

ViewSonic®

Q7
LCD Display

- User Guide
- Guide de l'utilisateur
- Guía del usuario
- 使用手冊



ViewSonic®

Model No. : VS11147

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Compliance Information

For U.S.A.

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.

FCC Warning

To assure continued FCC compliance, the user must use grounded power supply cord and the cables which are included with the equipment or specified. Also, any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

For Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

For European Countries

CE Conformity



The device complies with the requirements of the EEC directive 89/336/EEC as amended by 92/31/EEC and 93/68/EEC Art.5 with regard to “Electromagnetic compatibility,” and 73/23/EEC as amended by 93/68/EEC Art.13 with regard to “Safety.”

User Information for all Countries

Notice: Use the cables which are included with the unit or specified.

Important Safety Instructions

1. Read these instructions completely before using the equipment.
2. Keep these instructions in a safe place.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this equipment near water. Warning: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
6. Clean with a soft, dry cloth. If further cleaning is required, see “Cleaning the Display” in this guide for further instructions.
7. Do not block any ventilation openings. Install the equipment in accordance with the manufacturer’s instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
9. 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, consult an electrician for replacement of the outlet.
10. Protect the power cord from being tread upon or pinched, particularly at the plug, and 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.
11. Only use attachments/accessories specified by the manufacturer.
12. 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 caution when moving the cart/equipment combination to avoid injury from tipping over.
13. Unplug this equipment when it will be unused for long periods of time.
14. Refer all servicing to qualified service personnel. Service is 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.



Copyright Information

Copyright © ViewSonic® Corporation, 2006. All rights reserved.

Macintosh and Power Macintosh are registered trademarks of Apple Computer, Inc.

Microsoft, Windows, Windows NT, and the Windows logo are registered trademarks of Microsoft Corporation in the United States and other countries.

ViewSonic, the three birds logo, OnView, ViewMatch, and ViewMeter are registered trademarks of ViewSonic Corporation.

VESA is a registered trademark of the Video Electronics Standards Association. DPMS 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.

Disclaimer: ViewSonic Corporation shall not be liable for technical or editorial errors or omissions contained herein; nor for incidental or consequential damages resulting from furnishing this material, or the performance or use of this product.

In the interest of continuing product improvement, ViewSonic Corporation reserves the right to change product specifications without notice. Information in this document may change without notice.

No part of this document may be copied, reproduced, or transmitted by any means, for any purpose without prior written permission from ViewSonic Corporation.

Product Registration

To meet your future needs, and to receive any additional product information as it becomes available, please register your product on the Internet at: www.viewsonic.com. The ViewSonic Wizard CD-ROM also provides an opportunity for you to print the registration form, which you may mail or fax to ViewSonic.

For Your Records

Product Name:	Q7 ViewSonic 17" LCD Display
Model Number:	VS11147
Document Number:	Q7b-3_UG_ENG Rev. 1B 10-18-07
Serial Number:	_____
Purchase Date:	_____

Product disposal at end of product life

The lamp in this product contains mercury. Please dispose of in accordance with local, state or federal laws.

ViewSonic is concerned about the preservation of our environment. Please dispose of this product properly at the end of its useful life. For TCO'03 recycling information, please refer to our website:

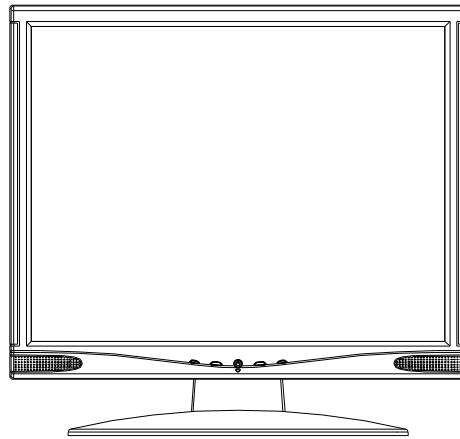
1. USA: www.viewsonic.com/pdf/RecyclePlus.pdf
2. Europe: www.viewsoniceurope.com
3. Taiwan: recycle.epa.gov.tw

Getting Started

Introduction

General Specifications

This high-quality 17" monitor is based on a liquid crystal display (LCD) with exceptional resolution and features multi-frequency intelligent scanning in the range of 30 to 80 KHz.



