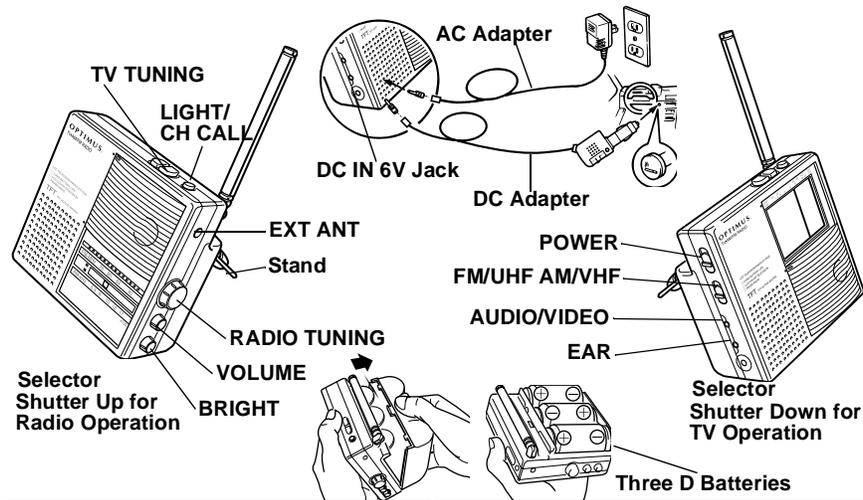


**OPTIMUS® TV • AM/FM Radio** Cat. No. 16-174A



**Features**

Your Optimus TV • AM/FM Radio is a color LCD TV that fits in the palm of your hand and receives AM and FM radio, as well as VHF and UHF TV signals. The TV • AM/FM Radio has these 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 LCD screen so you can watch the TV in the dark or in low-light conditions.

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

**External Antenna Jack** — lets you connect an external outdoor antenna for optimum reception in weak signal areas.

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

**Power**

**BATTERIES**

Your TV uses three D batteries (not supplied). For the best results, we recommend alkaline batteries (RadioShack Cat. No. 23-550).

1. Set **POWER** to **OFF**.
2. Press down on the arrow on the top of the battery compartment cover, then lift the cover away from the TV.
3. Insert three fresh batteries as indicated by the polarity symbols (+ and -) marked inside the compartment.

**Caution:** Installing batteries incorrectly can damage the TV.

4. Insert the cover's latching tabs into the slots beneath the battery compartment and close the cover.

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**Notes:**

- When the sound level lowers or the picture becomes unstable, replace the batteries.
- Internal batteries automatically disconnect when you plug an adapter into the **DC IN 6V** jack.

**AC POWER**

You can power the TV from a standard AC outlet. You must use an optional AC adapter than supplies 6 volts and delivers at least 550 mA. Its center tip must be set to negative, and its plug must correctly fit the TV's **DC IN 6V** jack. We recommend RadioShack Cat. No. 273-1664. Using an adapter that does not meet these specifications could seriously 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 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 your vehicle's cigarette-lighter socket if your vehicle has a 12-volt DC, negative-ground electrical system.

You must use a DC adapter that supplies 6 volts and delivers at least 550 mA. Its center tip must be set to negative, and its plug must correctly fit the TV's **DC IN 6V** jack. We recommend RadioShack Cat. No. 273-1801. Using an adapter that does not meet these specifications could seriously damage the TV or the adapter. Set the adapter's voltage switch to 6V.

1. Plug the adapter's barrel plug into the TV's **DC IN 6V** 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 before unplugging it from the TV.

**Connections**

**CONNECTING AN EXTERNAL ANTENNA**

If you are in an area with weak TV signals, or are inside a metal or concrete building, you might need an external outdoor antenna to improve reception. Connect the antenna to the **EXT ANT** jack.

If your antenna wire is 75-ohm coaxial cable, use an F-to-mini plug adapter to complete the connections. We recommend RadioShack Cat. No. 278-257. If you have 300-ohm wire, use a 300-to-75-ohm mini plug adapter. We recommend Cat. No. 15-1148.

