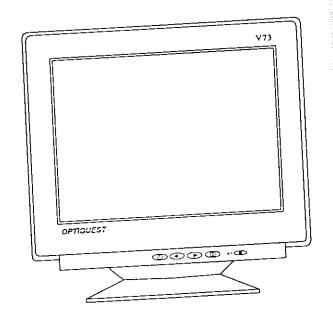
FACTORY CONTROL NO.: FVD-98-F010

FCC ID : GSS17029

OPTIQUEST®

V73 Color Monitor



with Plug &Play + 17" (16.0" Viewable Diagonal)

User's Guide

Guide de l'utilisateur

Bedienungsanleitung

Manual de instrucciones

用戸指南

ユーザーマニュアル

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As an Energy Star* partner, Optiquest, Inc. has determinded that this product meets the Energy Star* guidelines for energy efficiency.

Electronic Warranty Registration

Register your monitor at www.optiquest.com. It's fast, easy, and will simplify future support needs.

For Your Records

The serial number of this product is on the back of the monitor. Write the serial number of this unit in the space below and keep this booklet as a permanent record of your purchase to aid in identification in the event of theft or loss.

Model Name:

Optiquest V73

Model Number:

VCDTS21433-1M/1E/1A

Serial Number:

Purchase Date:

Power Cord Safety Guidelines

Caution: Use a power cable that is properly grounded. Always use the AC cords listed below for each area:

USAUL

CanadaCSA

GermanyVDE

SwitzerlandSEV

BritainBASEC/BS

JapanElectric Appliance Control Act

In other areas, use AC cord which meets local safety standards.

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Power Cord Safety Guidelines (continued)

AC PLUG CORD PRECAUTIONS FOR THE UNITED KINGDOM

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET THEN THE PLUG SHOULD BE CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO AN APPROPRIATE SOCKET.

If a new plug is to be fitted, please observe the wiring code as shown below.

If in any doubt, please consult a qualified electrician.

WARNING: THIS APPLIANCE MUST BE EARTHED.

IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

Green-and-Yellow:

Earth Neutral

Brown: If the coloured wires of the mains lead of this appliance do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the Earth symbol \pm or coloured GREEN or GREEN-AND-YELLOW.

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

IMPORTANT NOTICE CONCERNING POWER CORD SELECTION

The power cord for this unit has been packed separately and has been selected according to the country of destination and must be used to prevent electric shock. Use the following guidelines if it is necessary to replace the original cord set.

The female receptacle of the cord set must meet CEE-22 requirements and will look like Figure 1 below: Figure 1

For the United States and Canada

In the United States and Canada the male plug is a NEMA5-15 style (Figure 2) UL Listed and CSA Labelled. For units which are mounted on a desk or table, type SVT or SJT cord sets may be used. For units which sit on the floor, only SJT type cord sets may be used. The cord set must be selected according to the current rating for your unit. Please consult Table A below for the selection criteria for power cords used in the United States and Canada. Figure 2

For European Countries In Europe you must use a cord set which is appropriate for the receptacles in your country. The cord set is HAR-Certified, and the mark HAR will appear on the outer sheath, or

the dealer from whom you have purchased your unit.

Table A

Table A					
Cord Type	Size of Conductors In Cord	Maximum Current Rating of Unit			
SJT	18AWG 16AWG 14AWG	10Amps 12Amps 12Amps			
SVT	18AWG 17AWG	10Amps 12Amps			







FCC Information

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 accordance with the instructions and cause harmful interference will not occur in a particular installation. If this equipment door cause harmful interference will not occur in a particular installation. accordance with the this doctions, may cause national interference to radio communications nows and interference so guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to gualance that interference with not occur in a particular matanation, it this equipment occurate that must receive 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,
- Transcence 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 provided shielded video interface cable with bonded ferrite cores, Also, any unauthorized changes or modifications to this monitor would void the user's authority to operate this device.

Power Supply Cord USA

For units with 100 - 120V input voltage in the USA, use the following: UL Listed and CSA Certified Type SVT or SJT No. 18/3 AWG rated 125Vac 7A min. One end terminated in a molded on parallel blade, grounding attachment cap or hooded attachment cap (15A, 125V configuration), other end terminated in a mold-on appliance coupler.

