



DUAL ALARM PROJECTION CLOCK RADIO



USER MANUAL

JCR-235

PLEASE READ THIS USER MANUAL COMPLETELY BEFORE
OPERATING THIS UNIT AND RETAIN
THIS BOOKLET FOR FUTURE REFERENCE.

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 and arrow head within the triangle is a warning sign alerting you of "dangerous voltage" inside the product.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (ON BACK), NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product.

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. 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 wider 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.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a 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.



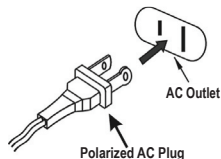
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This apparatus shall not be exposed to dripping or splashing water and that no object filled with liquids such as vases shall be placed on the apparatus.
16. Main plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus completely, the main plug should be disconnected from the main socket outlet completely.
17. Battery shall not be exposed to excessive heat such as sunshine, fire or the like.
18. The marking information is located at the bottom of the apparatus.
19. The Caution Marking is located at the bottom of the apparatus.
20. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts



CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF AC PLUG TO WIDE SLOT. FULLY INSERT.



SAVE THESE INSTRUCTIONS

COMPLIANCE WITH FCC REGULATION

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.

NOTE: 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.

WARNING

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

DEAR JENSEN® CUSTOMER

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing. Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

Set the dial and leave it there. Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For a Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise.



Customer's Record:

The serial number of this product is found on its bottom cover. You should note the serial number of this unit in the space provided as a permanent record of your purchase to aid in identification in the event of theft or loss.

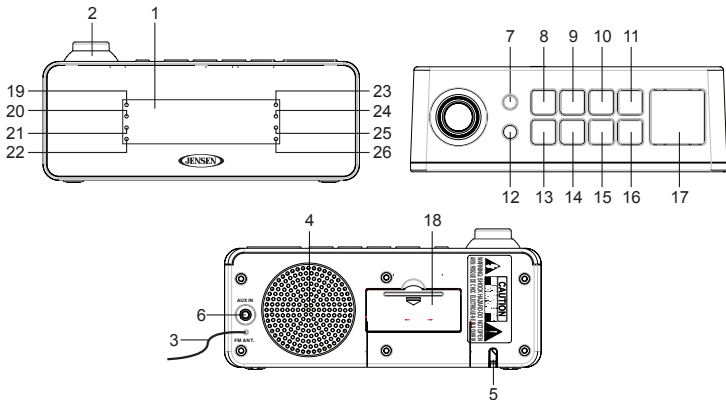
Model Number: JCR-235

Serial Number: _____

PROTECT YOUR FURNITURE!!

This system 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.

LOCATION OF CONTROLS



1. LED DISPLAY
2. TIME PROJECTOR
3. EXTERNAL FM WIRE ANTENNA
4. BUILT-IN SPEAKER
5. AC POWER CORD
6. AUX IN JACK
7. INVERT BUTTON: Inverts the Image of the Projected Time
8. SCAN/M+ BUTTON: Auto Scan / Recall radio stations
9. M/CLOCK BUTTON: MEMORY / TIME Set
10. ◀ HR. BUTTON: Tuning Down / HOUR Setting
11. ▶▶ MIN. BUTTON: Tuning Up/ MINUTE Setting
12. PROJECTION BUTTON: Projector On/Off Control
13. ⏻ 📻 AUX BUTTON: Power On/Standby / Radio Band / AUX IN Mode Select
14. NAP/ SLEEP BUTTON
15. 🔔 →▶ BUTTON: ALARM 2 Set/ VOLUME Down
16. 🔔 🔊 + BUTTON: ALARM 1 Set / VOLUME Up
17. SNOOZE / DIMMER BUTTON: 9 Minute Snooze / Hi/Lo Display Dimmer
18. BATTERY COMPARTMENT
19. AM INDICATOR
20. 🔔 ALARM 1 INDICATOR
21. 🔔 ALARM 2 INDICATOR
22. SNOOZE INDICATOR
23. FM INDICATOR
24. AM INDICATOR
25. SLEEP INDICATOR
26. NAP INDICATOR

POWER SOURCE

AC POWER CONNECTION

This product operates on 120V ~ 60Hz AC power supply. Plug the AC power cord into a household outlet AC source.

INSTALLING THE BACK-UP BATTERIES

This unit is equipped with a battery back-up system, requiring two DC 1.5V "AAA" (UM-4) batteries (not included) to maintain the time settings and radio presets during AC power outage.

1. Remove the battery compartment door.
2. Install 2 fresh alkaline batteries into the battery compartment following the polarity diagram inside.
Use only the specified size and type of batteries.
3. Replace the battery compartment door.