Caution: In order to maintain this monitor in optimal working condition, please carefully read this manual before use.

Monitor Characteristics

- 17" viewable-area screen
- 1280 x 1024 resolution, 300cd/m², 500:1 (subject to panel specification)
- Wide viewing angle (subject to panel specification)
- Color temperature settings: cool, native, warm, user-defined
- Low power consumption
- Automatic power switching: AC 100~240V, 50~60Hz.
- User image adjustments: brightness, contrast, horizontal/vertical position, phase adjust, clock adjust, language, color, recall, exit, volume
- Choice of eight languages: English, German, French, Spanish, Italian, Russian, Traditional Chinese and Simplified Chinese.

Package includes:

- 17" LCD monitor
- Base
- Power cord
- Instruction manual
- Audio cable
- VGA cable

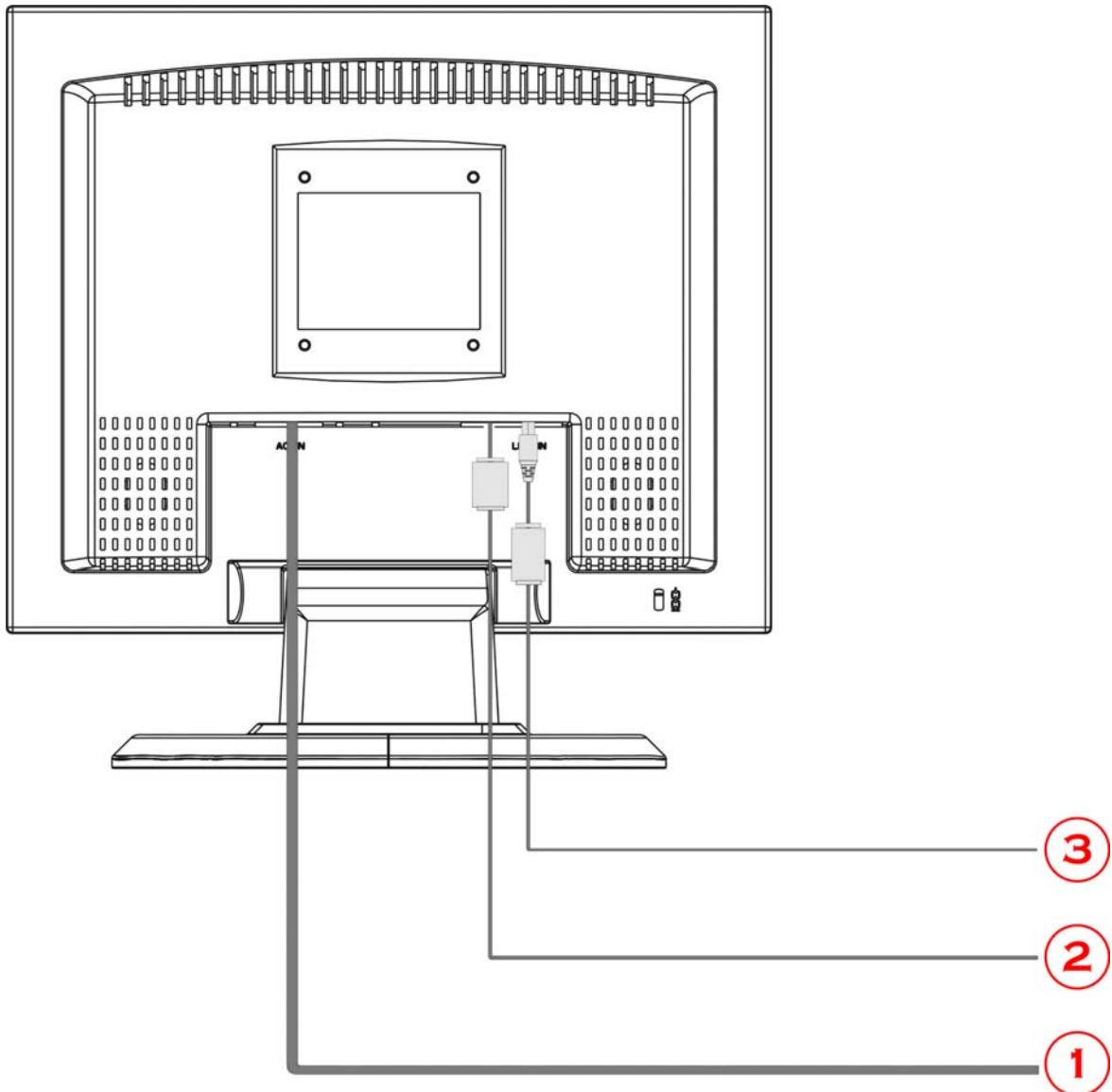
Caution: Please keep the original packing materials including cartons for possible future use in shipping or moving the monitor.

