

# AM/FM DUAL ALARM CLOCK RADIO WITH DIGITAL RETRO FLIP DISPLAY



# USER MANUAL JCR-232

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.

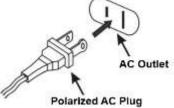
20. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.



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:**

Model Number: JCR-232

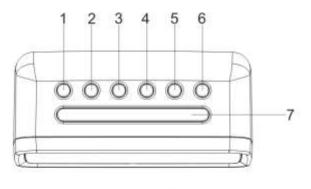
The serial number of this product is found on its bottom cover. You should note the serial number of this unit in the space provided as a permanent record of your purchase to aid in identification in the event of theft of loss.

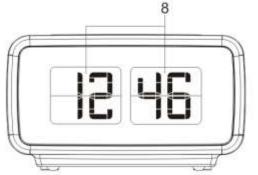
Serial Number: \_\_\_\_\_

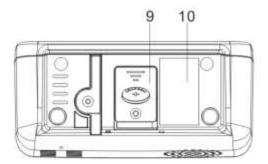
# PROTECT YOUR FURNITURE!!

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**



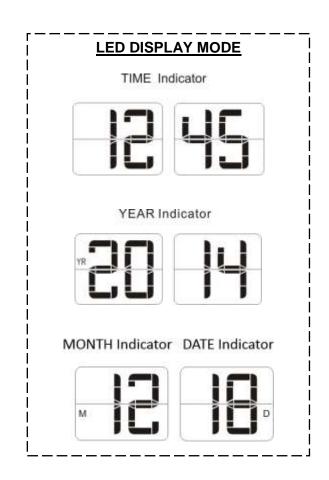






# **FUNCTION AND CONTROLS**

- 1. -▶ VOLUME DOWN / AL1 (ALARM 1) CONTROL
- 2. ◀+ VOLUME UP / AL2 (ALARM 2) CONTROL
- 4 (TUNE DOWN) / CALENDAR DISPLAY/ TOGGLE⊕
- 4. → (TUNE UP) / DST (DAYLIGHT SAVING TIME)
- 5. SET MEM / M+
- 6. OPOWER ON/STANDBY / ALARM OFF / AM/FM SELECT
- 7. SNOOZE / SLEEP / DIMMER
- 8. LCD DISPLAY
- 9. BATTERY COMPARTMENT COVER
- 10. RATING LABEL
- 11. SPEAKER
- 12. EXTERNAL FM WIRE ANTENNA
- 13. AC POWER CORD



# POWER CONNECTION

#### **AC POWER CONNECTION**

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

#### INSTALLING/REPLACING THE BACK-UP BATTERY

This unit is equipped with a battery back-up system, requiring one 3V = CR2032 lithium battery (included) to maintain the time/calendar settings and radio presets during AC power outage. Prior to first use, please remove the plastic battery insulator tab to activate the backup battery.

- 1. Unscrew and remove the BATTERY COMPARTMENT COVER.
- 2. Install one fresh CR2032 lithium battery into the battery compartment following the polarity diagram on the BATTERY COMPARTMENT COVER. Use only the specified size and type of battery.
- 3. Replace the BATTERY COMPARTMENT COVER and tighten its screw.

**Note:** The unit will operate without a battery installed but your time & alarm setting and radio presets 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.

# **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.

## **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 battery can cause damage to the unit and may void the warranty.
- Do not try to recharge battery not intended to be recharged; they can overheat and rupture (Follow battery manufacturer's directions).
- Do not dispose of battery in fire, battery may leak or explode.

## **POWER ON/STANDBY**

- 1. In standby mode, tap the POWER ON/STANDBY  $oldsymbol{\psi}$  button once to turn on the unit.
- 2. Press and hold  ${\color{blue} {\bf U}}$  button for about 2 seconds to return the unit to standby mode.

# **CALENDAR AND TIME SETTING**

#### SETTING THE CALENDAR AND TIME

- 1. In standby mode, press and hold the SET MEM button for about 2 seconds to enter the calendar/time set mode.
- 2. The year indicator will flash on the LCD DISPLAY for up to 30 seconds prompting for a new entry.
- 3. While the display is flashing, repeatedly tap the or ▶ button to adjust to the correct year. Press and hold the dor ▶ button for faster scanning backward or forward. Tap the SET MEM button to confirm.
- 4. Repeat steps #2 to #3 to adjust the month, day, time format, current hour and finally current minute in the same way.