Notice for Germany

- The X-rays generated in this unit are shielded sufficiently. High voltage: Max. 27.0 kV
- For ergonomic reasons, it is recommended not to use blue characters on a dark background.
- Doing so may produce insufficient contrast that could lead to eye strain.

Notice for Japan

This equipment falls under the class B information Technology Equipment based on the standard established by the self-imposed Control Council for Radio interference through informationprocessing Equipment (VCCI). This equipment is designed to be used in a household environment, However, if it is used near radio and television receiver units, radio disturbances can occur. Use this equipment appropriately according to the instruction manual.

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".

Required item	Relative to Standard Value	Relative to those Exceeding Standard Value	
EMI,	# 1		# 4
	# 2	# 3	
ESD'		# 3	\setminus
RADIATED RF		# 3	
TRANSIENT F/B*	#1		/
LINE HARMONICS	# 1	rmance and reliability.	

- # 1: Satisfies the standards with no problems in performance and reliability.
- # 2. Effects may appear temporarily on the screen but there will be no problem in reliability.
- # 3: There is lear of the product preaking down.
 # 4: If a signal cable other than that specified is used, it may be the cause of electromagnetic wave interruption of peripheral devices. To assure continued CE compliance the user must use the provided 1.8m shielded video signal cable with bonded ferrite cores at both ends of the cable.

Handle correctly in accordance with the instruction manual.

*EMI: Electromagnetic Interference *ESD: Electrostatic Discharge *RF: Radio Frequency *F/B: Fast Burst

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3



Getting Started

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Getting Started

Congratulations on your purchase of a Optiquest V73 monitor.

Important! Save the original box and all packing material for future shipping needs. Also, the word "Windows*" in this user guide refers to the following Microsoft* operating systems: Windows '95, Windows '98, Windows NT (5.0).

NOTE: This product was designed for operation in the hemisphere where purchased.

Package Contents

Your Optiquest V73 package includes:

- Optiquest V73 monitor
- Video cable with 15 pin high density mini D-sub connector
- Power cord
- · User's Guide
- OQ*.INF INSTALLATION file on diskette or CD-ROM.

Precautions

- For the best viewing conditions, sit at least 18" from the monitor.
- AVOID TOUCHING THE SCREEN WITH YOUR FINGERS. Oils from the skin are difficult to remove.
- Never remuve the rear cover. The monitor contains high-voltage parts. You
 may suffer serious injury if you touch these parts.
- Avoid exposing the monitor to direct sunlight or another heat source. The monitor should be facing away from direct sunlight to reduce glare.
- Choose a well ventilated area to position your monitor. Do not place anything on the monitor that prevents adequate dissipation of heat.
- Ensure the area around the monitor is clean and free of moisture.
- Keep the monitor away from magnets, motors, transformers, speakers, and televisions.
- Do not place heavy objects on the monitor, video cable, or power cord.
- If smoke, abnormal noise, or strange odor is present, immediately switch the monitor off and call your dealer or Optiquest. It is dangerous to continue using the monitor.
- Always handle your monitor with care when moving it.

ENGLISH



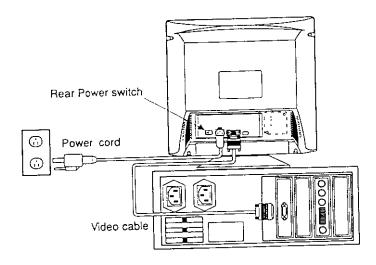




Quick Installation

- 1 Write the serial number printed on the back of the monitor in the space provided on page 1 labeled "For Your Records" and monitor's warranty on the Internet at: http://:www.optiquest.com.
- 2 Read the Precautions section thoroughly (page 5) before installing the monitor. Make sure the computer and the monitor are both turned off before connecting any cables.
- 3a PC users: Attach the video cable to the computer.
- 3b Macintosh users: A Macintosh computer requires a Macintosh adapter. To order an adapter, contact Optiquest Customer Support. See the back cover of this manual for a telephone number in your area.
- 4 Attach the power cord to the back of the monitor, then plug the other end of the power cord into the power source (wall socket).
- Turn the computer on.
- Be sure that the power switch located at the rear of the monitor is turned ON.
- Press the POWER button on the front of the monitor ON. (The Power light will turn green.)
- Adjust the user controls to suit your personal preference. See the Operation section (page 7), and if there are any problems see Troubleshooting. For the recommended screen resolution, see Factory Preset Timings in Technical Data, as well as your graphics card user guide for more detail.