Precautions

- Please turn off power before cleaning this monitor. Use a soft cloth with clean water and lightly wipe the LCD screen surface.
- This monitor operates at a high voltage and is potentially hazardous. Only qualified technicians are permitted to assemble or disassemble the device or access internal components.

Quick Installation

Terminal Connection



NO.	Terminal	Function
①	AC-In	AC power input 100~240V, 50/60HZ
②	VGA-In	To PC VGA
③	Audio-In	Audio input

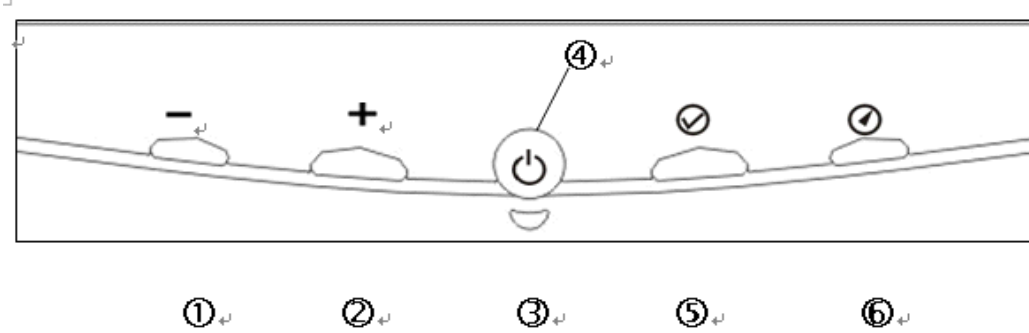
Pre-installation Check

Please check the label on the nameplate on the back cover first. Input voltage between 100V and 240V should be used with this monitor. Also please make sure this monitor and your main system (computer) is powered off before attaching any connectors.

Using the LCD Display Operation

Functional Description of Controls

a. User Control Panel



b. Description of Key Functions

	Symbol	Function
①	-	1. Show the mute OSD. 2. Decrease a function's (⚙️ 🌙 📺 📁 📄 📊) value. 3. Move to the next function (📺 🌐 📶 EXIT) left
②	+	1. Show the volume OSD menu 2. Increase a function's (⚙️ 🌙 📺 📁 📄 📊) value. 3. Move to the next function (📺 🌐 📶 EXIT) right
③		Power indicator
④	🔌	Turn the power on or off
⑤	✔️	1. Show the main OSD menu 2. Select the next OSD icon down
⑥	✔️	1. Auto-adjust 2. Select the next OSD icon up

Adjust Screen (auto-save)