**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 at your local RadioShack store (RSU No. 10005890).

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 mini plug into the TV's **AUDIO/VIDEO** jack.

**Using Your TV**

1. Slide the TV/radio selector shutter on the front of the TV down.
2. Extend the rod antenna.



3. Use **FM/UHF AM/VHF** to select either **UHF** or **VHF**.
4. Turn **POWER** on.
5. Press **TV TUNING** < or > to select the desired channel.
6. Adjust **VOLUME**.
7. Adjust **BRIGHT** for the desired brightness. The brightness also appears to change depending on the screen's angle.

Press **LIGHT/CH CALL** to display the channel bar at the currently tuned channel number.

**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 short while.

**Using the Radio**

1. Slide the TV/radio selector shutter on the front of the TV up.
2. Use **FM/UHF AM/VHF** to select either **FM** or **AM**.
3. Turn **POWER** on.
4. Rotate **RADIO TUNING** to tune to the desired station.
5. Adjust **VOLUME**.
6. For the best FM reception, adjust the length, angle and direction of the rod antenna. An internal antenna is used for reception of AM broadcasts. Adjust the position of the TV for best AM reception.

Press **LIGHT/CH CALL** to illuminate the radio dial and tuning bar in dark locations.

**USING AN EARPHONE**

For private listening, you can connect an optional earphone with a 1/8-inch plug to the **EAR** jack. This 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 is illegal in some areas.

**Troubleshooting**

**Color too light or no color.**

- Fully extend the antenna. Adjust the antenna's angle and direction.
- Adjust **BRIGHT**.

**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.

**No sound.**

- Adjust **VOLUME**.
- Disconnect the earphone.
- Adjust the rod antenna (for TV or FM) or rotate the unit (for AM).
- Disconnect the cable from the **AUDIO/VIDEO** jack.

**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, is doubled, etc.).**

- Fully extend the antenna. Adjust the antenna's angle and direction.
- 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 cannot correct the problem, take the TV to your local RadioShack store for assistance.



### Care and Maintenance

Your Optimus TV • AM/FM Radio 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. They can leak chemicals that destroy electronic circuits.
- Handle the TV gently and carefully. Dropping it can damage circuit boards and cases and can cause the TV to work improperly. Be particularly careful of the display 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. If the TV is not performing as it should, take it to your local RadioShack store for assistance.

### Specifications

Channel Coverage .....	UHF: CH 14–CH 69/VHF: CH 2–CH 13
Display Element .....	High Resolution Color LCD (Twisted Nematic Type)
Drive System .....	TFT Active Matrix System
Screen Size .....	2.5 Inches Diagonally
Backlight .....	High-Luminance Fluorescent Material
Radio Frequency Ranges .....	AM: 530-1710 kHz; FM: 88-108 MHz
Antenna .....	Rod
Speaker .....	2 Inches (5 cm)
Input/Output Jacks .....	EXT ANT/DC IN 6V/EAR/AUDIO/VIDEO
Power Supply .....	Three D Batteries or AC Adapter 273-1664 or DC Adapter 273-1801
Power Consumption .....	Approx. 3.6 W
Battery Life (Approximate) .....	TV: 11 Hours; FM: 140 Hours; AM: 210 Hours
Ambient Temperature .....	32–104° F (0–40°C)
Dimensions .....	4 <sup>7</sup> / <sub>16</sub> × 4 <sup>7</sup> / <sub>8</sub> × 2 <sup>9</sup> / <sub>16</sub> Inches (HWD)
Weight .....	12.9 Oz. (Without Batteries)

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

#### RadioShack Limited Warranty

This product is warranted against defects for 90 days from date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. Within this period, RadioShack will repair it without charge for parts and labor. Simply **bring your RadioShack sales slip** as proof of purchase date to any RadioShack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

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*We Service What We Sell*

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