

# AM/FM PLL Radio

## with Alarm Clock

12-898

OWNER'S MANUAL — Please read before using this equipment.

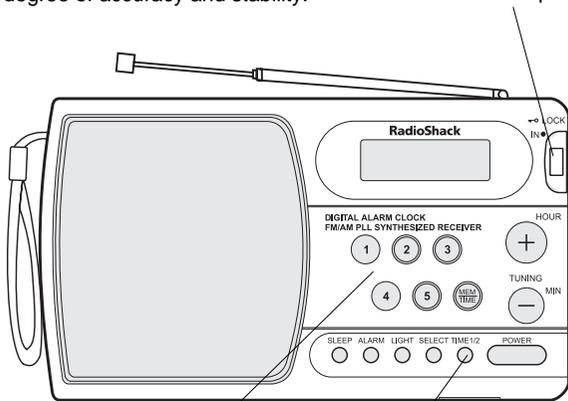
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Thank you for purchasing a RadioShack AM/FM Portable Radio. Your radio is perfect for your active lifestyle. Its portable, lightweight design lets you listen to music, sports, or news on the AM and FM bands almost anywhere you go. The alarm clock and sleep timer features make this radio really useful.

**PLL Tuning** — digital phase locked loop synthesizer provides drift-free frequency tuning with the highest degree of accuracy and stability.

**Lock Switch** — prevents you from accidentally changing the tuned frequency.



**20 Station Memory** — lets you store ten stations from each band into memory for easy access.

**Dual Timer** — lets you keep track of the time in a different time zone.

**Three Power Sources** — lets you power your radio from internal batteries, your vehicle's cigarette-lighter socket (using an optional DC adapter), or AC power (using an optional AC adapter).

**DX/LOC (Sensitivity)** — lets you set the radio for the best reception of distant or local stations.

### ! IMPORTANT !

If an icon appears at the end of a paragraph, go to the box on that page with the corresponding icon for pertinent information.

- |  |           |  |             |
|--|-----------|--|-------------|
|  | — Warning |  | — Important |
|  | — Caution |  | — Hint      |
|  | — Note    |  |             |



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# CONNECTING POWER

## USING INTERNAL BATTERY POWER

When you use batteries, your radio requires four AA batteries for operation. It also uses two AAA batteries for clock and memory station backup. For the best performance and longest life, we recommend RadioShack alkaline batteries.

### CAUTION

#### Using Internal Battery Power

- Always use fresh batteries of the required size and recommended type.
- Dispose of old batteries promptly and properly. Do not burn or bury them.

#### Using AC Power

- You must use (Class 2 for AC) power source that supplies at least 6V DC and delivers at least 300 mA. Its center tip must be set to negative and its plug must fit the radio's **DC 6V** jack. The recommended adapter meets these specifications. Using an adapter that does not meet these specifications could damage the radio or the adapter.
- Always connect the adapter to the radio before you plug it into the power source. Always unplug the adapter from the power source before you unplug it from the radio.



### NOTE

If the radio does not operate when you turn it on, remove the DC adapter from your vehicle's cigarette-lighter socket and check the socket for debris. Also check the fuse in your adapter and your vehicle's fuse block.

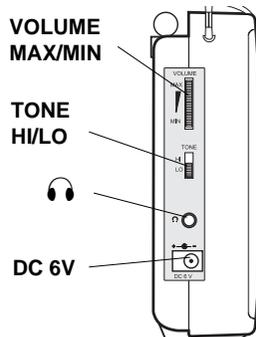
1. Slide the battery compartment cover in the direction of the arrow and remove the cover.
2. Put the two AAA batteries into the lower level of the battery compartment on top of the attached ribbon, as indicated by the polarity symbols (+ and -) marked inside.
3. Put the four AA batteries into the battery compartment as indicated by the polarity symbols (+ and -) marked outside and above the compartment.
4. Replace the cover.

If the radio operates erratically or does not receive strong FM signals, replace the AA batteries. Replace the AAA batteries about every six months.

## USING AC OR DC POWER

To power the radio from an AC outlet or your vehicle's battery power, you need an AC adapter and a size M Adaptaplug™ (neither supplied, available at your local RadioShack store or online at RadioShack.com).

1. Set the adapter's voltage switch to **6V**.
2. Attach the Adaptaplug to the adapter, with the tip set to negative (-).
3. Insert the barrel plug into the radio's **DC 6V** jack. This disconnects the internal batteries.
4. Plug the other end of the adapter into the power source.



# SETTING THE CLOCK

You can use Time 1 and Time 2 to keep track of the time in two different time zones.

1. Turn off the radio, then press **TIME 1/2** to select Time 1 or Time 2. **1** or **2** appears.
2. Press **MEM/TIME**. The display flashes.
3. Within 5 seconds, repeatedly press or hold down **HOUR** to set the hour.
4. Repeatedly press or hold down **MIN** to set the minute.  

5. To view both time zones while the radio is on, hold down **TIME 1/2** for 3 seconds. The time zone last displayed appears.
6. Press **TIME 1/2** again to view the other time zone.

## USING EARPHONES OR HEADPHONES

You can use the built-in speaker, or stereo earphones or headphones (not supplied, available from RadioShack) with a 1/8-inch plug to listen privately to the radio.

To listen to the radio using earphones or headphones, insert the earphones/headphones' plug into the radio's  jack. This disconnects the built-in speaker.

## LISTENING SAFELY

To protect your hearing, following 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.

### **NOTE**

- **PM** appears at a PM hour. **AM** appears at an AM hour.
- When you change the minute setting for one time zone, it automatically changes for both.

