



Digital Dual Alarm Projection Clock Radio





MODEL : JCR-238
USER MANUAL

**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.


 <p>The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product is enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.</p>	<p>CAUTION</p> <p>RISK OF ELECTRIC SHOCK DO NOT OPEN</p> <p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK), NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	 <p>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.</p>
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The Caution Marking is located at the back enclosure of the apparatus.

The Rating plate is located at the back enclosure of the apparatus

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. Clean only with 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 product heat.

9. AC adaptor 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 AC adaptor should be disconnected from the mains socket outlet completely.
10. Only use attachments/accessories specified by the manufacturer.
11. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
12. Unplug this apparatus during lightning storms or when unused for a long periods of time.
13. 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.
14. This appliance 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.
15. Do not overload wall outlet. Use only power source as indicated.
16. Use replacement part as specified by the manufacturer.
17. Upon completion of any service or repairs to this product, ask the service technician to perform safety checks.
18. Power Sources - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instruction.
19. Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
20. Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a) When the power-supply cord or plug is damaged,

- b) If liquid has been spilled, or objects have fallen into the product,
 - c) If the product has been exposed to rain or water,
 - d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
 - e) If the product has been dropped or damaged in any way, and
 - f) When the product exhibits a distinct change in performance - this indicates a need for service.
21. Battery shall not be exposed to excessive heat such as sunshine, fire or the like.
 22. Minimum distances of 10 cm around the apparatus for sufficient ventilation.
 23. The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.
 24. No naked flame sources, such as lighted candles, should be placed on the apparatus.
 25. The use of apparatus in moderate climates.
 26. Attention should be drawn to the environmental aspects of battery disposal

SAVE THESE INSTRUCTIONS

COMPLIANCE WITH FCC REGULATIONS

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.

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.

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

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.

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. 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.

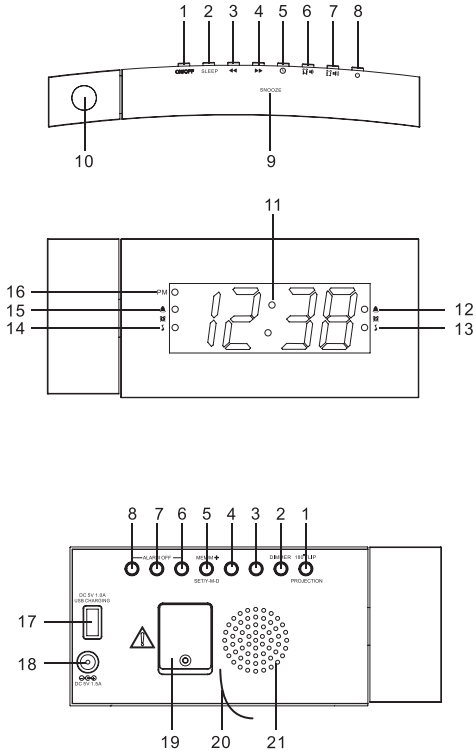


Model Number: JCR-238 Serial Number : _____

ACCESSORIES

1. Clock radio
2. Power adaptor
3. User manual

LOCATION OF CONTROLS



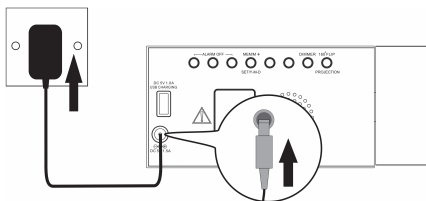
1. PROJECTOR ON/OFF BUTTON / 180° FLIP BUTTON
2. SLEEP BUTTON / DIMMER BUTTON
3. BACKWARD BUTTON
4. FORWARD BUTTON
5. CLOCK BUTTON / MEM/M+ BUTTON / SET BUTTON / Y-M-D BUTTON
6. ALARM 1 BUTTON / VOL DOWN BUTTON / ALARM OFF BUTTON
7. ALARM 2 BUTTON / VOL UP BUTTON / ALARM OFF BUTTON
8. POWER BUTTON / ALARM OFF BUTTON
9. SNOOZE BUTTON
10. PROJECTOR
11. DISPLAY
12. ALARM 2 INDICATOR (wake to alarm)
13. ALARM 2 INDICATOR (wake to radio)
14. ALARM 1 INDICATOR (wake to radio)
15. ALARM 1 INDICATOR (wake to alarm)
16. PM INDICATOR
17. USB CHARGING PORT
18. DC IN JACK
19. BATTERY COMPARTMENT
20. ANTENNA
21. SPEAKER

POWER SOURCE (AC ADAPTOR ONLY)

The JCR-238 operates with an external AC-DC adaptor with output DC 5V \equiv 1500mA \ominus \oplus .

The unit is also equipped with a battery back-up system for the clock that is powered by 1 x CR2032 lithium battery (Not included).

