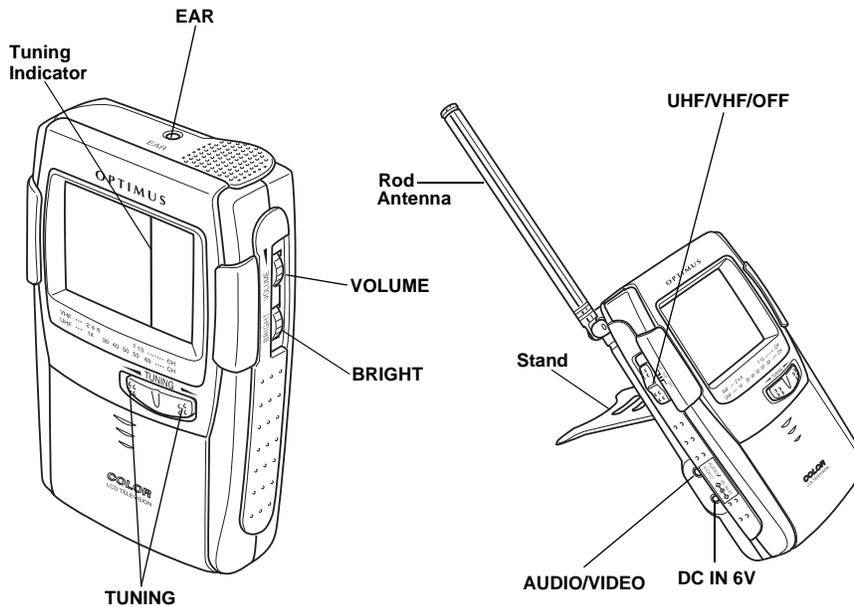


# OPTIMUS® Color LCD TV

Cat. No. 16-180



## Features

Your Optimus Color LCD TV fits in the palm of your hand. Your compact TV has several great features:

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

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

**Fluorescent Backlight** — illuminates the screen so you can watch the TV in the dark or in low-light conditions.

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

**Audio/Video Jack** — lets you connect a camcorder, VCR, laser disc player, or any device that has A/V outputs.

**Earphone Jack** — lets you enjoy private listening with an optional earphone.

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## Power

### BATTERIES

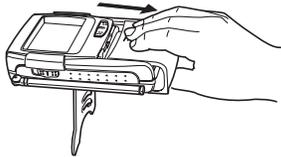
Your TV requires four AA batteries (not supplied). For the best performance and longest life, we recommend alkaline batteries, available at your local RadioShack Store.

#### Cautions:

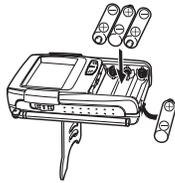
- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Follow these steps to install the batteries.

1. Gently press down on the battery compartment cover and slide it in the direction of the arrow to remove it.



2. Insert the batteries into the compartment (three above and one below) as indicated by the polarity symbols (+ and -) marked inside.



3. Replace the cover.

#### Notes:

- The TV can operate for about 3.5 hours with alkaline batteries. When the sound level lowers or the picture becomes unstable, replace the batteries.
- Internal batteries automatically disconnect when you connect an adapter.

#### Cautions:

- Always remove old or weak batteries. Batteries can leak chemicals that can destroy electronic parts.
- Dispose of old batteries promptly and properly. Do not bury or burn them.

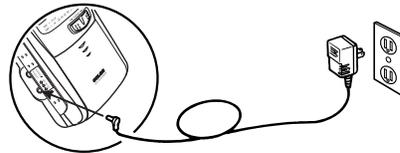
### AC POWER

You can power the TV from a standard AC outlet using an adapter (not supplied).



**Caution:** You must use an optional Class 2 power source that supplies 6 volts AC and delivers at least 550 mA. Its center tip must be set to positive and its plug must fit the TV's **DC IN 6V** jack. (We recommend RadioShack Cat. No. 273-1664.) The recommended adapter meets these specifications. 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 4.0 mm outer diameter/1.7 mm inner diameter barrel plug into the TV's **DC IN 6V** 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.
- 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 a vehicle's cigarette-lighter socket if the vehicle has a 12-volt DC, negative ground electrical system. Your local RadioShack store sells a variety of adapters.



**Caution:** You must use a DC adapter that supplies 6 volts and delivers at least 550 mA. Its center tip must be set to positive, and its plug must correctly fit the TV's **DC IN 6V** jack. Using an adapter that does not meet these specifications could seriously damage the TV or the adapter.

1. Set the adapter's voltage switch to 6V.
2. Attach the adapter's 4 mm outer diameter/1.7 mm inner diameter barrel plug, aligning + with TIP, and plug it into the TV's **DC IN 6V** jack.
3. Unplug the vehicle's cigarette lighter and plug the large end of the DC adapter cord into the cigarette-lighter socket.

