



Dual Alarm AM/FM Clock Radio with SmartSet® Automatic Time Setting System and Sure Alarm™

(U.S. Patent No. 6,567,344)

OWNER’S MANUAL

CKS9051/CKS9031

Visit our web site at www.emersonradio.com

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



The lightning flash with arrow-head symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

 This is CLASS II apparatus with double insulation, and no protective earth provided.

The Caution Marking located at the bottom enclosure of the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

- 1.) Read these instructions. Keep these instructions. Follow all instructions. Heed all warnings.
 - 2.) Do not use this apparatus near water.
 - 3.) Clean only with dry cloth.
 - 4.) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
 - 5.) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
 - 6.) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
 - 7.) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
 - 8.) Only use attachments / accessories specified by the manufacturer.
 - 9.) Unplug this apparatus during lightning storms or when unused for long periods of time.
 - 10.) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
 - 11.) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
 - 12.) The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.
 - 13.) Main plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnect from the mains socket outlet completely.
 - 14.) Battery shall not be exposed to excessive heat such as sunshine, fire or the like.
- CAUTION:** Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- PRÉCAUTION:** Danger d'explosion si les piles sont remplacées de façon incorrecte. Remplacer les piles seulement par le même type de pile ou l'équivalent.



Congratulations!
And thank you for purchasing the SmartSet® Clock Radio from Emerson.
SmartSet® is the world's first and only LED clock radio that will automatically set itself to the correct 'Year', 'Month', 'Date', 'Day', and 'Time' as soon as you plug it in. The only thing you have to do is tell the SmartSet® what time zone you are in, and the built in computer does everything else for you immediately. And not only the first time, but every time the power is interrupted as well.
Someday all clocks and clock radios may be this smart. But today the technology is only available from Emerson.
We're sure you'll be happy and amazed by your SmartSet® Clock Radio, and that it will give you many years of enjoyment and dependable service.
Once again, all of us at Emerson thank you for your purchase.

IMPORTANT NOTES

- Avoid installing this unit in places exposed to direct sunlight or close to heat radiating appliances such as electric heaters, on top of other stereo equipment that radiates too much heat, places lacking ventilation or dusty areas, places subject to constant vibration and/or humid or moist areas.
- Operate controls and switches as described in the manual.
- Before turning on the power, make certain that the AC power cord is properly installed.
- When moving the set, be sure to first disconnect the AC power cord.

FCC Information

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 the dealer or an experienced radio/TV technician for help.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

PREPARATION FOR USE

Unpacking And Set Up

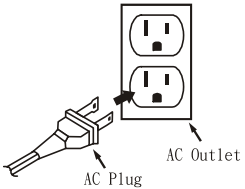
- Remove the radio from the carton and remove all packing material from the radio. We suggest that you save the packing material, if possible, in the unlikely event that your radio ever needs to be returned for service. The original carton and packing material is the only safe way to pack your radio to protect it from damage in transit.
- Remove any descriptive labels or stickers on the front or top of the cabinet. Do not remove any labels or stickers from the back or bottom of the cabinet.
- Note the serial number on the bottom of your radio and write this number in the space provided on Warranty page of this manual.
- Place your radio on a level surface such as a table, desk or shelf, convenient to an AC outlet, out of direct sunlight, and away from sources of excess heat, dirt, dust, moisture, humidity, or vibration.
- Unwind the AC power cord and extend it to its full length. The FM antenna is built in to this cord. It must be fully extended to provide the best FM reception.

Protect Your Furniture

This model is equipped with non-skid rubber 'feet' to prevent the product from moving when you operate the controls. These 'feet' are made from non-migrating rubber material specially formulated to avoid leaving any marks or stains on your furniture. However certain types of oil based furniture polishes, wood preservatives, or cleaning sprays may cause the rubber 'feet' to soften, and leave marks or a rubber residue on the furniture. To prevent any damage to your furniture we strongly recommend that you purchase small self-adhesive felt pads, available at hardware stores and home improvement centers everywhere, and apply these pads to the bottom of the rubber 'feet' before you place the product on fine wooden furniture.

