

## *V75*

## Color Monitor

**User's Guide** 

Guide de l'utilisateur

Bedienungsanleitung

(Latin American Spanish)

(Italian)

(Brazilian Portuguese)

(Swedish)

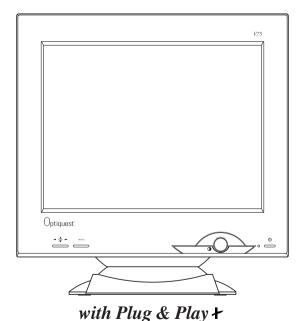
(Russian)

(Japanese)

(Traditional Chinese -Taiwan)

(Simplified Chinese - China)

(Korean)



17" (16.0" Viewable Diagonal)

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## **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 in the space below and keep this guide as a permanent record of your purchase to aid in identification in the event of theft or loss.

Model Name:	Optiquest V75
Model Number:	VCDTS 21431-1
Serial Number:	
Purchase Date:	

Optiquest V75

## Safety Guidelines

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

> USA . . . . . . UL Canada ..... CSA Germany . . . . . VDE Switzerland ..... SEV Britain . . . . . . . . . . . . . . BASEC/BS

Japan . . . . . . . . Electric Appliance Control Act

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

#### FOR EUROPEAN VERSION ONLY

This appliance is supplied with a moulded three pin mains plug for your safety and convenience. A 13 amp fuse is fitted in this plug. Should the fuse need to be replaced, ensure that the replacement fuse has a rating of 13 amps and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark 🕏 or the BSI mark 🕏 on the body of the fuse.

If the plug contains a removable fuse cover, you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover, the plug must not be used until a replacement cover is obtained. A replacement fuse cover can be purchased from your local **Optiquest** dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME. THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP 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 GROUNDED.

The wires in the main leads are coloured in accordance with the following code:

Green-Yellow . . . . . . . . . . . . . Ground Blue Neutral Brown Live

The colours of the wires in the main leads of this appliance may not correspond with the coloured markings identifying the terminals in your plug. Please comply with the following instructions:

The Green-Yellow wire must be connected to the Green or Green-Yellow terminals in the plug marked with the letter E or with the ground symbol.

The Blue wire must be connected to the Black terminal in the plug marked with the letter N.

The Brown wire must be connected to the Red terminal in the plug marked with the letter L.

Note: To replace the fuse, open the fuse compartment with a screwdriver.

#### **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 guarantee that interference will not occur in a particular installation. If this equipment does cause unacceptable 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 your dealer or an experienced radio/TV technician for help.

## **FCC Warning:**

To assure continued FCC compliance, the user must use a 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

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 minimum. One end terminated in a molded on parallel blade, grounding attachment cap or hooded attachment cap (15A, 125V configuration), other end terminated in a molded on appliance coupler.

## Department of Industry Canada (IC) Compliance Notice

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

## **CE Certification**



This device complies with the requirements of the EEC directive 89/336/EEC with regard to "Electromagnetic compatibility."

Optiquest V75

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<sup>\*</sup>To meet your future needs, and to receive any additional product information as it becomes available, please register your monitor's warranty on the Internet at: http://www.optiquest.com.

# Getting Started

Congratulations on your purchase of your **Optiquest** V75 color monitor. *Important! Save the original box and all packing material for future shipping needs.* 

#### NOTE:

This product was designed for operation in the magnetic fields of the geopraphical hemisphere where purchased. Also, the word "Windows®" in this user guide refers to the following Microsoft® operating systems: Windows '95, Windows '98, Windows NT (5.0).

## **Package Contents**

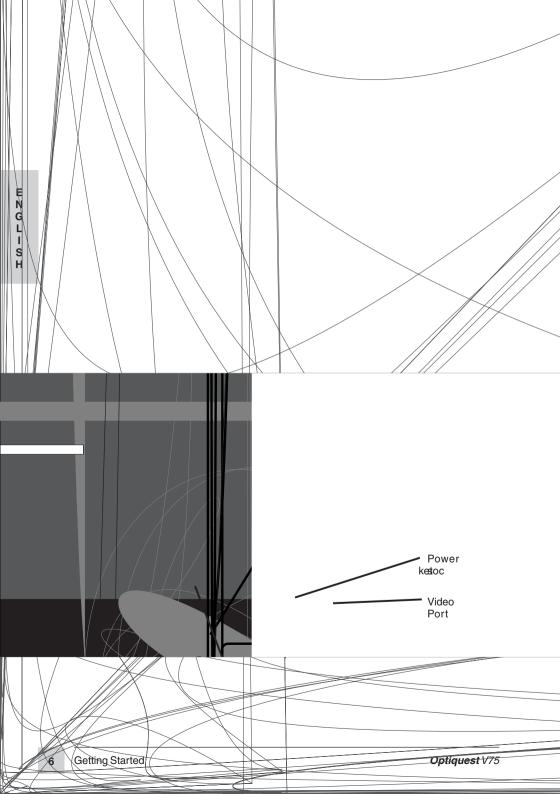
Your **Optiquest** *V75* package includes the following:

- Optiquest V75 monitor
- Video cable (15 pin mini D-sub connector)
- · Power cord
- · User's guide
- Windows '95 installation file (OQ\*.inf) 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 REMOVE THE REAR COVER. The monitor contains highvoltage 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.

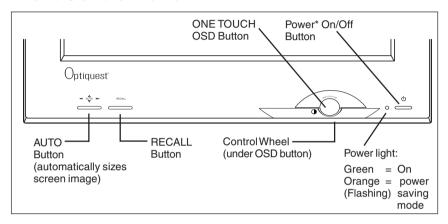
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# **Operation**

Adjust your **Optiquest** *V75* monitor using the buttons on the front control panel as shown below. The buttons scroll down the OnView<sup>®</sup> Main Menu (page 8) and adjust each control (pages 8 through 12).

## **Front Control Panel**



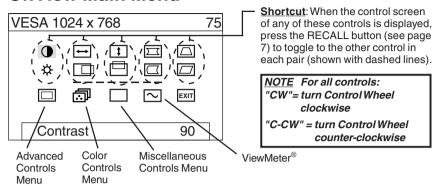
To adjust the monitor, follow the numbered steps in sequence as shown below:

- 1 To display the OnView Main Menu, push the OSD button.
- 2 To select the control you want to adjust, turn the Control Wheel (located under the OSD button). Clockwise scrolls down the Main Menu; counterclockwise scrolls up. NOTE: For some controls you must first select another menu from the Main Menu (see page 8).
- **3** With your selection highlighted, push the OSD button again. The control adjustment screen displays.
- **4** To adjust the control you selected, turn the **Control Wheel**. The number on the side of the adjustment screen changes accordingly.
- **5** When finished making adjustments, press the OSD button to save your changes and return to the Main Menu.
- **6** To exit the Main Menu, turn the Control Wheel until EXIT is highlighted, and press the OSD button. *Shortcut:* Press and hold the OSD button.

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<sup>\*</sup> The monitor <u>automatically</u> <u>degausses</u> each time you turn it on, removing the buildup of magnetic fields that can affect color purity and convergence. To prevent possible damage, if you turn the monitor off, wait 20 minutes before turning it on again. **Do not turn the monitor on and off repeatedly.** To manually degauss the monitor, see the instructions on page 10.

## **OnView Main Menu**



**Contrast** adjusts balance between background (black level) and foreground (white level) of screen image.

CW to increase. C-CW to decrease.

**Shortcut**: Without pressing OSD button, turn Control Wheel.

- Brightness adjusts background (black level) of screen image. CW to increase. C-CW to decrease.
- Horizontal Size adjusts width of screen image. CW to increase. C-CW to decrease.
- Horizontal Position moves screen image to right or left. CW to move to right, C-CW to move to left.
- **Vertical Size** adjusts height of screen image.
  - CW to increase, C-CW to decrease.
- Vertical Position moves screen image up and down.
  CW to move up, C-CW to move down.
- **Pincushion** corrects for inward sagging or outward bowing appearance of screen image's vertical sides.
  - CW to bend sides outward, C-CW to bend sides inward.
- Pin-Balance curves screen's vertical edges to right or left.

  CW to curve to right, C-CW to curve to left.
- ☐ Trapezoid makes vertical edges of screen image parallel.
  CW to make bottom of screen image more narrow, C-CW to make the top of screen image more narrow.
- ☐ Parallelogram slants vertical sides of screen image to right or left.CW to slant sides to right, C-CW to slant sides to left.

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#### Advanced Controls Menu (on Main Menu) VFSA 1024 x 768 75 VLinr - Sym NOTE For all controls: VLinr - Centr "CW"= turn Control Wheel SPin - Centr clockwise SPin - SCurve "C-CW" = turn Control Wheel Rotation counter-clockwise Purity V - Moire H - Moire 40 Return to OnView Main Menu VhA Control

**V. Linr - Sym** (Vertical Linearity Symmetry) minimizes the distortion (stretching or squeezing) of geometric shapes (like circles or squares) between the top and bottom of the screen image.