**Cautions:**

- 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.

**Note:** 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 properly connected to the socket.

## Connections

### USING THE TV AS A MONITOR

You can play back the signal from an audio/video component connected to your TV using a special cable (not supplied), available through your local RadioShack store (RSU Cat. No. 16-2324).

Connect the cable's yellow plug to the component's video output jack and its white plug to the component's audio output jack. Then, plug the cable's sub-mini plug into the TV's **AUDIO/VIDEO** jack.

## Using Your TV

1. Extend the rod antenna and slide **UHF/VHF/OFF** to **VHF** or **UHF**. The TV starts scanning and stops at the next active channel in the selected band.
2. Press ◀ **TUNING** ▶ to tune to a different channel. The tuning line on the screen aligns with the selected channel number below the screen.
3. To adjust the volume, rotate **VOLUME** located on the right side of the TV.
4. To adjust the picture to the desired brightness, rotate **BRIGHT** located on the right side of the TV. The brightness also changes with the screen's angle.

**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.
- 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.

### BACKLIGHT

In low temperatures, the TV screen takes a few seconds to light, or it might be slightly red in color. This is not a malfunction. Normal operation resumes after a few seconds.

### USING AN EARPHONE

For private listening, you can connect an optional earphone with a 1/8-inch plug to the **EAR** jack. This automatically mutes the built-in speaker.

**Cautions:**

- Set **VOLUME** to the lowest setting before you begin listening. Then adjust the volume to a comfortable level.
- Do not wear an earphone while operating a vehicle or riding a bicycle. This can cause a traffic hazard and can be illegal in some areas.



## Troubleshooting

### ***Color too light or no color.***

- Extend the antenna and set it at a different angle.

### ***No picture and no sound.***

- Be sure the batteries are fresh and inserted correctly.
- If you use an adapter, be sure it is correctly connected.

### ***No picture and noisy sound.***

- Adjust the antenna.

### ***Picture, but no sound.***

- Adjust **VOLUME**.
- Be sure an earphone is not connected.

### ***Sound, but the picture is all white, dark, or blurred.***

- Adjust **BRIGHT**.
- Be sure the batteries are fresh.

### ***Picture is not clear (moves up or down, disappears periodically, becomes fuzzy or blurred or is doubled), but the TV has sound.***

- Be sure the antenna is fully extended. Adjust the antenna's angle and direction for the best reception.
- Be sure the batteries are fresh.
- Be sure the TV is away from appliances that might cause interference.
- In locations with poor reception, it might be impossible to get a clear picture or any picture at all. Change the location.

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

## Care and Maintenance

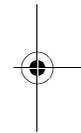
Your Optimus Color LCD TV is an example of superior design and craftsmanship. These suggestions will help you care for it so you can enjoy it for years.

- Keep the TV dry. If it gets wet, wipe it dry immediately.
- Use only fresh batteries of the recommended size and type. Always remove old or weak batteries. Batteries can leak chemicals that destroy electronic circuits.
- Handle the TV gently and carefully. Dropping it can damage the circuit boards and cases and can cause the TV to work improperly. Be particularly careful of the screen. Avoid putting the TV in your pocket or purse together with hard objects (coins, keys, etc.).
- Use and store the TV only in normal temperature environments.
- Keep the TV away from dust and dirt.
- Wipe the TV with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the TV.

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

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.

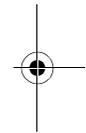


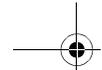


## Specifications

Channel Coverage .....	UHF: CH 14–CH 69 VHF: CH 2–CH 13
Display Element .....	High Resolution Color LCD (Super Twisted Nematic Type)
Drive System .....	Passive Matrix System
Screen Size .....	2.3 Inches Diagonally
Backlight .....	High-Luminescent Fluorescent Material
Antenna .....	Rod
Speaker .....	1 Inch Diagonally
Terminals .....	AUDIO/VIDEO,DC IN 6V,EAR
Power Supply .....	Four AA Batteries AC Adapter Cat. No. 273-1664 DC Adapter Cat. No. 273-1815
Power Consumption .....	Approx. 3.4 Watts
Dimensions (HWD) .....	5 × 3 <sup>1</sup> / <sub>4</sub> × 1 <sup>1</sup> / <sub>2</sub> Inches (128 × 83 × 36 mm)
Weight (Excluding Batteries) .....	6.7 oz. (190 g)

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.

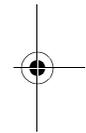
This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs 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, Dept. W,  
200 Taylor, 6th Floor, Fort Worth, TX 76102

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Fort Worth, Texas 76102

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