewsoniceurope.com/fr/support/call-desk/</a>	service_fr@viewsoniceurope.com
Canada	<a href="http://www.viewsonic.com">www.viewsonic.com</a>	T (Numéro vert)= 1-866-463-4775	service.ca@viewsonic.com



Suisse	<a href="http://www.viewsoniceurope.com/de/">www.viewsoniceurope.com/de/</a>	<a href="http://www.viewsoniceurope.com/de/support/call-desk/">www.viewsoniceurope.com/de/support/call-desk/</a>	service_ch@viewsoniceurope.com
Belgique (Français)	<a href="http://www.viewsoniceurope.com/fr/">www.viewsoniceurope.com/fr/</a>	<a href="http://www.viewsoniceurope.com/fr/support/call-desk/">www.viewsoniceurope.com/fr/support/call-desk/</a>	service_be@viewsoniceurope.com
Luxembourg (Français)	<a href="http://www.viewsoniceurope.com/fr/">www.viewsoniceurope.com/fr/</a>	<a href="http://www.viewsoniceurope.com/fr/support/call-desk/">www.viewsoniceurope.com/fr/support/call-desk/</a>	service_lu@viewsoniceurope.com
Deutschland	<a href="http://www.viewsoniceurope.com/de/">www.viewsoniceurope.com/de/</a>	<a href="http://www.viewsoniceurope.com/de/support/call-desk/">www.viewsoniceurope.com/de/support/call-desk/</a>	service_deu@viewsoniceurope.com
Österreich	<a href="http://www.viewsoniceurope.com/de/">www.viewsoniceurope.com/de/</a>	<a href="http://www.viewsoniceurope.com/de/support/call-desk/">www.viewsoniceurope.com/de/support/call-desk/</a>	service_at@viewsoniceurope.com
Schweiz (Deutsch)	<a href="http://www.viewsoniceurope.com/de/">www.viewsoniceurope.com/de/</a>	<a href="http://www.viewsoniceurope.com/de/support/call-desk/">www.viewsoniceurope.com/de/support/call-desk/</a>	service_ch@viewsoniceurope.com
Ελλάδα	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_gr@viewsoniceurope.com
Magyar Köztársaság	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_hu@viewsoniceurope.com
Italia e altri paesi di lingua italiana in Europa	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_it@viewsoniceurope.com
Spain	<a href="http://www.viewsoniceurope.com/es/">www.viewsoniceurope.com/es/</a>	<a href="http://www.viewsoniceurope.com/es/support/call-desk/">www.viewsoniceurope.com/es/support/call-desk/</a>	service_es@viewsoniceurope.com
Latinoamérica (México)	<a href="http://www.viewsonic.com/la/">www.viewsonic.com/la/</a>	T= 001-8882328722	soporte@viewsonic.com
Italia e altri paesi di lingua italiana in Europa	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_it@viewsoniceurope.com
Polska i inne kraje Europy Centralnej	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_pl@viewsoniceurope.com
Portugal	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_pt@viewsoniceurope.com
România	<a href="http://www.viewsoinceurope.com">www.viewsoinceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_ro@viewsoniceurope.com
Россия	<a href="http://www.viewsoniceurope.com/ru/">www.viewsoniceurope.com/ru/</a>	<a href="http://www.viewsoniceurope.com/ru/support/call-desk/">www.viewsoniceurope.com/ru/support/call-desk/</a>	service_ru@viewsoniceurope.com
Беларусь (Русский)	<a href="http://www.viewsoniceurope.com/ru/">www.viewsoniceurope.com/ru/</a>	<a href="http://www.viewsoniceurope.com/ru/support/call-desk/">www.viewsoniceurope.com/ru/support/call-desk/</a>	service_br@viewsoniceurope.com
Латвия (Русский)	<a href="http://www.viewsoniceurope.com/ru/">www.viewsoniceurope.com/ru/</a>	<a href="http://www.viewsoniceurope.com/ru/support/call-desk/">www.viewsoniceurope.com/ru/support/call-desk/</a>	service_lv@viewsoniceurope.com
Srbija	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_rs@viewsoniceurope.com
Slovensko	<a href="http://www.viewsoinceurope.com">www.viewsoinceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_sk@viewsoniceurope.com
Slovenija	<a href="http://www.viewsoinceurope.com">www.viewsoinceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	service_si@viewsoniceurope.com

