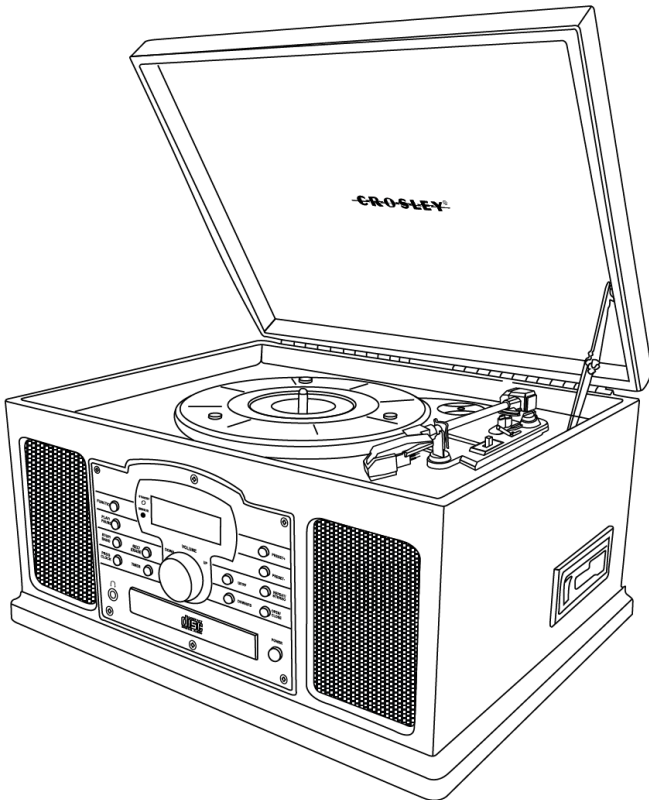




CR7002E-PA  
Troubadour Turntable  
Instruction Manual

---



## Safety Instructions

Read and understand this entire manual before using this product. Keep these instructions for future reference.

1. Read Instructions - All the safety and operating instructions should be read before the product is operated.
2. Retain instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the product and in the operating Instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture - Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
8. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
9. Ventilation - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built - in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10. 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 instructions.
11. Grounding or Polarization - This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
12. Power - Cord Protection - Power - supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
13. Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power - line surges.
14. Power Lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
15. Overloading - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
16. 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.



17. Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
18. 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. This indicates a need for service.
  - f. When the product exhibits a distinct change in performance
19. Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
20. Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
21. Wall or Ceiling Mounting - The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
22. Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

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.

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 a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio TV technician for help.

## Items in this package

---

Before throwing away any packaging materials, please check thoroughly and make sure you find the following items that come along with this package:

- Turntable
- Remote Control
- 45 RPM adapter
- 3.5mm aux in cable
- AC Power Adaptor

