



## Dual Alarm Projection Clock Radio





**USER MANUAL  
JCR-225**

**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 and arrow head within the triangle is a warning sign alerting you of "dangerous voltage" inside the product.</p>	<p><b>CAUTION</b> <b>RISK OF ELECTRIC SHOCK</b> <b>DO NOT OPEN</b></p> <p>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.</p>	 <p>The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product.</p>
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## WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The Caution Marking is located at the bottom of the apparatus. The Rating plate is located at the bottom 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. 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.
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 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.

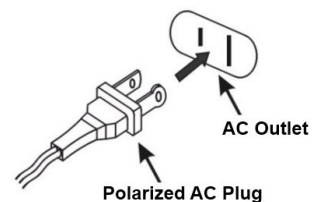


13. Unplug this apparatus during lightning storms or when unused for a long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This 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.
16. Do not overload wall outlet. Use only power source as indicated.
17. Use replacement part as specified by the manufacturer.
18. Upon completion of any service or repairs to this product, ask the service technician to perform safety checks.
19. 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.
20. 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.
21. 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.
22. 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 disconnected from the mains socket outlet completely.
23. Battery shall not be exposed to excessive heat such as sunshine, fire or the like.
24. Excessive sound pressure from earphones and headphone can cause hearing loss.



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 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.

### **WARNING**

Changes or modifications to this unit 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.



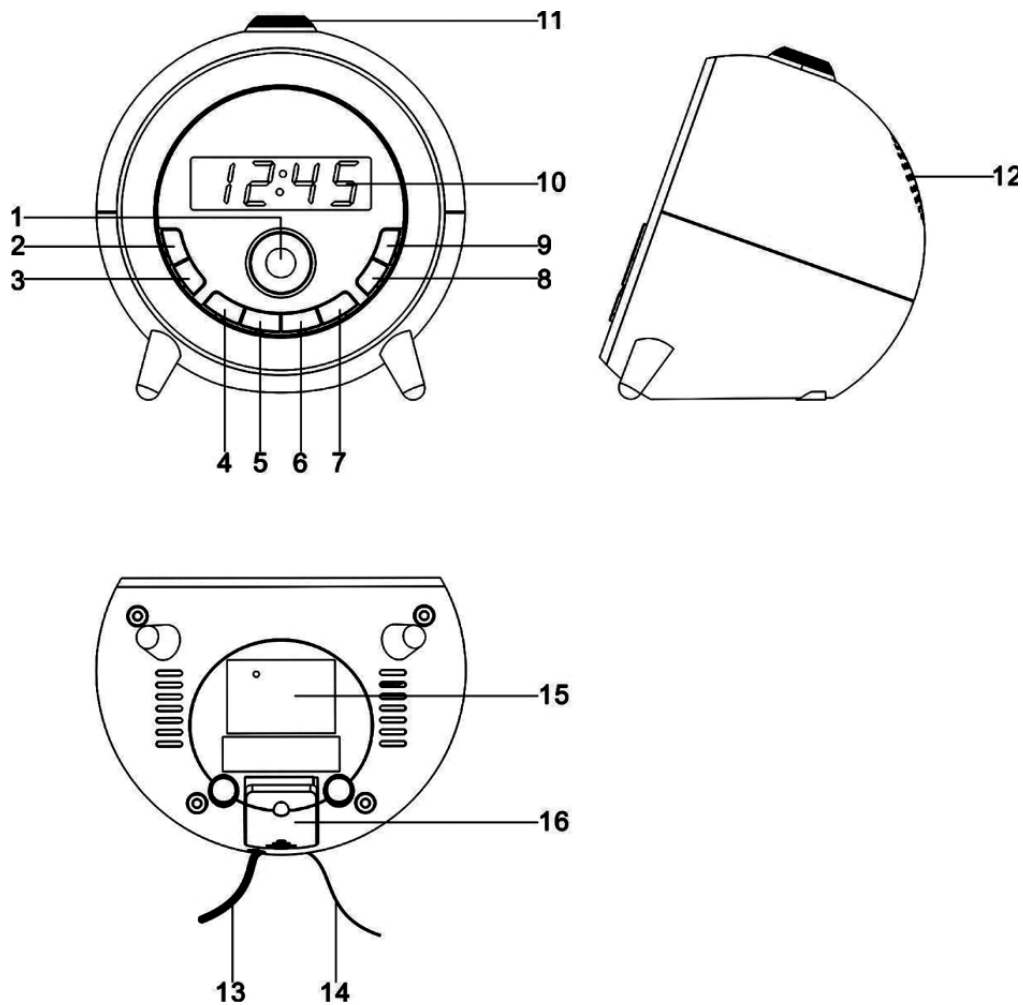
### **Customer's Record:**








The serial number of this product is found on its bottom 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.

