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> Emerson SmartSet Dual Alarm Clock Radio with AM/FM Radio, Dimmer, Sleep Timer and .9" LED Display, CKS1900

Emerson CKS1900

Emerson SmartSet Dual Alarm Clock Radio

Model: CKS1900

Brand: Emerson

INTRODUCTION

The Emerson CKS1900 SmartSet Dual Alarm Clock Radio is designed for effortless time management and personalized wake-up experiences. Featuring patented SmartSet technology, the clock automatically sets itself to the correct year, month, date, day, and time upon initial setup and after power interruptions. It includes a large, easy-to-read LED display with dimmer control so it is easy on your eyes in the dark. The alarm can be programmed to operate on weekdays only, weekends only, or all seven days of the week. The alarm displays the month and date with the touch of a button. Set the alarm to wake you to your favorite AM/FM music or news station, or to the buzzer. The clock radio adjusts itself automatically for daylight savings time and leap year, as well as maintains the correct time when the power returns after power outages. Getting out of bed will no longer be a chore with the help of the CKS1900.

KEY FEATURES

- **Crystal-Clear 0.9" Jade Green LED Display:** Provides excellent visibility and an elegant appearance.
- **Effortless Time Management:** Automatically sets time, date, and adjusts for Daylight Saving Time and leap year. Retains time settings after power outages.
- **Dual Alarm System:** Program two independent alarms for weekdays, weekends, or daily operation. Wake to AM/FM radio or buzzer.
- **Adjustable Dimmer Control:** 4-level LED display dimmer allows customization of brightness for optimal viewing in any lighting condition.
- **AM/FM Digital Tuning Radio:** Enjoy high-quality sound from your favorite radio stations.
- **Snooze and Sleep Timer:** Features a versatile snooze function and a programmable sleep-to-music timer.
- **Compact Design:** Thoughtfully crafted with dimensions of 6.1" W x 4.9" D x 2.5" H, ideal for bedside tables.

PACKAGE CONTENTS

Please ensure all items are present upon unboxing:

- Emerson SmartSet Dual Alarm Clock Radio (CKS1900)
- AC Power Adapter
- CR2 Battery (for backup)
- User Manual (this document)