**Retain the original packaging materials for exchange or return purposes.**

## Specifications

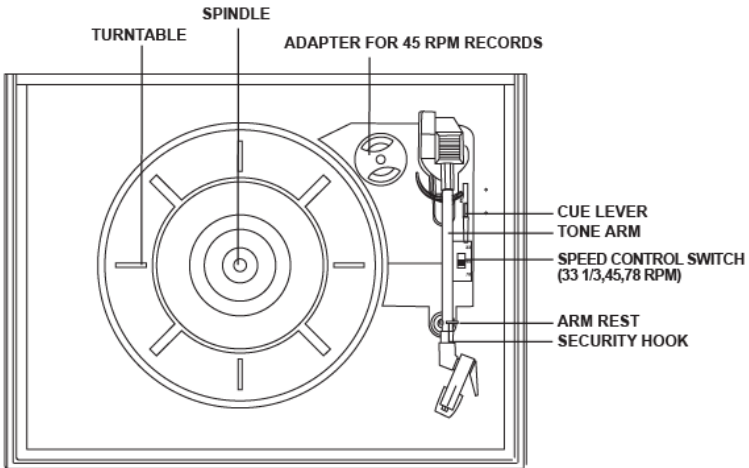
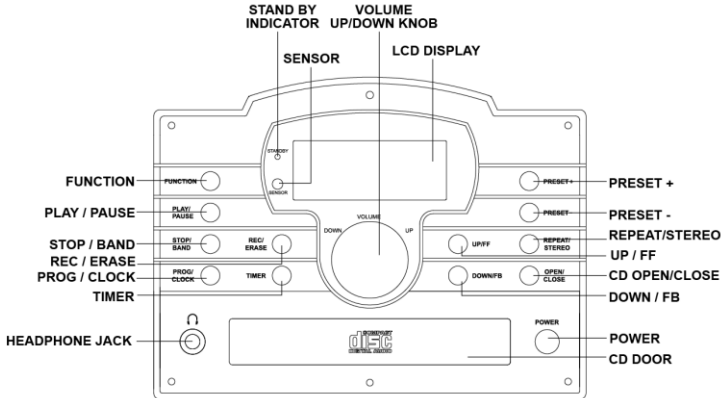
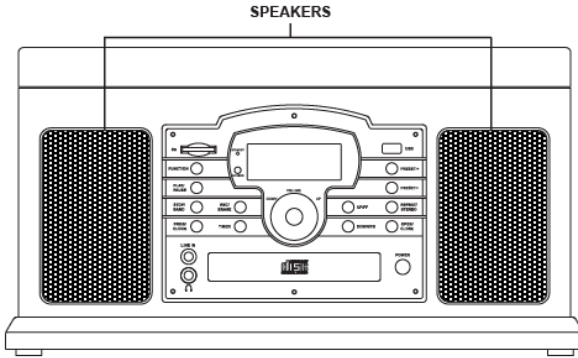
---

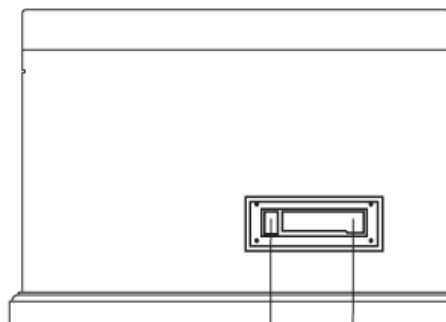
Frequency Range	AM 522 - 1620 KHz FM 87.5 - 108 MHz
Antennas	External FM antenna wire Built-in ferrite AM bar
Power Source	DC 12V - 1200mA
Speaker Size	4" Dynamic type x 2
Speaker Ohm	4 Ohm
Speaker Watt	5W
Power Output	2W x 2

Note:

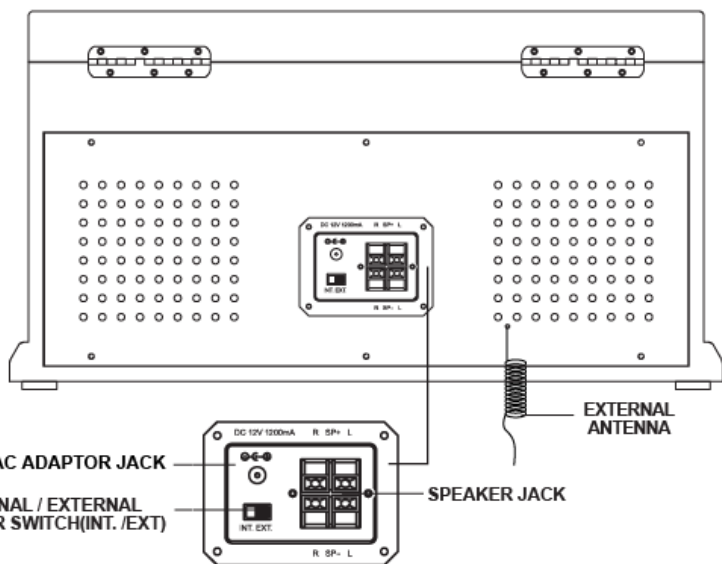
- *Design and specifications are subject to change without notice.*
- **To help save power consumption, some models will comply with ERP energy saving standard. When there is no audio input for 20 minutes, their powers will automatically cut-off. To turn power back on and resume playing, you will need to turn off the power and turn it on again.**

