

**OPTIMUS<sup>®</sup>**

Cat. No. 12-1619

## CR-319 AM/FM Clock Radio

Your Optimus CR-319 AM/FM Clock Radio comes in a wood-look cabinet and has these special features:

**Red LED Digital Display** — makes the time easy to read.

**Push-Button Operation** — makes the clock radio easy to use.



**Sleep Feature** — lets you program the radio to play for up to 1 hour, 59 minutes before it automatically turns off.

**Snooze Feature** — lets you temporarily turn off the alarm or radio for about 9 minutes so you can get a few extra minutes of sleep.

**Battery Backup with Battery Sentinel<sup>®</sup>** — maintains the time and alarm setting during a power failure and lets you know when the battery needs to be installed or replaced.

**High/Low Dimmer** — lets you adjust the display to suit the room's lighting.

**Warning:** To prevent fire or shock hazard, do not expose this product to rain or moisture.

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
<b>CAUTION:</b> 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.

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## CONNECTING AC POWER

Plug the clock radio's power cord into a standard AC outlet. The display flashes **12:00** until you set the time.

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Your clock radio requires a 9-volt battery (not supplied) for its back-up power system. For the best performance, we recommend an alkaline battery, such as RadioShack Cat. No. 23-553.

**Caution:** Use only a fresh battery of the required size and recommended type.

**Note:** To prevent unnecessary drain on the battery, install it only after connecting the clock radio to AC power.

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## INSTALLING A BACK-UP BATTERY

Your clock radio has a back-up power system that operates the clock and alarm during a power failure. The display turns off, but the clock keeps running for at least 8 hours (depending on battery strength), and the alarm sounds at the alarm time for at least 10 minutes.

The Battery Sentinel indicator, a small red dot at the bottom right of the display, appears if the battery is not installed or needs to be replaced.

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1. Push the battery compartment latch and pull off the compartment cover.
2. Snap the clock radio's battery contacts onto the battery terminals, then insert the battery into the compartment. The Battery Sentinel indicator turns off.
3. Replace the cover.

**Caution:** Never leave an old or weak battery in the clock radio. It could leak and damage the clock radio's electronic parts.

**Warning:** Always dispose of an old battery promptly and properly. Do not bury or burn it.

## SETTING THE TIME

1. While holding down **TIME**, press **HOUR**. The hour digits advance by 1 with each press. (Hold down **HOUR** to continuously advance the digits.)

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**Note:** The PM indicator appears on the bottom left corner of the display if you set the time to a PM hour. The PM indicator disappears if you set the time to an AM hour.

2. While holding down **TIME**, press **MINUTE**. The minute digits advance by 1 with each press. (Hold down **MINUTE** to continuously advance the digits.)

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## ADJUSTING THE DISPLAY CONTRAST

Set **HI DIMMER LO** to **LO** for a dimly lit display, or to **HI** for a bright display.

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## PLAYING THE RADIO

1. Slide **ALARM/AUTO/OFF/ON** to **ON**.

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2. Slide **AM/FM** to the desired band.

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3. Rotate **TUNING** to the desired station.

2. While holding down **ALARM**, press **HOUR**. The time advances by 1 hour with each press.

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**Note:** The AM antenna is built-in. Turn the clock radio for the best AM reception. For the best FM reception, fully extend the AC power cord (which is the FM antenna).

4. Rotate **VOLUME** to the desired sound level.

3. While holding down **ALARM**, press **MINUTE**. The time advances by 1 minute with each press.

**Note:** Hold down **HOUR** or **MINUTE** to continuously advance the digits.

To display the alarm time at any time, press **ALARM**.

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5. To turn off the radio, slide **ALARM/AUTO/OFF/ON** to **OFF**.

### Turning the Alarm On/Off

The alarm indicator lights when the buzzer or radio is set to sound.

To wake to the alarm's buzzer sound, set **ALARM/AUTO/OFF/ON** to **ALARM**. At the preset alarm time, the buzzer sounds, then automatically turns off after 1 hour and 59 minutes.

## USING THE ALARM

### Setting the Alarm Time

1. Slide **ALARM/AUTO/OFF/ON** to **OFF**.

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To wake to the radio, slide **ALARM/AUTO/OFF/ON** to **AUTO**. (Be sure the radio is set to the station you want to hear.) At the preset time, the radio turns on, then automatically turns off after 1 hour and 59 minutes.

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To keep the radio playing, slide **ALARM/AUTO/ON/OFF** to **ON**. To turn off the alarm sooner, set **ALARM/AUTO/OFF/ON** to **OFF**. To reset the alarm to sound again the next day, slide it back to **ALARM** or **AUTO**.

To adjust the radio's volume, rotate **VOLUME**.

### Using Snooze

To silence the alarm for a few minutes, press **SNOOZE** after the radio or buzzer turns on. This silences the radio or buzzer for about 9 minutes. You can press **SNOOZE** as many times as you like.

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### Using the Sleep Timer

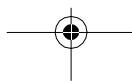
This feature lets you set the radio to play for up to 1 hour and 59 minutes and then automatically turn off. This is useful if you want to have the radio play as you go to sleep.

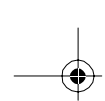
Slide **ALARM/AUTO/OFF/ON** to **OFF**.

To play the radio for 59 minutes, press **SLEEP** once.

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To set a playing time of less than 59 minutes, hold down **SLEEP**, then press **MINUTE**. The time on the display decreases by 1 minute with each press. (Hold down **MINUTE** to continuously decrease the digits.)



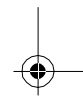
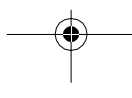
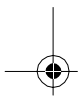
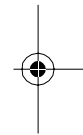
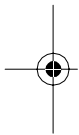


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To set a playing time between 1 hour and 1 hour and 59 minutes:

1. Hold down **SLEEP**. **0 : 59** appears on the display.
2. While you hold **SLEEP**, press **HOUR** once. The time on the display increases to 1 hour, 59 minutes.
3. While you continue to hold down **SLEEP**, press **MINUTE** to have the minute digits decrease by 1 with each press. (Hold down **MINUTE** to continuously decrease the digits.)

To turn off the radio before it automatically turns off, press **SNOOZE**.





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## MAINTENANCE

To enjoy your CR-317 Clock Radio for a long time:

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

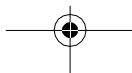
Modifying or tampering with the clock radio's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your clock radio is not performing as it should, take it to your local RadioShack store for assistance.

## THE FCC WANTS YOU TO KNOW

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

- Moving your clock radio away from the TV or radio
- Connecting your clock radio to an outlet that is on a different electrical circuit from the TV or radio
- Contacting your local RadioShack store for help

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



## SPECIFICATIONS

**Bands:**

AM ..... 530–1710 kHz

FM ..... 88–108 MHz

**Intermediate Frequency:**

AM ..... 455 kHz

FM ..... 10.7 MHz

Power Output ..... 300 mW (maximum)

Battery Backup ..... 9V DC

Speaker ..... 2<sup>1</sup>/<sub>4</sub> Inch (76 cm) Ferrite, Dynamic-Type, 8 ohms

Power Requirements ..... 120V AC, 60 Hz, 8 Watts

Dimensions (HWD) ..... 2 × 8<sup>3</sup>/<sub>4</sub> × 5<sup>7</sup>/<sub>8</sub> Inches  
(51 × 222 × 150 mm)

Weight ..... 1 lb 8 oz (670 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.

*We Service What We Sell*

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**RadioShack**  
**A Division of Tandy Corporation**  
**Fort Worth, Texas 76102**

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