# JENSEN®

# Universal Bluetooth Clock Radio With Charging for All Smartphones



## USER MANUAL

## JBD-100

**Bluetooth®**

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

# 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 of loss.

**Model Number: JBD-100**          **Serial Number:**

# IMPORTANT SAFETY INSTRUCTIONS

When used in the directed manner, this unit has been designed and manufactured to ensure your personal safety. However, improper use can result in potential electrical shock or fire hazards. Please read all safety and operating instructions carefully before installation and use, and keep these instructions handy for future reference. Take special note of all warnings listed in these instructions and on the unit.
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.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Only use attachments / accessories specified by the manufacturer.
10. Unplug the ac adaptor of this apparatus during lightning storms or when unused for long periods of time.

11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as ac adaptor 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.
12. 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.
13. Power Sources – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance. Do not overload wall outlet.
14. Do not attempt to dismantle, open or repair this product yourself. If a fault occurs, seek advice from your local qualified service technician or contact the distributor via the telephone number at the back of this instruction manual.
15. Nameplate is located on bottom of the product.

## IMPORTANT NOTES
Avoid installing the unit in locations described below:
• Places subject to constant vibration.
• Dusty, humid or moist places.

## 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.
**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.

**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 product 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.

TOP SIDE
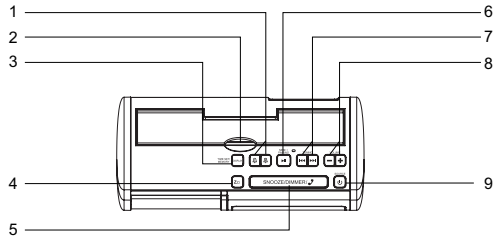
FRONT SIDE
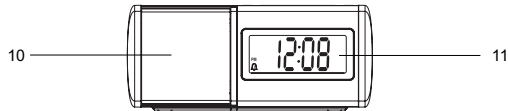
1. **Alarm 1** 🔔 **Button**

   **Alarm 2** 🔔 **Button**
2. **Access Opening for Top Compartment**
3. **Time Set/ Memory/ Display Button**
4. **Sleep ZZz Button**
5. **Snooze/ Dimmer/ Phone ♪ Button**
6. **Play/ Pause ▶❚❚ / Memory / Pairing Button**
7. **Skip Forward ▶▶❙ / Tuning Up Button**
   **Skip Backward ❙◀◀ / Tuning Down Button**
8. **Volume + (Up) Button**
   **Volume - (Down) Button**
9. **Power On/ Standby ⏻ / Source Button**
10. **Speaker**
11. **LCD Display**

REAR SIDE
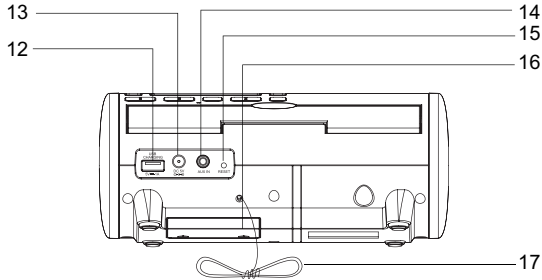


12. **USB Charging Port**
13. **DC IN Jack**
14. **AUX IN Jack**
15. **Reset Button**
16. **Battery Compartment (bottom of unit)**
17. **FM Wire Antenna**

# GETTING STARTED

## Clock Back-up Battery Installation

1. Remove the battery compartment cover.
2. Install 2 "AAA" (UM-4) batteries (not included) in the battery compartment following the polarity markings shown on it.
3. Replace the battery compartment cover.

   **Note:** The unit will still operate without the batteries installed, but the time, alarm and radio preset settings will be lost and have to be reset in the event of a power interruption or failure.



