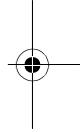
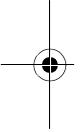


Cat. No. 16-185
OWNER'S MANUAL

Please read before using this equipment.

4-Inch Color TFT LCD TV



OPTIMUS®



FEATURES

Your Optimus 4-Inch Color TFT (Thin Film Transistor) LCD TV is compact, lightweight (less than two pounds), and easy to carry making it perfect for use in your car, workshop, RV or camper — almost anywhere.

Its features include:

Large 4-Inch Active Screen Matrix with TFT — provides superior picture quality by displaying color pixels at a faster rate than passive displays.

Flat Liquid Crystal Display — makes the TV more compact and uses less power than a standard picture tube.

All Weather Design — water resistant case protects the TV from moisture.

Note: Do not submerge the TV in water. It is not waterproof.

Automatic Electronic Tuning System — scans the VHF or UHF band and locks on to the first active channel.

Three Power Sources — lets you operate the TV using internal batteries (not supplied), AC power (adapter not supplied), or vehicle battery power (adapter not supplied).

Earphone Jack — lets you connect an optional earphone so you can listen in privacy.

Audio/Video In Jack — lets you connect a camcorder, VCR, DVD player, or any other device that has an AV output.

Built-In Rod Antenna — provides adequate reception in most metropolitan areas.

WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

	CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.		



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.

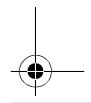
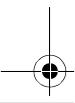
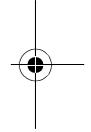
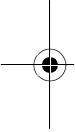


This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.



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PREPARATION

POWER SOURCES

You can power the TV from any of three power sources:

- internal battery power (using four D batteries (not supplied))
- standard AC power (using an optional AC adapter)
- vehicle battery power (using an optional DC power cord)

Internal Battery Power

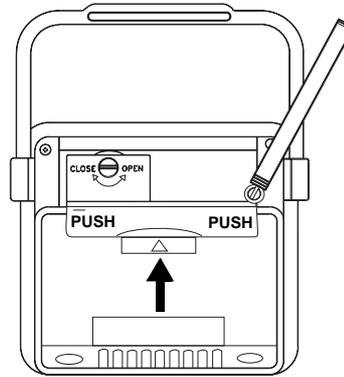
Your TV requires four D batteries for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

Cautions:

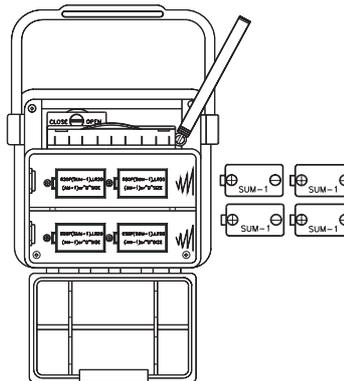
- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Follow these steps to install batteries.

1. Move the antenna out of the way and push and lift up the battery cover's buckle on the back of the TV to open the battery compartment cover.



2. Install four fresh alkaline batteries as indicated by the polarity symbols (+ and -) marked inside.



Caution: Installing batteries incorrectly can damage the TV.

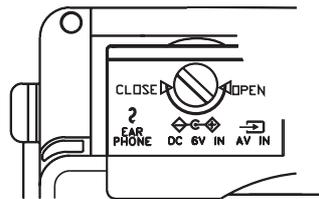
3. Close the battery cover and push down the buckle to secure the battery cover.

Note: The TV can operate for about 9 hours with alkaline batteries. When the sound level lowers or the picture becomes unstable, replace the batteries.

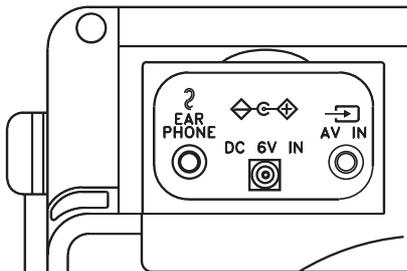
Warning: Dispose of old batteries promptly and properly. Do not burn or bury them.

Caution: If you do not plan to use the TV with batteries for an extended period, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

To access the **EARPHONE**, **DC 6V IN**, and **AV IN** jacks on the back of the TV, use a flat-blade screwdriver to unscrew the locking screw.



Remove the cover and connect the adapter or earphone plug. Store the cover when you are using the jacks and securely replace it when the jacks are not in use.

