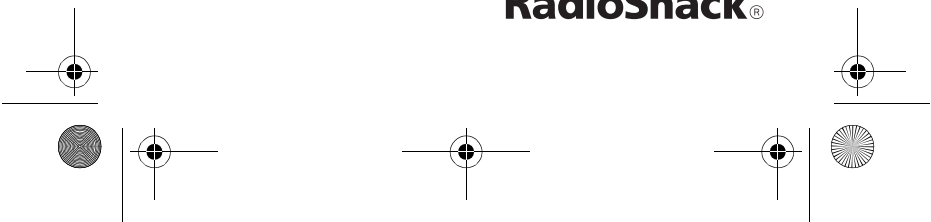


Cat. No. 12-801  
**OWNER'S MANUAL**

Please read before using this equipment.

**AM/FM Self-Powered Radio**





## FEATURES

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Your RadioShack AM/FM Self-Powered Radio lets you enjoy music, sports, and news almost anywhere — even without conventional batteries!

The radio's features include:

**Two Band Tuning** — receives both FM and AM stations.

**Built-In Power Generator (Dynamo)** — you can “crank up” the radio and listen to it under emergency conditions when no power is available.

**Rechargeable Nickel-Cadmium Battery Pack (Included)** — provides reliable, renewable, internal power for everyday use.

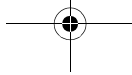
**1<sup>3</sup>/<sub>4</sub>" Diameter Speaker** — provides clear audio in a compact radio.

**Emergency Alarm** — produces a loud, high-pitched beep you can use as an emergency signal.

**Automatic Frequency Control (AFC)** — provides drift-free FM reception with reduced sound distortion.

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**Display Light** — lets you see the dial scale in low light situations.

**Multiple Power Options** — let you power your radio from internal replaceable batteries (not supplied), a supplied rechargeable battery pack, or the built-in power generator.

**Telescoping Antenna** — provides the best radio signal for FM. A built-in AM antenna provides quality AM reception.

**Important:** This radio can use nickel-cadmium rechargeable batteries. At the end of a nickel-cadmium battery's useful life, it must be recycled or disposed of properly. Contact your local, county, or state hazardous waste management authorities for information on recycling or disposal programs in your area or call 1-800-843-7422. Some options that might be available are: municipal curbside collection, drop-off boxes at retailers such as your local RadioShack store, recycling collection centers, and mail-back programs.





## **PREPARATION**



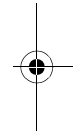
### **CONNECTING POWER**

You can power your radio from any of these sources.

- internal AA batteries (not supplied)
- internal Ni-Cd rechargeable battery pack (supplied)
- built-in power generator (dynamo)



### **Using AA Batteries**



Your radio can use two AA batteries (not supplied) for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

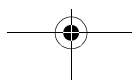
**Caution:**

- 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).

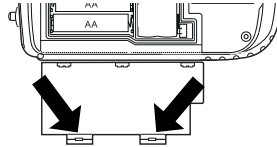
Follow these steps to install batteries.



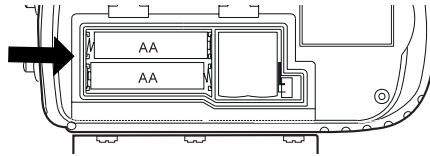
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1. Remove the battery compartment cover by pushing in the cover's two tabs (shown removed) then pulling the cover in the direction of the arrow marked on the cover.

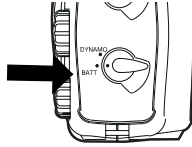


2. Place the batteries in the compartment, as indicated by the polarity symbols (+ and -) marked inside.



3. Replace the cover.

4. Set **DYNAMO/ BATT** to **BATT**.



5. When the radio does not operate properly or the sound weakens, replace the AA batteries.

**Warning:** Dispose of batteries promptly and properly; do not bury or burn them.

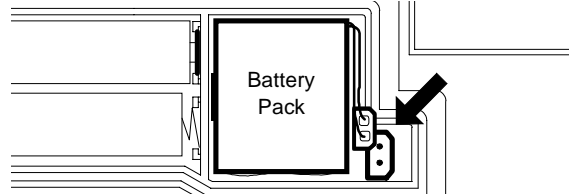
**Caution:** If you do not plan to use the radio for a week or more, remove the AA batteries. That type of battery can leak chemicals that can destroy electronic parts.

### Using the Rechargeable Battery Pack

Your radio has a built-in power generator which can charge the internal rechargeable battery pack and let you play your radio without the AA batteries. When you rotate the crank for as little as 1<sup>1</sup>/<sub>2</sub> minutes, the generator recharges the Ni-Cd battery which powers

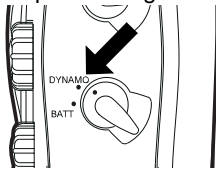
the radio for about 30 minutes. Follow these steps to power your radio using the generator and the rechargeable battery pack.

1. Remove the battery compartment cover.
2. The supplied Ni-Cd battery is installed but not connected. Insert the battery pack's white plug into the socket. Replace the compartment cover.