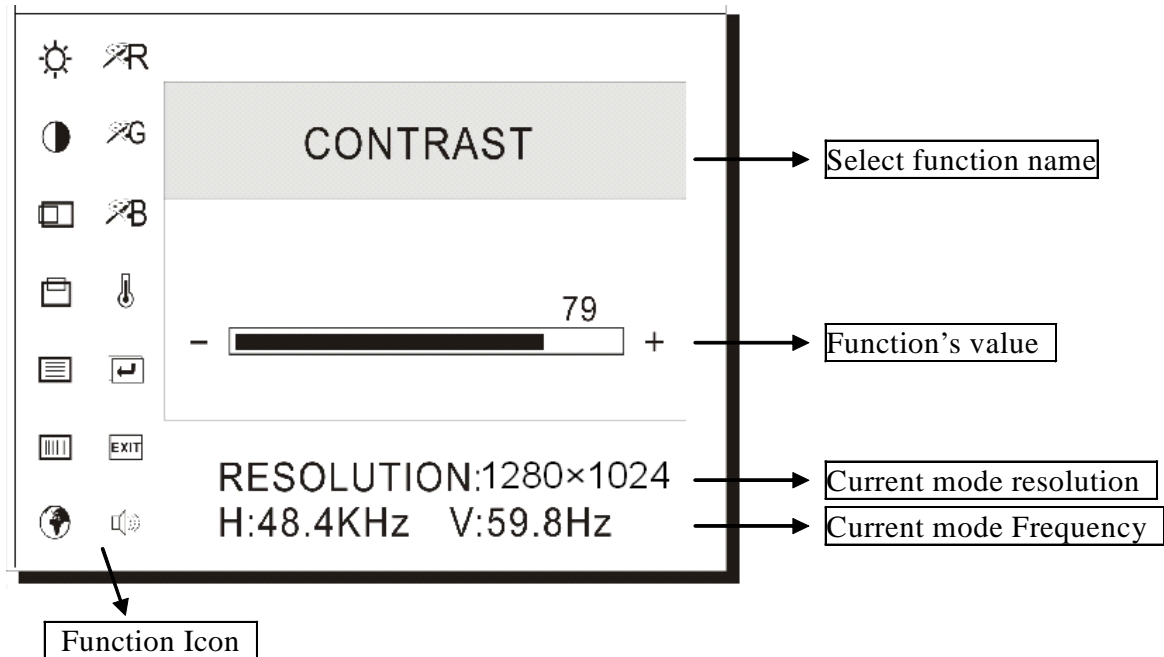
1. Press the Ⓞ button to display the AUTO adjust OSD menu.
2. Press the ✔️ button to display the main OSD menu.
3. Select the desired function menu, by pressing the ✔️ or ✔️ button.
4. Push the + or - button, to increase or decrease the value and change the setting.
5. Adjust the value or return to the main OSD menu by pushing the EXIT icon.
6. The OSD menu will close automatically after 8 seconds of inactivity.

Adjust Volume

Press the + or - button to adjust volume without accessing the OSD menu.

OSD Menu

Main OSD Menu



OSD Sub-menu















RGBNOINPUTSIGNAL

1. If this warning appears, please check the connector. If it is bent or damaged, the signal cable may be affected.
2. If the monitor is in “sleep” mode to save power, please move the mouse or press any key to “wake” it and return to working mode.
3. Please check relevant diagrams, and make sure the monitor has been properly configured.
4. Please check the signal cable. If the type is incorrect, please use the cable that came with the monitor.

SIGNALOVERRANGE

This warning indicates that the input signal frequency does not match those supported by this monitor. For this model, horizontal frequency must be in the range of 30 ~ 80 KHz and vertical frequency in the range of 55~75Hz. Please make sure your input signal is within these ranges.