(LR03) AAA SIZE
1.5V x 2 PCS FOR
BACKUP ONLY
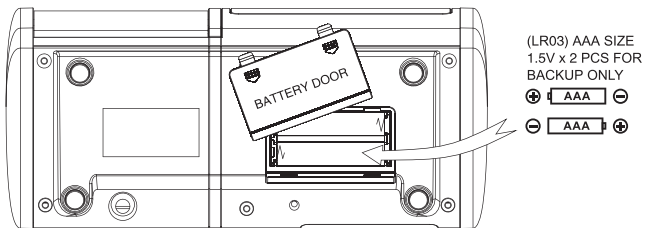
**Warnings:**
- Batteries shall not be exposed to excessive heat such as direct sunlight, fire or the like.
- Be sure that the batteries are installed correctly. Wrong polarity may damage the unit.
- Do not mix old and new batteries.

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- Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel- cadmium) batteries.
- Only batteries of the same or equivalent type as recommend are to be used.
- If the unit is not to be used for an extended period of time, remove the batteries. Any old or leaking battery can cause damage to the unit and may void the warranty.
- Do not dispose of batteries in fire, battery may explode or leak.
- Do not try to recharge a battery that is not intended to be recharged; the battery can overheat, rupture and leak (Follow the battery manufacturer's directions).

## AC-DC Adaptor Connection

An AC-DC Adaptor with the output **5V ⎓ 1500mA** (Included) is required for operating the main unit. To connect the AC-DC Adaptor to the unit and 120V~ 60Hz AC Outlet:
1. Firmly and securely insert the DC plug of the adaptor into the **DC IN Jack** on the back of the unit.
2. Plug the adaptor's AC plugs into a power outlet rated at 120V~ 60Hz.
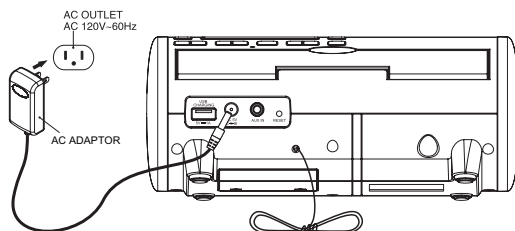


**NOTE:** This unit is not magnetically shielded and may cause color distortion on the screen of some TVs or video monitors. To avoid this, you may need to move the unit further away from the TV or monitor if unnatural color shifts or image distortion occurs.

## TURNING THE UNIT POWER ON/OFF

1. In Standby mode, tap the **Power On/ Standby ⏻ Button** to turn the unit ON. The last selected input mode icon will show on LCD display.
2. To turn the unit OFF, press on hold the **Power On/ Standby ⏻ Button** for 1 to 2 seconds in Power On mode to turn the unit OFF. The "OFF" will show on LCD display before the unit go to Standby mode.

## CLOCK SETTING

After plugging in the AC adaptor, "12:00" will appear and start blinking on the LCD display.
1. In Standby mode, press and hold the **Time Set / Memory Button** of the unit, **"12 Hr"** will blink.
2. Tap the ⏮ or ⏭ button to set the unit to the 24-hour mode or 12-hour mode.
3. Press the **Time Set / Memory Button** then the hour digits will blink.
4. Tap the ⏮ or ⏭ button to adjust the hour. Press and hold the button for fast advance / reverse setting.
   **Note:** Make sure the hour is set so that the **PM** indicator is displayed correctly.
5. Press the **Time Set / Memory Button** to confirm the hour setting, the minute digits will flash to prompt for input.
6. Tap the ⏮ or ⏭ button to adjust the minute. Press and hold the button for fast advance / reverse setting.
7. Press the **Time Set / Memory Button** again to complete the setting.

# ALARM SETTING

1. Tap the **Alarm 1** ⏰ or **Alarm 2** ⏰ **Button** once to check the alarm time and wake up option (Radio 📻, Beeping Alarm, Bluetooth ❁ ).

2. In standby mode, press and hold the ⏰ or ⏰ button for 3 seconds when the alarm time is showing. The hour digits will blink.

