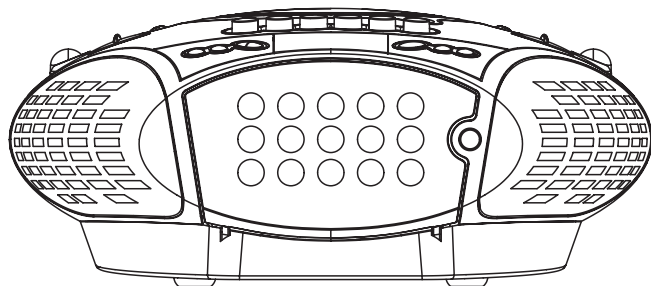


# Goodmans

## STEREO RADIO CASSETTE RECORDER COMPACT DISC PLAYER GPS158RR/GPS158RS

### Instruction Manual



### SPECIFICATIONS

Programme Play .....	Up to 20 tracks
Earphone output .....	20mW x 2 (32 $\Omega$ )
Power requirement .....	AC 230V/50Hz
Dimension .....	Approx. 319(L) X 261.7(W) X 123.3(H) mm
Weight .....	Approx. 2.244Kg (not including batteries)

For improvement purposes, specification and design are subject to change without notice.

### IMPORTANT SAFEGUARDS

#### PRE FITTED MAINS PLUGS

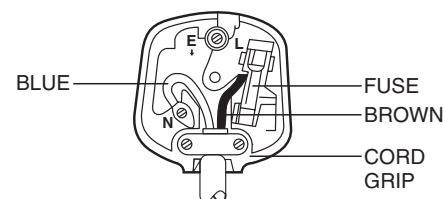
For your convenience a mains plug has been fitted to this appliance. For your safety please observe the following information.

1. Should the fuse in the plug remove the plug from the wall socket and replace the fuse with a 3 Amp ASTA approved to BS 1362 fuse.
2. Never use the plug without the fuse cover fitted. Replacement fuse covers are available from your dealer or most electrical retail outlets.
3. If the mains plug is cut off the cable, rewire the replacement plug in accordance with instruction given in this manual.
4. CAUTION: Under no circumstances should the discarded plug be inserted mains socket. To prevent a shock hazard carefully dispose of the discarded plug. Do not leave the plug lying around where children might see it.

**WARNING:** To prevent fire or shock hazard do not expose this unit to rain or moisture.

**CAUTION:** DANGEROUS VOLTAGES EXIST INSIDE THIS UNIT, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DISCONNECT FROM MAINS SUPPLY WHEN NOT IN USE.

#### PLUG WIRING DETAILS



The wires in this mains lead are coloured in accordance with the following wiring codes:

Blue..... Neutral  
Brown..... Live

The wires in this mains lead must be connected to the terminals in the plugs as follows:

Blue Wire..... N or Black  
Brown Wire..... L or Red

Only a 3 Amp fuse should be fitted in the plug or a 5 Amp fuse at the distribution board.

**WARNING:** UNDER NO CIRCUMSTANCES MUST THE LIVE OR NEUTRAL WIRES BE CONNECTED TO THE EARTH TERMINAL IN A 3-PIN MAINS PLUG.



This symbol means that this unit is double insulated.  
An earth connection is not required.

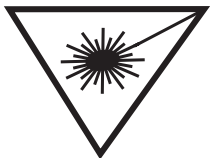
## CAUTION

### CLASS 1 LASER PRODUCT

Use of Controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### LASER SAFETY

This unit employs a laser, only qualified service personnel should attempt repair.



**DANGER:** INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.

**CAUTION:** HAZARDOUS LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED.

### CAUTION

**CLEANING:** Always disconnect unit from mains supply before attempting to clean it. Use soft cloth moistened with soapy water, wipe gently. Do not use solvents or abrasive materials.

### SOME DO'S AND DONT'S ON THE SAFE USE OF EQUIPMENT

This equipment has been designed and manufactured to meet European safety standards but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

Do read the operating instructions before you attempt to use the equipment.

Do ensure that all electrical connections (Including the mains plug, extension leads and interconnections between pieces of equipment) are properly made in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections.

Do consult your dealer if you are ever in doubt of the installation, operating, or safety of your equipment.

Don't continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way - switch off, withdraw the mains plug and consult your dealer.

Don't remove any fixed covers as this may expose dangerous voltages.

Don't leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure that your family knows how to do this. Special arrangements may need to be made for infirm or handicapped people.