OSD Icon Overview

Icon	Function	Description
	Brightness	Adjusts brightness
	Contrast	Adjusts the ratio of white to black
	H. Position	Adjusts horizontal position
	V. Position	Adjusts vertical position
	Phase	Adjusts horizontal flicker
	Clock	Adjusts vertical noise and correct horizontal size
	Language	Selects the display language
	Color R	Adjusts red gain
	Color G	Adjusts green gain
	Color B	Adjusts blue gain
	Color Temperature	Sets the screen to use cool Native, warm, or a user-defined value
	Recall	Reset user changed and restores factory setting
	Exit	Exits the main OSD menu
	Volume	Adjusts brightness

Other Information

Specifications

Technical Data

Size	17"
Input Signal	Analog RGB 0.7Vp-p /75 ohm, TTL Sync
Scan Frequency	H: 30~80 KHzV: 55~75 Hz 640x350,720x400,640x480,800x600, 832x624, 1024x768, 1152x864,1152x870,1280x960, 1280x1024
RGB Mode OSD	BRIGHTNESS, CONTRAST, HORIZONTAL POSITION, VERTICAL POSITION, PHASE ADJUST, CLOCK ADJUST, LANGUAGE, VOLUME, COLOR TEMPERATURE, RECALL, EXIT Color Temperature: USER, Native, Cool, Warm. Language: English, French, German, Italian, Spanish, Russian, Chinese-T, Chinese-S
Audio	1W*2 THD: 3% Input0.7 Vrms
Power Adapter Input	AC 100~240V, 50~60 Hz Current: 1.2A
Power Consumption	40 W (max) / Standby under 1W
Operation Environment	Temperature: 0~40°C Humidity: Less than 80% Altitude: To 10,000 feet
Plug & Play	DDC2B
Dimensions (L x W x H)	375 x 160 x 372mm
Weight (w/ Stand)	4.2 kg
Terminal	D-Sub 15 VGA, AC power jack, audio jack
Control Button on front frame	Power, Auto-Adjust, Menu, Up (+), Down (-)

*** The above specifications may differ depending on the actual LCD panel utilized and are subject to change without prior notice

Energy-saving Modes

When this product is operated, it complies with relevant power-saving measures stipulated by the Energy Star and VESA (Video Electronics Standards Association) standards. When the monitor is left unused, it can also automatically eliminate unnecessary power consumption. If the user intends to use this feature, the monitor must be connected to a computer with a power management system that complies with VESA standards. There are three energy-saving modes that users may choose, as listed below (at this time, the computer must also be configured for these modes to take effect):

- **Waiting Mode**

The monitor enters the Waiting mode after the line signal is cut off. At this time, power consumption is less than 1W, the screen will turn dark, and the power indicator turns orange. If there is any input from the keyboard or mouse, the monitor will re-enter the working mode immediately.

- **Pause Mode**

The monitor enters the Pause mode after the field signal is cut off. At this time, power consumption is less than 1W, the screen will turn dark, and the power indicator turns orange. If there is any input from the keyboard or mouse, the monitor will re-enter the working mode immediately.

- **Close Mode**

The monitor enters the Close mode after both the line signal and field signal are cut off. At this time, power consumption is less than 1W, the screen will turn dark, and the power indicator is off. In case there is any input from the keyboard or mouse, the monitor will re-enter the working mode immediately.

- The user can view the status of the power-saving modes through the LED on front panel.

Mode	Signal			Power	
	Line Signal	Field Signal	Video Signal	Power Indicator	Power Consumption
Normal	Y	Y	Y	Green	<40W
Close	N	N	N	OFF	<1W

NOTE: It is better to remove the power cord from the electrical socket when the monitor is not in use for an extended period of time.

Timer Mode

	VGA	VESA	MAC
640x350	70 Hz		
720x400	70 Hz		
640x480		60/75 Hz	67 Hz
800x600		56 / 60 / 72 / 75 Hz	
832x624			75 Hz
1024x768		60 / 70 / 75 Hz	75 Hz
1152x864		75 Hz	
1152x870			75 Hz
1280x960		60 Hz	
1280x1024		60 / 75 Hz	75 Hz

FAQ (Frequently Asked Question)

Question: What should I do if there is no picture?

- Make sure the cable is connected to the port on your PC's display card.
- Make sure the computer and screen are both turned on.
- Make sure the pins on the connector head of the cable are not bent or broken.