# Product Description





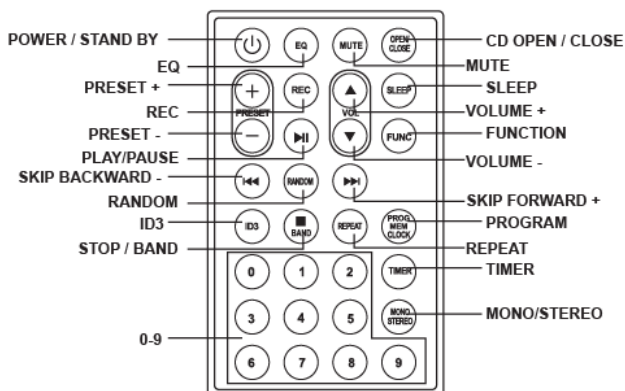
CASSETTE DOOR  
EJECT /F.F.



AC ADAPTOR JACK  
INTERNAL / EXTERNAL  
SPEAKER SWITCH(INT. /EXT)

SPEAKER JACK

EXTERNAL  
ANTENNA

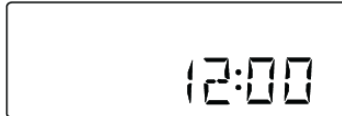
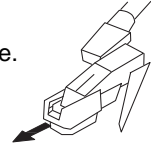


## Initial Setup

---

### Essential Setup

1. Remove packing materials from unit.  
*Note: Save all packing materials*
2. AC adaptor and remote control are located on the outside of the styrofoam packaging.
3. Remove plastic bag covering radio and remote control.
4. Untie antenna wire on back of radio.
5. Open lid and remove styrofoam shipping material from turntable.
6. Remove black tie-wrap from under the TONE ARM
7. Remove white protective needle cover by gently pulling towards the front of the unit.
8. Plug the small end of the AC adaptor into the DC jack on the back of unit and plug the adaptor into an appropriate outlet.
9. Untie the FM antenna and allow it to hang down in a straight line for optimum FM reception. If you have trouble tuning in an FM station, move the external FM antenna for best reception. Do not connect FM antenna to outside antenna.
10. Connect the AC adaptor to the wall socket. This system switches to Standby mode automatically and LCD would be shown as below



11. To switch the unit on, press **POWER** button LCD backlight will be turned on.
12. STANDBY LED is turned off and displayed as below.



## Stereo System Connection

---

### Spring clip speaker terminals

The spring clip speaker terminals deliver amplified, speaker-level signals as output and should be connected with the passive speakers.

*Note:*

*When using external speakers the switch labeled Int./Ext. must be switched to the EXT. position.*

## Aux Input Connection

You can connect an audio device to this unit and play your music through its speakers. To do this, press the AUX button to set the unit to Aux In mode, connect the 3.5mm auxiliary cable between your audio device and the **Line In Jack** of this unit and start playing.

## Basic Operation

### Function Select

1. Press **Function** to select among:



2. When the unit is on, press **Power** to switch the unit off. LCD backlight will be turned off and shown message "GOOD BYE" for 2 seconds, then the STANDBY LED is turned on.

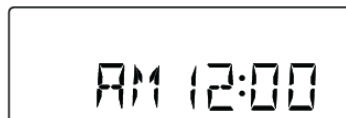


*Note: In the standby mode, EQ setting, sound settings tuner presets and the volume level (up to a maximum volume level of 30) will be stored in the unit's memory.*

### Setting The Clock

After connecting the system to power supply, set the clock first.