3. Tap the ⏮ or ⏭ button to adjust the hour. Press and hold the button for fast advance / reverse setting.

4. Press the ⏰ or ⏰ button to confirm the hour setting, the minute digits will flash to prompt for input.

5. Tap the ⏮ or ⏭ button to adjust the minute. Press and hold the button for fast advance / reverse setting.

6. Press the ⏰ or ⏰ button to confirm the minute setting, the alarm sound icons will flash.

7. Tap the ⏮ or ⏭ button to select the wake up option (Radio 📻, Beeping Alarm, Bluetooth ❁ ).

8. Press the ⏰ or ⏰ button again to complete the alarm setting. The alarm indicator ⏰ or ⏰ will appear to indicate it is enabled.

9. To disable the alarm, in Standby mode, tap the ⏰ or ⏰ button twice for the alarm you want to disable, relative alarm indicator will disappear from display. Tap the ⏰ or ⏰ button twice again will enable the alarm.

**Note:**
- The alarm will automatically switch to the beeping alarm if you selected wake to Bluetooth but do not have a Bluetooth-enabled device connected.
- If you select wake to Radio, make sure your radio station is set to the one you want to be woken up to. The unit will play the last radio station you were listening to when the wake time is reached.
- The unit features a crescendo wake up for the beeping alarm, radio or Bluetooth. When the alarm time is reached, the sound will increase gradually from a very low level to a louder level. When waking to radio and Bluetooth, the preset volume level will be the loudest level and it will be reached after about 30 seconds.

**Wake to Radio**

1. The Radio will automatically turn on when the alarm time is reached. The respective ⏰ or ⏰ indicator will blink.
2. The sound starts softly and gradually becomes louder until preset volume level is reached.
3. The radio alarm will sound for 60 minutes and then turn off automatically if the snooze button is not pressed.
4. To stop the radio sound immediately, tap the ⏻ or respective alarm button.

**Wake to Beeping Alarm**

1. The Beeping Alarm will automatically turn on when the alarm time is reached. The respective 🕐 or 🕑 indicator will blink.
2. The sound starts softly and gradually becomes louder and louder until its maximum level is reached.
3. The beep alarm will sound for 60 minutes and then turn off automatically if the snooze button is not pressed.
4. To stop the beep alarm sound immediately, tap the ⏻ respective alarm button.

**Wake to Bluetooth-Enabled Device (if available on your Bluetooth device)**

1. The Bluetooth-enabled device will automatically turn on when the alarm time is reached. The respective 🕐 or 🕑 indicator will blink.
2. The sound starts softly and gradually becomes louder until preset volume level is reached.
3. The Bluetooth-enabled device alarm will sound for 60 minutes and then turn off automatically if the snooze button is not pressed.
4. To stop the Bluetooth-enabled device immediately, tap the ⏻ respective alarm button.

**Note:**
  · Make sure the JBD-100 has been linked to your Bluetooth Enabled device and is shown on Bluetooth list on the device.
  · This feature is phone dependent.
  · **The song or playlist you want to wake to must be selected and played prior to turning off the device. If you choose to SLEEP to your Bluetooth device, the song will pause when the Sleep Time expires and will resume playing once the alarm time is reached.**

**Snooze Function**

1. When the alarm sounds, it can be temporarily stopped by pressing the **Snooze Button**. The display will show the "SNOOZE" indicator and the relative alarm indicator 🕐 or 🕑 will be flashing.
2. The alarm will be delayed for 9 minutes and then come again.
3. This manual snooze operation can be repeated again and again.

## LISTENING TO RADIO

1. Press the **Power ⏻ Button** to turn on the unit.
2. Tap the **Source Button** to select Radio mode, radio icon 📻 appears on display.
3. To manually tune the radio station, tap the ⏮ or ⏭ button repeatedly. Use the manual tuning method to tune in weaker stations that are bypassed during Automatic Tuning.
4. To automatically tune to the next available radio, press and hold the ⏮ or ⏭ button for 1-2 seconds until frequency readout on the display begins to scan and then release the button. The tuner will stop scanning when it receives the next broadcasting station of adequate signal strength.
5. Adjust the volume control to the desired volume level.
6. If no button is pressed for 5 seconds in radio mode, the display will change to show current time. You can tap the **Display Button** to check the radio station you are listening after the channel no. shown.

