



BLUETOOTH AM/FM WEATHER BAND RADIO WITH WEATHER ALERT



MODEL: JEP-900
USER MANUAL



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

Please contact Spectra Customer Service at 1-800-777-5331 if
you have any questions about operating this product

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 – All the safety and operating instructions should be read before the appliance is operated.
2. Keep these instructions – The safety and operating instructions should be kept for future reference.
3. Heed all warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow all instructions – All operation and use instructions should be followed.
5. Do not use this apparatus near water – The appliance should not be used near water; for example, near a bath tub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.
6. Clean only with dry cloth – The appliance should be cleaned only as recommended by the manufacturer.
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
8. Only use attachments / accessories specified by the manufacturer.
9. 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.
10. 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.
11. 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.
12. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
13. 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.
14. Caution marking and nameplate are located on back of product.

COMPLIANCE WITH FCC REGULATIONS

FCC ID: 2AB4KMTYH8247

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.

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.



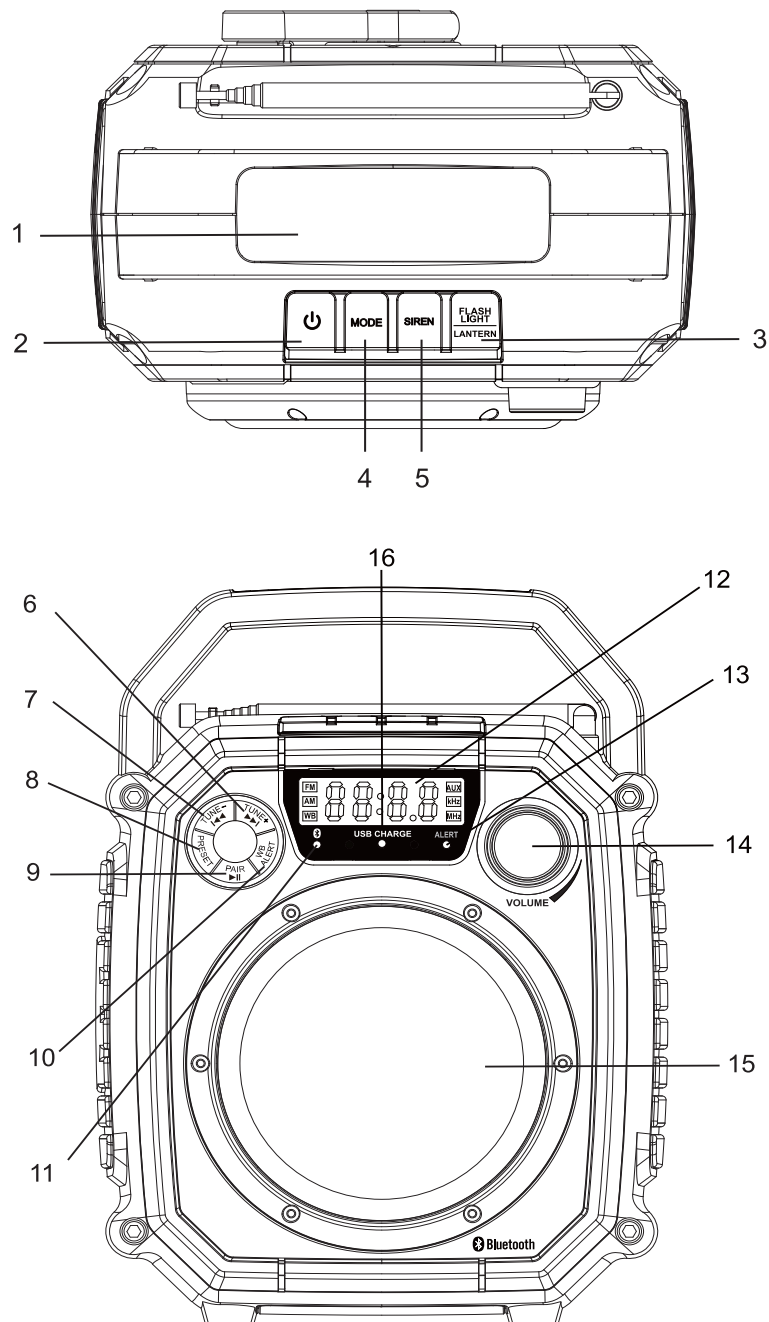
Customer's Record:

The serial number of this product is found inside the battery compartment. 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: JEP-900

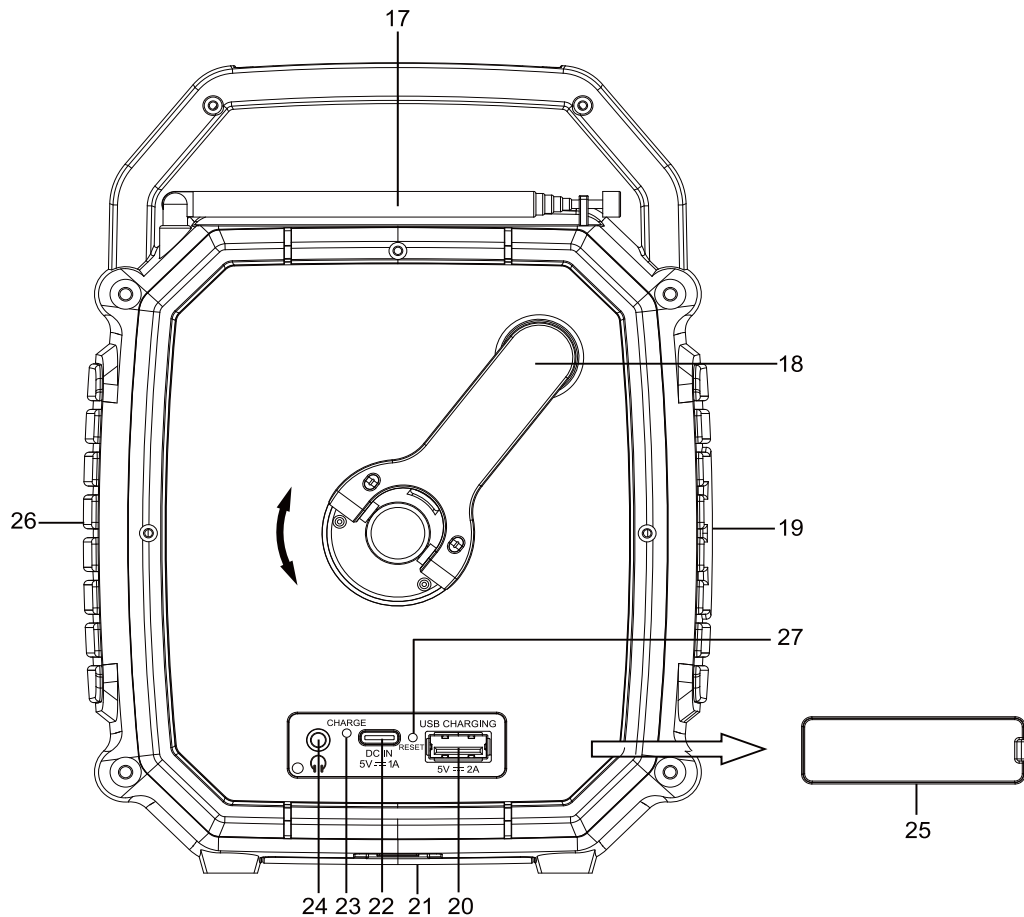
Serial Number: _____

LOCATION OF CONTROLS



1. Solar Panel
2. Power On/Off  Button
3. Flashlight/Lantern Button
4. Mode Button
5. Siren Button
6. Radio TUNE+; Bluetooth/Radio Preset Skip Forward  Button
7. Radio TUNE-; Bluetooth/Radio Preset Skip Backward  Button

- 8. Radio Preset Button
- 9. Bluetooth Play/Pause ►|| ; Pair Button
- 10. Weather Band Alert Mode On/Off Button
- 11. Bluetooth Mode Indicator
- 12. LED Display
- 13. Weather Alert Indicator
- 14. Volume Knob
- 15. Speaker
- 16. Smartphone Charging Mode Indicator



- 17. Rotary Telescopic Antenna
- 18. Hand crank
- 19. LED Flashlight
- 20. USB Charging Port
- 21. Battery Compartment
- 22. Type C USB (DC IN) Port
- 23. Charging Indicator for Built-in Battery
- 24. Headphone Jack
- 25. Dust Cover
- 26. LED Lantern
- 27. RESET Button

POWER SOURCE

This radio is designed to operate on multiple power sources.

