

# OPTIMUS®

Cat. No. 12-1629

## CR-329 AM/FM Cassette Clock Radio

Your Optimus CR-329 AM/FM Cassette Clock Radio offers you all the conveniences of an alarm clock, an AM/FM radio, and a cassette tape player in one attractive and functional package. You can wake to a sound, the radio, a cassette tape, or a combination. You can fall asleep with the radio playing, and the radio automatically shuts off at a preset time.

Its features include:

**Red Numeric Display with Brightness Control** — makes the clock easy to read.

**Sleep Timer** — plays the radio for up to 1 hour and 59 minutes before it automatically turns off.

**Snooze Feature** — temporarily silences the alarm for about 9 minutes so you can get a few extra minutes of sleep.

**Battery Back-Up** — keeps the clock running and the alarm set if power is interrupted.

**Auto-Stop** — reduces tape wear by turning off and releasing the tape-handling parts when the tape reaches its end.

**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.

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## PREPARATION

### Connecting to AC Power

Plug the clock radio's power cord into a standard AC outlet. The display flashes.

**Caution:** Connecting the clock radio to any other power source might damage the clock radio.

### Installing a Back-Up Battery

To keep the clock running up to 8 hours during an AC power failure, install a 9-volt battery (not supplied) into the battery compartment. For the longest life, we recommend a RadioShack alkaline battery.

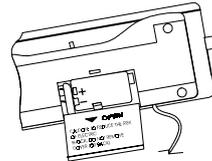
**Caution:** Use only a fresh battery of the required size and recommended type.

**Note:** To prevent unnecessary drain on the battery, plug in the power cord then install the battery.

Follow these steps to install a back-up battery.

1. Slide the battery compartment cover on the bottom of the radio in the direction of the arrow and remove it.

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2. Snap the battery onto the connector in the battery compartment and place the battery in the compartment.
3. Replace the cover.

#### Notes:

- The display does not light when the CR-329 is operating only on battery back-up power.
- If the alarm time occurs while the CR-329 is operating from battery back-up power, the selected alarm (buzzer, radio, cassette tape, or buzzer/cassette tape) sounds for at least 10 minutes.
- A prolonged power failure can drain the battery. If the display flashes after an AC power failure, the battery is too low to run the clock. Replace the battery and reset the clock. Normally, replace the battery about every 6 months.

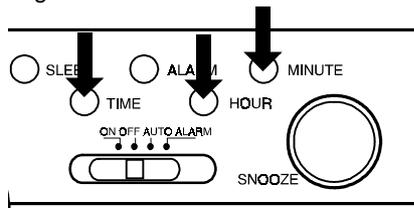
**Warning:** Always dispose of an old battery promptly and properly. Do not burn or bury it.

**Caution:** Always remove an old or weak battery. Batteries can leak chemicals that can destroy electronic parts.

## CLOCK OPERATION

### Setting the Time

Hold down **TIME**, then repeatedly press (or hold down) **HOUR** until the display shows the correct hour setting. **PM** lights when you set a PM hour. Then hold down **TIME**, and repeatedly press (or hold down) **MINUTE** until the display shows the correct minute setting.



**Note:** To prevent changing the time accidentally, always release **HOUR** or **MINUTE** before you release **TIME**.

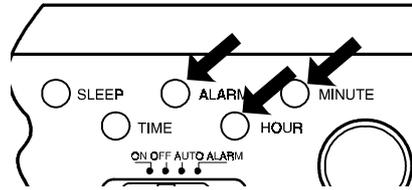
### Changing the Display Brightness

To change the brightness of the display, move **DIMMER** on the back of the clock radio to **HI** or **LO**.

### Setting the Alarm Time

You can set an alarm for a specified time so the buzzer sounds, the radio plays, a cassette tape plays, or the buzzer sounds and a cassette tape plays.