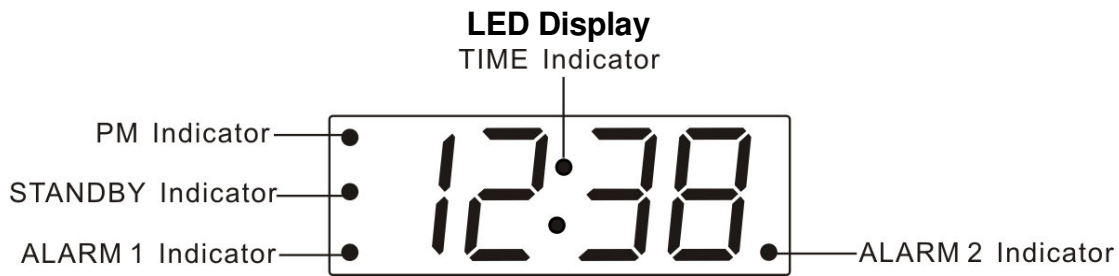
**Model Number : JCR-225**

**Serial Number :**

## LOCATION OF CONTROLS



1. SNOOZE/SLEEP/DIM BUTTON
2. ON/OFF BUTTON - PROJECTION ON/OFF
3. 180° FLIP BUTTON – INVERT THE IMAGE OF THE PROJECTED TIME
4.   BUTTON - TUNE - / YEAR/MONTH/DAY DISPLAY AUTO CHANGE ON/OFF
5.   BUTTON - TUNE + / DISPLAY AUTO OFF
6.  / AL1 BUTTON - VOLUME DOWN / ALARM 1 ON/OFF
7.  / AL2 BUTTON - VOLUME UP / ALARM 2 ON/OFF
8. SET/MEM BUTTON - MEMORY/MEMORY+ / CLK.ADJ./NAP
9.  BUTTON - ON/OFF
10. LED DISPLAY
11. FOCUS CONTROL – ADJUSTS THE FOCUS OF THE PROJECTED TIME
12. SPEAKER
13. AC POWER CORD
14. FM ANTENNA
15. RATING LABEL
16. BATTERY COMPARTMENT



## 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 BATTERY

This unit is equipped with a battery back-up system, it requires a 3V CR2032 lithium battery (not included) to maintain the time settings and radio presets during an AC power outage.

1. Remove the battery compartment door.
2. Install a 3V CR2032 lithium battery into the BATTERY COMPARTMENT (#16) 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.



## 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.

## POWER ON/STANDBY





1. In standby mode, press the  BUTTON (#9) once to turn on the unit.
2. Press the  BUTTON (#9) again to return the unit to standby mode.

## TIME AND CALENDAR SETTING

In standby mode, press and hold the SET/MEM BUTTON (#8) for over 3 seconds to enter the time set mode, after enter the setting mode, press SET/MEM BUTTON (#8) to change the mode cycle as follows.

Normal → Year → Month → Day → 12/24 H → Real time Hour → Real time Min → Normal

Action (during data adjustment):

- Press the  BUTTON (#4) to adjust data backward.
- Press the  BUTTON (#5) to adjust data forward.
- Keep depress  BUTTON (#4) or  BUTTON (#5) for 3 seconds to enable fast backward or forward.

**Note:** If the PM Indicator is not showing, the time displayed is AM.

## DST (DAYLIGHT SAVING TIME) SETTING














### Select DST (daylight saving time) mode

For areas that observe daylight saving time (DST), the JCR-225 offers you a DST option for adjusting the time change.





1. In standby mode press and hold the SNOOZE/SLEEP/DIM BUTTON (#1) for 3 seconds. The clock advances by one hour.
2. To exit DST mode, repeat the above operation.

