



MODEL: RCD822
PHONOGRAPH AVEC LE AM/FM RADIO
CASSETTE & CD PLAYER

IMPORTANT SAFETY INSTRUCTIONS FOR AUDIO PRODUCTS-READ CAREFULLY ALL THE FOLLOWING IMPORTANT SAFEGUARDS

When using electrical products , basic precautions should always be followed including:

1. **Read these Instructions**-All the safety and operating instructions should be read before the product is operated.
2. **Keep these Instructions**-The safety and operating instructions should be retained for future reference.
3. **Heed All Warnings**-All warnings on the product and in the operating instructions should be adhered to.
4. **Follow all Instructions**-All operating and use instructions should be followed.
5. Do not use this apparatus near water.
6. 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 wide blade or the third prong is provided for your safety . If the provided plug does not fit into your outlet consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs , convenience receptacles , and the point where they exit from the apparatus .
11. Only use attachments / accessories specified by the manufacturer .
12. Use only with a cart , stand , tripod , bracket , or table 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 when the 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. **Warning-** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
16. **Power Source-** 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.
17. **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.
18. **Overloading-** Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
19. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
20. **Caution-** 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.
21. **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.
22. **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.
23. **Wall or Ceiling Mounting-** The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

Precautions

Safety Information

This product has been designed and manufactured according to FDA regulations, title 21, CFR, Chapter 1, sub-chapter J, based on the Radiation Control for Health and Safety Act of 1968, and is classified as a class 1 laser product. There is hazardous invisible laser radiation during operation because invisible laser radiation emitted inside of this product is not completely confined to the protective housing.
The label required by these regulations is shown as following.

CERTIFICATION
THIS PRODUCT COMPLIES WITH DHHS
RULES 21 CFR SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE.

CAUTION

- DO NOT REMOVE THE PROTECTIVE HOUSING.
- USE OF CONTROLS AND ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
- IF THIS PRODUCT DEVELOPS TROUBLE, CONTACT A QUALIFIED SERVICE CENTER, AND DO NOT USE THE PRODUCT IN A DEFECTIVE STATE.

Optical Pickup
Type : SOH-AA
Manufacturer : DONGGUAN SAMSUNG ELECTRO-MECHANICS LTD.
Laser Output : Less than 0.4mW on the object lens
Wavelength : 760~800nm

Safety Precautions

WARNING:

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION:

Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposures.

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

To reduce the risk of electric shock: do not remove cover (or back).
No user serviceable parts inside. Refer servicing to qualified service personnel.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



CAUTION

For Compact Disc Units Only:
INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED, AVOID DIRECT EXPOSURE TO LASER BEAM.

(See markings on the bottom of the unit.)

CAUTION:

To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Before Use

- Choose unit installation location carefully . Avoid placing it in direct sunlight or close to a source of heat . Also avoid locations subject to vibrations and excessive dust , cold or moisture . Keep away from sources that hum , such as transformers or motors .
- Do not open the cabinet as this might result in damage to the circuitry or electrical shock . If a foreign object should get into the set , contact your dealer .
- Be sure not to handle discs with dirty fingers . Never insert a disc that has a crack on the surface .
- When removing the power plug from the wall outlet , always pull directly on the plug , never yank the cord .
- To keep the laser pickup clean , do not touch it , and do not forget to close the disc tray .
- Do not attempt to clean the unit with chemical solvents as this might damage the finish . Use a clean , dry cloth .
- Keep this manual in a safe place for future reference .

Beware of Condensation

When the player (or a compact disc) is moved from a cold to a warm place or is used after a sudden temperature change , there is the danger of condensation . Water vapor in the air could condense on the mechanism or the laser pickup . If droplets of water form on these parts , correct playback will be impossible because the laser cannot read the information from the disc correctly . To prevent this , if you are going to use the player in a condition where condensation could occur , you should leave the player for 1 or 2 hours after plugging it into an AC outlet depending on the amount of condensation . If this is done , the player will stabilize at the temperature of its surroundings .

For U.S.A.

TO THE USER

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 interference in a residential area . This device generates and uses radio frequency energy and if not installed and used in accordance with the instructions , it may cause interference to radio or TV reception . If this unit does cause interference with TV or radio reception you can try to correct the interference by one or more of the following measures :

A) Reorient or relocate the receiving antenna .

B) Increase the separation between the equipment and receiver .

C) Plug the equipment into a different outlet so that it is not on the same circuit as the receiver .

If necessary , consult the dealer or an experienced radio / TV technician for additional suggestions .