Hold down **ALARM**, then repeatedly press (or hold down) **HOUR** until the desired hour appears. **PM** lights when you set a PM hour. Then hold down **ALARM**, then repeatedly press (or hold down) **MINUTE** until the desired minute appears.

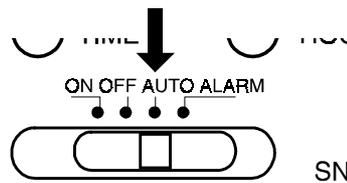


To view the alarm time at any time, hold down **ALARM**.

### Turning the Alarm On/Off

Follow these steps to have the radio turn on at the set alarm time.

1. Set the radio to the desired station and volume (see "Playing the Radio" on Page 5).
2. Set **ON/OFF/AUTO/ALARM** to **AUTO**. **ALARM** lights.



At the preset alarm time, the radio turns on and plays for up to 2 hours. To turn off the radio, set **ON/OFF/AUTO/ALARM** to **OFF**.

To have the buzzer sound at the set alarm time, set **ON/OFF/AUTO/ALARM** to **ALARM**. ALARM lights.

At the preset alarm time, the buzzer sounds.

To stop the buzzer immediately, set **ON/OFF/AUTO/ALARM** to **OFF**.

To stop the buzzer and turn on the radio, set **ON/OFF/AUTO/ALARM** to **AUTO** to play the radio for about 2 hours or to **ON** to leave the radio on.

*Follow these steps to have the buzzer and cassette player turn on at the set alarm time.*

1. Load a cassette tape (see "Loading a Cassette Tape" on Page 5).
2. Set **ON/OFF/AUTO/ALARM** to **ALARM**. ALARM lights.
3. Press **PLAY**.

At the preset alarm time, the buzzer sounds and the cassette plays.

To stop the cassette and buzzer immediately, set **ON/OFF/AUTO/ALARM** to **OFF** and press **STOP**.

To stop the buzzer but have the cassette continue playing, set **ON/OFF/AUTO/ALARM** to **AUTO**. The cassette plays until it reaches the end of the side, then it automatically stops. After the cassette stops, the radio turns on

and plays for the rest of the alarm period.

*Follow these steps to have only the cassette player turn on at the set alarm time.*

1. Load a cassette tape (see "Loading a Cassette Tape" on Page 5).
2. Set **ON/OFF/AUTO/ALARM** to **AUTO**. ALARM lights.
3. Press **PLAY**.

At the preset alarm time, the cassette plays until it reaches the end of the side, then it automatically stops. After the cassette stops, the radio turns on and plays for the rest of the alarm period.

## Using Snooze

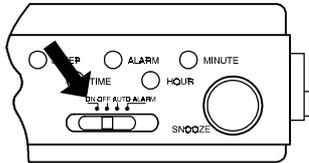
To temporarily silence the alarm (buzzer, radio, cassette, or buzzer/cassette), press **SNOOZE**. This silences the alarm for about 9 minutes.

You can repeat this cycle as many times as you like. To turn off the alarm so it does not sound again, set **ON/OFF/AUTO/ALARM** to **OFF**.

## RADIO OPERATION

### Playing the Radio

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



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

#### Notes:

- The clock radio has a built-in AM antenna. For the best AM reception, rotate the radio.
- The FM antenna is built into the power cord. For the best FM reception, fully extend the power cord.

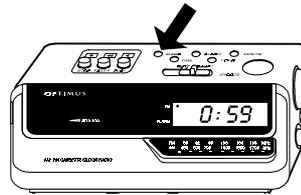
3. Turn **TUNING** to the desired station.
4. Adjust **VOLUME** to a comfortable listening level.
5. To turn off the radio set **ON/OFF/AUTO/ALARM** to **OFF**.

### Using the Sleep Timer

You can set the radio to play for up to 1 hour and 59 minutes then automatically turn off.