## ALARM OPERATION

### SETTING ALARMS

1. In Standby Mode, press the  / AL1 BUTTON (#6) to select alarm 1. The alarm time is displayed.
2. Press and hold the  / AL1 BUTTON (#6) over 2 seconds and the hours will blink. Press  BUTTON (#5) or  BUTTON (#4) to set the alarm hour.
3. Press the  / AL1 BUTTON (#6) again and the minutes will blink. Press  BUTTON (#5) or  BUTTON (#4) to set the alarm minutes.
4. Press the  / AL1 BUTTON (#6) again and press  BUTTON (#5) or  BUTTON (#4) to select day(s) of the week the alarm should sound.  
Note : 1-5 : Monday to Friday  
1-7 : Whole week  
6-7 : Saturday & Sunday  
1-1 : One day of week
5. Press the  / AL1 BUTTON (#6) again and press the  BUTTON (#5) or  BUTTON (#4) to select the alarm sound mode.



6. If you select Radio as the alarm sound mode, the volume will blink. Press the  BUTTON (#5) or  BUTTON (#4) to set the volume level.
7. To turn off Radio or Buzzer alarm after it sounds by pressing the  / AL1 BUTTON (#6) or  BUTTON (#9)
8. The Alarm or Radio will sound for 30 minutes if no button was pressed. It will stop automatically and wait for same alarm time on next day.
9. Alarm 2 setting is same as Alarm 1.

Note : You should tune to your desired radio station first before starting to set the alarm time and choosing the radio alarm mode.





### Enable / disable the Alarm

Press and hold the  / AL1 BUTTON (#6) or the  / AL2 BUTTON (#7) to enable or disable the alarm. Once the alarm is activated, the  ALARM 1 indicator or the  ALARM 2 indicator will turn on.



## SNOOZE FUNCTION

When the alarm sounds, press the SNOOZE button (#1) to suspend the alarm and activate the snooze function, alarm will stop & will ring again 9 minutes later. If you press SNOOZE button again, the alarm will stop momentarily and ring again in 9 minutes and so on.

NOTE:


- The Snooze interval time is fixed at 9 minutes.
- To turn the Snooze function OFF, press  / AL1 BUTTON (#6) or the  / AL2 BUTTON (#7) once.
- If you press and hold  / AL1 BUTTON (#6) or the  / AL2 BUTTON (#7), the alarm will be disabled and the ALARM indicator will turn off.


## DISPLAY AUTO OFF FUNCTION

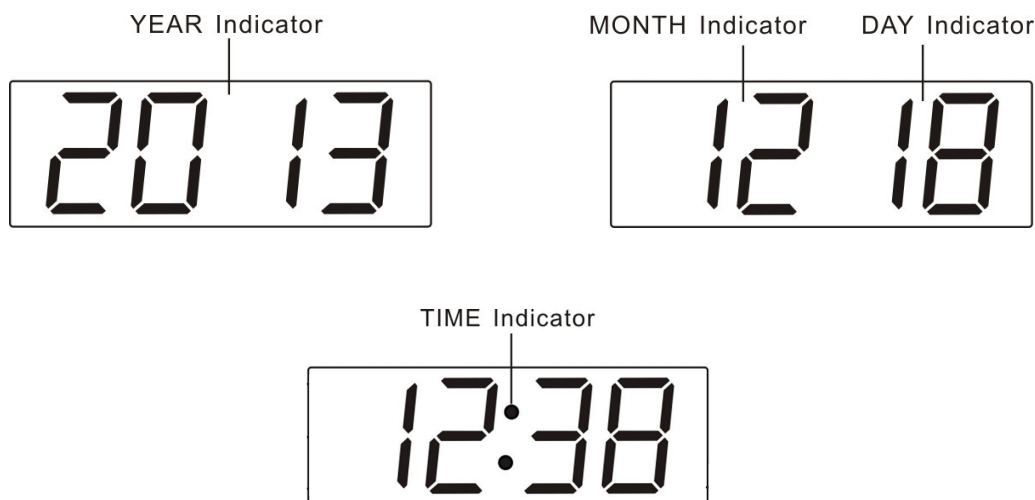
- Press & hold the  BUTTON (#5) for 3 seconds at Standby mode, the STANDBY indicator of the LED display will light on, the LED display will turn off after 15 seconds automatically. Press any button to maintain the LED display light on for 15 seconds.
- Press & hold the  BUTTON (#5) for 3 seconds, the STANDBY indicator of the LED display will light off and the display auto off function was cancelled.

## CHANGING THE DISPLAY CONTENT

In Standby mode, press & hold the DISPLAY  BUTTON (#4) for 3 seconds to enter time display auto change mode. The LED DISPLAY (#10) will display the YEAR – MONTH/DAY - TIME 5 seconds repeatedly.