1. Press **POWER** to switch the unit to Standby mode.
  - The display shows the time
  - "0:00" flashes by default if you have not set the clock.
2. In the Standby mode, press and hold **PROGRAM** over 1 second. The hour's digit starts flashing
3. Press the **FF** or **FB** repeatedly to set the hours.
4. Press **PROGRAM** again to confirm. The minutes digit starts flashing
5. Hold down **FF** or **FB** repeatedly to set the minutes.
6. Press **PROGRAM** again to confirm. The minute's digit stop flashing, the clock begins to run.
7. Press **PROGRAM** to select between 12 and 24 hours, shown as below





## Setting The Timer

The unit can be used as an alarm clock, whereby the selected source (CD, TUNER, OR PHONO) to start playback at a preset time. Make sure the clock is set before using the timer.

1. In the standby mode, press and hold **Timer** over 1 second, icon " " and message "TURN ON" start flashing. Press **Timer** again to begin the "SYSTEM POWER ON" timer setting.



2. Press **FF** or **FB** repeatedly to set hours.
3. Press **Timer** to enter minutes setting mode.
4. Press **FF** or **FB** repeatedly to set minutes.
5. Press **Timer** again to begin "SYSTEM POWER OFF" timer setting. Icon " " and message "TURN OFF" start flashing. Press **Timer** again to begin timer setting.



6. Press **FF** or **FB** repeatedly to set hours.
7. Press **Timer** on the remote to enter minutes setting mode.
8. Press **FF** or **FB** repeatedly to set minutes.
9. Press **Timer** again to begin setting the source from wake up. Default at TUNER mode. Message TUNER start flashing.



10. Press **Function** to select wake up source. The unit will be waked up from last tuned station if TUNER mode is selected.



11. Press **Timer** on the remote again to complete timer on/off setting. Icon " " will keep display on LCD if timer is set.

Note: The wake up sound level will be increased gently to preset volume level.

12. Press **Timer** on the remote control to turn on/off the timer. The icon " " will be on/off respectively.

**Sleep**

Sleep mode allows the unit to operate for a pre-set amount of time, and then automatically turns off.

On the remote control, press **SLEEP** repeatedly to select the desired time period options (in minutes):

- Display shows in sequence: SLEEP 90, 80, 70, 60, 50, 40, 30, 20, 10
- Display shows the selected option briefly and returns to its previous status.



To deactivate the sleep timer, press **SLEEP** again to “00” or Press **POWER** to switch the unit into standby mode.

**Mute**

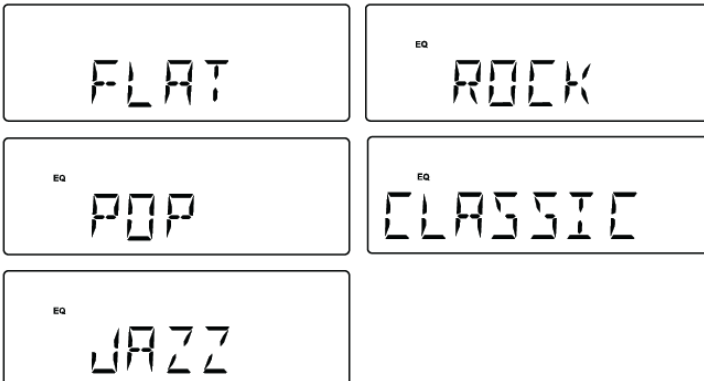
You can temporarily switch off the sound without switching off the unit.

1. Press **Mute** on the remote control to switch off the sound, playback continues without sound.
2. To switch on the sound, you can:
  - press **Mute** again
  - adjust the volume controls
  - change the source


**EQ**

Press **EQ** on the remote control to select desired EQ mode.

5 modes preset EQ:



---

## Bluetooth Operation

---

1. Press the **Function** button to switch to Bluetooth mode.
2. The LED indicator will flash indicating that it is searching for a nearby Bluetooth enabled device to connect to.
3. On your Bluetooth enabled device, search for nearby devices. When your device finds “CR7002” connect to this device. There should be no requirement for a PIN.
4. When the unit has connected to your Bluetooth enabled device successfully, your device will indicate that they are connected and the indicator light on the Bluetooth. The unit will stop flashing and continuously illuminate.