1. Set **ON/OFF/AUTO/ALARM** to **AUTO, ALARM, or OFF**.

2. Press **SLEEP**. **0:59** appears on the display and the radio turns on.



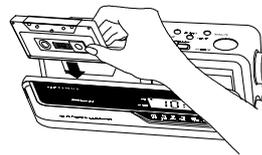
3. Hold down **SLEEP**. Repeatedly press **HOUR** to increase the sleep time to 1 hour and 59 minutes, or repeatedly press **MINUTE** to decrease the minutes setting.

The radio plays for the set length of time then automatically turns off. To turn off the radio before the programmed sleep time has elapsed, press **SNOOZE**.

## CASSETTE OPERATION

### Loading a Cassette Tape

1. Take up any slack in the tape by turning one of the cassette's hubs with a pencil. (If you do not remove excess slack, the tape could tangle in the playback mechanism.) Then open the cassette compartment door by gently pulling open the front of the radio.



2. Load the cassette into the cassette guides on the compartment door. Insert it with its open edge up and the full reel to the right. The side facing you is the side that plays.
3. Close the cassette compartment door.

### Playing a Cassette Tape

1. Set **ON/OFF/AUTO/ALARM** to **ON**.
2. Load a cassette tape.
3. Press **PLAY**. The cassette plays until it reaches the end of the side, then it automatically stops.

#### Notes:

- Press **STOP**, then **FAST-F** to rapidly wind the tape forward. Press **STOP**, then **PLAY** again to resume play.
  - During fast-forwarding, the tape does not automatically stop when it reaches the end. Press **STOP** to release the tape-handling parts and protect the tape.
4. Adjust **VOLUME** to a comfortable listening level.
  5. Press **STOP** to stop playback before it automatically stops.

### CARE

To enjoy your AM/FM Cassette 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.
- Handle the clock radio gently and carefully. Don't drop it.
- Keep the clock radio away from dust and dirt.
- 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 invalidate its warranty. If your clock radio is not performing as it should, take it to your local RadioShack store for assistance.

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## FCC Information

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 the interference. Try to eliminate the interference by:

- moving your radio away from the TV or other radio
- connecting your radio to an outlet that is on a different electrical circuit from the receiver
- contacting your local RadioShack store for help

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

## Cleaning the Tape-Handling Parts

Dirt, dust or particles of the tape's coating can accumulate on the tape heads and other parts that the tape touches. This can greatly reduce the performance of the cassette player. After every 20 hours of tape player operation, clean the tape-handling parts with a cassette deck cleaning kit or use the following cleaning procedure.

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

2. Unplug the clock radio's power cord from the AC outlet.
3. Open the cassette compartment door.
4. Press **PLAY** to expose the tape-handling parts.
5. Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the tape head, pinch roller, tape guides, and capstan
6. When you finish cleaning, press **STOP**, close the cassette compartment door, then plug the clock radio's power cord into a standard AC outlet.

Your local RadioShack store sells a complete line of cassette deck cleaning supplies.

## Restoring Tape Tension and Quality

After you play a cassette tape several times, the tape might become tightly wound on the reels. This can cause playback sound quality to deteriorate.

To restore the sound quality, fast-forward the tape from the beginning to the end of one side, then turn it over and fast-forward it to the end of the other side. Then loosen the tape reels by gently tapping each side of the cassette's outer shell on a flat surface.

**Caution:** Be careful not to damage the cassette when tapping it. Do not touch the exposed tape or allow any sharp objects near the cassette.

**SPECIFICATIONS**

Frequency Range:  
FM: ..... 88–108 MHz  
AM: .....530–1710 kHz  
Tape Speed ..... 1 7/8 ips  
Power Source: 120V AC 60 Hz, 10 W

Backup Battery .....9V DC  
Power Output (max.) ..... 500 mW  
Speaker ..... 3 Inch, 8 ohm, 0.5 W  
Dimensions  
(HWD): ..... 4 1/2 × 8 9/10 × 3 1/10 Inches  
(114 × 226 × 79 mm)  
Weight ..... 1 lb, 15 oz (850 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.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

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