**HINTS FOR BEST RECEPTION:**

The receiver has a build-in FM wire antenna hanging from the back cabinet. This wire should be totally unwrapped and fully extended for the best reception.

**NOTE:** Automatic tuning depends on the signal strength of the broadcasting station, so weak stations may be skipped. You can manually tune to find the weak stations if a station gets skipped. With strong signals, the tuner may stop before it reaches the actual broadcast frequency, so you may need to manually tune for the best reception.

## PRESET RADIO STATIONS

This unit has 10 preset memories for the FM radio.

1. Press the ⏻ button to turn on the unit.
2. Tap the **Source Button** to select Radio mode.
3. Tune to the desired radio station either by "manually" or "automatically" tuning method.
4. Press and hold the **Time Set / Memory Button** to enable the program function and the preset channel number "P01" indicator will show on the LCD and flashing for 5 seconds.
5. Tap the ◄◄ or ►►◄ button to select the preset number you want to assign the station to.
6. Press the **Time Set / Memory Button** to confirm the setting.
7. Repeat above steps 3-6 to store other stations.

**Note:** The unit can automatically search and store the preset memories. Press and hold the **Time Set / Memory Button** for 4~5 seconds to activate auto preset mode and the total number of stations can be stored depends on the signal strength of broadcasting stations.

## RECALLING PRESET MEMORY CHANNELS

In radio mode, recall the pre-set channels by pressing the **Memory / Pairing Button** on the top of the unit repeatedly.

## LISTENING TO A BLUETOOTH ENABLED DEVICE

1. If the JBD-100 has never been paired with a Bluetooth device before, you need to follow the pairing instructions below to link the JBD-100 with your Bluetooth device.

   • Press the ⏻ button to turn on the unit.

   • Tap the **Source Button** to select Bluetooth mode. The unit will search the paired device with the 🅱 icon flashing slowly on the LCD display.

   • Press and hold the **Pair Button** for 4~5 seconds. Then the 🅱 icon will be flashing rapidly on the LCD display and 2 short beep will heard, the unit will goes into Pairing/Discoverable mode.

   • Turn on the Bluetooth function of your Bluetooth device and enable the search or scan function to find the unit.

   • Select "JBD-100" from the device list when it appears on your device screen. If required, enter the pass code "0000" to pair (link) the unit with your device.

   • After successfully pairing (linking) the Bluetooth enabled device the icon 🅱 will light steadily and a short beep will heard.

Note: If you can't pair the JBD-100 with your Bluetooth enabled device, you can try to turn Off & On the power of your unit to solve the problem.

2. Turn on the unit and tap the **Source Button** to select Bluetooth mode, Bluetooth icon 🟦 will be flashing slowly on display. The unit is searching the last paired device. Once it is found, the icon 🟦 will light steadily.
3. After successfully pairing (linking), you can begin playing music from your Bluetooth enabled device wirelessly to the speaker.
4. Press the **Volume +/ Volume - Button** on the speaker to adjust to the desired volume level.
5. After selecting your favorite song, press **Play / Pause ▶❙❙ Button** on the unit to play or pause the playback song.
6. Press ❙◀◀ or ▶▶❙ button to skip to the previous or next song.
7. Press and hold the ❙◀◀ or ▶▶❙ button for fast reverse or fast forward during playback.
8. If the unit need to pair with another Bluetooth device. Press and hold the **Pair Button** for 4~5 seconds. The 🟦 icon will be flashing rapidly on the LCD display and 2 short beep will heard, the unit will goes into Pairing/Discoverable mode again. Repeat last 2 steps on point 1 above.

**Notes:**
1. Refer to the manual of your cell phone, tablet PC, computer or other Bluetooth enabled devices for Bluetooth operation since it may vary from model to model.
2. If your Bluetooth enabled device does not support A2DP profile, it will not play the music through the speaker, even if paired (linked).
3. If you are pairing (linking) your computer to the unit using Bluetooth, you may need to set the speaker as your computer's default sound device.