---

## Turntable Operation

---

1. Press the **Power Button** to turn on the power.
2. Press the **Function Button** to set the unit to Phono mode.
3. Set the **Speed Control Switch** to the desired speed (33 1/3, 45, or 78 RPM).
4. Place the record on the turntable. Use the **45 RPM Adapter** if necessary.
5. Remove the stylus protector from the stylus assembly.  
*Note: To avoid stylus damage, make certain the included stylus guard is in place whenever the turntable is being moved or cleaned.*
6. Use the **Cue Lever** to raise the **Tone Arm** off its rest. To start the record, move the **Tone Arm** to the right until you hear a “click”. The turntable will start to turn.
7. Move the **Tone Arm** left and use the **Cue Lever** to lower it to the point where you want the record to start.
8. At the end of the record, the **Tone Arm** will stop. You must return it to its rest by hand.

---

## CD Operation

---

### Playing a CD

1. Press the **Function** to set the unit to CD mode.
2. Press **CD Open / Close** to open the CD compartment
3. Insert a disc with the printed side facing up. Press **CD Open / Close** again to close the compartment, READ is displayed as the CD player scans the contents of a disc.



4. Track NO. 1 will be playback automatically after finish the reading CD disc contents.
5. Press **FF** or **FB** once or repeatedly until the desired track number appears in display.
6. Press **Stop/Band** to stop playback.



**Note:** Icon “ESP” will flash for 40 seconds then state still.

### CD-MP3 disc playback

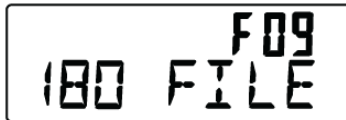
1. Insert CD-MP3 format disc. Press **CD Open / Close** again to close the compartment. READ is displayed as the CD player scans the contents of a disc.



2. Track no. 1 of root folder (Folder 1) will be playback automatically after finish reading CD-MP3 disc contents.



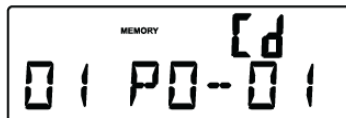
3. Press **FF** or **FB** once or repeatedly until the desired track number appears in display.
4. Press **PRESET +** or **PRESET -** to select desired album.
5. Press **Stop/Band** to stop playback



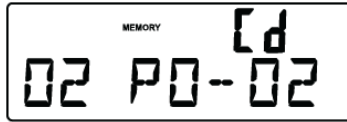
### Programming Tracks

You may store up to 20 tracks in the desired sequence.

1. In the stop position, press **Program** to start programming. Icon “MEMORY” and P0-01 will start flashing.



2. Press **FF** or **FB** once or repeatedly until the desired track number appears in the display. For MP3: press **PRESET +** or **PRESET -** to select the desired album.
3. Press **Program** to confirm, display shown stored track no. and next store position.



4. Repeat step 2-3 to select and store all desired tracks. FULL is displayed if you attempt to program more than 20 tracks.



5. Press **Play/Pause** to play the program.

### Erasing the Program

You can erase the contents of the memory by:

- once if in stop position, twice during playback
- Press **POWER**
- Select another sound source
- Open the CD door

## **Radio Operation**

### AM/FM Tuning

1. Press the **Function** Button to set the unit to TUNER mode.
2. Press the **STOP/Band** Button again to select between AM and FM.

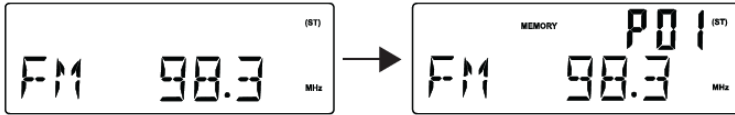


3. Auto Tuning – Press and hold **FF** or **FB** until stations begin to scan. The unit will automatically tune to the first available station with sufficient reception. If a station is received in stereo, (ST) will show on the display. Repeat step 3 if necessary until you find your desired station.
4. Manual Tuning – Press **FF** or **FB** briefly and repeatedly until found a station.

