

OPTIMUS®

Cat. No. 12-1617

CR-317 AM/FM Clock Radio

Your CR-317 AM/FM Clock Radio has these special features:

Large 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® — maintains the time and alarm settings during a power failure and lets you know when the battery needs to be installed or replaced.

Nightlight with Off/Lo/Hi Control — lets you adjust the nightlight to suit the room's lighting.

Adjustable Alarm Volume — lets you adjust the alarm (buzzer or radio) to a comfortable sound level.

Warning: To prevent 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.

The graphical symbols with supplemental markings are on the back of the clock radio.

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CONNECTING TO AC POWER

Plug the clock radio's power cord into a standard AC outlet. **12:00** flashes.

(Illustration)

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.

1. Lift the battery compartment latch in the direction of the arrow and pull off the cover.

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.

(Illustration)

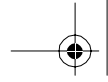
(Illustration)

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: Do not leave an old or weak battery in the clock radio. Batteries can leak and damage the clock'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.)

(Illustration)

Note: The PM indicator appears on the bottom left corner of the display during PM hours.

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

(Illustration)

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

(Illustration)

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

(Illustration)

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

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

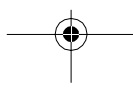
(Illustration)

PLAYING THE RADIO

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

(Illustration)

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





USING THE ALARM

Setting the Alarm Time

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

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

(Illustration)

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

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

Turning the Alarm ON/OFF

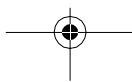
To wake to the alarm sound, slide **ALARM/AUTO/OFF/ON** to **ALARM**. At the preset alarm time, the alarm sounds and the nightlight turns on, then the alarm automatically turns off after 1 hour, 59 minutes.

(Illustration)

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 and the nightlight turn on, then automatically turn off after 1 hour, 59 minutes.

To turn off the alarm sooner, slide **ALARM/AUTO/OFF/ON** to **OFF**. To reset the alarm to sound again at the alarm time on the next day, slide it back to **ALARM** or **AUTO**.

To adjust the volume of the alarm, rotate **VOLUME**.





Using Snooze

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

(Illustration)

(Illustration)

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.

Or, hold down both **SLEEP** and **MINUTE** to continuously decrease the minutes.

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

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

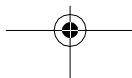
To turn off the radio before it automatically turns off, press **SNOOZE**.

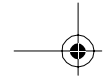
USING THE SLEEP TIMER

This feature lets you set the radio to play for up to 1 hour, 59 minutes, 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.





TURNING ON THE NIGHTLIGHT

To turn on the nightlight, set **NIGHT LIGHT OFF/LO/HI** to **LO** for a dim light, or to **HI** for a bright light.

(Illustration)

Follow these steps to replace the bulb.

1. Lift the tab on the nightlight lens cover at the back of the clock radio.
2. Rotate the bulb counterclockwise to release it from the socket.

(Illustration)

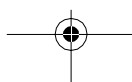
To turn off the nightlight, set **NIGHT LIGHT OFF/LO/HI** to **OFF**.

REPLACING THE NIGHTLIGHT BULB

If the nightlight bulb burns out, you can replace it with a 6-volt, .2-amp bulb. We recommend Cat. No. 272-1108.

Warning: If the nightlight has been on several minutes, let the bulb and bulb socket cool before you touch them.

3. Push a new bulb into the socket and turn it clockwise until it locks.
4. Replace the lens cover.



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 the clock radio.

SPECIFICATIONS

Bands..... AM: 530–1710 kHz
 FM: 88–108 MHz
 Intermediate Frequency AM: 455 kHz
 FM: 10.7 MHz
 Power Output 350 mW (maximum)
 Speaker 3 Inch (7.6cm) Ferrite, Dynamic-Type, 8 ohms
 Power Requirements 120V AC, 60 Hz., 9 Watts, DC 9V
 Dimensions $2\frac{1}{8} \times 7\frac{3}{4} \times 5\frac{3}{16}$ inches (54 × 197 × 132 mm)
 Weight..... 1 lb. 15 oz. (885 g)

Specifications are typical; individual units might vary. Specifications and designs 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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