# Notes:

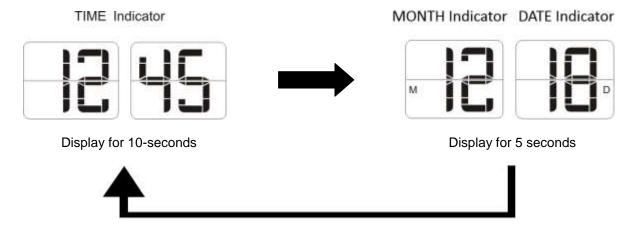
- The display sequence in calendar/time set mode will be as follows:
  - Year → Month → Date → 12/24 Hour Time Format → Real Time Hour → Real Time Min → Normal Time
- To check the year while current time is displayed, tap the CALENDAR button once. The LCD DISPLAY will change to year display for 5 seconds and then revert to current time automatically.
- To check the date while current time is displayed, tap the CALENDAR button twice. The LCD DISPLAY will
  change to date display for 5 seconds and then revert to current time automatically.
- During the time set, if no button is being pressed within 10 seconds, the current display time will be automatically stored.

Make sure the hour is set so that the PM indicator is displayed correctly for afternoon/night times.

#### ALTERNATE DISPLAY BETWEEN TIME AND MONTH-DATE DISPLAY

- In clock mode, press and hold the CALENDAR TOGGLE 

   button for about 3 seconds until "ON" appears in the LCD DISPLAY.
- 2. The DISPLAY will alternate between the current Time for 10 seconds and Month-Date for 5 seconds as follows:



3. To cancel this function, press and hold the CALENDAR TOGGLE button for about 3 seconds until "OFF" appears on the LCD DISPLAY. The DISPLAY will switch back to normal time display.

## **DAYLIGHT SAVING TIME (DST) MODE**

If daylight saving time (DST) is available in the summer time in your State, you may use this option to adjust to the correct time easily.

- 1. In standby mode, press and hold DST button for 2 seconds to advance the displayed time by one hour.
- 2. To cancel DST mode, repeat the above operation.

# **ALARM SETTING**

#### **SETTING THE ALARMS (AL1 and AL2)**

You can select either a Beeper Alarm or the AM/FM Radio as the alarm source. Be sure to observe the PM indicator when setting the alarm to make sure the alarm time is set correctly for AM or PM. If the PM Indicator is 'On', the alarm time will be afternoon/night time. The setting sequence for AL1 is as follows:

Normal Time  $\rightarrow$  AL1 Hour  $\rightarrow$  AL1 Minute  $\rightarrow$  AL1 Weekday  $\rightarrow$  AL1 Beeper  $\rightarrow$  AL1 Radio  $\rightarrow$  AL1 final radio volume  $\rightarrow$  Normal Time

- 1. In standby mode, tap the AL1 (or AL2) button to show the preset alarm time.
- 2. Press and hold the AL1 (or AL2) button again for about 2 seconds until the Hour Indicator on the LCD DISPLAY flashes. Press the ◀ or ▶ button to obtain the desired Alarm Hour.
- 3. Tap the AL1 (or AL2) button again to advance to the Minute Indicator. Press the ◀ or ▶ button to obtain the desired Alarm Minutes.
- 4. Tap the AL1 (or AL2) button again to advance to the Weekday Indicator. Press the ◀ or ▶ button to select the desired Alarm Weekday mode as follows :
  - 1-5: Monday to Friday
  - 1-7: Whole week
  - 6-7: Saturday & Sunday
  - 1-1: One day of week (you need to further select 1 for Monday, 2 for Tuesday and so on)
- Tap the AL1 (or AL2) button again to advance to select the Alarm source between Beeper or Radio.
   Notes:
  - When the Beeper alarm begins, it will sound at a lower beeping rate and gradually increase to the normal rate within 30 seconds.
  - If you want to choose radio as the alarm source, you need to set the radio to your desired radio station in radio mode first.
  - After selecting the Radio as the alarm source during alarm setting, you need to select FM or AM radio and the preset alarm volume level (up to maximum level 15). When the radio is turned 'On' at the preset alarm time, the radio will begin to sound at a low volume and gradually increases to the preset volume level.

Note: it is not possible to adjust the volume level during the radio alarm. If volume adjustment is needed, you

must turn 'Off' the radio first, and then turn it 'On' again using the POWER ON/STANDBY f U button. The alarm will also be stopped immediately.

Press the AL1 (or AL2) button to finish setting and exit to normal time display.

- 7. To disable ALARM 1 (or 2) from automatically sounding on the upcoming days, press and hold the AL1 (or AL2) button for about 2 seconds, the corresponding AL1 (or AL2) INDICATOR will go off.
- 8. To resume ALARM 1 (or 2) from automatically sounding on the upcoming days, press and hold the AL1 (or AL2) button for about 2 seconds, the corresponding AL1 (or AL2) INDICATOR will turn on and the alarm(s) will sound the following day at the set time.