Note: The unit will operate without a battery installed but your time & alarm setting will be lost and will have to be reset in the event of power interruption or failure.


IMPORTANT:

Be sure that the battery is installed correctly. Wrong polarity may damage the unit and void the warranty. For best performance and longer operating time, we recommend the use of good quality alkaline battery.

BATTERY CARE:

- Use only the size and type of battery specified.
- If the unit is not to be used for an extended period of time, remove the battery. Old or leaking batteries can cause damage to the unit and may void the warranty.
- Do not try to recharge batteries not intended to be recharged; they can overheat and rupture (Follow battery manufacturer's directions).
- Do not dispose of batteries in fire, batteries may leak or explode.

POWER ON/STANDBY

1. In standby mode, press the POWER/STANDBY  button once to turn on the unit.
2. Press and hold  button for about 2 seconds to return the unit to standby mode.

CLOCK SETTING






1. In standby mode, press and hold the CLOCK button, the LED DISPLAY will flash to prompt for input.
2. Tap the HR. button repeatedly to set the hour. Press and hold for fast forwarding.
3. Tap the MIN. button repeatedly to set the minute. Press and hold for fast forwarding.
4. Press the CLOCK button to confirm.

Notes:



- During the time set, if no buttons are pressed within 5 seconds, the current display time will be automatically stored.
- Make sure the hour is set so that the AM indicator is displayed correctly for morning time.

ALARM SETTING













SETTING THE ALARMS

1. In standby mode, press and hold the ALARM  or  button for a few seconds until the LED DISPLAY flashes.
2. Press  or  to select the wake up source: FM (FM frequency and indicator flash), AM (AM frequency and indicator flash) or beep tone .




Note: Be sure to observe the AM indicator when setting the alarm to make sure the alarm time is set correctly for AM or PM. If the AM INDICATOR is 'On', the alarm time will be "AM".

3. Press  or  then press HR. and/or MIN. to set the alarm time.



Note: If you selected wake up to radio, the last radio setting will be used when the alarm time is reached. Make sure the frequency and volume is set properly before putting the unit into standby mode for next day alarm.

4. Press  or  button to confirm, the ALARM INDICATOR  or  lights up steady.
5. To disable ALARM 1/2 from automatically sounding on the upcoming days, tap the  or  button, the corresponding ALARM INDICATOR  or  will go off.
6. To resume ALARM 1/2, tap the respective ALARM  or  button, the corresponding ALARM INDICATOR  or  will turn on and the alarm(s) will sound the next day at the set time.


TURNING OFF THE ALARM

When the pre-set alarm time is reached, the alarm or radio will sound for 60 minutes unless interrupted by pressing SNOOZE. To stop the alarm immediately, tap the corresponding ALARM  or  button or POWER ON/STANDBY  button.

SNOOZE FUNCTION

When the alarm source is sounding, press the SNOOZE button to suspend the alarm and activate the snooze function. Alarm will temporarily stop and will sound again 9 minutes later but the ALARM  and  and SNOOZE INDICATORS will keep flashing.

Notes:

- This manual snooze operation can be repeated again and again for a maximum of 5 times.
- To turn off the snooze function when it activates, tap the corresponding ALARM button or the  button. The flashing SNOOZE INDICATOR goes off.



TIME PROJECTION

1. Turn "On" or "Off" the projector with the PROJECTION button.
2. Project the time on a light/flat surface such as the ceiling.
3. Swivel the projector to position the projected time as desired.
4. If necessary, you may invert the projected time 180° with the INVERT button, so it displays properly.



Note: If "AM" is displayed, the projected time is morning time.

LISTENING TO THE RADIO





RADIO TUNING

1. Press the POWER/STANDBY  button to turn on the unit.
2. Tap the MODE  button repeatedly to select the AM or FM band. The corresponding indicator will light up.

AUTOMATIC SEARCH FOR RADIO STATIONS

To automatically search for stations with strong signals, press and hold the TUNING DOWN  or UP  button until frequency readout on the display begins to scan and then release the button. The tuner will stop on the first strong station it finds.

MANUAL SEARCH FOR RADIO STATIONS

1. Tap the  or  button repeatedly to choose your desired radio station.
2. Tap the VOLUME  or  button to set the desired volume level. The volume level setting will appear on the LED DISPLAY.







Notes:

- Use manual tuning to select weaker stations that might be skipped during automatic tuning.
- If the automatic tuning does not stop on the exact frequency of the station, for example, it stops on 88.9 MHz instead of 88.8 MHz, use the manual tuning method to "fine tune" to the exact frequency of the desired station.