**Using the unit as a Hands-free Bluetooth Speakerphone**
1. Link your cell phone to the unit via Bluetooth as described above.
2. When receiving an incoming call on your cell phone, tap the **Phone 📞 Button** on the unit to switch the incoming call from cell phone to the unit. A short beep tone will be heard confirming the call is being answered. Complete your call using the built-in microphone and speaker on the unit.
3. Press the **Volume +/ Volume - Button** on the unit to obtain the desired sound level.
4. To end the call, just tap the **Phone 📞 Button** on the unit again. A short beep sound will be heard and the call will end. If you are playing music from your cell phone to the unit before answering the call, the music will automatically resume playing when you hang up.
5. To ignore an incoming call, simply press and hold the **Phone 📞 Button** on the speaker for about 3 seconds, a short beep tone will be heard and the call will be rejected.

**Hang up with the JBD-100**
A quick press on the **Phone 📞 Button** will end the call in progress. A short beep tone will be heard from the speaker confirming the call has ended.

**Redialing the last number with the speaker**
The speaker will automatically redial the last number you have dialed by pressing & holding the **Phone📞Button** on the speaker for about 3 seconds a long beep will heard.

**Note:** This feature is phone dependent.

## CHARGING YOUR SMART PHONE OR PORTABLE DEVICE

This unit features a USB port for charging your portable device (iPod, iPhone, Android phone, etc.) when used with the USB charging cord that came with your device.

1. Plug one end of the USB cable (not included) into the **USB Charging Port** located on the back of the unit. Plug the other end of the cord 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.

**CAUTION:**

Before charging, please refer to the user manual of the device you wish to charge to make sure the charging current requested does not exceed 1A (1000mA). Overloading the charging circuit may damage the unit permanently and void the warranty.

1. The USB charging port of this unit supplies a DC 5V output at 1000mA maximum current to charge your smart phone or portable device battery and it cannot support any other voltage range.
2. Make sure the device you want to charge has a battery charge rating of DC 5V only.
3. The USB port of this unit is designed for smart phone or portable device battery charging only and it cannot support data transfer or connect to computer.
4. Do not connect the USB port of this unit to other external power charger USB ports, it may damage both units and void the warranty.

**Note:**

1. Some smart phones and portable devices use proprietary USB connections and circuitry, so they may not charge when plugged into the USB port. Please refer to your device user manual before you attempt to charge them.
2. It is normal if the unit gets warm while the USB port is in use and charging your smart phone or portable device.
3. Do not charge your smart phone over 12 hours continuously. Disconnect your smart phone or other portable device from the USB cord once it is fully charged.

## DIMMER

Press the **Snooze / Dimmer Button** to adjust the LCD backlight intensity to obtain the best clarity of LCD Panel readout.

**Note:**

• Every time you turn on the unit, the LCD backlight will revert to highest intensity to let you operate the unit easily.
• After adjusting the LCD backlight intensity in standby mode, the intensity level will be stored and there is no need to adjust every time.

## SLEEP TIMER OPERATIONS

1. In Radio, Bluetooth or AUX mode, when you press the **Sleep ZZZ Button** once, the "SLEEP" indicator will appear on the LCD display.

2. Tap the **Sleep ZZZ Button** repeatedly to select the desired sleep time. The sleep timer can be chosen from 10 - 120 minutes in 10 minute step. After sleep timer has been selected, wait for 5 seconds to confirm. The "SLEEP" indicator remains on the LCD. The unit will stop and go into Standby mode automatically when the selected sleep time has expired.

3. To check remaining sleep time, simply press the **Sleep ZZZ Button**.

4. Press and hold the ⏻ button to switch off the unit before the selected sleep time expires.

**Note:**

• If you press the **Sleep ZZZ Button** once and the "SLEEP " indicator appears on the LCD display, the unit will go into Standby mode automatically when the selected time has expired.

