TOTE VISION ®

LCD−1047HD 1047HDR/HDL

High Definition
Color LCD Monitor
Owner's Manual

LCD-1047HD series

www.totevision.com

SAFETY PRECAUTIONS

Improper use can result in electric shock and/or fire. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your Color TFT-LCD monitor product, please read the following precautions carefully before using the product.

■ All operating instructions must be read and understood before the product is operated.
■ These safety and operating instructions must be kept in a safe place for future reference.
■ All warnings on the product and in the instructions must be observed closely.
■ All operating instructions must be followed.
■ Do not use accessories not recommended by the manufacturer. Use of inadequate accessories can result in accidents.
■ This product must be operated on a power source specified on the specification label. If you are not sure of the type of power supply used in your home, consult your dealer or local power company. For units designed to operate on batteries or another power source, refer to the operating instructions.
■ The power cords must be routed properly to prevent people from stepping on them or objects from resting on them. Check the cords at the electrical outlet and product.
■ If you plan to use a 12V DC power supply unit other than the AC adapter supplied with the product, make sure the power supply unit provides stable voltage with minimum fluctuations.
■ Do not overload AC outlets or extension cords. Overloading can cause fire or electric shock.
■ Never insert an object into the product through vents or openings. High voltage flows in the product, and inserting an object can cause electric shock and/or short internal parts. For the same reason, do not spill water or liquid on the product.
■ Do not attempt to service the product yourself. Removing covers can expose you to high voltage and other dangerous conditions. Request a qualified service person to perform servicing.
■ If any of the following conditions occurs, unplug the power cord from the AC outlet, and request a qualified service person to perform repairs.
　　a. When the power cord or plug is damaged.
　　b. When a liquid was spilled on the product or when objects have fallen into the product.
　　c. When the product has been exposed to rain or water.
　　d. When the product does not operate properly as described in the operating instructions.
Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instruction

may cause damage, which often requires extensive adjustment work by a qualified technician.

e. When the product has been dropped or damaged.

f. When the product displays an abnormal condition. Any noticeable abnormality in the product indicates that the product needs servicing.

■ In case the product needs replacement parts, make sure that the service person uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the original parts.
Use of unauthorized parts can result in fire, electric shock and/or other danger.

■ Upon completion of service or repair work, request the service technician to perform safety checks to ensure the product is in proper operating condition.

■ When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer.

■ Unplug the power cord from the AC outlet before cleaning the product. Use a damp cloth to clean the product. Do not use liquid cleaners or aerosol cleaners.

■ Unplug the power cord from the AC outlet if you do not use the product for an extended period of time.

■ Do not use the product near water, such as bathtub, washbasin, kitchen sink, laundry tub, swimming pool or in a wet basement.

■ Keep the product away from direct rays of the Sun-light.

■ Do not place the product on an unstable cart, stand, tripod or table.
Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product.
Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When mounting the product on a wall, be sure to follow the manufacturer's instruction.
Use only the mounting hardware recommended by the manufacturer.

■ When relocating the product placed on a cart, it must be moved with the utmost care. Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.

■ The vents and other openings in the cabinet are designed for ventilation.
Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, less proper ventilation is provided or the manufacturer's instructions are followed.

■ The LCD panel used in this product is made of glass.
Therefore, it can break when the product is dropped or applied with impact.
Be careful not to be injured by broken glass pieces in case the LCD panel broken.

■ Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).

■ The LCD Panel is a very high technology product with 786,432 thin film transistors, giving you fine picture details. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green or red.
Please note that this does not affect the performance of your product.