Don't listen to headphones at high volume, as such use can permanently damage your hearing.

Don't obstruct the ventilation of the equipment, for example with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.

Don't allow electrical equipment to be exposed to rain or moisture.

#### Above all

- Never let anyone, especially children, push anything into holes, slots or any other opening as this could result in a fatal electric shock.
- Never guess or take chances with electrical equipment of any kind.
- It is better to be safe than sorry!

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE, DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE, DO NOT OPEN THE CABINET, REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

## IMPORTANT NOTES

Your hearing is very important to you and to us so please take care when operating this equipment. The following guidelines are provided for your information.

### ESTABLISH A SAFE SOUND LEVEL

- Over time your hearing will adapt to continuous loud sounds and will give the impression that the volume has in fact been reduced. What seems normal to you may in fact be harmful. To guard against this **BEFORE YOUR HEARING ADAPTS** set the volume at a low level.
- Slowly increase the level until you can hear comfortably and clearly and without distortion.
- Damage to your hearing is accumulative and is irreversible.
- Any ringing or discomfort in the ears indicates that the volume is too loud.
- Remember listening for prolonged period of time at high volume levels will harm your hearing.

**Once you have established a comfortable listening level, DO NOT INCREASE THE SOUND LEVEL FURTHER.**

The following list of typical sound levels may assist you in recognizing just how loud you have set the volume level.

### DECIBEL

Level dB	Example
30dB	Quiet library, soft whisper.
40	Living room, fridge freezer bedroom away from traffic.
50	Normal conversation, quiet office, light traffic.
60	Electric sewing machine.
70	Vacuum cleaner, hair dryer, noisy restaurant.

### THE FOLLOWING NOISE CAN BE HARMFUL UNDER CONSTANT EXPOSURE

80dB	Average city traffic, alarm clock buzzer at 1 Metre, food mixer.
90	Motorcycle, heavy goods vehicle, petrol lawn mower.
100	Pneumatic drill, chain saw, garbage truck, discotec/night-club.
120	Rock band concert, thunderclap, fast train passing by.
140	<b>THRESHOLD OF PAIN</b> Gunshot, jet plane taking off.
180	Rocket Launching pad.

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### Player Operation

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## WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

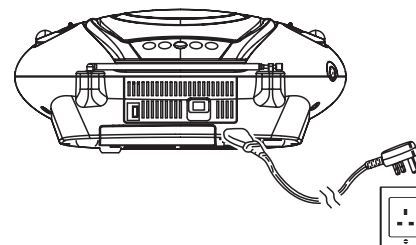
## SAFETY PRECAUTIONS

1. As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the casing.
2. Stop operation immediately if any liquid or solid object should fall into the cabinet. Unplug the unit and have it checked by qualified personnel.
3. Do not touch the lens or poke at it. If you do, you may damage the lens and the player may not operate properly.
4. Do not put anything in the safety slot. If you do, the laser diode will be ON when the lid is still opened.
5. This unit employs a laser. The use of controls or adjustments or performance of procedures other than those specified herein may result in exposure to hazardous radiation.

## 1. POWER SOURCES

### AC MAINS OPERATION

1. Remove the AC cord which is packed inside the box.
2. Connect the cord to the AC input socket.
3. Connect the 3 pin mains plug to an AC mains socket.



### BATTERY OPERATION

1. Insert 8 LR14 (C Size) batteries (not supplied) into the battery compartment observing the correct polarity as indicated.
2. Ensure compartment cover is securely fitted.
3. Product will only function from batteries once AC cord is removed from the unit.
4. When replacing flat batteries, ensure all batteries are replaced at the same time with the same type.
5. If the product is not to be used for an extended period of time the batteries should be removed to prevent any possible damage to the product.

## 2. PLAYER MAINTENANCE

### CASSETTE DECK MAINTENANCE

When the heads, capstan and pinch roller become dirty, this may result in muffled, distorted or reduced sound during play back and may even result in tape jams.

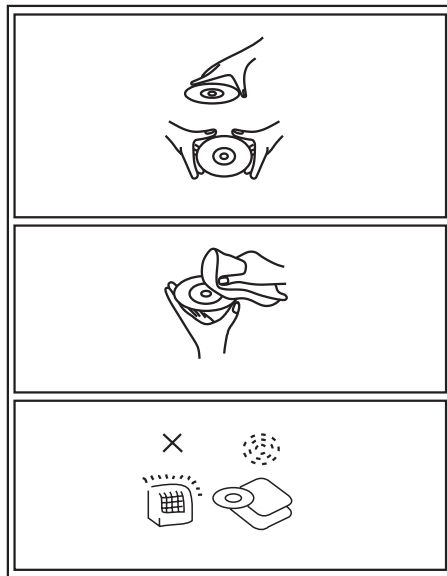
Clean the tape head with a head cleaning tape.