Power Source

This radio is designed to operate on normal 120V 60Hz AC power only. Do not attempt to operate the radio on any other power source. You could cause damage to the radio that is not covered by your warranty.
This radio should be connected to an AC outlet that is always 'live'. Do not connect it to an outlet that is controlled by a wall switch. When the power to the radio is interrupted, the built in lithium battery takes over to maintain the time and alarm settings. To maximize the life of the lithium battery keep the radio connected to a 'live' AC outlet at all times.
You will note that this system is equipped with a polarized AC power plug having one blade wider than the other. This is a safety feature. If this plug does not fit into your existing AC outlet, do not try to defeat this safety feature by filing the wide blade to make it fit into your outlet. If this plug will not fit into your outlet, you probably have an out-dated non-polarized AC outlet. You should have your outlet changed by a qualified licensed electrician.

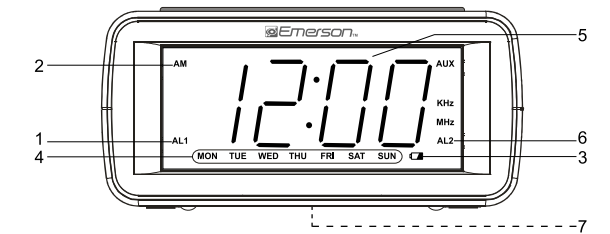


Sure Alarm battery Back-Up System

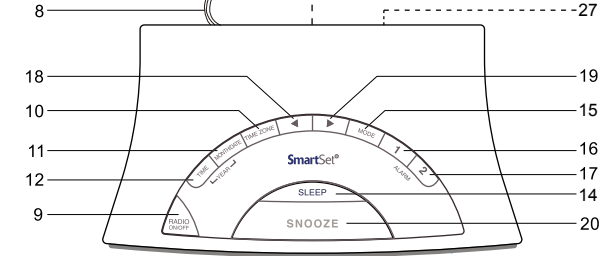
This SmartSet® Clock Radio includes a Sure Alarm battery back-up circuit that can wake you up even if the power is 'Off' at the selected wake up time. If your power is 'Off' at the selected wake up time the clock display will be off and the radio will not operate, but a separate mini-buzzer will turn 'On' automatically to wake you up, even if you had selected the "Wake to Radio" option.
The Sure Alarm will sound for 30 seconds and then shut off automatically.
To stop the Sure Alarm buzzer immediately, press the **RADIO ON/OFF** button.
Pressing the **SNOOZE** button has no effect during Sure Alarm operation.
Note: In order to maximize the life of the built in lithium battery, please be sure to set the **ALARM 1** and **ALARM 2** switches to the **"OFF"** position if the radio will be disconnected from the AC outlet for more than a few hours. This will prevent the Sure Alarm from turning 'On' unnecessarily.