Installation is complete! Enjoy your new Monitor!









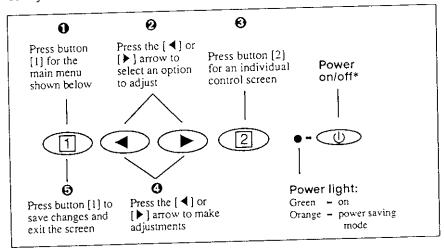


Operation

Adjust your Optiquest V73 monitor using the buttons on the front control panel as shown below.

Front Control Panel

To adjust the monitor, follow the numbered steps in sequence as shown below.

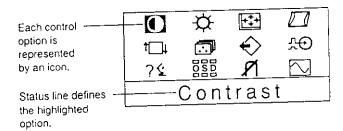


*The monitor will automatically degauss when you turn on the monitor. Degaussing removes magnetic field buildup that can affect color purity and convergence. However, turning the monitor on and off repeatedly may cause damage. Wait 20 minutes before turning the unit on and off again. To manually degauss the monitor from the menu, see page 10.

OnView® Main Menu

The menu below shows the various controls for adjusting the monitor.

Main Menu



Button [2] displays the individual control screen of the selected control option to adjust.

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OnView® Controls

Contrast/Brightness Press button [2] to toggle between Contrast and Brightness as shown below.

Contrast adjusts foreground white level of screen image.

NOTE: Pressing the [◀] and [▶] buttons simultaneously increases Contrast to its maximum.

NOTE: You can also access the Contrast control by pressing either [◀] or [▶] before accessing the Main Menu.

Brightness adjusts background black level of screen image. Press [◀] or [▶] to adjust.

NOTE: Pressing the [◀] and [▶] buttons simultaneously returns Brightness to its factory preset level.

Shortcut. Before displaying the OnView menu, press the [◀] or [▶] button. Press [◀] or [▶] to adjust. Press button [2] to toggle between Brightness and Contrast.

Size & Position Press button [2] to select one of the following controls to adjust.

Horizontal Position adjusts the horizontal position of the screen image. [◀] moves screen image left, [▶] moves screen image right.



From this screen, press button [2] to display the adjustment screen for the required control, then press [4] or [1] to adjust.

Horizontal Size adjusts the width of the screen image.

[◀] decreases width, [▶] increases width.

Vertical Position adjusts the vertical position of the screen image. [◀] moves screen image down, [▶] moves screen image up.

Vertical Size adjusts the height of the screen. [◀] decreases screen height [▶] increases screen height.

Geometry Press button [2] to select one of the following controls to adjust.

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To exit the On View* menu & save changes, press button [1].

- Memory Recall returns adjustments back to factory settings only if the monitor is operating in a factory preset mode (page 11). Exception: This control does not affect changes made with the User color control where you adjust the reds, greens, and blues.
- Video Level allows you to change the video input signal level to match the signal coming from your computer. Typically, 0.7V is used. For more information, see your computer user guide.
- 72 OSD Language allows you to choose from among three languages for the OnView menus and adjustment screens; Germany French, English, Italian, and Spanish.
- OSD Position Press the [2] button to re-position the OSD.
- Degauss Removes the build-up of magnetic fields that can affect color purity and convergence. Press the [2] button to degauss.

Important: Do not degauss repeatedly. Doing so can be harmful to the monitor. Wait at least 20 minutes (before selecting this control again).

ViewMeter® Displays the monitor's current horizontal and vertical synchronization signal.

