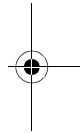
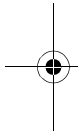
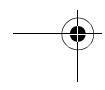
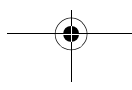


owner's manual

7-INCH AC/DC BLACK AND WHITE TELEVISION



RCA



FEATURES

Your RCA 7-Inch Black and White Portable Television has many features for easy and convenient TV viewing and a built-in AM/FM tuner for radio listening. You can also use your TV/radio to monitor an audio/video source equipped with A/V outputs, such as a VCR or camcorder.

Your TV/radio includes these features:

Three Power Sources — you can operate the TV/radio virtually anywhere with batteries (not supplied) in the detachable battery compartment, or with AC or vehicle battery power using the supplied adapters.

Audio and Video Input Jacks — let you use the TV/radio for VCR, camcorder, DVD, and laserdisc playback.

External Antenna Jack — lets you connect an outdoor TV antenna for improved reception.

TV/AV Switch — lets you quickly switch between the TV and audio/video modes.

Band Selector — lets you easily select VHF low, VHF high, or UHF TV channels, or AM/FM radio.

Detachable Battery Compartment — lets you easily install and remove batteries by separating the battery compartment from the TV.

Swivel Mounting Bracket — lets you mount the TV/radio under a cabinet.

Telescoping Antenna — you can adjust its length, direction, and angle to receive the best possible picture and sound signal.

Earphone Jack — lets you connect earphones or headphones for private listening.

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.

PREPARATION

POWER SOURCES

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

- D batteries (not supplied)
- standard AC power (using the supplied AC adapter)
- vehicle battery power (using the supplied DC power cord)

Using Standard Battery Power

You can power the TV/radio from ten D batteries in the detachable battery compartment. For the best performance and longest life, use alkaline batteries. You can also use rechargeable standard or high-capacity nickel-cadmium batteries. Your local RadioShack store carries a full line of batteries.

Note: If you use rechargeable nickel-cadmium batteries, you need a compatible battery charger, available at your local RadioShack store.

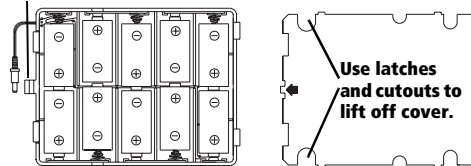
Cautions:

- 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.
- Ensure the TV is off before installing new batteries.

Follow these steps to install batteries.

1. To remove the battery compartment cover, press down gently on the middle, ribbed latch while you insert your finger into a cutout on the cover and lift.

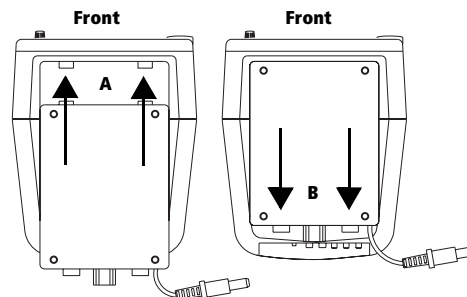
Press down gently.



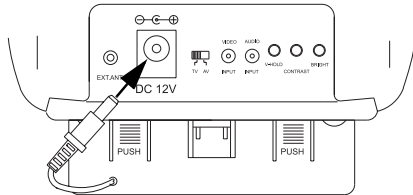
2. Install ten D batteries in the compartment as indicated by the polarity symbols (+ and -) marked inside.

Caution: Positioning the batteries incorrectly with respect to polarity can damage your TV/radio.

3. Replace the battery compartment cover.
4. Carefully turn the TV upside-down and align the battery compartment tabs with the matching slots on the TV/radio base. Position the power connector toward the TV's rear jacks. Gently push the detachable battery compartment into the wider spaced slots (A) and then gently press the tabs marked **PUSH** into the more closely spaced slots (B).



- Turn the TV/radio right side up and insert the plug from the battery compartment into the **DC 12V** jack on the back of the TV/radio.