Press  BUTTON (#4) repeatedly to check the YEAR, MONTH/DAY and TIME.

Press & hold the DISPLAY  BUTTON (#4) for 3 seconds to turn off the function.




## TIME PROJECTION



1. Press the PROJECTION ON/OFF BUTTON (#2) 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-225.
3. Swivel the projector to position the projected time, and adjust the focus if needed.
4. If necessary, you may tap the 180° FLIP BUTTON (#3) to invert the projected time 180°.

Note : The optimal projection distance is 3-9 feet.  
The PM indicator does not show in the projected time.



## RADIO OPERATION

Press the  BUTTON (#9) to turn on the JCR-225.

### AUTOMATIC SEARCH FOR RADIO STATIONS

To automatically search for stations with strong signals, press and hold the  BUTTON or  BUTTON (#5 or #4) until the 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

Tap the  BUTTON or  BUTTON (#5 or #4) repeatedly to choose your desired radio station.

Tap the  / AL2 BUTTON or  / AL1 BUTTON (#7 or #6) to obtain the desired volume level.

### 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:**




To insure maximum FM tuner reception, unwrap and fully extend the EXTERNAL FM WIRE ANTENNA for best FM radio reception.

### **To set / recall the radio presets**

1. Press the ON/OFF button (#9) to turn on the JCR-225.
2. Press the  BUTTON or  BUTTON buttons (#5 or #4) to select the desired radio station.
3. Press and hold the SET/MEM BUTTON (#8), “P01” will blink in the LED DISPLAY (#10).
4. Use  BUTTON or  BUTTON (#5 or #4) to select the desired preset number (P01-P10)
5. Press the SET/MEM BUTTON (#8)) 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 SET/MEM BUTTON (#8) repeatedly until you reach the desired preset number/radio station.

## SLEEP OPERATION

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

1. Press the ON/OFF button (#9) to turn on the JCR-225.
2. Press the  BUTTON or  BUTTON buttons (#5 or #4) to select the desired radio station.
3. Press the SLEEP BUTTON (#1) to enter sleep mode.
4. Repeatedly tap the SLEEP BUTTON (#1) to select the sleep timer 90 – 60 – 30 - 15 – OFF (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 (#1) until the timer shows OFF.
6. To turn the unit “Off” before the selected length of time, press the  BUTTON at any time.

### **Notes:**


To check the remaining sleep time, tap the SLEEP BUTTON (#1) once.

## DIMMER OPERATION

In standby mode, press the SNOOZE/SLEEP/DIM BUTTON (#1) repeatedly to select one of the three brightness settings (high, medium or low).

## NAP TIMER OPERATION

During radio off mode, press the SET/MEM BUTTON (#8) to enter NAP mode. Within 5 seconds, press the SET/MEM BUTTON (#8) repeatedly to select the duration 90 - 80 - 70 - 60 - 50 - 40 - 30 - 20 - 10 - OFF..

The alarm buzzer will sound for 30 min and then shut off automatically. To stop the alarm buzzer, press the  BUTTON (#9).

Note :

Press the NAP button (#8) has no effect during alarm operation.

Press the ON/OFF button (#9) to cancel NAP function.

## 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.

## CARE AND MAINTENANCE


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	POSSIBLE SOLUTION
<b>GENERAL</b>		
Power does not come on.	AC line cord not plugged in.	Insert plug firmly into AC outlet.
<b>RADIO</b>		
No sound.	ON/OFF button not set to ON position.	Set ON/OFF button to ON position.
	VOLUME control at minimum position.	Increase Volume
Noise or sound distorted FM.  Projected time is inverted	- Station not tuned properly - Antenna is not extended  The INVERT BUTTON may have been tapped accidentally	- Retune Broadcast station - Fully extend the antenna  Tap the INVERT BUTTON again to restore normal projection.

### Resetting

If the system does not respond or exhibits erratic or intermittent operation, you may have experienced an electrostatic discharge (ESD) or a power surge that triggered the internal microcontroller to shut down automatically. If this occurs, simply disconnect the ac power cord and remove the system backup battery, wait for at least 3 minutes and then setup the unit again as if it is a brand new unit.

## SPECIFICATION

Power : AC120V 60Hz 5W  
 Backup battery : 1 x 3V  CR2032 (not included)  
 Frequency Range : FM 87.5 – 108 MHz

## SPECTRA GREEN NOTICE



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 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](mailto: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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