CONTROLS AND DISPLAY

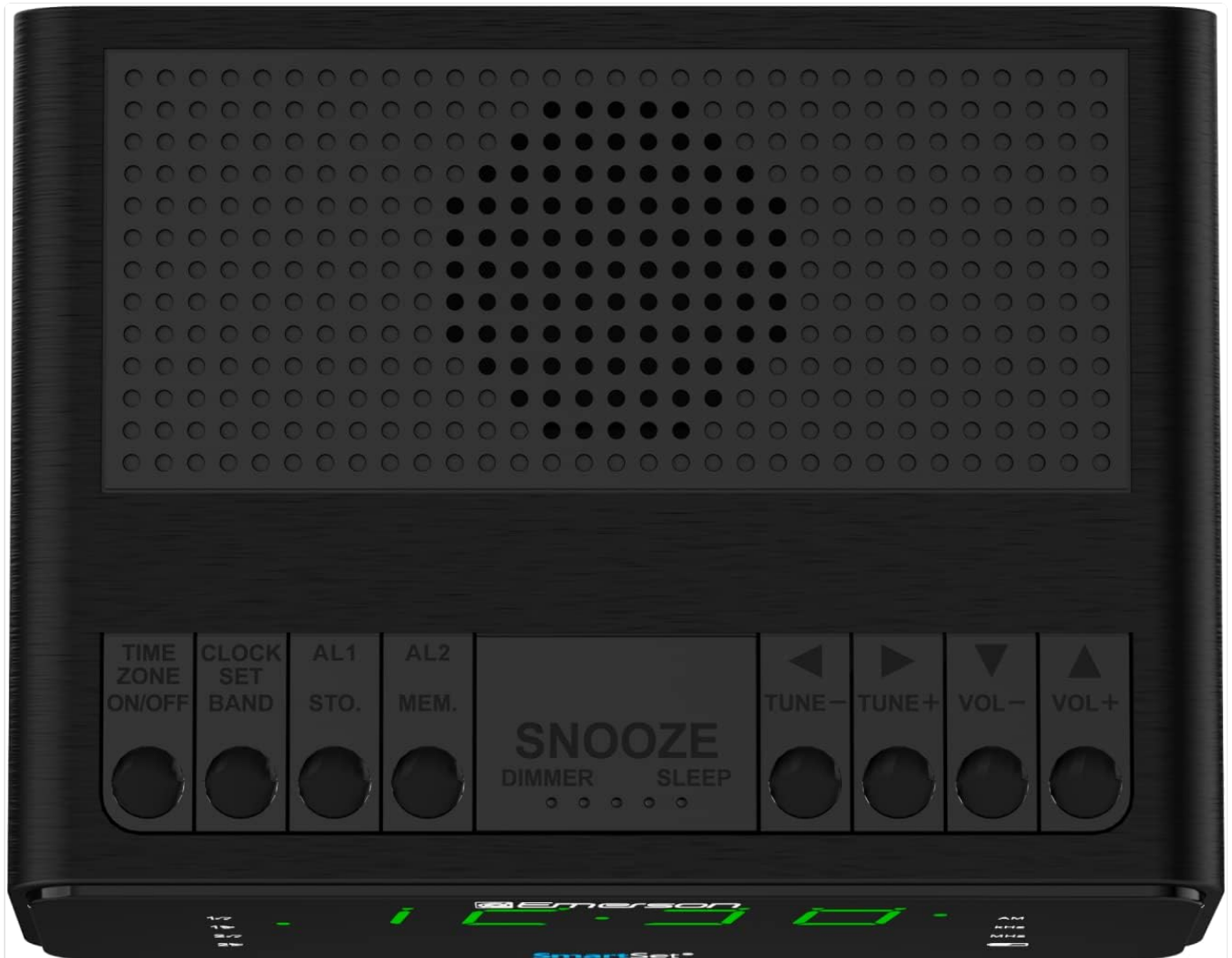


Figure 1: Top view of the Emerson CKS1900 SmartSet Dual Alarm Clock Radio, showing the layout of control buttons.

The control buttons are located on the top panel of the unit, and the display is on the front. Familiarize yourself with the following:

- **TIME ZONE / ON/OFF Button:** Used to select time zone and power the unit on/off.
- **CLOCK SET / BAND Button:** Used to set the clock and switch between AM/FM radio bands.
- **AL1 / STO. Button:** Used to set Alarm 1 and store radio presets.
- **AL2 / MEM. Button:** Used to set Alarm 2 and recall radio presets.
- **SNOOZE / DIMMER / SLEEP Button:** Activates snooze, adjusts display brightness, and sets the sleep timer.
- **TUNE - / TUNE + Buttons:** Used to tune radio frequencies or adjust time/date settings.
- **VOL - / VOL + Buttons:** Used to adjust the volume level.



Figure 2: Front view of the clock radio, showing the large green LED display.

SETUP

1. Power Connection

Connect the AC power adapter to the DC IN jack on the back of the unit, then plug the adapter into a standard AC wall outlet (120V AC, 60Hz). The unit will power on automatically.

2. Battery Backup Installation

For continuous timekeeping during power outages, install the included CR2 battery into the battery compartment on the bottom of the unit. Ensure correct polarity (+ and -) as indicated inside the compartment. The battery backup maintains time and alarm settings but will not power the display or radio.

3. Initial Time Setting (SmartSet Technology)

Upon first connection to power, the SmartSet technology automatically sets the clock to the correct year, month, date, day, and time for the Eastern Time Zone (EST). If you are in a different time zone, you will need to adjust it manually.

1. Press and hold the **TIME ZONE** button. The current time zone will flash on the display.
2. While holding **TIME ZONE**, press the **TUNE +** or **TUNE -** button to cycle through the time zones: AST (Atlantic), EST (Eastern), CST (Central), MST (Mountain), PST (Pacific), AKT (Alaska), HST (Hawaii).
3. Release the **TIME ZONE** button when your desired time zone is displayed. The clock will automatically adjust.

4. Daylight Saving Time (DST) Adjustment

The clock automatically adjusts for Daylight Saving Time. To manually override or enable/disable this feature:

1. Press and hold the **TIME ZONE** button.
2. While holding **TIME ZONE**, press the **AL1** button to toggle DST ON or OFF. "DST ON" or "DST OFF" will appear on the display.
3. Release the **TIME ZONE** button.

OPERATING INSTRUCTIONS

Setting the Clock Manually

While the SmartSet feature handles initial time, you can manually adjust the time if needed:

1. Press and hold the **CLOCK SET** button. The time will begin to flash.
2. While holding **CLOCK SET**, press the **TUNE +** or **TUNE -** button to adjust the hour. Pay attention to the AM/PM indicator.
3. Press **CLOCK SET** again to set the minutes. The minutes will flash.
4. While holding **CLOCK SET**, press the **TUNE +** or **TUNE -** button to adjust the minutes.
5. Release the **CLOCK SET** button to save the time.

Setting Alarms (AL1 and AL2)

The unit features two independent alarms. The process is similar for both.

1. Press and hold the **AL1** (for Alarm 1) or **AL2** (for Alarm 2) button. The alarm time will flash.
2. While holding the alarm button, press **TUNE +** or **TUNE -** to adjust the alarm hour. Observe the AM/PM indicator.
3. Press the alarm button again to set the minutes. The minutes will flash.
4. While holding the alarm button, press **TUNE +** or **TUNE -** to adjust the alarm minutes.
5. Press the alarm button again to select the alarm source: "BUZ" (buzzer) or "RAD" (radio).
6. Press the alarm button again to select the alarm mode: "7 DAYS" (daily), "WEEKDAYS" (Monday-Friday), or "WEEKENDS" (Saturday-Sunday).
7. Release the alarm button to save the settings. The corresponding alarm indicator (AL1 or AL2) will light up on the display.