When the TV picture shrinks, replace or recharge the batteries.

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

Cautions:

- Always remove old or weak batteries. Batteries can leak chemicals that can destroy electronic parts.
- If you do not plan to use your TV/radio for a month or more, or if you plan to use only external power, detach the battery compartment.

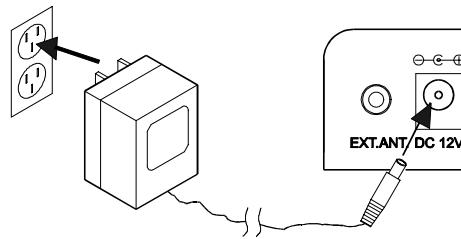
Using AC Power



Caution: You must use a Class 2 power source that supplies 13.5 volts DC and delivers at least 1.2 A. Its center tip must be set to positive and its plug must fit the TV/radio's **DC 12V** jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the TV/radio or the adapter.

To use AC power, connect the supplied AC adapter's barrel plug to the **DC 12V** jack on the back of the TV/radio. Then plug the

adapter's other end into a standard AC outlet.



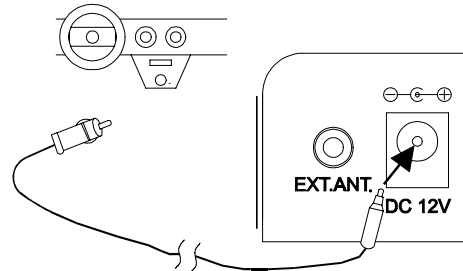
Note: Always unplug the AC adapter from the AC outlet before you unplug it from the TV/radio.

Using Vehicle Battery Power



Caution: You must use a power source that supplies 12.0 volts DC and delivers at least 1.2 A. Its center tip must be set to positive and its plug must fit the TV/radio's **DC 12V** jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the TV/radio or the adapter.

Follow these steps to power the TV/radio from your vehicle's cigarette-lighter socket.



1. Make sure the supplied DC power cord's knurled ring is threaded firmly onto its plug.
2. Plug the small end of the DC power cord into **DC 12V** on the back of the TV/radio.
3. Plug the large end of the DC power cord into your vehicle's cigarette lighter socket or a 12V socket.

Notes:

- Always unplug the DC power cord from the cigarette-lighter socket before you unplug it from the TV/radio.
- If the TV/radio stops working, check the fuse in the DC power cord (see "Changing the Fuse" on Page 10).

USING AN ANTENNA

Telescoping Antenna

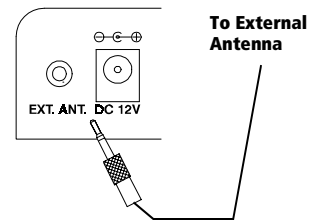
The built-in telescoping antenna provides good reception of FM, VHF, and UHF broadcast signals. The TV/radio has a built-in AM antenna. Position the set for the best AM reception.

Extend the telescoping antenna vertically to its full length for VHF-L channels 2 to 6 and UHF channels 14 to 69.

Extend the antenna to half its full length for the best reception of VHF-H channels 7 to 13.

External Antenna

For improved reception, you can connect a standard outdoor VHF/UHF antenna to **EXT. ANT.** on the back of the TV/radio.



Use a 300-ohm twin lead-to- $\frac{1}{8}$ -inch plug adapter (available at your local RadioShack store) or the supplied 75-ohm F-connector-to- $\frac{1}{8}$ -inch plug for the cable lead to connect the external antenna.

If you connect an outside antenna or cable system to the TV/radio, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Notes:

- Your local RadioShack store carries a wide selection of antennas and accessories.

- For better reception in your vehicle, connect an optional mobile TV antenna to **EXT. ANT.** on the back of the TV/radio.