### CLEANING THE LENS

If the lens in the CD pick-up is dirty, dusty, etc, it could degrade the sound or prevent disc play. Open the disc holder and clean the lens as shown.

- Use a blower (available from camera stores) to blow dust off the lens.
- If there are fingerprints, etc., on the lens, gently wipe clean with a cotton swab.

### 3. DISC CLEANING, POWER FAILURE



#### Cleaning the Disc

1. To handle a disc use only one of the two manners illustrated.

**NOTE:** Do not touch the rainbow-colored side.

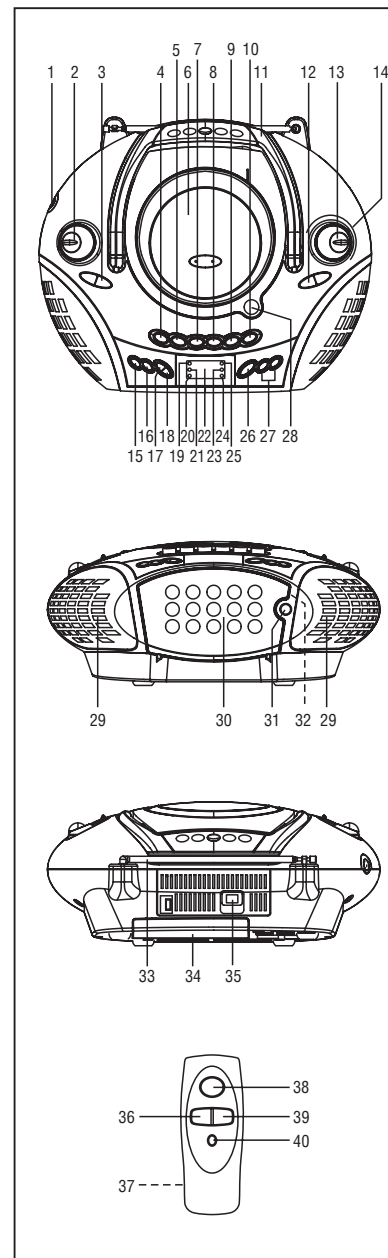
2. To wipe a disc, use only a soft cloth. Do not use benzene or thinner which will damage the disc. The disc should always be wiped in a straight line from the center to the edge. It should never be wiped in a circular motion.

3. Never place the disc on other equipment or near any heat source. Avoid positions where the disc would be subjected to direct sunlight for long periods.

#### Maintenance and care

1. Electronic products should never be subjected to extreme temperatures nor high humidity to ensure good performance and a long life-time. The player should not be placed in bathing areas, or around stoves and radiators, etc. Always leave sufficient space around the unit for ventilation.
2. If necessary, only clean the cabinet of the unit with a soft dampened piece of cloth. (be sure the AC power cord is unplugged from the outlet) Never use a polish or a strong detergent for cleaning since this can damage the finish of the cabinet.

### 4. LOCATION OF CONTROLS



1. PHONES JACK
2. VOLUME CONTROL
3. FUNCTION SWITCH
4. PAUSE BUTTON
5. STOP/EJECT BUTTON
6. CD DOOR
7. FAST FORWARD BUTTON
8. REWIND BUTTON
9. PLAY BUTTON
10. RECORD BUTTON
11. FOLDING HANDLE
12. BAND SWITCH
13. TUNING CONTROL
14. DIAL SCALE
15. CD PROGRAM BUTTON
16. CD REPEAT BUTTON
17. RANDOM BUTTON
18. CD STOP BUTTON
19. POWER INDICATOR
20. FM STEREO INDICATOR
21. RANDOM INDICATOR
22. CD LED DISPLAY
23. CD PROGRAM INDICATOR
24. CD REPEAT INDICATOR
25. CD PLAY/PAUSE INDICATOR
26. CD PLAY/PAUSE BUTTON
27. CD SKIP/SEARCH BUTTONS
28. CD DOOR OPEN AREA
29. BUILT-IN SPEAKERS
30. CASSETTE DECK
31. REMOTE SENSOR
32. BUILT-IN CONDENSER MICROPHONE
33. TELESCOPIC AERIAL
34. BATTERY COMPARTMENT COVER
35. AC SOCKET