LCD-1047HDR

Occupies 4 RU

<19" standard rack mount kit>
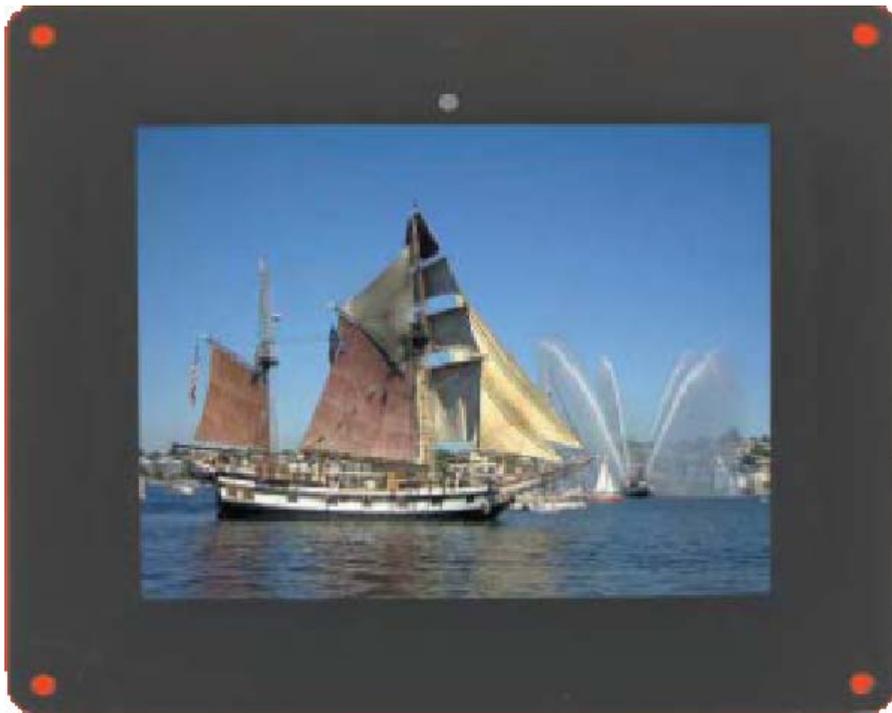
LCD-1047HDL, Flush Mount Kit

LCD-1047HD/HDR/HDL

1. LCD-1047HD (stand alone unit)
2. LCD-1047HDL (unit in flush mount kit)
3. LCD-1047HDR (unit in rack kit)

OPERATION MANUAL

SUPPLIED ACCESSORIES

Please check to make sure the following accessories are included with this product.

-Power supply
-Remote Control
-User manual
-Desk stand (1047HD only)
-Cable for PC
-Stereo Cable

■ Use the remote control by pointing it towards the remote sensor window. Objects between the remote control and sensor window may prevent proper operation.

⚠ Cautions regarding use of remote control

■ Do not drop the remote control . In addition, do not expose the remote control to liquids, and do not place in an area with high humidity.
■ Do not install or place the remote control under direct sunlight. The heat may deform the unit.
■ The remote control may not work properly if the remote sensor window of the main unit is under direct sunlight or strong lighting. In such case, change the angle of the lighting or HD LCD monitor set, or operate the remote control closer to the remote sensor window.

Batteries for Remote Control
If the remote control fails to operate the HD LCD Monitor functions, replace the batteries in the remote control.

1 Open the battery cover.

2 Insert batteries (two Size-AAA batteries, Supplied with product).

  ■ Place batteries with their terminals corresponding to the (+) and (−) indications in the battery compartment.

3 Close the battery cover

⚠ Cautions regarding batteries

Improper use of batteries can result in a leakage of chemicals and/or explosion. Be sure to follow the instructions below.
 • Place batteries with their terminals corresponding to the (+) and (−) indications.
 • Different types of batteries have different characteristics. Do not mix batteries of different types.
 • Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries and/or cause old batteries to leak chemicals.
 • Remove batteries as soon as they are non-operable. Chemicals that leak from batteries can cause a rash. If chemical leakage is found, wipe with a cloth.
 • The batteries supplied with the product may have a shorter life expectancy due to storage conditions.
 • If the remote control is not used for an extended period of time remove batteries from the remote control