MOUNTING THE TV/RADIO

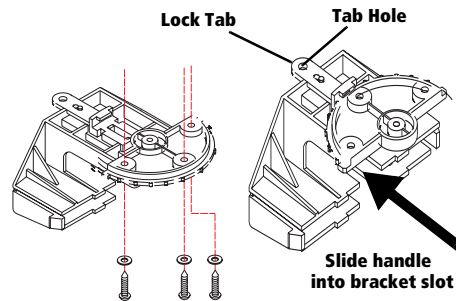
Follow these steps to mount your TV/radio under a cabinet.

Warning: To reduce the risk of fire, do not mount the TV/radio directly over a heating surface such as a stove.

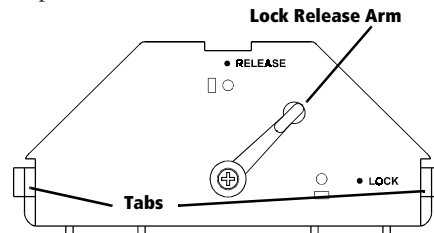
Caution: For proper ventilation, be sure to allow at least 10 inches of space on each side of the TV/radio.

1. Using the semi-circular plate of the supplied mounting bracket as a guide, pull the lock tab and turn the plate 180° to expose the three mounting holes. Place the plate beneath the mounting surface and mark the positions for the mounting holes.
2. Select mounting hardware based on the installation location and surface material.

3. Install the mounting hardware and the mounting bracket. Do not overtighten the screws.



4. Pull the lock tab and rotate the plate 180°, then release the tab to lock the plate. The lock tab spring is very strong. If necessary, use a screwdriver or similar tool inserted in the lock tab hole to release the tab. Position the lower bracket so its opening is facing forward.
5. Move the **LOCK/RELEASE** arm to **RELEASE** and snap the arm into position.



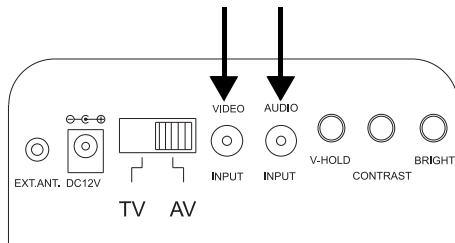
6. Place the carry handle opening over the lower bracket side tabs and gently push the TV/radio toward the back of the brackets until the tabs snap into place.
7. Move the **LOCK/RELEASE** arm to **LOCK** to secure the bracket.

To remove the TV/radio from the bracket at any time, move the arm to **RELEASE** then press the tabs and guide the TV/radio away from the bracket.


CONNECTING AN AUDIO/VIDEO SOURCE

You can use your TV/radio to play back an audio/video source, such as a VCR, camcorder, or DVD or laserdisc player.

Connect the audio/video source's output jack(s) to **AUDIO INPUT** and **VIDEO INPUT** on the back of the TV/radio.



PRIVATE LISTENING

For private listening, plug an earphone or a headphone (not supplied) with a 1/8-inch mini-plug into  on the side of the TV/radio. Connecting earphones or headphones automatically disconnects the speaker.

Listening Safely

To protect your hearing, follow these guidelines when you use earphones or headphones.

- 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.

Traffic Safety

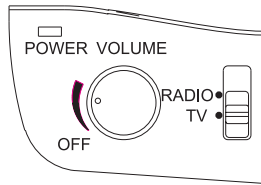
Do not wear earphones or headphones while operating a motor vehicle or a bicycle. This can create a traffic hazard and could be illegal in some areas.

Even though some earphones and headphones let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

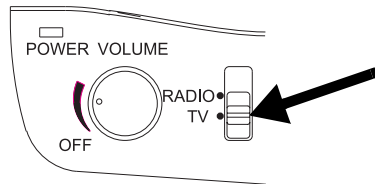
OPERATION

TV OPERATION

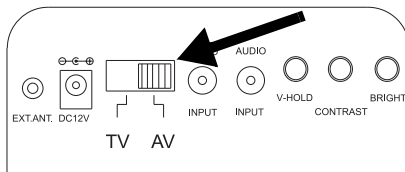
1. Rotate **POWER VOLUME** clockwise until it clicks to turn on the TV/radio. The **POWER** indicator lights.