LOCATION OF CONTROLS AND INDICATORS

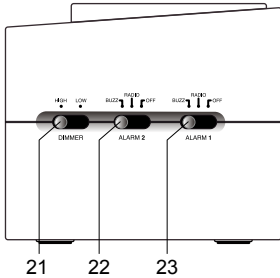
Front Panel



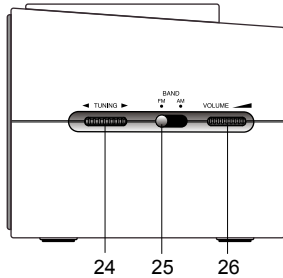
Top Panel



Left Side Panel



Right Side Panel



- 1.) **ALM 1** 'On' Indicator.
- 2.) **AM** Indicator.
- 3.) **LOW BATT.** () LED Indicator.
- 4.) Day LED Indicators.
- 5.) Time/Date Display.
- 6.) **ALM 2** 'On' Indicator.
- 7.) Back Up Battery Compartment (Bottom Cabinet).
- 8.) AC Power Cord (Back Cabinet).
- 9.) **RADIO ON/OFF** Button.
- 10.) **TIME ZONE** Button.
- 11.) **MONTH/DATE** Setting Button.
- 12.) **TIME** Setting Button.
- 13.) Speaker.
- 14.) **SLEEP** Button (Sleep To Music Timer)
- 15.) **ALARM MODE** Button.
- 16.) **ALARM 1** setting Button.
- 17.) **ALARM 2** setting Button.
- 18.) **SET** ◀ (Down) Button.
- 19.) **SET** ▶ (Up) Button.
- 20.) **SNOOZE (SLEEP OFF)** Button.
- 21.) Display **DIMMER (HIGH/LOW)** Switch.
- 22.) **ALARM 2 (BUZZER/RADIO/OFF)** Selector Switch.
- 23.) **ALARM 1 (BUZZER/RADIO/OFF)** Selector Switch.
- 24.) **TUNING** Control.
- 25.) **Band(AM/FM)** Switch.
- 26.) **VOLUME** Control.
- 27.) **AUX IN JACK**

OPERATING INSTRUCTIONS

Setting The Time, The First Time

IMPORTANT: The first time you connect your new SmartSet® clock radio to the AC outlet the internal computer will automatically set the time correctly for the Eastern Time Zone, which is the initial default setting. The display will scan for a few seconds and then show the correct **Day** and **Time** in the Eastern zone. If you live in the Eastern Time zone, there's nothing else to do. Your clock is set correctly and running.

If you do not live in the Eastern Time zone you must change the default zone display to your own zone. You only do this one time and the SmartSet® will remember the new default zone setting and will always return to that setting after a power interruption

There are 7 time zones programmed into your SmartSet® clock radio as follows:

ZONE 1	—	Atlantic Time	ZONE 2	—	Eastern Time (Default Setting)
ZONE 3	—	Central Time	ZONE 4	—	Mountain Time
ZONE 5	—	Pacific Time	ZONE 6	—	Yukon Time
ZONE 7	—	Hawaiian Time			

To change the default time zone display, depress the **TIME ZONE** button. The number "2" will appear on the display indicating that the default zone is ZONE 2, Eastern Time.

Hold the **TIME ZONE** button and then press either the **SET** ▶ (Up) or **SET** ◀ (Down) buttons until your own time zone appears on the display, then release the buttons. The clock display will change to the correct time in the time zone you selected. The clock will always return to the correct time in the zone you selected after every power interruption. If you move to a different time zone, simply change the default zone display to the new zone and the SmartSet® will remember that setting for you.

Date Display

To view the correct Date at any time, depress the **MONTH/DATE** button. The display changes from Time to Month and Date (MM/DD). For example, May 21st will appear as "5 21". When you release the **MONTH/DATE** button the display returns to the correct Time.

Year Display

To view the correct Year, depress the **MONTH/DATE** and **TIME** buttons together. The display changes from Time to Year. When you release the **MONTH/DATE** and **TIME** buttons the display returns to the correct Time.

Daylight Saving and Leap Year Adjustments

- All Daylight Saving and Leap Year adjustments are made automatically by the SmartSet® internal computer as follows:
- **Start of Daylight Saving Time:**
At "2:00 AM" on the 2nd Sunday in March, the clock will automatically advance to "3:00 AM".
 - **End of Daylight Saving Time:**
At "3:00 AM" on the 1st Sunday in November, the clock will automatically reset to "2:00 AM".
 - **Leap Year:**
At "12:00 Midnight" on February 28th, the calendar display will change to "2 29".

Using AUX IN Jack to enjoy your iPod(R) or MP3 player
This clock radio is equipped with **AUX IN** jack to enjoy iPod, MP3 player music or other audio source.

- 1.) Turn on the clock radio by pressing the **RADIO ON/OFF** button.
- 2.) Connect your iPod, MP3 player or other audio source from its earphone jack