Sverige	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	<a href="mailto:service_se@viewsoniceurope.com">service_se@viewsoniceurope.com</a>
Türkiye	<a href="http://www.viewsoniceurope.com/tr/">http://www.viewsoniceurope.com/tr/</a>	<a href="http://www.viewsoniceurope.com/tr/support/call-desk/">www.viewsoniceurope.com/tr/support/call-desk/</a>	<a href="mailto:service_tr@viewsoniceurope.com">service_tr@viewsoniceurope.com</a>
Україна	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	<a href="http://www.viewsoniceurope.com/eu/support/call-desk/">http://www.viewsoniceurope.com/eu/support/call-desk/</a>	<a href="mailto:service_ua@viewsoniceurope.com">service_ua@viewsoniceurope.com</a>
<b>America</b>			
Australia New Zealand	<a href="http://www.viewsonic.com.au">www.viewsonic.com.au</a>	AUS= 1800 880 818 NZ= 0800 008 822	<a href="mailto:service@au.viewsonic.com">service@au.viewsonic.com</a>
Canada	<a href="http://www.viewsonic.com">www.viewsonic.com</a>	T= 1-866-463-4775	<a href="mailto:service.ca@viewsonic.com">service.ca@viewsonic.com</a>
Latin America	<a href="http://www.viewsonic.com/la/">www.viewsonic.com/la/</a>	C= <a href="https://www.viewsonic.com/la/soporte/servicio-tecnico-la/">https://www.viewsonic.com/la/soporte/servicio-tecnico-la/</a>	<a href="mailto:soporte@viewsonic.com">soporte@viewsonic.com</a>
Middle East	<a href="http://ap.viewsonic.com/me/">ap.viewsonic.com/me/</a>	Contact your reseller	<a href="mailto:service@ap.viewsonic.com">service@ap.viewsonic.com</a>
Puerto Rico & Virgin Islands	<a href="http://www.viewsonic.com">www.viewsonic.com</a>	T= 1-800-688-6688 (English) C= <a href="http://www.viewsonic.com/la/soporte/servicio-tecnico">http://www.viewsonic.com/la/soporte/servicio-tecnico</a>	<a href="mailto:service.us@viewsonic.com">service.us@viewsonic.com</a> <a href="mailto:soporte@viewsonic.com">soporte@viewsonic.com</a>
South Africa	<a href="http://ap.viewsonic.com/za/">ap.viewsonic.com/za/</a>	Contact your reseller	<a href="mailto:service@ap.viewsonic.com">service@ap.viewsonic.com</a>
United States	<a href="http://www.viewsonic.com">www.viewsonic.com</a>	T= 1-800-688-6688	<a href="mailto:service.us@viewsonic.com">service.us@viewsonic.com</a>

# Limited Warranty

## ViewSonic® Display

### **What the warranty covers:**

ViewSonic warrants its products to be free from defects in material and workmanship during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic will, at its sole option, and as your sole remedy, repair or replace the product with a similar product. Replacement Product or parts may include remanufactured or refurbished parts or components. The repair or replacement unit or parts or components will be covered by the balance of the time remaining on the customer's original limited warranty and the warranty period will not be extended. ViewSonic provides no warranty for any third-party software whether included with the product or installed by the customer, installation of any unauthorized hardware parts or components (e.g. Projector Lamps). (Please refer to: "What the warranty does not cover" section)

### **How long the warranty is effective:**

ViewSonic displays are warranted for between 1 and 3 years, depending on your country of purchase, for all parts including the light source and for all labour from the date of the first consumer purchase

### **Who the warranty protects:**

This warranty is valid only for the first consumer purchaser.

## **What the warranty excludes and does not cover:**

Any product on which the serial number has been defaced, modified or removed.

Damage, deterioration or malfunction resulting from:

1. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
2. Repair or attempted repair by anyone not authorized by ViewSonic.
3. Damage to or loss of any programs, data or removable storage media.
4. Software or data loss occurring during repair or replacement.
5. Any damage of the product due to shipment.
6. Removal or installation of the product.
7. Causes external to the product, such as electric power fluctuations or failure.
8. Use of supplies or parts not meeting ViewSonic's specifications.
9. Normal wear and tear.
10. Failure of owner to perform periodic product maintenance as stated in User Guide, such as cleaning of user-cleanable projector filters.
11. Any other cause which does not relate to a product defect.
12. Damage caused by static (non-moving) images displayed for lengthy periods of time (also referred to as image burn-in).
13. Software - Any third-party software included with the product or installed by the customer.