Rear view of main unit

1. BNC Video OUT is passive loop out.

2. If BNC Video IN is applied, RCA Video IN will be disabled.

IN OUT
VIDEO-2 VGA

(option) BNC Video
IN & loop out
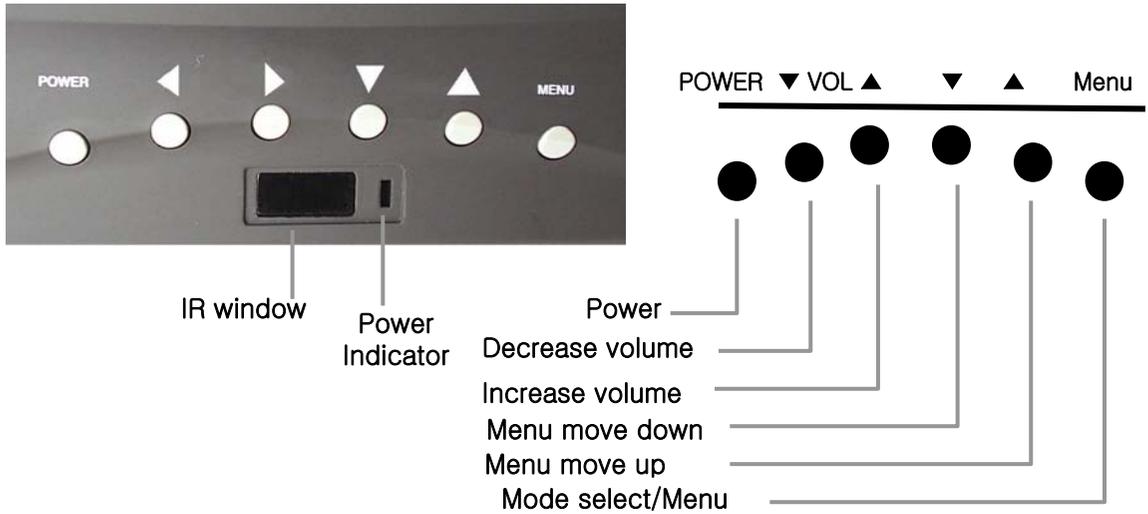
EXT. Speaker

KEY control

*RS-232 (option)

EXT. DC

<Main board connectors>

VGA	S-Video	Y	Pb	Pr	PC sound	12V DC IN	Video 1	L	R	Line *OUTPUT	Video	Vdeo2	IR Ext.

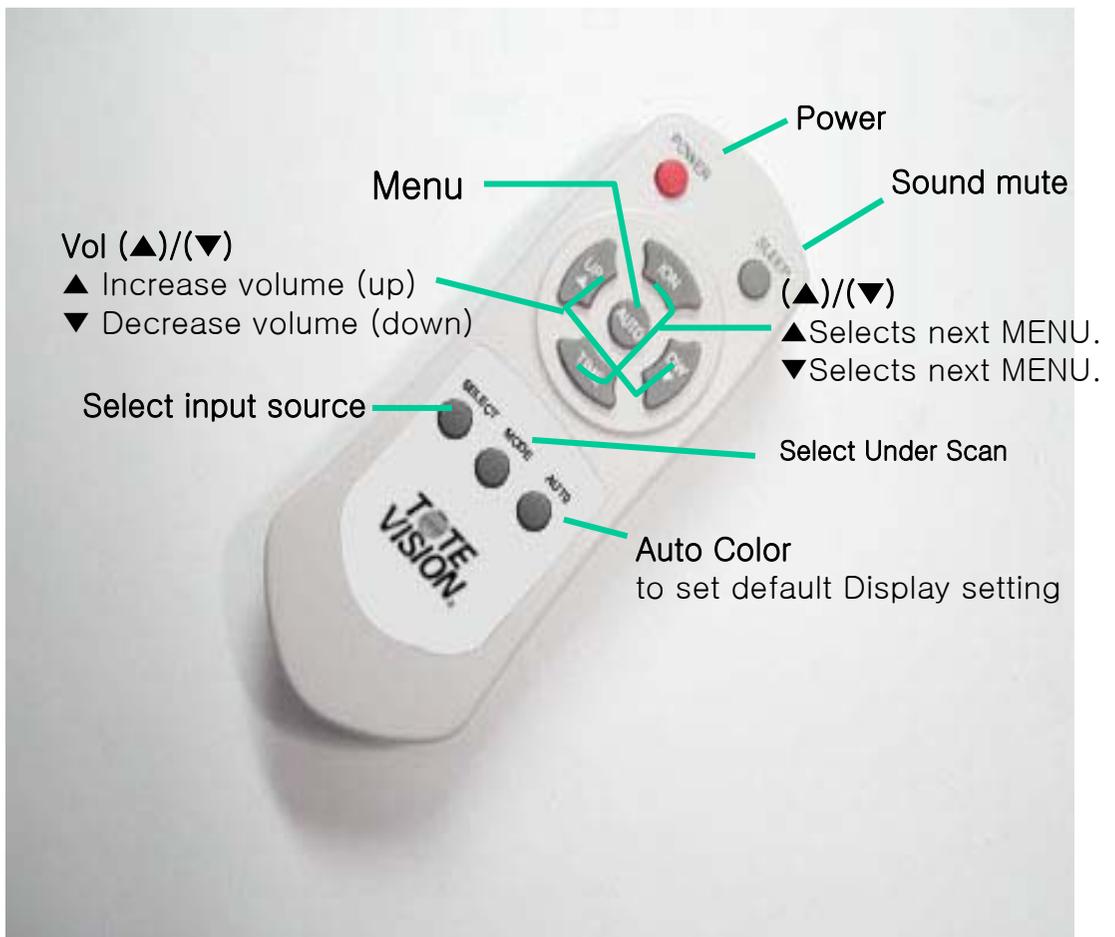***VIDEO OUT** is active output for Video 1 or Video 2 input.
If S-Video or component input is selected, display of this output will be changed to black and white because the color of the original input signal is already separated.