**NOTE**

**SENS** only works for FM reception.

## Traffic Safety

Do not wear earphones/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/headphones let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

## USING THE STAND

You can use the radio's stand to set the radio at an angle so you can easily see the display. Simply lift the stand away from the back of the radio and set the radio on a flat surface.

## TUNING THE RADIO

1. Turn **VOLUME** to its lowest setting, then lift and fully extend the antenna.
2. Press **POWER** to turn on the radio. The last tuned frequency appears.
3. Slide **BAND AM/FM** to the desired band.

If you selected the FM band, set **SENS** (Sensitivity) to **DX** or **LOC**.

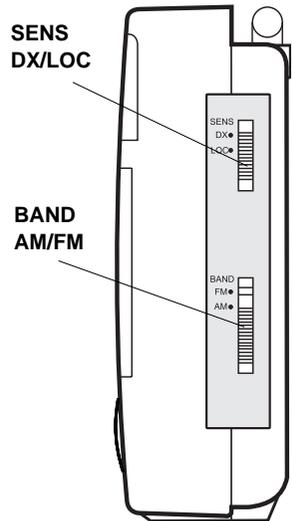
**DX** (distant) – to receive weak (distant) signals

**LOC** (local) – to receive strong (local) signals

4. Press **TUNING +** or **-** to tune up or down to the desired station.

To automatically tune the radio to the next strong signal, hold down **TUNING +** or **-** for about 2 seconds.

5. Rotate **VOLUME** to a comfortable level.
6. Slide **TONE** to **HI** or **LO** to suit your listening preference.
7. To turn off the radio, press **POWER** again.



## USING THE STATION MEMORY

You can store up to 20 stations (10 FM and 10 AM) in memory.

1. Turn on the radio and select a band (see “Tuning the Radio” on Page 4).
2. Press **TUNING +** or **-** to tune to the station you want to store.
3. Press **MEM/TIME**. **MEMO** flashes.
4. Within 5 seconds, repeatedly press **SELECT** until the number for the desired memory location (**1-10**) appears. You can also press a number button (**1-5**) to store a station in a memory location from 1 through 5. The memory number appears.
5. Press **MEM/TIME** again to store the station. 

*To tune to a stored station*, press a number button, or repeatedly press **SELECT** until the number (**1-10**) for the desired memory location appears.

*To replace a stored station*, store a different station in its location.

## USING LOCK

To avoid accidentally changing any front panel settings, set **LOCK** to **ON**. **LOCK** appears above the frequency.

## USING THE BACKLIGHT

Hold down **LIGHT** to illuminate the display for viewing in low light situations.

## USING THE SLEEP TIMER

The sleep timer lets you fall asleep with the radio playing. The radio plays for up to 90 minutes, then turns off automatically.

1. Tune to the desired station.
2. Press **POWER** (if necessary) to turn off the radio.
3. Press **SLEEP**. **SLEEP** and **90** appear and the radio turns on.

### **NOTE**

If you do not store a station within 5 seconds, **MEMO** disappears. Repeat Steps 3-5.

4. To have the radio play for less than 90 minutes, repeatedly press **SLEEP** to decrease the displayed number by increments of 10 minutes.
5. To turn off the radio sooner, press **POWER**.

## SETTING THE ALARM TIME

1. Press **ALARM**. The display flashes and  appears.
2. Within 5 seconds, repeatedly press or hold down **HOUR** to set the alarm hour.
3. Within 5 seconds, repeatedly press or hold down **MIN** to set the alarm minute. The alarm time is set and  appears.

## TURNING THE ALARM ON AND OFF

1. Turn on the radio and tune to the station you want to hear at the set alarm time. 
2. Adjust the volume to the desired level.
3. Turn off the radio.
4. Repeatedly press **ALARM** until  appears to turn on the alarm. At the set alarm time, the radio turns on and plays until you turn it off.
5. To turn off the alarm so it does not sound again the next day, repeatedly press **ALARM** until  disappears.



### NOTE

The radio uses the **Time 1** (not **Time 2**) setting for the alarm.

## CARE

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 carefully; do not drop it. Keep the radio away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

## SERVICE AND REPAIR

If your radio is not performing as it should, take it to your local RadioShack store for assistance. 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.

# THE FCC WANTS YOU TO KNOW

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the *FCC Rules*. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your local RadioShack store or an experienced radio/TV technician for help.
- If you cannot eliminate the interference, the FCC requires that you stop using your radio.

Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### 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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# SPECIFICATIONS

### Frequencies

AM ..... 530 – 1710 kHz

FM ..... 87.5 – 108.1 MHz

Power Sources ..... 4 AA Batteries  
2 AAA Batteries (for backup)  
DC Adapter  
AC Adapter

Dimensions (HWD) .....  $4\frac{3}{8} \times 7\frac{5}{8} \times 1\frac{11}{16}$  Inches  
(111 × 193 × 42 mm)

Weight (without Batteries) ..... 15 oz. (425.25 gm)

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

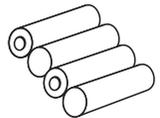
# PARTS AND ACCESSORIES

Parts and accessories are available at your local RadioShack store. Accessories are also available online at [www.radioshack.com](http://www.radioshack.com). Parts and accessories are available but not limited to the following. Visit your local RadioShack store or obtain a RadioShack catalog for a more complete listing of available accessories.

RadioShack carries a wide selection of headphones and earphones so you can listen in comfort at home, or on the go!



RadioShack has a battery (alkaline or rechargeable) to suit your every need.



So you can power your radio using AC or DC power, RadioShack carries just the right adapter.