To turn an alarm off, press the corresponding **AL1** or **AL2** button once. The alarm indicator will turn off.

Snooze Function



Figure 3: A hand reaching to press the large SNOOZE button on top of the clock radio.

When an alarm sounds, press the large **SNOOZE** button on top of the unit to temporarily silence the alarm for approximately 9 minutes. The alarm will sound again after the snooze period.

Sleep Timer

The sleep timer allows you to fall asleep to the radio, which will automatically turn off after a set period.

1. While the radio is playing, press the **SLEEP** button (part of the SNOOZE/DIMMER/SLEEP button). The display will show the sleep timer duration (e.g., "90").
2. Press the **SLEEP** button repeatedly to cycle through available sleep times (90, 60, 30, 15 minutes, or OFF).
3. The radio will play for the selected duration and then automatically turn off.

Radio Operation (AM/FM)

To listen to the radio:

1. Press the **ON/OFF** button to turn on the radio.
2. Press the **BAND** button to switch between AM and FM bands.
3. Use the **TUNE +** or **TUNE -** buttons to manually tune to a desired frequency. Press and hold these buttons to auto-scan for the next available station.
4. Adjust the volume using the **VOL +** or **VOL -** buttons.

Setting Radio Presets:

1. Tune to the desired station.
2. Press and hold the **AL1 / STO.** button until "P 01" (or the next available preset number) flashes on the display.
3. Use the **TUNE +** or **TUNE -** buttons to select the desired preset number (P01-P10 for each band).
4. Press the **AL1 / STO.** button again to confirm and save the station.

Recalling Radio Presets:

1. Press the **AL2 / MEM.** button repeatedly to cycle through your saved preset stations.

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Video 1: Official product video demonstrating the features of the Emerson CKS1900 Clock Radio. This video provides a general overview of the unit's functions and design.

Adjusting Display Brightness (Dimmer)



Figure 4: Illustration of the four dimmer levels available for the LED display, from High to Low.

To adjust the brightness of the LED display:

1. Press the **DIMMER** button (part of the SNOOZE/DIMMER/SLEEP button) repeatedly to cycle through the 4 brightness levels: High, Medium, Medium Low, and Low.
2. Select the level that is most comfortable for your viewing environment.

MAINTENANCE

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** If the clock loses time during power outages, the CR2 backup battery may need replacement. Follow the installation steps in the "Setup" section.
- **Antenna:** For optimal FM reception, extend the built-in FM wire antenna fully. For AM reception, rotate the unit for best signal.

TROUBLESHOOTING

Problem	Possible Cause / Solution
Clock display is too bright or too dim.	Press the DIMMER button repeatedly to cycle through the 4 brightness levels until desired brightness is achieved.
Clock does not set automatically or loses time.	<p>Ensure the unit is properly plugged into a live AC outlet.</p> <p>Verify the correct time zone is selected.</p> <p>Check if the CR2 backup battery is installed correctly and is not depleted. Replace if necessary.</p> <p>If manually set, ensure the time was saved correctly.</p>

Problem	Possible Cause / Solution
Radio reception is poor.	For FM, fully extend the wire antenna. For AM, rotate the unit to find the best reception. Move the unit away from other electronic devices that may cause interference.
Buttons are difficult to read.	The buttons are black with black print. Use adequate lighting when operating the unit, especially during initial setup or alarm adjustments.
Alarm does not sound.	Ensure the alarm is activated (AL1 or AL2 indicator is lit on the display). Verify the alarm time is set correctly (AM/PM). Check the alarm mode (7 DAYS, WEEKDAYS, WEEKENDS) matches your desired wake-up days. If waking to radio, ensure the radio volume is not set to minimum.

SPECIFICATIONS

Feature	Detail
Brand	Emerson
Model	CKS1900
Color	Black
Display Type	Digital LED (Jade Green)
Display Size	0.9 inches
Product Dimensions (W x D x H)	6.1" x 4.9" x 2.5"
Item Weight	14.4 ounces
Power Source	Corded Electric
Battery Backup	1 x CR2 battery (included)
Radio Bands	AM/FM
Special Features	SmartSet Auto Time Setting, Dual Alarm, Snooze, Sleep Timer, 4-Level Dimmer, Daylight Saving Adjustment
Material	Plastic

WARRANTY AND SUPPORT

This Emerson product is covered by a manufacturer's warranty. For specific warranty details, including duration and coverage, please refer to the documentation included with your purchase or visit the official Emerson website. For technical support or service inquiries, please contact Emerson customer service.

Note: Keep your purchase receipt as proof of purchase for warranty claims.