CW or C-CW to adjust.

**V. Linr - Centr** (Vertical Linearity Center) minimizes the distortion (stretching or squeezing) of geometric shapes (like circles or squares) between the center and corners of the screen image.

CW or C-CW to adjust.

NOTE: To straighten the sides of the screen image, <u>First use PINCUSHION and PINBALANCE</u> (see page 8). Then, if sides of the screen image are not completely straight, use SIDE PINCUSHION-CENTER and SIDE PINCUSHION -S CURVE (see below).

**SPin-Centr** (Side Pincushion-Center) smooths all curves (shaped like an archery bow) along the sides of the screen image until they apppear straight.

CW or C-CW to adjust.

**SPin-Scurve** (Side Pincushion-S Curve) smooths S-shaped curves along the sides of the screen image until they apppear straight.

CW or C-CW to adjust.

Rotation rotates entire screen image.

CW rotates screen image clockwise, C-CW rotates screen image counter-clockwise.

**Purity** adjusts the color evenness of the overall image.

CW or C-CW to adjust.

NOTE: First use DEGAUSS to reduce color unevenness (one area of a color appearing darker than another area). Then if color unevenness is still present, use PURITY.

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## **Advanced Controls Menu, continued**

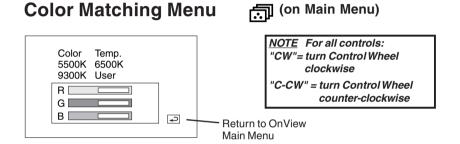
**V - Moire** (Vertical Moire) reduces vertical interference patterns that appear as ripples, waves, or unwanted background color textures.

CW or C-CW to mimimize interference patterns.

**H - Moire** (Horizontal Moire) reduces horizontal interference patterns that appear as ripples, waves, or unwanted color background textures.

CW or C-CW to mimimize interference patterns.

NOTE: Interference patterns of these types are most noticeable when viewing images having closely spaced lines or finely detailed patterns.



The Color Matching Menu provides four color adjustment options: three preset color temperatures and **User (Color)**, which allows you to individually adjust red, green, and blue (RGB).

To select a color temperature, press the OSD button until your choice is highlighted.

NOTE: The factory setting for the monitor is 9300°K, the color temperature most frequently used in offices with fluorescent lights.

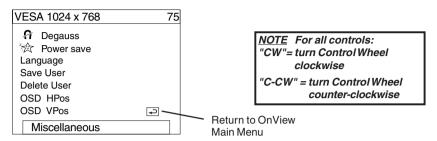
To adjust User Color:

- 1 With "User" highlighted, turn the Control Wheel to select a color (R, G, or B). Then press the OSD button, and turn the Control Wheel to adjust the color. The adjustment level changes accordingly.
- **2** Repeat this process for other colors you wish to adjust. When finished, press and hold the OSD button to exit.

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## Miscellaneous Controls Menu (on Main Menu)



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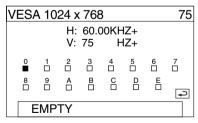
**Degauss** removes the build-up of magnetic fields that can cause irregular colors to appear around the edges of screen images. (Also see page 7.)

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

**Power Save** To select and deselect the power saving option, highlight "Power Save" and press OSD button to toggle ON/OFF. Power Save has two states: Suspend and Off (see page 15).

**Language** to choose from among five languages for all OnView menus and control screens, highlight "Language" and press the OSD button to select either English, French, German, Italian, or Spanish.

**Save User** To save the current adjustments for all controls (size, position, color, etc.) turn the Control Wheel to highlight an empty position (number or letter that is not highlighted) and press the OSD button. This saves all adjustments for the current timing mode (resolution and frequencies sent from the graphics card in your computer).



**Delete User** To delete a group of controls adjustments you saved previously, turn the Control Wheel to highlight the appropriate number or letter, and press the OSD button.