#### **TURNING OFF THE ALARM**

When the preset alarm time is reached, the AL1 (or AL2) INDICATOR will flash on the LCD DISPLAY and the beeper alarm or radio will sound for 30 minutes unless interrupted by pressing SNOOZE. To stop the alarm immediately, tap

the corresponding AL1 (or AL2) button or POWER ON/STANDBY  $oldsymbol{\psi}$  button. The alarm will ring again at the same alarm time on the following day, or when set to go off based on your Alarm settings.

#### **SNOOZE FUNCTION**

When the alarm source is sounding, press the SNOOZE button to suspend the alarm and activate the snooze function. The Alarm will temporarily stop and sound again 9 minutes later but the AL1 (or AL2) indicator will keep flashing.

#### Notes:

- This manual snooze operation can be repeated again and again.
- To turn off the snooze function before it ends, tap the corresponding AL1 (or AL2) button or the U button. The AL1 (or AL2) INDICATOR will stop flashing.

# LISTENING TO THE RADIO

#### **RADIO TUNING**

- In standby mode, tap the POWER ON/STANDBY button to turn the unit 'On'.
- 2. Tap the AM/FM button repeatedly to select the AM or FM band. The corresponding indicator will light up.
- 3. The LCD DISPLAY will show the radio frequency for about 5 seconds and then revert to normal time display.

### **AUTOMATIC SEARCH FOR RADIO STATIONS**

To automatically search for stations with strong signals, press and hold the TUNE UP ➤ or DOWN ← button until the frequency readout on the display begins to scan. 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 UP ◀+ or DOWN -▶ button to set the desired volume level. The volume level reading will appear in the LCD 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. After selecting the desired radio band, press the or ▶ button to select the desired radio station.
- 2. Press and hold the SET MEM button, the next available preset memory number will flash on the LCD display. (Note: "P01" will flash in the display if you are programming presets for the first time.)
- 3. Press the or → button to change to the desired preset number P01 thru P10.
- 4. Repeat steps #1 thru #3 to preset up to 10 FM stations in FM mode and 10 AM stations in AM mode.
- 5. To recall one of the preset stations already programmed, tap the M+ button repeatedly until you reach the desired preset number/radio station.

# **SLEEP TIMER OPERATION**

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

- While listening to the radio, tap the SLEEP button and sleep time '90' (minutes) appears in the LCD DISPLAY.
- 2. Repeatedly tap the SLEEP button to select a sleep timer of 90, 60, 30 or 15 minutes. Wait for about 10 seconds

- after your selection for the unit to confirm the selection, the unit will play for the selected length of time then turn itself 'Off' automatically.
- 3. To cancel the sleep timer, repeatedly tap the SLEEP button until you see the current time in the LCD DISPLAY after last sleep timer option (15 minutes).
- 4. To turn the unit 'Off' before the selected sleep time, press and hold the  $oldsymbol{\upsilon}$  button at any time.

#### Note:

There is no sleep indicator in this unit. To check the remaining sleep time, tap the SLEEP button once.

# **DIMMER CONTROL**

Tap the DIMMER button to set the brightness of the LCD display to high, low or off according to your ambient light conditions.

# RESETTING THE UNIT

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, disconnect the AC POWER CORD from the wall and remove the backup battery from the compartment. Wait at least 3 minutes, and reinsert the battery for the back-up, and reattach the AC Cord to the wall. The unit is now reset, so you will need to setup the unit time and alarms again.

# **CARE AND MAINTENANCE**

#### **CARE FOR THE UNIT**

- 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 clock radio, 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	- Station not tuned properly for AM or FM	- Retune the AM or FM Broadcast station.
	- FM: FM antenna is not extended.	- FM: Fully extend FM Antenna
	- AM: The unit is not placed in best reception point.	- AM: Reposition the unit until the best reception is obtained.
AM or FM no sound	- Unit not in "RADIO" function mode - Volume set at minimum	- Press button until radio is on Increase Volume.
Sound appears distorted at	- Volume control of this unit is set	- Adjust Volume Control to a lower comfortable
high volume setting	to maximum	level.

# **SPECIFICATIONS**

AC Power: 120V~ 60Hz 5W

Backup battery for the clock: 1 x 3V = CR2032 Lithium Battery

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.
- 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 **\$10.00** 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 <a href="mailto:custserv@spectraintl.com">custserv@spectraintl.com</a> 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, IL 60634, 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 Printed in China