14. Hardware/Accessories/Parts/Components - Installation of any unauthorized hardware, accessories, consumable parts or components (e.g. Projector Lamps).
15. Damage to, or abuse of, the coating on the surface of the display through inappropriate cleaning as described in product User Guide.
16. Removal, installation, and set-up service charges, including wall-mounting of product.

### **How to get service:**

1. For information about receiving service under warranty, contact ViewSonic Customer Support (Please refer to Customer Support page). You will need to provide your product's serial number.
2. To obtain warranty service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
3. Take or ship the product freight prepaid in the original container to an authorized ViewSonic service center or ViewSonic.
4. For additional information or the name of the nearest ViewSonic service center, contact ViewSonic.

### **Limitation of implied warranties:**

There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

**Exclusion of damages:**

ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic shall not be liable for:

1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by any other party.
4. Repair or attempted repair by anyone not authorized by ViewSonic.

**Effect of state law:**

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

**Sales outside the U.S.A. and Canada:**

For warranty information and service on ViewSonic products sold outside of the U.S.A. and Canada, contact ViewSonic or your local ViewSonic dealer.

The warranty period for this product in mainland China (Hong Kong, Macao and Taiwan Excluded) is subject to the terms and conditions of the Maintenance Guarantee Card.

For users in Europe and Russia, full details of warranty provided can be found in [www.viewsoniceurope.com](http://www.viewsoniceurope.com) under Support/Warranty Information.

# Mexico Limited Warranty

## ViewSonic® Display

### **What the warranty covers:**

ViewSonic warrants its products to be free from defects in material and workmanship, under normal use, during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components & accessories.

### **How long the warranty is effective:**

ViewSonic LCD displays are warranted for between 1 and 3 years, depending on your country of purchase, for all parts including the light source and for all labour from the date of the first consumer purchase

### **Who the warranty protects:**

This warranty is valid only for the first consumer purchaser.



## **What the warranty does not cover:**

1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
  - a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, unauthorized attempted repair, or failure to follow instructions supplied with the product.
  - b. Causes external to the product, such as electrical power fluctuations or failure.
  - c. Use of supplies or parts not meeting ViewSonic's specifications.
  - d. Normal wear and tear.
  - e. Any other cause which does not relate to a product defect.
3. Any product exhibiting a condition commonly known as "image burn-in" which results when a static image is displayed on the product for an extended period of time.
4. Removal, installation, insurance, and set-up service charges.

## How to get service:

For information about receiving service under warranty, contact ViewSonic Customer Support (Please refer to the attached Customer Support page). You will need to provide your product's serial number, so please record the product information in the space provided below on your purchase for your future use. Please retain your receipt of proof of purchase to support your warranty claim.

For Your Records

Product Name: \_\_\_\_\_ Model Number: \_\_\_\_\_

Document Number: \_\_\_\_\_ Serial Number: \_\_\_\_\_

Purchase Date: \_\_\_\_\_ Extended Warranty Purchase? \_\_ (Y/N)

If so, what date does warranty expire? \_\_\_\_\_

1. To obtain warranty service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
2. Take or ship the product in the original container packaging to an authorized ViewSonic service center.
3. Round trip transportation costs for in-warranty products will be paid by ViewSonic.

**Limitation of implied warranties:**

There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

**Exclusion of damages:**

ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic shall not be liable for:

1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by any other party.
4. Repair or attempted repair by anyone not authorized by ViewSonic.