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## Miscellaneous Controls Menu, continued

**OSD HPos** repositions all OnView (OSD) screens horizontally. CW to move right, C-CW to move left.

**OSD VPos** repositions all OnView (OSD) screens vertically. CW to move up, C-CW to move down.

## ViewMeter® Screen

VESA 1024 x 768	75	
H: 60.00KHZ+ V: 75 HZ+		
Ver 1.1 1997		

Name of current timing (12 factory presets or

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# Other Information

## **Specifications**

CRT	Туре	17"(16.0" viewable diagonal) 0.26mm Dot Pitch 90° deflection
Input Signal	Video Sync	RGB analog (0.7 Vp-p, 75 ohms) f <sub>H</sub> : 30-96 kHz, f <sub>v</sub> : 50-160 Hz, H/V Separate (TTL), Sync-On-Green, Composite sync
Compatibility	PC Macintosh®*	1600 x 1280 (maximum) 1600 x 1200 (maximum)
Maximum Refresh Rates**	VESA 1600 x 128 VESA 1600 x 120 VESA 1280 x 102 VESA 1024 x 768 VESA 800 x 60	00 NI @ 77 Hz Mac 1152 x 870 @ 104 Hz 44 NI @ 89 Hz Mac 1024 x 768 @ 117 Hz
Power	Voltage	90-264VAC (auto switch) 50/60 Hz ± 2 Hz
Display Area	Factory Setting Full Scan	300mm(H) x 225mm(V) (typical) 327mm(H) x 245mm(V) Depends on signal timing
Operating Conditions	Temperature Humidity Altitude	32°F to 104°F (0°C to 40°C) 5% to 95% (no condensation) To 10,000 feet (3, 000m)
Storage Conditions	Temperature Humidity Altitude	-40°F to 140°F (-40°C to +60°C) 5% to 95% (no condensation) To 40,000 feet (12,000m)
Dimensions	Physical (monitor)	408mm (W) x 421mm (H) x 435mm (D) 16.06" (W) x 16.59" (H) x 17.13" (D)
Weight	Net	17.5 kg (38.6 lbs) (Monitor only)
Regulations		UL, FCC-B, DHHS, CSA, CE, MPR II, PTB, DOC-B, ISO9241-3, TCO92, ENERGY STAR®
Power saving modes	On DPMS <sup>™</sup> Suspend DPMS Off	130W typical green LED <15W orange LED <3W flashing orange LED

## $\textbf{PresetTiming Modes} \ ( \ \text{pre-adjusted to VESA}^{ \otimes } \ \text{1024 x 768 @ 75 Hz})$

VESA 640 x 400 @ 70Hz	VESA 1280 x 1024 @ 75Hz
Ind VGA 640 x 480 @ 60Hz	VESA 1600 x 1200 @ 75Hz
VESA 640 x 480 @ 75Hz	Macintosh 832 x 624 @ 75Hz
VESA 800 x 600 @ 75Hz, 85Hz	Macintosh 1024 x 768 @ 75Hz
VESA 1024 x 768 @ 75Hz, 85Hz	Macintosh 1152 x 870 @ 75Hz

<sup>\*</sup> Macintosh computers require Macintosh adapters. To order an adapter, contact Customer Support (see back cover).

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<sup>\*\*</sup> 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.

## **Troubleshooting**

## No power

- If your monitor has a <u>rear</u> Main Power switch, make sure it is ON. <u>For all monitors</u>: make sure <u>front</u> Power button (or switch) is ON. **NOTE:** when shipped from factory, each monitor with a rear Main Power switch is set to OFF.
- Make sure A/C 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 Specifications on page 13.
- Make sure graphics card in your computer can use 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, fluorescent lights, AC power converters, desk fans, etc.

#### Wrong or abnormal colors

- 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 a bad connection.
- · Connect monitor to another computer.
- Turn monitor OFF, wait one minute, then turn ON again. Do this only once.
- If you have an older graphics card, contact Optiquest<sup>®</sup> Customer Support for a non-DDC adapter.

## Entire screen image scrolls (rolls) vertically

- Make sure video input signals are within monitor's specified frequency range. (See Input Signal/Sync in the Specifications section).
- Try monitor with another power source, graphics card, or computer system.
- Connect video cable securely.

### Control buttons do not work

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Press only one button at a time.

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## **Cleaning the Monitor**

- MAKE SURE THE MONITOR 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 still not clean, apply a small amount of <u>non-ammonia</u>, <u>non-alcohol</u> 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 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**

Optiquest®does not recommend the use of any ammonia or alcohol-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 use of any ammonia or alcohol-based cleaners.

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# Limited Warranty Optiquest V75 Monitors

#### What the warranty covers:

Optiquest® 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** *V75* **Color Monitor**, including the display tube, is 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:
  - 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. 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.
  - g. 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 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: prodinfo@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 freight 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 your Optiquest dealer for warranty information and service.

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## For Customer Support contact Optiquest® at:

**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: techhelp@optiquest.com

Optiquest Product Information: prodinfo@optiquest.com

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

Optiquest

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