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LOCATION OF USER CONTROLS

Control Panel (C/P) on the front of main unit

POWER ▼ VOL ▲   ▼   ▲   Menu

IR window   Power Indicator

Power
Decrease volume
Increase volume
Menu move down
Menu move up
Mode select/Menu

Remote control (R/C)

Power

Menu

Sound mute

Vol (▲)/(▼)
▲ Increase volume (up)
▼ Decrease volume (down)

(▲)/(▼)
▲Selects next MENU.
▼Selects next MENU.

Select input source

Select Under Scan

Auto Color
to set default Display setting

BASIC OSD USAGE

Main Menu Screen

1 Press the **Menu** of R/C or press MENU for 2 sec. of C/P to access the OSD menu screen.

2 Press the ▲/▼ to move the cursor to desired menu icon.

3 Press the **Menu** to select the menu icon.

4 Press the Menu to exit menu.
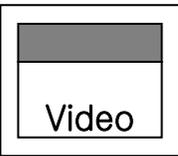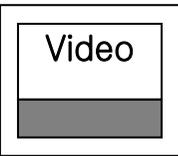
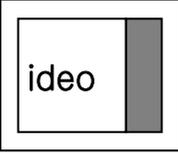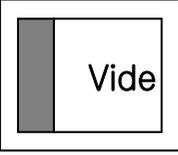**Note:** R/C - Remote Control & C/P - Control Panel

Basic Setup

Available Mode ■ Yes / □ No
■ PC ■ Video ■ S-Video ■ YPbPr

Select item	Press the **Vol▼** of R/C or press the ▼ of C/P	Press the **Vol▲** of R/C or press the ▲ of C/P
PICTURE	Color / OSD Menu / Misc. / Sound	1024x768 60Hz Contrast 50 + ─ Brightness 50 + ─ Color 50 + ─ TINT 50 + ─ Sharpness 1 2 3 4 5
OSD MENU	Color / OSD Menu / Misc. / Sound	1024x768 60Hz Language H.Position 50 + ─ V.Position 50 + ─ OSD Timer ON Off Tranlucent 1 2 3 4 5
MISC.	**Signal Source** - PC, Video 1, Video 2 , S-Video, Y/Pb/Pr **Display mode** - Normal, Under Scan **Reset** - YES, NO	
SOUND	**Sound** ON OFF Volume ─ +	

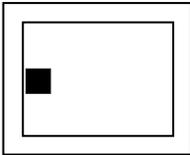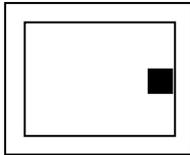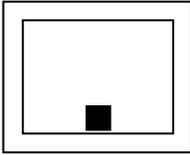| Selected item	Press the **Vol▼** of R/C or press the ▼ of C/P	Press the **Vol▲** of R/C or press the ▲ of C/P
Color	Color, Picture, Function, OSD Menu, Misc., Sound	**1024x768 60Hz** — Contrast 50, Brightness 50, Gamma 0 1 2 3, Color Temp 9800 6300 5800 User, Color Adjust
PICTURE	Color, **Picture**, Function, OSD Menu, Misc., Sound	**1024x768 60Hz** — H.Position 50, V.Position 50, Phase 50, Clock 50, Sharpness 1 2 3 4 5
Function	Color, Picture, **Function**, OSD Menu, Misc., Sound	**1024x768 60Hz** — AUTO Adjust YES NO, AUTO color YES NO, ■ Automatically adjusted items are bellow 1) Frequency, 2) Phase 3) H-position of PC Setup 4) V-Position of PC Setup 5) Canceling Speaker Mute
V-Position	Move down — Video	Move up — Video
H-Position	Move left — ideo	Move right — Vide