#### REMOTE CONTROL

36. CD BACKWARD SKIP/SEARCH BUTTON
37. BATTERY COMPARTMENT
38. CD PLAY PAUSE BUTTON
39. CD FORWARD SKIP/SEARCH BUTTON
40. CD STOP BUTTON

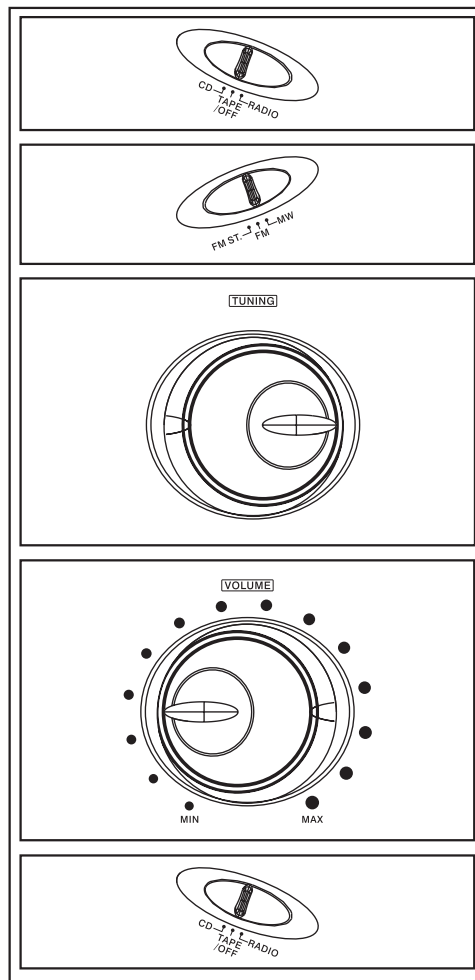
## 5. RADIO OPERATION

### TO PLAY THE RADIO

1. Slide the FUNCTION Switch to RADIO position.
2. Select required wave band with BAND Switch.
3. Tune to required station by rotating the TUNING Control.
4. Adjust this control back and forth slowly until you get the strongest, clearest sound.
5. The built-in MW aerial and the FM rod aerial are directional. When receiving FM broadcast, extend the FM TELESCOPIC AERIAL to its full length. The strongest reception can be achieved by rotating the set for MW or rotating the TELESCOPIC AERIAL for FM.
6. Adjust the VOLUME Control to your listening taste.
7. To turn off the radio, slide the FUNCTION Switch to TAPE (POWER OFF) position.

**NOTE:** FM Stereo is weaker than FM (mono). If your FM Stereo station is weak or you hear too much noise or hissing, move the BAND switch to the FM position.

**NOTE:** FM Stereo Indicator illuminates to show that you are listening to FM stereo station.



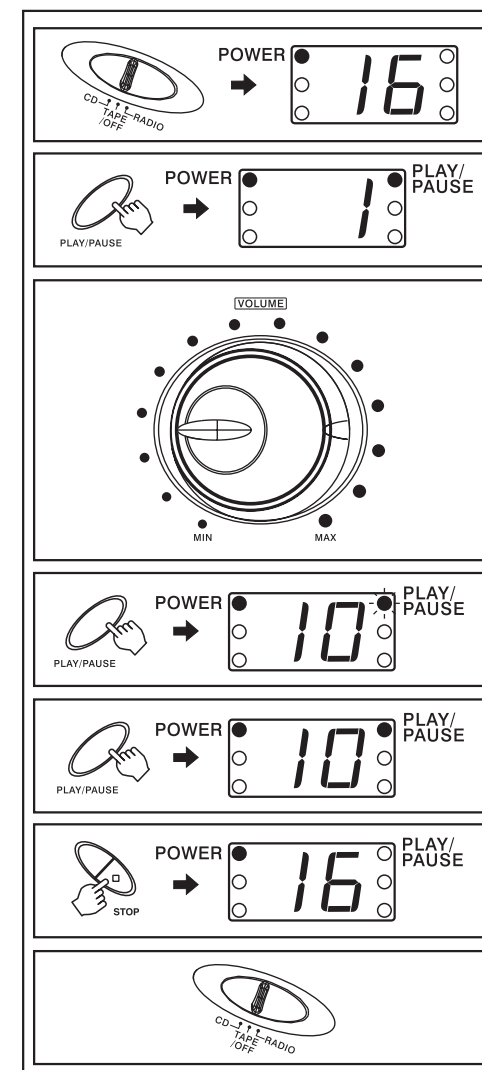
## 6. LISTENING TO A COMPACT DISC

### PLAYING A COMPACT DISC

This set is designed to play only compact discs bearing this  identification logo (logo must say DIGITAL AUDIO).