Question: What should I do if orange LED lights are on but there is no picture?

- Make sure the cable is connected to the port on your PC's display card.
- Check if the computer is in sleep mode or not.

Question: What should I do if green LED lights are on but there is no picture?

- Check if the output frequency of computer is outside the monitor's range. Refer to the material above on timing mode .
- Check and adjust BRIGHTNESS, CONTRAST, BACKGROUND BRIGHTNESS using the OSD menus.

Question: What should I do if RGB NO INPUT SIGNAL is displayed on the screen?

- Make sure the signal cable is connected to the port on your PC's display card.
- Check that your computer is operating normally.

Question: What should I do if SIGNAL OVER RANGE is displayed on the screen?

- Check your PC's display card specification, set vertical frequency to 55 ~ 75 Hz, and make sure resolution is less than 1280 x 1024. Refer to the material above on timing mode for further information.

Question: What should I do if the screen image is not clear?

- Confirm that the computer signal output is normal, and then check the AUTO ADJUST and Recall items in the OSD menu.
- Check the PHASE & Clock items.
- Set the screen image to 1280 x 1024 @ 75Hz.

Question: What should I do if the screen image size is incorrect?

- Check the Recall & AUTO ADJUST items of the OSD menu.
- Adjust horizontal and vertical position using the OSD menu.
- Make sure that your display card is compatible with the LCD specifications. (Please refer to relevant diagrams or manual and updated information as well).

Troubleshooting

No power

- Make sure power button (or switch) is ON.
- Make sure A/C power cord is securely connected to the LCD 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 LCD display is tightly 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 LCD display, tightly secure it to the LCD display.
- Adjust brightness and contrast.
- If you are using an Macintosh older than G3, you need a Macintosh adapter.

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 LCD 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.

Customer Support

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

NOTE: You will need the product serial number.

Country/Region	Website	T = Telephone F = FAX	Email
United States	www.viewsonic.com/support	T= (800) 688 6688 F= (909) 468 1202	service.us@viewsonic.com
Canada	www.viewsonic.com/support	T= (886) 463 4775	service.ca@viewsonic.com
United Kingdom	www.viewsoniceurope.com/uk	T= 0207 949 0307	
Europe, Middle East, Baltic countries, and North Africa	www.viewsoniceurope.com	(Contact your reseller)	
Australia and New Zealand	www.viewsonic.com.au/support/	AUS= 1800 880 818 NZ= 0800 008 822	service@au.viewsonic.com
Singapore, Southeast Asia, and India	www.viewsonic.com.sg/support/	T= (65) 6273 4018 F= (65) 6273 1566	service@sg.viewsonic.com
South Africa and other countries	www.viewsonic.com	T= +886 (2) 2246 3456 F= +886 (2) 2249 1751	service@sd.viewsonic.com
Hong Kong	www.hk.viewsonic.com/support/	T= +852 3102 2900	service@hk.viewsonic.com
Macau	www.hk.viewsonic.com/support/	T= +853 700 303	service@hk.viewsonic.com
Korean	www.viewsonic.com	T= 080 2659 080	service@kr.viewsonic.com

Cleaning the LCD Display

- MAKE SURE THE LCD 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 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 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 LCD display screen or case. Some chemical cleaners have been reported to damage the screen and/or case of the LCD display.
- ViewSonic will not be liable for damage resulting from use of any ammonia or alcohol-based cleaners.

Limited Warranty

VIEWSONIC® LCD 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.

How long the warranty is effective:

ViewSonic LCD displays are warranted for 1 year for all parts including the light source and 1 year for all labor 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, or failure to follow instructions supplied with the product.
 - b. Any damage of the product due to shipment.
 - c. Removal or installation of the product.
 - d. Causes external to the product, such as electrical power fluctuations or failure.
 - e. Use of supplies or parts not meeting ViewSonic's specifications.
 - f. Normal wear and tear.
 - g. 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, one way transportation, insurance, and set-up service charges.

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 under Support/Warranty Information.



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