POWER CONNECTION



1. Connect the cord of the power adaptor to the DC IN JACK (#18) of the JCR-238.
2. Connect the plug of the power adaptor to a wall socket.
The radio is powered and in standby mode when you see the display is switched on.

Battery Back-up system

- The radio is equipped with a battery back-up system. It requires a 3V lithium battery CR2032 (not included). Insert the battery into the battery compartment (#19) and make sure the positive and negative (+ or -) sides of the battery are in contact with the corresponding terminals in the BATTERY COMPARTMENT (#19).
- If a power cut occurs, the radio automatically switches to the battery power supply and keeps the clock and timer settings.
- To open the BATTERY COMPARTMENT (#19), use a screwdriver to detach the screw on the compartment door.
- When replacing the battery, do not disconnect the power adaptor. Otherwise, all clock and alarm settings will be lost.



WARNING

DO NOT INGEST BATTERY, CHEMICAL BURN HAZARD

This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

TIME AND CALENDAR SETTING

1. In standby mode, press and hold the CLOCK BUTTON (#5) to enter the clock setting mode.
2. Press the CLOCK BUTTON (#5) repeatedly to cycle through the setting options:

Year > Month/Day > Time

- **Setting year:** Press the BACKWARD/FORWARD BUTTONS (#3/#4).
- **Setting month/day:** Press the BACKWARD BUTTON (#3) to set the month and the FORWARD BUTTON (#4) to set the day.
- **Setting the time:** Press the BACKWARD BUTTON (#3) to set the hour and the FORWARD BUTTON (#4) to set the minute.
- Press the CLOCK BUTTON (#5) to confirm.

ALARM OPERATION

The JCR-238 features a dual alarm clock.

To set the alarms:

1. In standby mode, press and hold the ALARM 1/ALARM 2 BUTTONS (#6/#7) to enter the alarm time setting mode.
2. In the alarm time setting mode, press the ALARM 1/ALARM 2 BUTTONS (#6/#7) repeatedly to cycle through the setting options:

Alarm time > Alarm sound source > Alarm frequency

- **Setting alarm time:** Press the BACKWARD BUTTON (#3) to set the hour and the FORWARD BUTTON (#4) to set the minute.
- **Setting alarm sound source:** Press the BACKWARD BUTTON (#3) or the FORWARD BUTTON (#4) to select wake to alarm or wake to radio. The corresponding alarm indicator will turn on according to your selection.
- **Setting alarm frequency:** Press the BACKWARD BUTTON (#3) or the FORWARD BUTTON (#4) to select an alarm frequency (1-5 = Monday to Friday, 1-7 = Everyday, 6-7 = Saturday & Sunday).

Once the alarm setting is done, the alarm will be automatically activated with the corresponding alarm indicator (alarm or radio) light.

Turning the alarms on or off

When the clock time is displayed, tap the ALARM 1/ALARM 2 BUTTONS (#6/#7) to enable or disable the respective alarm. The corresponding Alarm 1/Alarm 2 indicators (#12/#13/#14/#15) will light when the alarm is enabled.

Deactivating a sounding alarm

- Press any ALARM OFF BUTTONS (#6/#7/#8) to switch off the alarm sound.
- When the alarm sounds, the corresponding Alarm 1/Alarm 2 INDICATORS (#12/#13/#14/#15) will flash.

Note:

- For setting a one day alarm, just set the desired alarm time one day before.
- The alarm will sound at the time set the day prior. After having switched off the alarm sound, tap the ALARM BUTTON again to disable the alarm (the alarm indicator will off).
- To set another one day alarm, just repeat the above steps.

SNOOZE FUNCTION

When the alarm sounds, touch the SNOOZE (#9) to temporarily turn off the alarm and activate the snooze function, the alarm will stop and sound again 9 minutes later. If you touch the SNOOZE (#9) again, the alarm will temporarily turn off again and sound again in 9 minutes and so on.

NOTES:

- To temporarily silence a alarm, press the SNOOZE (#9). The alarm will sound again when the snooze period (9 minutes) expires.
- The corresponding Alarm 1 or Alarm 2 indicator (alarm or radio) flashes on the display during the snooze period.
- To cancel the snooze period and the alarm, press any ALARM OFF button (#6/#7/#8).

RADIO OPERATION

Listening to the radio

1. Press the POWER button (#8) to turn on the JCR-238.
2. Tap the BACKWARD BUTTON (#3) or the FORWARD BUTTON (#4) to adjust frequency.
3. Press and hold the BACKWARD button (#3) or the FORWARD button (#4) to automatically tune to the next available FM station.
4. Tap the VOL UP button (#7) or the VOL DOWN button (#6) to obtain the desired volume level.
5. Press the POWER button to switch the radio off.