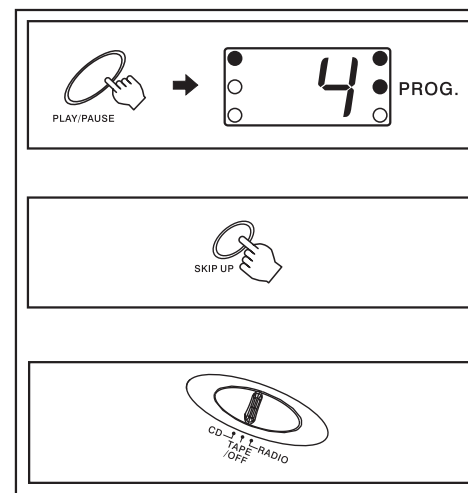
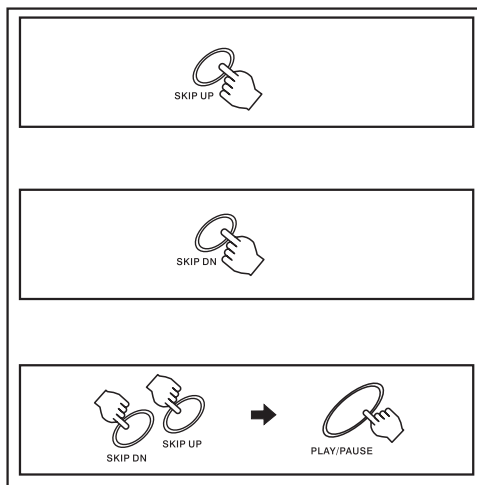
1. Set the FUNCTION Switch to CD position. If a disc is in the compartment, the Display will then show the total number of tracks on the compact disc.
2. Press the CD PLAY/PAUSE Button to start playback, and PLAY/PAUSE indicator will be on steady, playback will commence with the first track.
3. Adjust the VOLUME Control to the desired volume level.
4. To pause playback, press the CD PLAY/PAUSE Button, and PLAY/PAUSE indicator will flash. To resume playback, press the CD PLAY/PAUSE Button again, and the lamp will change to steady on.
5. To stop the disc, press the CD STOP Button, and PLAY/PAUSE indicator will go off.
6. To turn off the CD, slide the FUNCTION Switch to TAPE (POWER OFF) position.

**NOTE:** Never press the CD Door down during play, this may cause malfunction or damage the disc. Always stop the CD player by using the CD STOP Button before you take the disc out of the compartment. If you hit or move the CD during play, the music will stop for a second or two and then start again. This is normal operation for portable CD players.



## SKIPPING TRACKS (SEARCH)

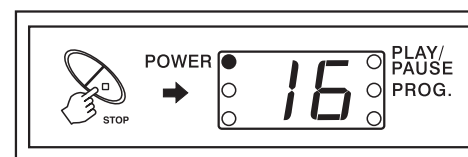
1. This function enables you to find the beginning of any desired track during play. Press the SKIP UP button to select the next track, press again repeatedly to select subsequent tracks. The Display will show the track number.
2. Press the SKIP DN button twice rapidly to select the previous track. Repeated presses of SKIP DN will select other tracks
3. When the unit is in the pause mode, it is also possible to select the beginning of a certain track by using the SKIP UP button and SKIP DN button to reach the desired track. After selection, press CD Play/Pause button.
4. Press and hold the SKIP UP button to search forward at a high speed for a particular section of a song. Press and hold the SKIP DN button to search backward. Release the button to resume normal playback when the section is found.



6. When you finished programming, press PLAY/PAUSE Button.
  7. The Display will show the track number being played, and the PROG indicator will remain steadily on during program play.
  8. All songs will play in the order you programmed.
  9. If in middle of play you want to hear the next programmed song, press SKIP UP button.
  10. When all the songs have finished, the set will stop. The PROGRAM indicator will remain on. To see the programme sequence, press PROGRAM Button once in CD stop mode.
  11. To turn off the power, remember to slide the FUNCTION Switch to TAPE (POWER OFF) position.
- NOTE:** Programming can only be done when the CD is stopped.