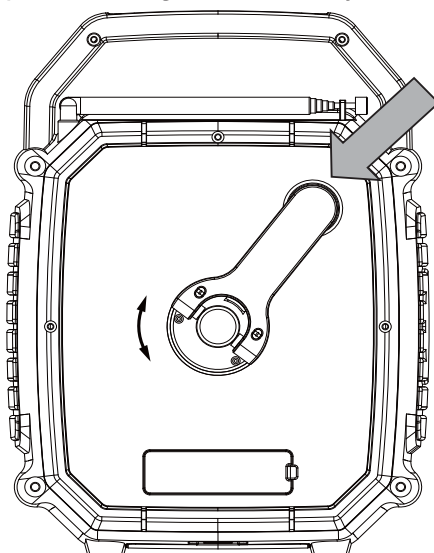
IMPORTANT: If the charging indicator on the back cabinet is flashing, the battery power is low, fully recharge the internal rechargeable battery using one of the options below or install 3 new “AA” batteries.

A) FOUR WAYS TO POWER AND CHARGE THE UNIT

The JEP-900 features a built-in 3.7V DC rechargeable lithium-ion battery and a battery compartment for 3 x “AA” batteries (batteries not included). The internal battery can be charged a few different ways described below, but batteries placed in the battery compartment cannot be charged.

1) “DYNAMO” CHARGING

1. Lift the Hand Crank handle outward until it’s fully extended. Begin rotating the Hand Crank either clockwise or counterclockwise to begin charging the internal battery. The red CHARGE LED on the back panel will light red while you are turning the Hand Crank.



2. Continue turning the Crank to generate electricity to charge the internal battery. More power is generated the longer you turn the crank handle, and the Radio listening time will be extended (Radio reception only).

Note: Turn the Hand Crank continuously in a clockwise or counterclockwise direction at 100-130 RPM (1-2 complete turns per second) to generate constant power and charge the internal battery. It may require 9 - 10 minutes of cranking if the battery is completely drained or if the charge LED is not lighting.

3. Tap the Power On/Off  button to turn on the unit for operation.



Lithium Battery Safety Instructions

Do not burn or bury batteries. Do not puncture or crush. Do not disassemble.
Recycle Lithium batteries. Do not dispose of in the trash.

If the electrolyte in the cells should get on your skin, thoroughly wash with soap and water. If in the eyes, rinse thoroughly with cool water. Immediately seek medical attention. Use only chargers rated for Lithium cells. Be sure the charger's voltage and current settings are correct for the battery pack being charged. Charge batteries on a fireproof surface away from flammable items or liquids. Batteries should NEVER be left unattended while charging. Only adults should charge the batteries. Follow the manufacturer's instructions for charging the product and do not charge longer than recommended. Unplug the charger when the battery is charged.



Recycle Rechargeable Batteries

Recycle your old rechargeable batteries at one of the many collection sites in the U.S. and Canada. To find the site nearest you, visit www.call2recycle.org or call toll-free 1-877-2-RECYCLE.

2) SOLAR CHARGING

1. The JEP-900 has a solar panel built into the handle. Place the unit in direct sunlight, making sure the solar panel of the unit is facing towards the sun. If the sunlight is strong enough, the red CHARGE LED on the back panel of the unit will light up red indicating the unit is charging. More power is generated the longer you leave the unit in direct sunlight, and the Radio listening time will be extended (Radio reception only).

Note: If the battery is completely drained (charge LED not lighting), it may require very long exposure to direct sunlight to charge the internal battery using the solar panel. You should use one of the other power modes available if you need to use the radio immediately.