HINTS FOR BEST RECEPTION:

- AM - The AM antenna is located inside the cabinet of the unit. If AM reception is weak, change the position of unit until the internal antenna picks up the strongest signal.
- FM - To insure maximum FM tuner reception, unwrap and fully extend the EXTERNAL FM WIRE ANTENNA for best FM radio reception.

TO SET/RECALL RADIO STATION PRESETS

1. Press the  button to turn the unit ON.
2. Tap the  button repeatedly to select AM or FM band. The corresponding indicator will be lights up.
3. Use the  or  button to select the desired radio station.
4. Tap the M button; the next available preset memory number will flash in the LED display. (Note: "P01" will flash in the display if you are programming presets for the first time.)
5. Press the  or  button to change to the desired preset number P01 thru P10.
6. Repeat steps #3 thru #5 to preset up to 10 FM stations in FM mode and 10 AM stations in AM mode.
7. To recall one of the preset stations already programmed, tap the M+ button repeatedly until you reach the desired preset number/radio station.

AUTOMATIC PRESET FOR RADIO STATION PRESETS


Press and hold the SCAN button for few seconds, the unit will start searching for available radio stations and automatically save the first 10 sufficiently strong AM or FM stations in its respective mode.

Notes:

- Automatic preset will overwrite existing preset stations by the newly detected ones.
- If some automatic presets do not meet your expectation, you will need to set them manually afterwards.

SLEEP TIMER OPERATIONS

The sleep timer allows you to turn the unit off after a designated time has elapsed.


1. To activate the sleep timer, turn the unit "On" and either tune to the desired radio station or listening to music via AUX IN.
2. Tap the SLEEP button and THE SLEEP INDICATOR appears on the display.
3. Repeatedly tap the SLEEP button to select a sleep timer of 120, 90, 60, 30, 15, 10 or 5 minutes. Wait 5 seconds after your selection for the unit to confirm the selection, the unit will play for the selected length of time then turn off automatically.
4. To cancel the sleep timer, repeatedly tap the SLEEP buttons until timer shows "OFF", the SLEEP INDICATOR will go off.
5. To turn the unit "Off" before the selected length of time, press and hold the  button at any time.

Notes:

- To check the remaining sleep time, tap the SLEEP button once.
- If you are falling asleep to music from an external device connected to the AUX input, the sleep timer will shut off the power of this unit but it will not turn off the external device.

NAP FUNCTION

This function wakes you up after a short period of time. Only the beeper alarm sound can be selected.


1. In standby mode, tap the NAP button repeatedly to select 120, 90, 60, 30, 15, 10 or 5 minutes for your nap, wait 5 seconds for the unit to confirm your selection. The NAP indicator lights up.
2. To stop the NAP alarm when it sounds, press the NAP or  button.
3. To cancel NAP alarm before sounding, tap the NAP button repeatedly until display shows "OFF" and wait for 5 seconds to confirm.

AUXILIARY INPUT

This unit provides an auxiliary audio signal input jack for connecting external audio devices like MP3 players, CD players and listen to them through the speaker of this unit.

1. Use an audio cable (not included) with one 3.5 mm stereo plug on either ends.
2. Plug one end into the AUX IN JACK on the main unit and the other end of the cable into the Line-out Jack or Headphone Jack of your external audio device.
3. Turn "On" the unit and external audio device.
4. Press MODE button on the unit repeatedly until "AU" appeared on LED DISPLAY.
5. The volume level can now be controlled through the main unit. Operate all other functions on the external device as usual.

Notes:

- If you connect this unit to the Line Out Jack of your external device then you only need to adjust the volume control of this unit. If you connect the Headphone Jack of your external device then you may need to adjust both the volume controls of your external device and this unit to obtain the desirable volume setting.
- Press and hold the  button to turn off the unit when you have finished listening. Don't forget to switch off the power of your external device as well.

DIMMER CONTROL

Press the **DIMMER** button to change the LED DISPLAY brightness between high or low in accordance with normal or dim indoor lighting conditions.

CARE AND MAINTENANCE

- Children should be supervised when using this appliance.
- Never wrap the AC POWER CORD around any animal or person. Special care should be taken with long wire.
- Avoid operating your unit under direct sunlight or in hot, humid or dusty places.
- Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.
- Unplug the unit from the electrical power outlet immediately in case of malfunction.


CLEANING THE UNIT

- To prevent fire or shock hazard, disconnect your unit from the AC power source when cleaning.
- The finish on the unit may be cleaned with a dust cloth and cared for as other furniture, Use caution when cleaning and wiping the plastic parts.
- If the cabinet becomes dusty wipe it with a soft dry dust cloth. Do not use any wax or polish sprays on the cabinet.
- If the front panel becomes dirty or smudged with fingerprints it may be cleaned with a soft cloth slightly dampened with a mild soap and water solution. Never use abrasive cloths or polishes as these will damage the finish of your unit.