NOTE: Pressing the [2] button before entering the main menu will also display the ViewMeter.

fH 80.0 kHz fV 75.0 Hz

Self-Test When there is no signal input (because the cable is not connected or no video signal is coming from the computer), or the monitor is in power saving mode, the self-test screen can be called by pressing the [1], $[\, \, \, \,]$, $[\, \, \, \, \,]$, or [2] buttons. An error message screen appears when the horizontal or vertical sync signals are outside of the permitted range.

10

Other Information

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CRT	Туре	17 " (16.0 " / 40.6 cm viewable diagonal) 0.25 mm (0.22 mm H \times 0.14 mm V) dot pitch, 90° deflection
nput Signal	Video Sync':	Separate, Composite f _H : 30 – 70 kHz, f _V : 50 –160 Hz
Compatibility	PC Macintosh ⁸	Up to 1280 × 1024 Nt Power Macintosh (1152 × 870)
Maximum Refresh Rates*²		1280 × 1024 NI @ 66 Hz 1152 × 870 NI @ 77 Hz 1024 × 768 NI @ 87 Hz 800 × 600 NI @ 110 Hz 640 × 480 NI @ 135 Hz 640 × 480 NI @ 160 Hz
Power	Voltage	AC 100 - 240 VAC (auto switch) 50 / 60 Hz
Display Area	Default Full Scan	300 mm (H) × 225 mm (V)Typical 324 mm (H) × 243 mm (V)Depends on signal timing
Operating Conditions	Temperature Humidity Altitude	32 °F to 95 °F (0 °C to 35 °C) 5% to 90% (no condensation) To 10,000 feet
Storage Conditions	Temperature Humidity Altitude	4 °F to +140 °F (-20°C to +60°C) 5% to 90% (no condensation) To 40,000 feet
Dimensions	Physical	405 mm (W) × 404.5 mm (H) × 425 mm (D) 15.9 " (W) × 15.9 " (H) × 16.7 " (D)
Weight	Net	16.0 kgs (35.3 lbs)
Regulations		UL, CSA, TÜV/GS, NORDIC, DHHS, HC FCC-B, IC-B, CE/CISPR 22-B, VCCI-B, MPR II, TCO 2, ISO 9241-3 (Ergonomics), ENERGY STAR ³
Power saving modes	DPMS Suspend	< 8 M (Mellow LED)
Other Features	Compatible v DDC™2B, P	with the display data channel standards DDCTM1 and lug & Play +

Preset Timing Modes (VESA* 1024 × 768 @ 75Hz is recommended)

Preset Titting Modes (* 25**					
VGA 640 × 480 @ 60Hz VESA 640 × 480 @ 75Hz VESA 800 × 600 @ 75Hz	VESA 1280 ×1024 @ 60Hz Macintosh 832 × 624 @ 75Hz Macintosh 1024 × 768 @ 75Hz				
VESA 1024 × 768 @ 70Hz & 75Hz	those maximum refresh				

^{*!} Warning: Do not set the graphics card in your computer to exceed these maximum refresh rates. Doing so may result in permanent damage to the monitor. NI= Non Interlaced.

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^{*2} Macintosh users see page 6. Macintosh computers require Macintosh adapters:

Macintosh systems equipped with PlainTalkTM also require a microphone adapter. To order either or both adapters, contact customer support. See the back cover.





No power

- · Press Power button (front switch and back switch) ON.
- Make sure AC power cord is securely connected to back of monitor and to a power outlet.
- Plug another electrical device (like a radio) into power outlet to verify that outlet is supplying proper voltage.

Power on but no screen image

- Make sure video cable supplied with monitor is tightly secured to video output port on back of computer. If other end of video cable is not attached permanently to monitor, tightly secure it to monitor.
- Adjust brightness and contrast.
- Check this user's guide to see if an adapter is required for proper signal continuity between graphics card and monitor.