CAUTION:

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

Listening to a Tape or Compact Disc

■Cassette Tape

Tape Handling :

Do not store tapes in the following places :

- On top of heaters , exposed to direct sunlight or in any other places with high temperatures .
- Near speakers , on TV sets or amplifiers or where they would be exposed to strong magnetic fields .
- Where humidity is high and in dirty , dusty places .
- Avoid dropping or subjecting cassettes to excessive shocks .
- As C-120 tapes are physically weak and could become entangled in the transport mechanism , do not use them .

Loading a Cassette Tape :

1. Use your finger or a pencil to turn the cassette hub and take up any slack tape .
Note : Avoid touching the tape. Fingerprints attract dust and dirt .
2. Insert the cassette tape with correct direction .

HANDLE DISC ONLY AS SHOWN


Fingermarks and dust should be carefully wiped the disc recorded surface with a soft cloth (not included) .

CLEAN FROM CENTER TO EDGE

Never use chemicals such as : record sprays, sprays or fluid , benzine or thinner to plastic surface .
Such chemicals will do
Discs should be returned to their cases after use
serious scratches that could cause the laser pickup to

■Compact Disc

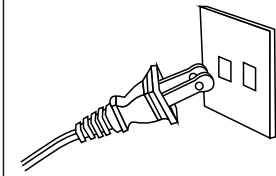
Handling the Discs :

This unit has been designed specifically for sound reproduction from compact discs bearing the  mark .
No other discs can be used .

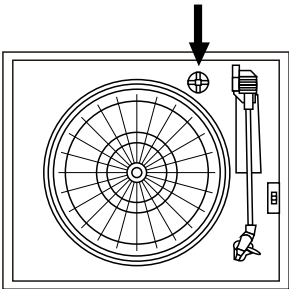
- Always place the compact disc in the disc tray with the label facing upward . (Compact discs can be played only on one side) .
- To remove a disc from its storage case , press down on the center of the case and lift the disc out , holding it carefully by the edge .

Preparation of Use

■Connect the ACpower cord .

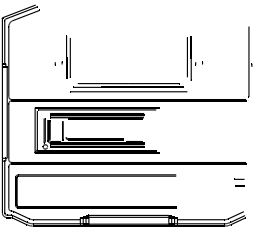


■Loosen the screw used for transportation by turning it clockwise with a coin .



Basic Operation

①Power on .
Connect the powerplug into the wall outlet .



②Select the source .



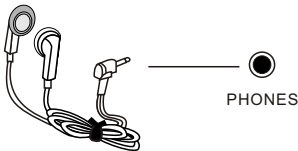
PHONO CD TUNER

③Power / Volume
Adjust the volume.



VOLUME

(A)Listening through Earphones / Headphones .



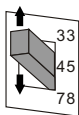
The sound from all speakers is cut off .

Listening to a Record

① Rotate the PHONO CDTUNER knob to select PHONO .



② Select player speed .



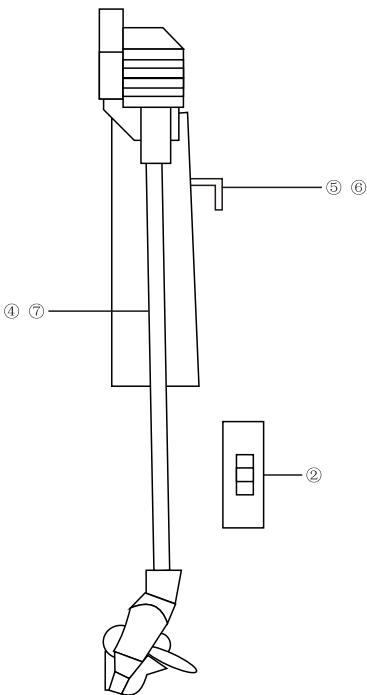
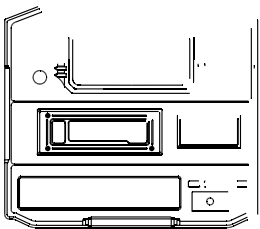
③ Put a record onto the turntable .
(Use 45 rpm adaptor when playing single Record .)

④ Remove the tonearm-rest holder .

⑤ Lift the Que-lever and move the tone arm gently to the desired position over the record.

⑥ Lower the Que-levers slowly .

⑦ The tone arm will return to the tonearm-rest automatically after reaching the end of the record .



Listening to CD

- ① Rotate the PHONOCD TUNER knob to select CD.



PHONO CD TUNER

- ② Open the tray, and place the CD on the tray.

▲ OPEN / CLOSE



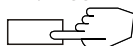
- ③ Close the tray and start playing the CD.

▲ OPEN / CLOSE



Lights

▶ PLAY / PAUSE



The CD will start playing from the first track.

- (A) Stopping the CD play.

STOP

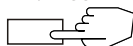


- (B) Pausing the CD play.