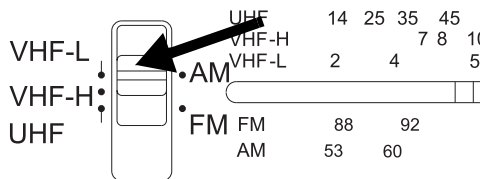
2. Set **RADIO/TV** to **TV** to receive TV broadcasts.



3. To play back material from an audio/video source connected to the TV/radio's **AUDIO INPUT** or **VIDEO INPUT** jack, set **TV/AV** to **AV**.



4. Set **VHF-L/VHF-H/UHF** to the desired VHF or UHF TV broadcast band.

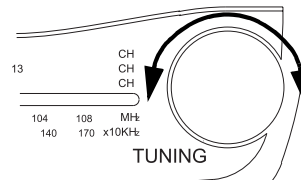


VHF-L — to select VHF low channels 2 through 6.

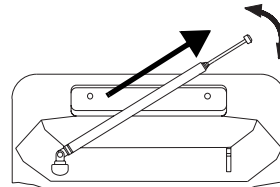
VHF-H — to select VHF high channels 7 through 13.

UHF — to select UHF channels 14 through 69.

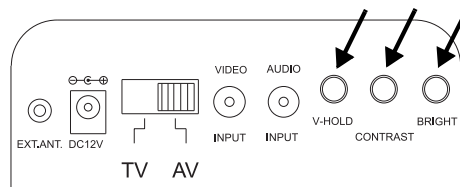
5. Turn **TUNING** to the desired channel.



6. Adjust the length and angle of the telescoping antenna for the best picture and sound.



7. Turn **BRIGHT**, **CONTRAST**, and **V-HOLD** on the back of the TV/radio to adjust the picture (if necessary).



BRIGHT — makes the picture darker or brighter.

CONTRAST — adjust when the picture has either too much contrast or is washed out.

V-HOLD — adjust if the picture rolls up or down.

8. Rotate **VOLUME** to adjust the volume to a comfortable level.

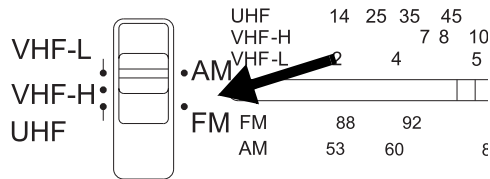
- To turn off the TV/radio, rotate **POWER VOLUME** counterclockwise until it clicks. The POWER indicator turns off.

TV Reception Tips

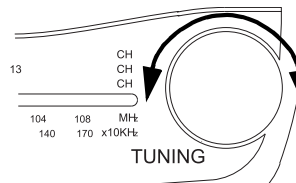
If the image is blurry, unstable or has "snow," the signal reception might be weak. Your location or the telescoping antenna's position and length can cause this poor reception. Buildings with steel construction can also cause reception problems. Try changing the antenna's position and length, or relocate the TV/radio. If this does not help, use an outdoor antenna.

If the image does not fill the screen when using battery power, the batteries are weak. Replace or recharge the batteries.

- Set **AM/FM** to **AM** or **FM**.



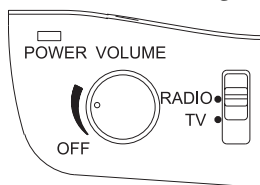
- Turn **TUNING** to the desired station.



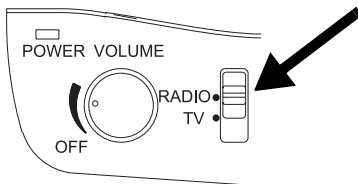
- Rotate **POWER VOLUME** to the desired level.
- To turn off the TV/radio, rotate **VOLUME** counterclockwise until it clicks. The POWER indicator turns off.

RADIO OPERATION

- Rotate **POWER VOLUME** clockwise until it clicks to turn on the TV/radio. The POWER indicator lights.