3) DC IN - USB Charging Port

1. The unit has a type C USB charging port on the back of the unit and a type C USB charging cord is included.
2. You will need an AC charging adaptor like what's used for charging your cell phone to charge the internal battery of the JEP-900. The AC adaptor must have an output of 5V DC, 1000mA (1A) for it to charge the internal battery properly.
3. Plug the type C USB end of the included cord into the back of the JEP-900 and the other end into the AC Adaptor (not included).
4. Plug the AC adaptor into an 120V AC, 60Hz household outlet.

Note: 1.) The USB power adaptor (not included) described above is the same type commonly used with smartphones. A USB to type C USB cord (included) is also required for charging the unit via the type C USB jack located on the back of the unit.
2.) You may experience noise or reduced reception if you are operating the radio when using the type C USB charging port. This interference is caused by the adaptor you are using and not a defect with the product. We recommend using another adaptor, preferably a linear type or refrain from using the radio until the internal battery is fully charged.

4) “AA” Battery Operation (batteries not included)

1. Open the Battery Door on the bottom of the JEP-900.
2. Following the polarity diagrams shown in the battery compartment, insert 3 ‘AA’ (UM-3) batteries (not included).
3. Replace the battery door.

Note: For optimum performance, alkaline-type batteries are recommended.

4. Tap the Power On/Off  button to turn on the unit for operation.

NOTE: Batteries installed in the battery compartment cannot be recharged using the methods described above.

WARNING:

- Be sure that the batteries are installed correctly. Wrong polarity may damage the unit.
- Do not mix old and new batteries.
- 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 battery. Any old or leaking battery can cause damage to the unit and may void the warranty.
- Do not dispose of batteries in fire, batteries may explode or leak.
- Do not try to recharge batteries not intended to be recharged; they can overheat, rupture and leak (Follow battery manufacturer’s directions).

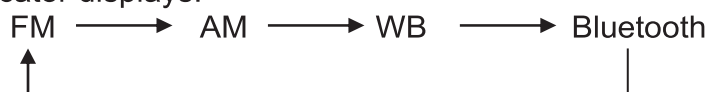
LOW BATTERY INDICATION

When using battery power to operate this unit and the battery power becomes weak, the charging indicator on the back of the unit will light up and begin flashing. You should recharge the internal battery or replace the exhausted batteries in the battery compartment immediately.

LISTENING TO THE RADIO

1. Tap the  button to turn on the unit, LED display lights.
2. Tap the  button to select AM/FM/Weather band in below sequence.

The radio indicator displays.



3. To manually tune to a desired station, repeatedly tap the TUNE+ / - button.
4. To automatically search for stations with strong signals, press and hold the TUNE+ / - button until the frequency digits on display begins to scan then release the button. The tuner will stop on the first strong signal it finds.
5. Rotate the VOLUME control knob to obtain the desired sound level.
6. Tap the  button to turn unit into off mode after listening.

Notes:

- Manual tune 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:

- 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.
- To insure maximum FM tuner reception, the Telescopic Antenna should be fully extended and rotated to obtain the best possible station reception.

PRESET RADIO STATIONS

1. Tap the  Button to turn on the unit.
2. Tap the MODE Button to select AM or FM radio mode.
3. Tune to the desired radio station either by “manually” or “automatically” tuning method.
4. Press and hold the PRESET Button, the preset indicator “P” will show in the LED display and the next available preset memory number will be flashing. (Note: Preset location number “01” will be flashing in the display if you are programming preset for the first time).
5. Tap the TUNE+/  or TUNE-/  Button on main unit to select the preset number you want to assign the station to.
6. Tap the PRESET Button to confirm the setting.
7. Repeat above steps 3 - 6 to preset up to 15 FM and 15 AM stations.

RECALLING PRESET MEMORY CHANNELS

In AM or FM radio mode, recall the pre-set channels by:

1. Tapping the PRESET button repeatedly to recall the preset channels in the upward direction.
2. Tap the PRESET button, preset channel appears in the LED display, tap the  or  button to the desired preset channel, wait for 3 seconds to confirm.