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 88.9MHz instead of 88.8 MHz, use the manual tuning method to "fine tune" to the exact frequency of the desired station.
- To insure maximum FM tuner reception, unwrap and fully extend the EXTERNAL FM WIRE ANTENNA (#20) for best FM radio reception.

To set / recall the radio presets

1. Press the POWER BUTTON (#8) to turn on the JCR-238.
2. Tap the BACKWARD BUTTON (#3) or FORWARD BUTTON (#4) to select the desired station.
3. Press and hold the MEM/M+ BUTTON (#5) until "P01" (or the next available preset slot shows on the DISPLAY (#11).
4. Press the BACKWARD/FORWARD BUTTONS (#3/#4) to select a preset number (P01-P10).
5. Press the SET BUTTON (#5) again to confirm the preset.
6. Repeat steps 2 through 5 to preset up to 10 stations.
7. To recall one of the preset stations already programmed, tap the MEM/M+ BUTTON (#5) repeatedly until you reach the desired preset number/radio station.

SLEEP OPERATION

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

1. Press the POWER BUTTON (#8) to turn on the JCR-238.
2. Press the BACKWARD/FORWARD BUTTONS (#3/#4) to select the desired radio station.
3. Press the SLEEP BUTTON (#2) to enter sleep mode.
4. Repeatedly tap the SLEEP BUTTON (#2) to select the sleep timer 10 – 20 – 30 - 40 – 50 – 60 - 70 – 80 – 90 - 00 (in minutes). The unit will play for the selected length of time then turn off automatically.
5. To cancel the sleep timer, repeatedly tap the SLEEP BUTTON (#2) until the timer shows 00.
6. To turn the unit "Off" before the selected length of time, press the POWER BUTTON (#8) at any time.

Note: To check the remaining sleep time, tap the SLEEP BUTTON (#2) once.

CHANGING THE DISPLAY CONTENT

- In standby mode, press the Y-M-D button repeatedly to show the day of week, year, month/date and time (d1 = Monday, d2 = Tuesday, d3 = Wednesday, d4 = Thursday, d5 = Friday, d6 = Saturday and d7 = Sunday).
- In radio mode, press the BACKWARD or FORWARD button once to briefly change the display from the clock time to the current radio frequency.

DIMMER OPERATION

In standby mode, press the DIM BUTTON (#2) repeatedly to select the brightness settings of the display (High, Low or Off).

TIME PROJECTION

1. Press the PROJECTOR ON/OFF BUTTON (#1) to turn "On" or "Off" the projector.
2. Project the time onto a light/flat surface such as the ceiling or wall behind the JCR-238.
3. The projector portion of the JCR-238 can be repositioned (up to 180° forward to back) to adjust the projection angle.
4. If necessary, you can tap the 180° FLIP BUTTON (#1) to invert the projected time 180°.

Notes : The optimal projection distance is 3-9 feet.

The PM INDICATOR (#16) does not show in the projected time.

USB BATTERY CHARGING

CONNECTING A USB CORD (NOT INCLUDED) FOR CHARGING YOUR CELL PHONE (DC 5V --- 1000MA)

1. Plug the standard end of the USB cable (not included) into the USB CHARGING PORT located on the back of the JCR-238. Plug the other end of the cable into the device you wish to charge.
2. Observe the battery charge indicator on your device to make sure the charging process starts normally.
3. Unplug the cable when your device is fully charged.

WARNING!

- The USB port located on the back of the JCR-238 is designed for a smart phone or portable device battery charging only and does not support data transfer or connection to a computer.
- Don't connect the USB port of the JCR-238 to other USB charger. It may damage both units and void the warranty.

CARE AND MAINTENANCE

- Clean the radio with a soft damp cloth and let all parts dry completely after cleaning.
- Do not use any aggressive cleaners, brushes with nylon bristles, sharp or metallic cleaning utensils, knives, hard scrapers and the like. They could damage the surfaces of the radio.
- Do not immerse the radio in water and do not let water getting into the housing of the radio.
- Unplug the power adaptor and clean the radio before storage.
- Always store the radio in a dry and clean place.

SPECIFICATIONS

Power : AC Adaptor:
Input AC 100-240V ~
Output: DC 5V \equiv 1500mA \ominus \oplus
Backup battery : 1 x 3V \equiv CR2032 (not included)
Frequency Range : FM 87.5 – 108 MHz

TROUBLESHOOTING GUIDE

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

SYMPTOM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Power does not come on	Power adaptor connect unstable	Reconnect adaptor
No sound	VOLUME control at minimum position.	Increase Volume
Noise or sound distorted FM	- Station not tuned properly - Antenna is not extended	- Retune Broadcast station - Fully extend the antenna
USB no charging function	USB cable connect unstable	Reconnect again



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 **\$12.00** 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@spectraintl.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, Chicago, IL60634, USA. 1-800-777-5331

To register your product, visit the link on the website below to enter your information.

<http://www.spectraintl.com/wform.htm>

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