Video Setup

Selected item	Press the ▼ of R/C or press the ▼ of C/P	Press the ▲ of R/C or press the ▲ of C/P
Under Scan	⦿ **Normal Screen** ..... The screen takes the source of 4:3 aspect ratio as its full-sized regular picture. You may loose some of the edge of the original image. ⦿ **Under scan mode** ...... This mode enables the user to display 100% of input image without hiding any image of Source. Video will be displayed with small black border around the border. Some video source which is non-standard format may break the black border. **Normal Display** **Under Scan** Video Video	

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OSD Setup

Selected item	Press the **Vol▼** of R/C or press the ▼ of C/P	Press the **Vol▲** of R/C or press the ▲ of C/P
Language	**1** Press the **Menu** of R/C or C/P to select the **Language**. The language select menu screen will appear. **2** Press the **Vol▲/▼** of R/C or press the ▲/▼ of C/P to move the cursor to the **English** or **other**. **3** Press the **Vol ▲** of R/C or **Menu** of C/P to select the desired language. Then press **Exit** to move to previous menu screen.	
H−Position	move left the OSD menu box	move right the OSD menu box
V−Position	move down the OSD menu box	move up the OSD menu box
Background	● Translucent	● Opaque
Duration Time	■ The range of controlling the duration time of the OSD menu is from 5 sec. up to 30 sec. Default setting is 10 sec.	
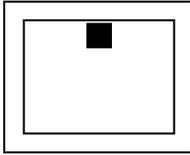
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SPECIFICATIONS

Active Screen Size	**214 (H) × 160 (V) mm (10.4 inches) diagonal**
Surface Treatment	**Anti glare**
Audio Output	**5 Watts x 2, 8 Ohm**
Pixel Pitch	**0.206 mm × 0.206 mm**
Pixel Format	**1024 (H) x 768 (V) Pixels RGB strip arrangement**
Black Light	**CCFL 15,000 Hours life**
Color Depth	**6-bit, 262,144 colors**
Viewing Angle	**80/80(H) , 80/80(V) Degrees**
Response Time	**16 mSec.**
Contrast Ratio	**450:1**
Luminance, White	**250 cd/m^2(Typ.)**
Special feature	**"Under scan" mode**
Inputs	**VGA, S-Video, Component, Composite-1/2, Audio**
Video format	**YPbPr accept 480i, 480p, 720p and 1080i/p**
Outputs	**BNC Video-2 OUT, selected Video 1/ 2 Output**
Others	**RS-232, External IR Input**
Dimensions	**1047HD:270x230x50(without desk stand)** **1047HDL:337x247x42, 1047HDR:482x177x50mm**
Power Consumption	**Approx. 15 Watt @ DC 12V**
Operating Temperature	**0 – 50 °C**
Storage Temperature	**-20 – 60 °C**
Net Weight	**1.5 Kgs,2.5 Kgs(with desk stand)**

Applicable PC Mode

Resolution	V-Frequency (Hz)	H-Frequency (KHz)	Pixel Rate (MHz)	Standard Type	Remarks
640x350	85	37.9	31.5	VESA	DOS
640x400	85	37.9	31.5	VESA	DOS
720x400	85	37.9	35.5	VESA	DOS
320x200	60	15.75	–	Graphic	CGA
640x215	53	15.75	–	Text	CGA
680x350	59.477	23.169	–	Graphic	EGA
640x480	60	31.5	25.175	Industrial	VGA
640x480	72	37.9	31.5	VESA	VGA
640x480	75	37.5	31.5	VESA	VGA
800x600	56	31.5	36	VESA	SVGA
800x600	60	37.9	40	VESA	SVGA
800x600	72	48.1	50	VESA	SVGA
800x600	75	46.9	49.5	VESA	SVGA
1024x768	43	35.5	44.9	Industrial	XGA
1024x768	60	48.4	65	VESA	XGA
1024x768	70	56.5	75	VESA	XGA
1024x768	75	60.0	78.75	VESA	XGA