LISTENING TO A WEATHER CHANNEL

1) Weather Band

1. Tap the  button to turn on the unit.
2. Tap the MODE button repeatedly to select weather band. The "WB" indicator will light and the currently set weather channel (CH1-7) will show on the LED display.
3. Tap the TUNE+ /  or TUNE- /  button repeatedly to select your local weather broadcast channel.
4. Rotate the VOLUME control knob to obtain the desired sound level.
5. To turn the radio off, tap the  button, LED display turns off.

Weather Band Channel Frequency Table

CHANNEL	FREQUENCY(MHz)
CH1	162.400
CH2	162.425
CH3	162.450
CH4	162.475
CH5	162.500
CH6	162.525
CH7	162.550

Note: Regarding the NOAA Weather Band: You need to identify which band receives your local weather band report. When you change locations either to another city or state, you may need to choose a different band to get the correct local report in that location.

HINTS FOR BEST RECEPTION:

- To insure maximum weather band reception, the Telescopic Antenna should be fully extended and rotated to obtain the best possible station reception.

2) RECEIVING AN EMERGENCY WEATHER ALERT

The Weather Alert function allows you to set the weather radio to a standby mode that will turn the radio on automatically if there is a severe weather emergency in your area. To receive emergency weather alert warnings, turn the unit on, tune to the strongest local NOAA weather channel, adjust the volume to a level that you will hear when an alert is received. The radio remains silent until an “alert” broadcast occurs.

1. Tap the MODE button repeatedly to select weather band. The "WB" indicator will light and the currently set weather channel (CH1-7) will show on the LED display.
2. Tap the TUNE +/- button repeatedly to select your local weather station.
3. Tap the WB ALERT button to enter Weather Alert standby mode, the “ALERT” indicator lights on the LED display. The Weather Band channel number will show on the display and then turn off after 10 seconds automatically, but the “ALERT” indicator will remain lit. The unit will turn on automatically when there’s an emergency alert from the National Weather Service for your area.
4. Tap the MODE button to turn off the NOAA Alert and switch the unit to another MODE. It’s recommended to keep the unit connected to the AC adaptor to power the radio when you turn on the Weather Alert feature.

Note: 1.) Weather Alert mode can be instantly accessed in any MODE by pressing the “WB ALERT” button.

2.) The radio will continue to drain the battery if it’s left in Weather Standby Mode, so it is highly recommended that you use a USB power adaptor (not included) to prevent the battery from completely draining and turning the radio off while in use. See the "USB POWER" section above for more information on the USB charger.

3.) NOAA Weather band is a service broadcast of the U.S. Government and available in all 50 states, Puerto Rico and the U.S. Virgin Islands.

4.) The NOAA Weather Service broadcasts a test alert every Wednesday between 11 am and Noon. To receive the broadcasts, the radio must be within the range of the local broadcast site, 10 - 40 miles, depending on terrain and obstructions.

To learn more:

Click on <http://www.nws.noaa.gov/nwr/> for NOAA (National Oceanic & Atmospheric Administration) and <http://www.ec.gc.ca/> for Environment Canada.

BLUETOOTH OPERATION

PAIRING A SMARTPHONE OR BLUETOOTH ENABLED DEVICE

The Bluetooth feature enables you to stream and play the digital music on your Bluetooth enabled device to your unit.