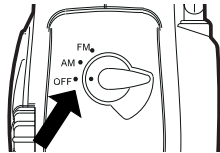


**Caution:** The battery pack's polarized plug fits into the socket only one way. If the plug does not fit properly, turn it over and try again. Do not force it.

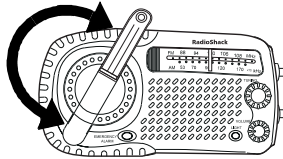
3. Set **DYNAMO/BATT** to **DYNAMO** or **BATT**. Charging takes place using either position.



4. Set **FM/AM/OFF** to **OFF**.



5. Lift the crank and rotate it clockwise or counter-clockwise.



Radio operation time depends on the number of turns and the time per turn. For example, approximately 2 turns per second for 90 seconds will





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provide about 30 minutes of radio operation at a medium volume level. You can recharge the battery pack even while the radio plays.

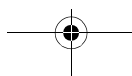
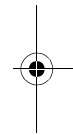
6. Return the crank to the folded position.

If turning the crank at about 2 turns per second for about 1 minute does not power the radio for at least 15 minutes, replace the Ni-Cd battery pack. We recommend RadioShack Cat. No. 23-290, available at your local RadioShack store.

1. Remove the battery compartment cover.
2. Unplug the rechargeable battery pack connector and lift the pack out of the compartment.
3. Insert a new battery pack's plug into the socket then place the battery into the compartment.

**Caution:** The supplied battery pack plug has the red wire toward the top of the radio when inserted correctly. To ensure proper polarity, only use the supplied or recommended replacement battery pack.

4. Replace the compartment cover.



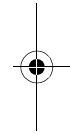
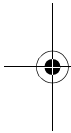


## OPERATION



### PLAYING THE RADIO

1. Rotate **DYNAMO/BATT** to **BATT** if you have installed AA batteries. To power the radio using the Ni-Cd pack or the generator, rotate **DYNAMO/BATT** to **DYNAMO**.
2. Set **FM/AM/OFF** to the desired band.
3. Rotate **TUNING** to select the desired station.
4. Adjust **VOLUME** to a comfortable listening level.
5. To turn off the radio, set **FM/AM/OFF** to **OFF**.



### USING THE DISPLAY LIGHT

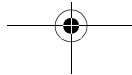
Hold down **LIGHT** to illuminate the dial in low-light conditions.

### USING THE SIGNAL ALARM

Press **EMERGENCY ALARM**. The radio sounds a loud, repeating beep. Press **EMERGENCY ALARM** again to



10




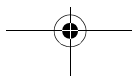
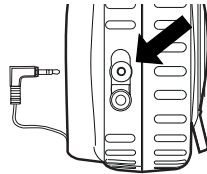
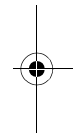


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stop the alarm. Any broadcast stops temporarily when the beep sounds.

## USING EARPHONES/ HEADPHONES

To listen to the radio privately, connect an earphone or headphone with a  $\frac{1}{8}$ -inch (3.5-mm) plug to the  jack beneath the rubber flap on the side of the radio. Plugging in an earphone or headphone disconnects the internal speaker.





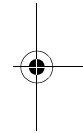
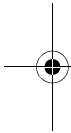
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## Listening Safely

To protect your hearing, follow these guidelines when you use an earphone or headphone.

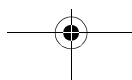
- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over 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 riding a bicycle. This can create a traffic hazard and could be illegal in some areas.

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



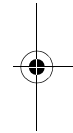


## **CARE**

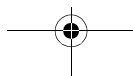


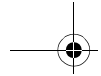
To enjoy your AM/FM Self-Powered Radio for a long time:

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



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





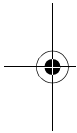
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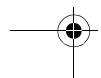
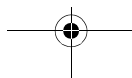
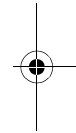
## THE FCC WANTS YOU TO KNOW

Your radio might cause TV or radio interference even when it is operating properly. To determine whether your radio is causing the interference turn off your radio. If the interference goes away, your radio is causing it. Try to eliminate the interference by:

- moving your radio away from the receiver
- contacting your local RadioShack store for help



If you cannot eliminate the interference, the FCC requires that you stop using your radio.



## SPECIFICATIONS

### BANDS

Frequency Range:

AM ..... 530–1710 kHz |  
FM ..... 88–108 MHz

Intermediate Frequency:

AM ..... 455 kHz  
FM ..... 10.7 MHz |

### GENERAL

Power Output (Maximum) ..... 80 mW

Power Requirement ..... 3V DC (2×AA batteries)  
2.4V DC Ni-Cd Battery Pack  
( RadioShack Cat. No. 23-290) |

Speaker Impedance ..... 8 Ohm |

Speaker ..... 1<sup>3</sup>/<sub>4</sub> Inches  
(45 mm)

Antenna:

AM ..... Ferrite Bar  
FM ..... Telescoping Rod

Dimensions (HWD) ..... 3<sup>3</sup>/<sub>4</sub> × 7<sup>1</sup>/<sub>2</sub> × 2<sup>3</sup>/<sub>8</sub> Inches  
(96 × 190 × 61 mm) |

Weight (without batteries) ..... 1 lb 5 oz  
(600 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 limitations on how long an implied warranty lasts or the exclusion or limitation 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

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12A99

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