### Programming Radio Stations

You can store up to a total of 40 radio stations (20 FM and 20 AM) in the memory manually or automatically (Autostore)

1. Tune to your desired station.
2. Press **PROGRAM** to activate programming, icon “MEMORY” and P01 will start flashing.



3. Press **PRESET +** or **PRESET -** to allocate a number from 1 to 20 stations



4. Press **PROGRAM** to confirm, display shows the preset number waveband and the frequency of the preset station.
5. Repeat steps 1-4 to store other stations to listen to a preset station. Press **PRESET +** or **PRESET -** once or more until the desired preset station in displayed.

### To Listen to a Preset Station

Press **PRESET +** or **PRESET -** once or more until the desired preset station is displayed.

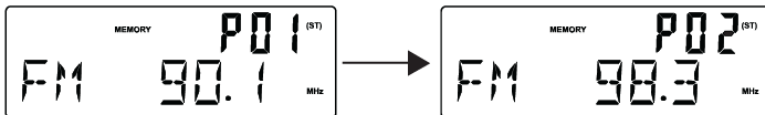
Automatic programming radio stations

Automatic programming will station preset 1, from this preset number upwards, former programmed tuner stations will be erased.

1. Press and hold **PROGRAM** button until Auto appears
  - Icon “memory” will start flashing



- Available stations are programmed.



- After all stations are stored, the last preset station will then be played.

Note:

- The unit is equipped with a FM wire antenna. To FM improve reception, move the wire around until the reception is clear without interferences. Do not connect the wire to any additional antenna.
- The AM antenna is built inside the unit. If AM reception is poor, try to rotate the unit for better reception. For AM reception, the unit is provided with a directional build-in ferrite antenna. Rotate the set to find the position in which the best reception is obtained. Do not connect the EXTERNAL FM ANTENNA to any outside antenna.

## Cassette Operation

---

1. Press the **Function** button to set the unit to PHONO mode.
2. While in Phono mode, insert a prerecorded tape through the CASSETTE DOOR.
3. Adjust the volume level by turning the **VOLUME DOWN/UP** KNOB.
4. For fast forwarding, press the EJECT/F.F. halfway in. Pressing again will stop the fast forwarding and return the cassette to the playing mode.
5. To stop and eject the cassette, press the EJECT/F.F. in completely.
6. When one side of the tape finishes playing, the cassette will automatically stop.

*Note:*

1. *Remove the tape from the unit when it is not in use or stopped.*
2. *Phono function is disabled while a cassette is in use.*

## Troubleshooting

---

### There is no power

- Make sure radio is plugged in correctly.
- Look at the STAND BY INDICATOR and check to see if it is red.
- If the red light is on, press the **POWER** button to turn the unit on.

### There is no sound

- Make sure the mute function is turned off.
- Check that the volume is turned up by pressing **VOLUME UP** button on the remote.  
*Note: Volume range on some units start at level 15 and ends at level 40.*
- Make sure INT./ EXT. switch on back of radio is switched to INT. (Unless you are using external speakers, in which case it should be on EXT. )
- Check to make sure power is turned on.

### CD does not play

- Check to make sure CD is inserted correctly (label side facing up).
- Check to see that surface of CD is clean.
- Make sure function switch is set to CD mode.

### Remote not working

- Replace battery.
- Be sure to point the remote towards remote sensor when operating.
- Remove obstacles in the path of the remote and radio so the remote signal has a straight path to the radio.

### Turntable will not work

- Check if the AC Power source is connected.
- Press the **POWER** button (on front of unit or on RC) to turn the unit on, the STAND BY INDICATOR light should be off.
- Check that the unit is in PHONO Mode. Try moving the Tone Arm to the right until a click is heard.

### No Sound is coming from the unit

- The white protective needle cover has not been removed
- The Volume is not turned up

### The Tone Arm will not move

- The black tie-wrap has not been removed from underneath Tone Arm.
- Tone Arm hold down clip has not been released



## FCC Statements

---

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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

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

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.