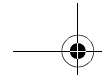
- Set **RADIO/TV** to **RADIO**.



Radio Reception Tips

Weak FM reception can be caused by your location, the telescoping antenna's angle and length, and steel frame buildings. Try changing the antenna's position and length. If this does not help, use an outdoor antenna.

Weak AM and FM reception might be caused by the distance from the station or by operating the TV/radio in a building with steel construction. Reposition the set to improve reception.



CARE AND MAINTENANCE

To enjoy your TV for a long time:

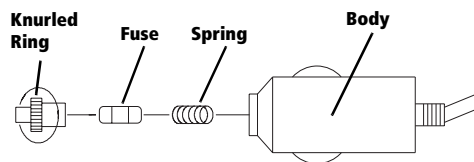
- Keep the TV dry. If it gets wet, wipe it dry immediately.
- Use and store the TV only in normal temperature environments.
- Handle the TV gently and carefully. Do not drop it.
- Keep the TV away from dust and dirt.
- Wipe the TV with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the TV's internal components can cause a malfunction and invalidate its warranty.

This TV has been manufactured to the specifications of RadioShack and is covered by a limited warranty from RadioShack. If your TV is not operating as it should, take it to your local RadioShack store or call 1-800-THE-SHACK for assistance.

CHANGING THE FUSE

If the TV/radio does not work while using vehicle battery power, check the fuse by following these steps.



1. Unscrew the knurled ring on the DC power cord. Be careful not to lose the spring and knurled ring.
2. If the connector bridge inside the fuse is broken, replace the fuse with another

one rated at 2-amps, available at your local RadioShack store.

Caution: Do not use a fuse with ratings other than those specified here. Doing so might damage your TV/radio.

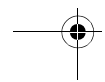
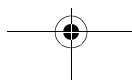
3. Insert the new fuse, then replace and tighten the knurled ring.

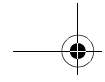
THE FCC WANTS YOU TO KNOW

This TV/radio complies with the limits for a Class B digital device as specified in Part 15 of *FCC Rules*. These limits provide reasonable protection against radio and TV interference in a residential area. However, your TV/radio might cause another TV or radio to exhibit interference even when your TV/radio is operating properly. To eliminate interference, you can try one or more of the following corrective measures:

- reorient or relocate the receiving antenna of the other TV or radio
- increase the distance between your TV/radio and the other TV or radio
- use outlets on different electrical circuits for this TV/radio and the other TV or radio

Consult your local RadioShack store if the problem still exists.

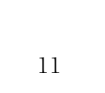
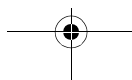


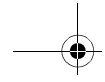


SPECIFICATIONS

TV System	NTSC-M
Horizontal Resolution	260 Lines
Receiving Channels	Broadcast VHF: 2-13 Broadcast UHF: 14-69
Intermediate Frequency	Picture IF Carrier Frequency: 45.75 MHz Sound IF Carrier Frequency: 41.25 MHz
Radio Frequency	AM: 530-1710 kHz FM: 88-108 MHz
Maximum Sensitivity	VHF: 45 dB mV max UHF/CATV: 48 dB mV max
Antenna	VHF/UHF 75-Ohm Unbalanced
Power Source	AC 120V, 60Hz DC 12V, 1.2A 10 D Batteries
Power Consumption	15 W Maximum
Output Power	1 W
Load Impedance	8 Ohms
Frequency Response	80 Hz-7 kHz (3 dB Bandwidth)
Total Harmonic Distortion (0.5W)	<7%
Input Level	Video: 1 Vp-p (75-Ohm Terminated) Audio: 400 mV RMS
Dimensions (HWD)	7 ¹¹ / ₁₆ × 7 ⁷ / ₈ × 9 ⁵ / ₈ Inches (195 × 200 × 245 mm)
Weight (without battery compartment)	5.3 lb. (2.4 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.

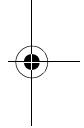
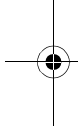
This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs 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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