Flickering

- Not enough power supplied. Connect monitor to different outlet. If using surge protector, reduce number of devices plugged in.
- Check ViewMeter to verify refresh rate (vertical frequency) is 75 Hz or higher. See Factory
 Preset Timings on page 11 with a list of refresh rates and frequency settings showing the best
 setting for this monitor.
- Make sure graphics card in your computer can utilize non-interlaced mode at desired frequencies. To enable your graphics card to support higher refresh rates, try selecting fewer colors or running lower resolutions.
- Remove any devices from area around monitor that emit magnetic fields such as radios, surge
 protectors, unshielded speakers, flourescent lights, AC power converters, desk fans, etc.

Wrong or abnormal colors

- Check the signals from the computer. The Display unit does not work correctly with Sync on -Green video signal.
- If any colors (red, green or blue) are missing, check video cable to make sure it is securely
 connected. Loose or broken pins in the cable connector could cause an improper connection.
- · Connect monitor to another computer.
- Check your graphics card for proper sync scheme (or sync polarities) to match monitor's specifications.
- Turn monitor OFF, wait one minute, then turn ON again. Do this only once.
- If you have an older graphics card, contact Optiquest Customer Support for a non-DDC adapter. (See the back cover.)

Entire screen image scrolls (rolls) vertically

- Make sure video input signals are within monitor's specified frequency range.
- Try monitor with another power source, graphics card, or computer system.
- Connect video cable securely.

Control buttons do not work

· Press only one button at a time.

--{

Cleaning the Monitor

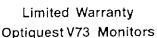
- MAKE SURE THE MONITOR IS TURNED OFF.
- · To clean the screen:
 - 1 Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.
 - 2 If still not clean, apply a small amount of non-ammonia, non-alchohol based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.
- Never spray or pour any liquid directly onto the screen or case.
- To clean the case, use the same procedure as cleaning the screen.
- Avoid spilling liquids of any kind on the monitor.

DISCLAIMER

Optiquest does not recommend the use of any ammonia or alchohol-based cleaners on the monitor screen or case. Some chemical cleaners have been reported to damage the screen and/or case of the monitor. Optiquest will not be liable for damage resulting from the use of any ammonia or alchohol-based cleaners.







What the warranty covers:

Optiquests 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, Optiquest 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:

The OPTIQUEST V73 Color Monitor, including the display tube, are warranted for three (3) years for all parts and one (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:
 - Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
 - b. Repair or attempted repair by anyone not authorized by OptIquest.
 - c. Any damage of the product due to shipment.
 - d. Removal or installation of the product.
 - e. Causes external to the product, such as electric power fluctuations or failure.
 - f. Use of supplies or parts not meeting Optiquest's specifications.
 - Normal wear and tear.
 - h. Any other cause which does not relate to a product defect.
- 3. Removal, installation, and set-up service charges.

How to get service:

- For information on obtaining warranty service, call Optiquest. The customer support telephone numbers
 are: U.S. and Canada only: 1-800-843-6784: from outside the U.S. and Canada: 909-869-7976; from
 Europe +44(1293)643-900; from Asian / Pacific Rim countries 886 (2) 248-4072. Optiquest Technical
 Support techhelp@optiquest .com . Optiquest Product Information prodinto @ optiquest.com. World
 Wide Web: http://www.optiquest.com
- 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.
- Take or ship the product prepaid in the original container to your OPTIQUEST dealer, any OPTIQUEST service center or Optiquest.
- For additional information or the name of the nearest OPTIQUEST service center, contact your OPTIQUEST dealer or Optiquest.

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:

OPTIQUEST'S LIABILITY IS LIMITED TO THE COST OF REPAIR OR REPLACEMENT OF THE PRODUCT. OPTIQUEST SHALL NOT BE LIABLE FOR:

- 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.

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.:

For OPTIQUEST products sold outside of the U.S.A., contact you OPTIQUEST dealer for warranty information and service.







For ViewSonic® Customer Support:

U.S. and Canada only 1-800-843-6784

From outside U.S. and Canada 909-869-7976

From Europe +44 (1293) 643-900

From Asian/Pacific Rim countries 886 (2) 248-4072

Optiquest Technical Support: techholp@optiquest.com

Optiquest Product Information: prodinfo@optiquest.com

> World Wide Web: http://www.optiquest.com



OPTIQUEST.

ViewSonic® Corporation

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