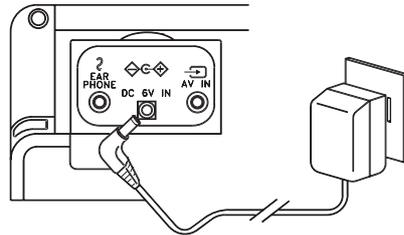


AC Power



Caution: You must use a Class 2 power source that supplies 6 volts DC and delivers at least 1,000 mA. Its center tip must be set to positive and its plug must fit the TV's **DC 6V IN** jack. (We recommend RadioShack Cat. No. 273-1680.) Using an adapter that does not meet these specifications could damage the TV or the adapter.

Set the adapter's voltage switch to 6V. Plug the adapter's barrel plug into the TV's **DC 6V IN** jack. Then plug the other end of the adapter into a standard AC outlet.



Notes:

- Do not leave the adapter plugged into the AC outlet or connected to the TV when you are not using the TV.
- Always unplug the adapter from the AC outlet first.
- Internal batteries automatically disconnect when you plug an adapter into the **DC 6V IN** jack.
- The adapter might become warm after extended periods of use.

Vehicle Battery Power

You can use an optional DC adapter to power the TV from your vehicle's cigarette-lighter socket.



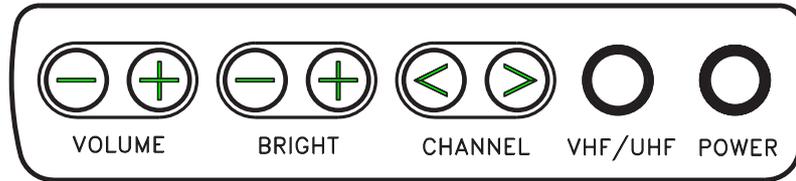
Caution: You must use a DC adapter that supplies 6 volts and delivers at least 1,000 mA. Its center plug must be set to positive and its plug must fit the TV's **DC 6V IN** jack. (We recommend RadioShack Cat. No. 273-1801.) Using an adapter that does not meet these specifications could damage the TV or the adapter.

1. Plug the adapter's barrel plug into the TV's **DC 6V IN** jack.
2. Unplug your vehicle's cigarette lighter and plug the large end of the DC adapter cord into the cigarette-lighter socket.

Notes:

- If the TV does not operate properly when you use DC power, be sure the cigarette-lighter socket is clean and that the adapter's plug is pushed all the way into the socket.
- Do not leave the adapter plugged into the cigarette-lighter socket or connected to the TV when you are not using the TV.
- Always unplug the adapter from the cigarette-lighter socket first.

OPERATION



1. Extend the built-in rod antenna.
2. Press **POWER** to turn on the TV.
3. Press **VHF/UHF** to select VHF or UHF. The TV starts scanning and stops at the next active channel in the selected band. A vertical blue line moves across the screen when scanning VHF channels; a vertical green line moves when scanning UHF channels.

Note: If the scanning line appears vague or the tuned channel cannot be locked when operating in battery power, the batteries might be weak. Replace them with new alkaline batteries.
4. Press **CHANNEL** < or > to tune to the desired channel. The scanning line on the screen aligns with the selected channel number below the screen and then disappears when the channel is received.
5. Slowly adjust the antenna direction to get the best picture.

Notes:

- If desired, fold out the stand on the back of the TV and lean the TV on a flat surface at a convenient angle. The stand can also be used as a handle to carry the TV.
- If reception is poor, adjust the length or angle of the rod antenna. If inside a metal or concrete building, moving closer to a window might improve reception.
- Be sure to attach the connecting jacks' cover on the back securely when operating the TV in a wet area.

USING AN EARPHONE

For private listening, you can connect an optional earphone with a $\frac{1}{8}$ -inch (3.5 mm) plug to the **EARPHONE** jack on the back. This automatically mutes the built-in speaker.

to protect your hearing, follow these guidelines when you use earphones.