Warranty

ONE YEAR LIMITED WARRANTY

ToteVision warrants to the original purchaser that this product is free from defects in workmanship and material under normal use and conditions for a period of 1 year from the date of original purchase, subject to the limitations below. Should service be required by reason of any defect or malfunction during the warranty period, *ToteVision* will repair or at its discretion replace this product, without charge (except for a $15.00 charge for handling, packing, return shipping, and subject to verification of the defect or malfunction), upon delivery of this product to the Factory Service Center listed below with proof of date of purchase. During the warranty period *ToteVision* will repair or replace, free of charge, defective units **WHICH ARE NOT DEFECTIVE DUE TO ORDINARY WEAR AND TEAR, USER ABUSE, OR OTHER CAUSES NOT ARISING OUT OF MANUFACTURER'S DEFECTS IN MATERIALS OR WORKMANSHIP.**
Before returning this product for service:

1. If it is necessary to pack the unit in other than original carton and protectors, please insure proper packaging for good protection.
2. Enclose a photocopy of your dated sales receipt, credit card statement, or other proof of the date of purchase, a description of your complaint, your name, address and day time telephone number. (Do not use P.O. Box numbers since UPS cannot deliver to P.O. Boxes.) Your warranty registration information must be on file in our office as a method of identification. If proof of original ownership is not in our records, the repairs will be treated as "out-of-warranty" and your unit will be returned to you after you have paid for repair and handling charges.
3. For "In Warranty repairs" enclose a check or money order payable to the order of *ToteVision* for the sum of $15.00 for return postage and handling.
4. Ship the unit prepaid to the Factory Service Center listed below.
5. If your unit needs service after the warranty period has expired, ship it prepaid and insured to the Factory Service Center below. Enclose a description of your complaint; your name, company name, address, and day time telephone number. You will be advised of estimated repair charges.

NOTE: This warranty is valid only if the product is used for the purpose for which it was designed. It does not cover:

(i) products which have been damaged by negligence, misuse, accidents, abuse, acts of God, or units which have been modified or repaired by unauthorized persons,
(ii) cracked or broken units or components or units damaged by excessive heat or cold, or units exposed to excessive UV light.
(iii) products which have their serial numbers removed, altered or rendered illegible,
(iv) products that have cold cathode florescent tubes (CCFTs) that do not provide sufficient illumination,
(v) the cost of shipping this product to the Factory Service Center and its return to you.

No warranty, expressed or implied, as to merchantability or fitness for a particular use is made beyond this Limited Warranty. *ToteVision* will not be liable for incidental or consequential damages or lost profits arising from product defects or malfunctions. This warranty is valid only in the United States of America and does not extend to owners of the product subsequent to the original purchaser. Any applicable implied warranties are also limited to 1 year and *ToteVision* will not be liable for consequential damages. (Some states do no allow limitations on implied warranties or exclusions of consequential damages, so that these restrictions may not apply to you.) This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

As a precondition to receiving any of the benefits of this limited warranty, your completed warranty registration information must be on file in our office. IF YOUR INFORMATION IS NOT ON FILE WITH US, ALL WARRANTY CLAIMS WILL BE DENIED. TO PROTECT YOUR WARRANTY, MAIL YOUR REGISTRATION INFORMATION TODAY! Submission of a unit determined to be not defective will result in a charge to you for testing and handling the unit. Thoroughly test your unit before submitting it for warranty claim repair.

Send unit to: TOTEVISION SERVICE CENTER 1319 Dexter Avenue N. # 020, Seattle, WA 98109
For further information: call (206) 623-6000 or fax (206) 623-6609

WARRANTY REGISTRATION

Protect your Warranty by completing and mailing this form to: ToteVision, 1319 Dexter Avenue N # 020, Seattle, WA 98109

Model Number: _____ Serial Number: _____
Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Telephone number: (_____)_____
Dealer: _____ Dealer City: _____ State: _____

Version 082203