CAUTION: Never allow any water or other liquids to get inside the unit while cleaning.

TROUBLESHOOTING GUIDE

If you experience difficulties in the use of this music system, please check the following or call 1-800-777-5331 for Customer Service.

Symptom	Possible Cause	Solution
Noise or distorted sound on AM or FM broadcast	<ul style="list-style-type: none">- Station not tuned properly for AM or FM.- FM: FM antenna is not extended.- AM: The unit is not placed in best reception point.	<ul style="list-style-type: none">- Retune the AM or FM Broadcast station.- FM: Fully extend FM Antenna.- AM: Reposition the unit until the best reception is obtained.
AM or FM no sound	<ul style="list-style-type: none">- Unit not in "RADIO" function mode.- Volume set at minimum.	<ul style="list-style-type: none">- Press  button until radio is on.- Increase Volume.
Sound appears distorted at high volume setting	<ul style="list-style-type: none">- Volume control of this unit is set to maximum.	<ul style="list-style-type: none">- Adjust Volume Control to a lower comfortable level.
Projected time is inverted	<ul style="list-style-type: none">- The INVERT button may have been tapped accidentally.	<ul style="list-style-type: none">- Tap the INVERT button again to restore normal projection.

SPECIFICATIONS

Power:	AC120V ~ 60Hz 4W
Backup battery for the clock:	2 x DC1.5V "AAA" (UM-4) batteries (Not included)
Frequency Range:	FM 87.5 – 108 MHz AM 520 – 1710 kHz



At Spectra, environmental and social responsibility is a core value of our business. We are dedicated to continuous implementation of responsible initiatives with an aim to conserve and maintain the environment through responsible recycling.

Please visit us at <http://www.spectraintl.com/green.htm> for more information on Spectra's green initiatives or to find a recycler in your area.

90 DAY LIMITED WARRANTY AND SERVICE VALID IN THE U.S.A. ONLY

SPECTRA MERCHANDISING INTERNATIONAL, INC. warrants this unit to be free from defective materials or factory workmanship for a period of 90 days from the date of original customer purchase and provided the product is utilized within the U.S.A. This warranty is not assignable or transferable. Our obligation under this warranty is the repair or replacement of the defective unit or any part thereof, except batteries, when it is returned to the SPECTRA Service Department, accompanied by proof of the date of original consumer purchase, such as a duplicate copy of a sales receipt.

You must pay all shipping charges required to ship the product to SPECTRA for warranty service. If the product is repaired or replaced under warranty, the return charges will be at SPECTRA's expense. There are no other express warranties other than those stated herein.

This warranty is valid only in accordance with the conditions set forth below:

1. The warranty applies to the SPECTRA product only while:
 - a. It remains in the possession of the original purchaser and proof of purchase is demonstrated.
 - b. It has not been subjected to accident, misuse, abuse, improper service, usage outside the descriptions and warnings covered within the user manual or non-SPECTRA approved modifications.
 - c. Claims are made within the warranty period.
2. This warranty does not cover damage or equipment failure caused by electrical wiring not in compliance with electrical codes or SPECTRA user manual specifications, or failure to provide reasonable care and necessary maintenance as outlined in the user manual.
3. Warranty of all SPECTRA products applies to residential use only and is void when products are used in a nonresidential environment or installed outside the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. TO OBTAIN SERVICE please remove all batteries (if any) and pack the unit carefully and send it freight prepaid to SPECTRA at the address shown below. IF THE UNIT IS RETURNED WITHIN THE WARRANTY PERIOD shown above, please include a proof of purchase (dated cash register receipt) so that we may establish your eligibility for warranty service and repair of the unit without cost. Also include a note with a description explaining how the unit is defective. A customer service representative may need to contact you regarding the status of your repair, so please include your name, address, phone number and email address to expedite the process.

IF THE UNIT IS OUTSIDE THE WARRANTY PERIOD, please include a check for **\$15.00** to cover the cost of repair, handling and return postage. All out of warranty returns must be sent prepaid.

It is recommended that you contact SPECTRA first at 1-800-777-5331 or by email at custserv@spectrainl.com for updated information on the unit requiring service. In some cases the model you have may be discontinued, and SPECTRA reserves the right to offer alternative options for repair or replacement.

SPECTRA MERCHANDISING INTERNATIONAL, INC.
4230 North Normandy Avenue,
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To register your product, visit the link on the website below to enter your information.
<http://www.spectrainl.com/wform.htm>

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