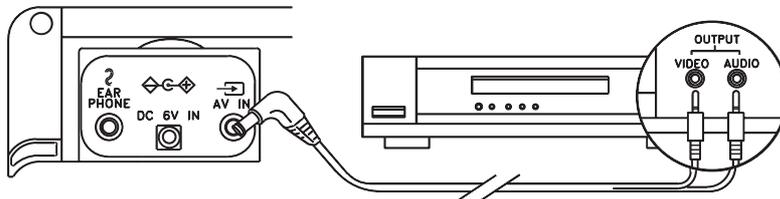
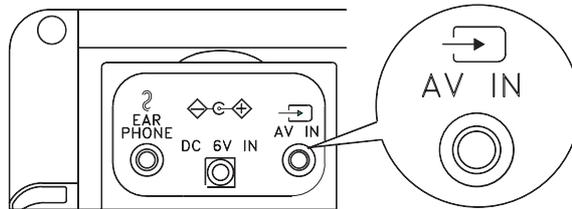
- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause

discomfort might still damage your hearing.

USING THE AV IN JACK

The **AV IN** jack on the back of the TV lets you connect a VCR, camcorder, or VCD to the TV. To connect the video equipment to the TV, you need an Audio/Video adapter plug. (We recommend RadioShack Cat. No. 42-2475, not supplied.)

Connect the cable's red plug into the component's video output jack and its white plug into the component's audio output jack. Then, plug the cable's black mini plug into the TV's **AV IN** jack. The TV automatically switches to the AV mode. When you disconnect the video source's signal cord, the TV automatically returns to the TV mode.





TROUBLESHOOTING

We do not expect you to have any problems with your TV, but if you do, these suggestions might help.

No picture or sound.

- Make sure the batteries are fresh and correctly installed.
- Make sure any adapter is correctly connected.
- Check vehicle's power fuse and replace it if necessary.

Blurry picture and noisy sound.

- Fully extend the rod antenna and adjust its position.
- Press **CHANNEL** < or > to fine tune the channel.
- Replace the batteries.
- Be sure the TV is away from appliances that may cause interference.

Bad reception due to a weak signal or a signal that is blocked by a building.

- Move the TV to an unobstructed location. In locations with poor reception, it might be impossible to get a clear picture or any picture at all.

Picture, but no sound.

- Adjust the volume.
- Make sure an earphone is not connected.

TV will not lock onto any channel and picture is dark.

- Replace the batteries.

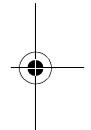
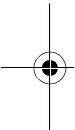
If you are unable to locate the problem, take the TV to your local RadioShack store for assistance.

CARE

To enjoy your RadioShack 4-Inch Color TFT LCD TV for a long time:

- Keep the TV dry. If it gets wet, wipe it dry immediately.
- Use and store the TV only in normal temperature environments.
- Handle the TV gently and carefully. Don't drop it.
- Keep the TV away from dust and dirt.
- Wipe the TV with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the TV's internal components can cause a malfunction and invalidate its warranty. If your TV is not performing as it should, take it to your local RadioShack store for assistance.



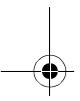
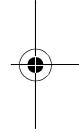
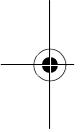


FCC NOTICE



This device complies with Part 15 of the FCC Rules. Operation of this device is subject to the following two conditions:

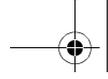
1. The TV may not cause harmful interference.
2. The TV must accept any interference received, including interference that may cause undesired operation.



SPECIFICATIONS

Display Element	TFT Color LCD
Channel Coverage	VHF-L CH 2-6 VHF-H CH 7-13 UHF CH 14-69
Screen Size	4 Inches Diagonally
Screen Format	480 × 234 Dots (W × H) Total 112,320 dots
Drip-Proof	JIS Drip-Proof Type II
Antenna	Rod
Speaker	1 ⁹ / ₁₆ Inch Mylar Cone (39.63 mm)
Power Sources	4 D Cell Batteries AC Adapter (DC 6V/1A, Cat. No. 273-1680) DC Adapter (DC 6V/1A, Cat. No. 273-1801)
Power Consumption	DC 6 Watts
Input and Output Terminals	1/8-Inch (3.5 mm) Earphone Jack, DC 6V IN Power Jack, 1/8-Inch (3.5 mm) AV IN Jack
Operating Temperature	32° to 104°F (0 ° to 40 °C)
Storage Temperature	-4° to 140°F (-20° to +60°C)
Dimensions (HWD)	5 ¹⁵ / ₁₆ × 6 ¹ / ₂ × 3 ⁵ / ₈ Inches (150 × 165 × 92 mm)
Weight	42 oz (Including Batteries) (2.62 lbs or 1.19 kg)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.



Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

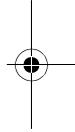
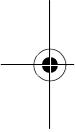
This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

We Service What We Sell

04/99



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Fort Worth, Texas 76102

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