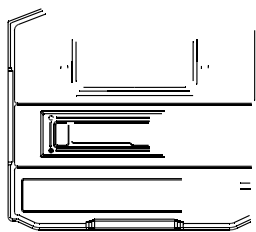


Flash

▶ PLAY / PAUSE



Pressing the PLAY / PAUSE button will restart playing the CD.



CD's should be placed in their trays with the label side up.

- (C) Press the F.F button once to go to the start of the next track.



F.R



F.F



F.R



F.F

Press the F.R button once to go back to the start of the current track. Press the F.R button twice to go back to the start of the previous track.

- (D) Fast Reverse (FR) and Fast Forward (FF)

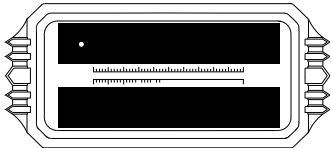
You can reverse or forward to any point in a selected track by pushing and holding the FR or FF button.

NOTE : Do not push both buttons together as this may damage the unit.

As the unit is tracking quickly, forward or backward you will hear your selection playing at a distorted speed. Simply release the depressed button to continue playing at normal speed at the desired position in the selected track.

Do not switch off the unit during CD-function, because it will damage the unit.

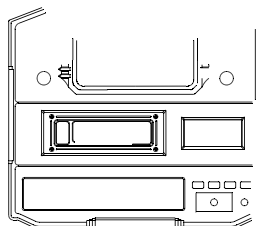
Listening to Radio



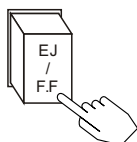
Listening to a Tape

①Insert the cassette when power on , the unit will convert to TAPE automatically from PHONO or CD OR TUNER ,and start playing .

At the end of the cassettetape , the cassette will stop automatically .

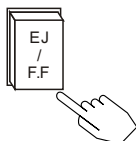


②Fast forward .



Press the EJ/ F.F button approximately a half .

③Stopping or get out the cassette .



Press the EJ/ F.F button into the end throughly .

Specifications

AMPLIFIER section

Output Power	2.5W + 2.5W (U.S.A. / Canada)
Frequency Response	60 to 20,000Hz

TUNER section

FM Section

Frequency Range	87.5 to 108.5MHz
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AM Section

Frequency Range	525 to 1710KHz (U.S.A. / Canada)
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CD PLAYER section

Frequency Response	60 to 20,000Hz +/- 4dB
Signal - to -Noise ratio	55dB (1EC -A)

CASSETTE DECK section

Track System	4 track , 2 channel stereo
Tape Speed	4.8cm/sec
Wow and Flutter	0.4% (WRMS)
Frequency Response	125 to 6,300Hz +/- 6dB

PHONO section

Motor	DC servo motor
Drive System	Belt Drive
Speeds	33 - 1/3rpm , 45rpm and 78rpm
Wow & Flutter	0.4% (WRMS)
Stylus	402 - M208 - 165
Output Level	160 ~ 380mV (5cm/sec at 1kHz)

SPEAKER SYSTEM section

Type	1- way
Impedance	8ohms
Input Power	Max. 5W

GENERAL

Power Requirements	120V AC, 60Hz (U.S.A. / Canada)
Power Consumption	19W
Dimension (W x H x D)	22" x 11.8" x 13.97" (approx.)
Weight	35.27lbs. (Approx.)
Standard Accessories	Operating Instruction Booklet
	Warranty Card
	45 rpm Adaptor

Troubleshooting guide

In case of trouble with the unit , please look through this chart and see if you can solve the problem by yourself before calling your dealer .

	Problem	Cause	Solution
The whole unit	Power does not come on when the power switch is pressed	Unit is unplugged	Connect the unit to the AC power supply
	No sound comes out of the speakers	The volume is turned down (to MIN) The input selector does not match the playback source	Adjust the volume Re-select the input source
	The sound is noisy	The unit is too close to a TV set or another similar appliance	Turn off the TV or other appliance ,and relocate the unit
Tape deck	The cassette cannot be inserted	The cassette tape is not inserted properly or is inserted reversely .	Insert the cassette tape correctly
	No sound from tape	The tape heads are dirty	Clean the tape heads
	The sound is distorted or faint	The tape heads are dirty	Clean the tape heads
Tuner unit	Can not listen to any station , or signal appears weak	The station is not tuned in properly A TV set is being used nearby	Tune in the station correctly Turn off the TV set
	The sound is distorted	The antenna is not oriented properly	Re-orient the antenna until reception improves
CD Player	Play stop immediately after starting to play the CD , or play pauses or stops during play	The CD is inserted upside down The CD is dusty or dirty , or there is condensation on the CD	Insert the CD with the printed side upper most Clean and dry the CD
	No sound	The CD player is paused	Press the PLAY / PAUSE button
	Specific CD is noisy , or playback stops or skips	The CD is scratched , damaged or warped The disc is very dirty	The CD should be changed Clean the CD