<b>Contact Information for Sales &amp; Authorized Service (Centro Autorizado de Servicio) within Mexico:</b>	
<b>Name, address, of manufacturer and importers:</b> México, Av. de la Palma #8 Piso 2 Despacho 203, Corporativo Interpalmas, Col. San Fernando Huixquilucan, Estado de México Tel: (55) 3605-1099 <a href="http://www.viewsonic.com/la/soporte/index.htm">http://www.viewsonic.com/la/soporte/index.htm</a>	
<b>NÚMERO GRATIS DE ASISTENCIA TÉCNICA PARA TODO MÉXICO: 001.866.823.2004</b>	
<b>Hermosillo:</b> Distribuciones y Servicios Computacionales SA de CV. Calle Juarez 284 local 2 Col. Bugambilias C.P: 83140 Tel: 01-66-22-14-9005 E-Mail: <a href="mailto:disc2@hmo.megared.net.mx">disc2@hmo.megared.net.mx</a>	<b>Villahermosa:</b> Compumantenimietnos Garantizados, S.A. de C.V. AV. GREGORIO MENDEZ #1504 COL, FLORIDA C.P. 86040 Tel: 01 (993) 3 52 00 47 / 3522074 / 3 52 20 09 E-Mail: <a href="mailto:compumantenimientos@prodigy.net.mx">compumantenimientos@prodigy.net.mx</a>
<b>Puebla, Pue. (Matriz):</b> RENTA Y DATOS, S.A. DE C.V. Domicilio: 29 SUR 721 COL. LA PAZ 72160 PUEBLA, PUE. Tel: 01(52).222.891.55.77 CON 10 LINEAS E-Mail: <a href="mailto:datos@puebla.megared.net.mx">datos@puebla.megared.net.mx</a>	<b>Veracruz, Ver.:</b> CONEXION Y DESARROLLO, S.A DE C.V. Av. Americas # 419 ENTRE PINZÓN Y ALVARADO Fracc. Reforma C.P. 91919 Tel: 01-22-91-00-31-67 E-Mail: <a href="mailto:gacosta@qplus.com.mx">gacosta@qplus.com.mx</a>
<b>Chihuahua</b> Soluciones Globales en Computación C. Magisterio # 3321 Col. Magisterial Chihuahua, Chih. Tel: 4136954 E-Mail: <a href="mailto:Cefeo@soluglobales.com">Cefeo@soluglobales.com</a>	<b>Cuernavaca</b> Compusupport de Cuernavaca SA de CV Francisco Leyva # 178 Col. Miguel Hidalgo C.P. 62040, Cuernavaca Morelos Tel: 01 777 3180579 / 01 777 3124014 E-Mail: <a href="mailto:aquevedo@compusupportcva.com">aquevedo@compusupportcva.com</a>
<b>Distrito Federal:</b> QPLUS, S.A. de C.V. Av. Coyoacán 931 Col. Del Valle 03100, México, D.F. Tel: 01(52)55-50-00-27-35 E-Mail : <a href="mailto:gacosta@qplus.com.mx">gacosta@qplus.com.mx</a>	<b>Guadalajara, Jal.:</b> SERVICRECE, S.A. de C.V. Av. Niños Héroes # 2281 Col. Arcos Sur, Sector Juárez 44170, Guadalajara, Jalisco Tel: 01(52)33-36-15-15-43 E-Mail: <a href="mailto:mmiranda@servicrece.com">mmiranda@servicrece.com</a>
<b>Guerrero Acapulco</b> GS Computación (Grupo Sesicomp) Progreso #6-A, Colo Centro 39300 Acapulco, Guerrero Tel: 744-48-32627	<b>Monterrey:</b> Global Product Services Mar Caribe # 1987, Esquina con Golfo Pérsico Fracc. Bernardo Reyes, CP 64280 Monterrey N.L. México Tel: 8129-5103 E-Mail: <a href="mailto:aydeem@gps1.com.mx">aydeem@gps1.com.mx</a>
<b>MERIDA:</b> ELECTROSER Av Reforma No. 403Gx39 y 41 Mérida, Yucatán, México CP97000 Tel: (52) 999-925-1916 E-Mail: <a href="mailto:rrrb@sureste.com">rrrb@sureste.com</a>	<b>Oaxaca, Oax.:</b> CENTRO DE DISTRIBUCION Y SERVICIO, S.A. de C.V. Murguía # 708 P.A., Col. Centro, 68000, Oaxaca Tel: 01(52)95-15-15-22-22 Fax: 01(52)95-15-13-67-00 E-Mail: <a href="mailto:gpotai2001@hotmail.com">gpotai2001@hotmail.com</a>
<b>Tijuana:</b> STD Av Ferrocarril Sonora #3780 L-C Col 20 de Noviembre Tijuana, Mexico	<b>FOR USA SUPPORT:</b> ViewSonic Corporation 381 Brea Canyon Road, Walnut, CA. 91789 USA Tel: 800-688-6688 E-Mail: <a href="http://www.viewsonic.com">http://www.viewsonic.com</a>

LCD Mexico Warranty Term Template In UG

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