1. In power on mode, tap the MODE button repeatedly to select Bluetooth mode, the Bluetooth  indicator will flash.
2. The unit will start in auto connection mode and search for a previously paired device that is active and in range (30 feet/10 meters). If found, a brief welcome melody will be heard and Bluetooth indicator  will change to solid on. If no active device is found, the unit will switch to interactive pairing mode and the Bluetooth indicator keeps flashing.
3. To establish a new link, turn on the Bluetooth function of your Bluetooth enabled device and enable the search or scan feature to find "JEP-900" in the list of discoverable Bluetooth devices. Select the "JEP-900" from your available device list when it appears on its screen and a brief welcome melody will be heard if pairing and connection is successful. If you are asked for a password, enter "0000".
4. If no successful pairing and connection is made within 5 minutes, the unit can enter manual pairing mode. You need to press and hold the PAIR button until Bluetooth indicator flashes to initiate a pairing/connecting request to a new or old Bluetooth enabled device. Follow step #3 to complete the process.
5. After successfully pairing and connecting your device with JEP-900, the unit will emit a brief welcome melody and the Bluetooth indicator will change to solid on. You can now play music from your Bluetooth enabled device wirelessly to the JEP-900.
6. If you want to connect the JEP-900 to another new external Bluetooth enabled device while paired with another device, press and hold the PAIR/  button for few seconds to disconnect the existing connection. The unit will emit two short beeps and Bluetooth indicator will change to flash. Repeat steps #3 to #4 above to make a new link.
7. Rotate the VOLUME CONTROL on the top panel to increase the listening volume gradually until a comfortable listening level is reached.
8. Press the PLAY/PAUSE  BUTTON to control play/pause.
9. Press the SKIP FORWARD  BUTTON to skip to next song and SKIP BACKWARD  BUTTON to skip to previous song.

Notes:

- If you cannot pair the unit with your Bluetooth enabled device, try solving the problem by turning the unit power off, then power on, and then starting the pairing process again.
- The Bluetooth function of the unit will remain paired unless the paired device goes out of range of 30 feet (10 meters). If the broken link is re-established within 20 seconds, the JEP-900 will reconnect to the current paired device automatically. Otherwise you will need to make a manual connection again later.
- You may need to turn off the Bluetooth function of the paired external device first before making a new link.
- Refer to manual of your smartphone or external Bluetooth enabled device for correct Bluetooth operation instructions since it may vary from model to model.
- If your Bluetooth enabled device does not support A2DP, it will not play the music through the JEP-900 system even after it is paired and connected successfully.

- If you are pairing and connecting your personal computer to the JEP-900 using Bluetooth, you may need to set the JEP-900 as your computer's default sound device.

RE-LINKING TO A SMARTPHONE OR BLUETOOTH ENABLED DEVICE

Even if your smartphone or Bluetooth device is already paired with the JEP-900 and with both Bluetooth functions turned on, they can become unlinked at some point due to intentional manual disconnection or undesirable external signal interferences or over-range for more than 10 seconds. If this happens, the unit will emit two short beeps. You can re-link them and resume play by:

1. Select "JEP-900" from the device list on your smartphone or Bluetooth device. The JEP-900 should re-link to your Bluetooth enabled device within 5 seconds.
2. Tap the play button of the music player on your Bluetooth enabled device to resume playback.

CHARGING THE INTERNAL BATTERY

DYNAMO CHARGING

1. Make sure you disconnect any charging cable or accessory you have plugged into the USB ports and headphone out jack located on the back of the unit.
2. When you turn the hand crank, the built-in dynamo will start to generate electricity. The unit will charge the internal Lithium battery automatically while you turn the hand crank.
3. While charging, the CHARGE LED on the back panel of the unit will light up red.

NOTE: While the intensity of the battery power is limited, when the battery charging indicator on the back of the unit is flashing, the internal rechargeable Lithium battery is low and needs to be charged. Rotate the Hand Crank again to begin charging the internal battery.

USB CHARGING

1. Plug the type C USB end of the included cord into the back of the JEP-900 and the other end into the AC Adaptor (not included). The AC adaptor must have an output of 5V DC, 1000mA (1A) for it to charge the internal battery properly.
2. Plug the AC adaptor into an 120V AC, 60Hz household outlet.
3. While charging, the CHARGE LED on back panel of the unit will light up red. It will turn to green when the battery is fully charged.

NOTE: 1.) We recommend you charge the internal Lithium battery for 7 - 8 hours prior to use. Please do not charge the battery longer than recommendation as it will shorten the battery life.

2.) You may experience interference in radio broadcasts if you listen to the radio while charging.

SOLAR CHARGING

The solar panel is located on the top of the unit. Reposition the unit so the top panel is facing towards the sun for optimal charging if necessary.

1. Put the unit in direct sunlight and the unit will begin charging the internal rechargeable battery automatically.
2. While charging, the CHARGE LED on the back panel of the unit will light up red.