• If you have chosen to sleep to music from an external device connected to AUX input, the sleep timer will shut off the power to this unit only but it will not turn off power to the external device.

• **If you choose to SLEEP to your Bluetooth device, the song will pause when the Sleep Time expires and will resume playing once the alarm time is reached.**

## 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 speakers of this unit.

1. Use an audio cable (not included) with one 3.5 mm stereo plug on each end of the cable.

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. To select auxiliary audio input, tap the **Source Button** to select AUX mode. "AUX" icon appears on display.

5. The volume level can now be controlled through the main unit. Operate all other functions on the auxiliary device as usual.

**Note:**

• 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.

# RESETTING THE UNIT

If the unit experiences a power surge or electric shock, it is possible that the internal micro-controller may lock up and the unit will not respond to any commands from the panel controls. In this event, use a straightened paper clip, toothpick or similar objects to press the **RESET button** located at rear of the unit (see the below figure). The reset operation clears the system memory and all of your previous settings will be erased.

**CAUTION: DO NOT USE A SHARP OR POINTED OBJECT TO PRESS THE RESET BUTTON. IT MAY DAMAGE THE RESET SWITCH INSIDE THE UNIT.**

**RESET BUTTON**
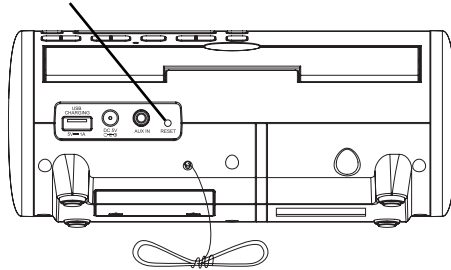
# CARE AND MAINTENANCE

1. Do not subject the unit to excessive force, shock, dust or extreme temperature.
2. Do not tamper the internal components of the unit.
3. Clean your unit with a dry cloth. Solvent or detergent should never be used.
4. Avoid leaving your unit in direct sunlight or in hot, humid or dusty places.
5. Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.

**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

| Symptom | Possible Problem | Solution |
|---------|------------------|----------|
| The unit does not respond (no power) | The unit is disconnected from the AC outlet. | Reconnect to the AC outlet. |
| | The AC outlet has not power. | Try the unit on another outlet. |
| No Sound | The unit is not linked with Bluetooth enabled device. | Go through "LISTENING TO BLUETOOTH ENABLED DEVICE" process to link the unit. |
| | The unit placement out of range. | Relocate the unit within Bluetooth operating range (30 Feet). |
| | Volume set too low. | Press **Volume + Button** to turn the sound level up. |
| Cell phone will not charge | Cell phone is not installed properly. | Remove your cell phone from the charging cord and check for obstruction on the connectors. |
| | Cell phone is locked up or frozen. Cell phone battery has problem. | Please make sure your cell phone is working properly before plugging into the unit. Please refer to your cell phone manual for details. |
| Noise or sound distorted on FM broadcast | Station not tuned properly for FM. The FM wire antenna is not fully extended. | Retune the FM broadcast station. Fully extend the FM wire antenna. |
| Sound is distorted | Volume level is set too high. | Decrease the volume. |
| | Sound source is distorted. | If the cell phone original sound source is of poor quality, distortion and noise are easily noticed with high-power speakers. Try a different audio source such as a music CD. |
| | | If you are using an external sound source like older generation of iPod, try reducing the output volume on the device itself. Also try turning bass boost OFF or change the EQ setting. |
| Unit gets warm after extended play at high volume | This is normal. | Turn the unit off for a period of time or lower volume. |

## SPECIFICATIONS

**Power requirement:**
AC-DC adaptor:                Input: AC 120V ~ 60Hz
Main Unit:                     DC input: DC 5V === 1500mA
Backup Battery for Clock:    2 x AAA (UM-4) Batteries (not included)

**Frequency Range**
Radio Band:                   FM 87.5 ~ 108 MHz

**SPECTRA®** *green*

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 $25.00 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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