### TO CLEAR THE CD MEMORY

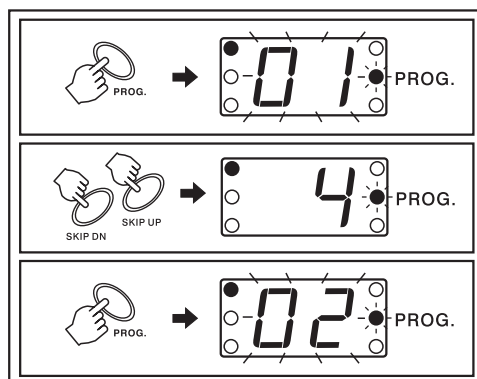
Press CD STOP Button twice. The PROG indicator will turn off and the Display will show the number of tracks on the display.



## 7. PROGRAM PLAY OPERATION

### PROGRAMMED (MEMORY) PLAYBACK (up to 20 tracks can be programmed)

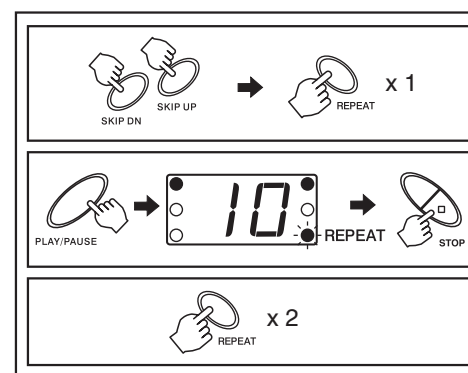
1. Press PROGRAM Button during stop mode.
2. "01" will flash in display and the PROG indicator will flash.
3. Press the SKIP UP or SKIP DN Buttons until the desired track shows on the Display. The PROG indicator will flash.
4. Press PROGRAM Button. "02" will flash in the display and the PROG indicator will flash.
5. Repeat steps 3 and 4 until all the desired tracks are programmed.



## 8. REPEAT PLAY OPERATION

### REPEAT PLAY SINGLE SONG

1. When the CD is stopped, press the SKIP UP/DN Buttons to select the song you like.
2. Press the REPEAT Button. The REPEAT indicator will flash in the display.
3. Press PLAY Button. The song selected will play over and over until the STOP Button is pressed.
4. To cancel the Repeat Function, press REPEAT Button twice and the REPEAT indicator will turn off.

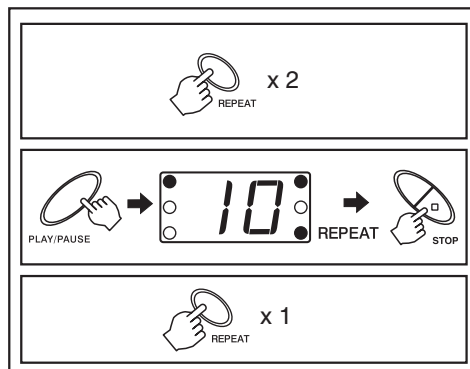




## REPEAT PLAY ALL SONGS

To repeat ALL SONGS on a disc and play them again and again.

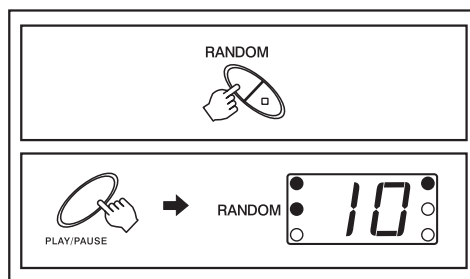
1. Press REPEAT Button twice.
2. The REPEAT indicator will be on steady (not flashing).
3. Press PLAY Button.  
All the songs on the CD will play in order and then start all over again.
4. To end the Repeat Function, press REPEAT Button once.
5. To stop play, press STOP Button.



## 9. RANDOM PLAY OPERATION

Press the Random button once, the unit will playback the disc in a random order. After all the tracks are played the unit will stop automatically.

In CD stop mode, you have to press the play/pause button after pressing the random button to begin random playback. Press the Random button again to cancel this play model.



## 10. CASSETTES

### CASSETTE TAPE SELECTION

The quality and condition of the cassette tapes you use will have a direct effect on the performance of the cassette tape player. Low quality tapes tend to break and stretch and a broken tape can easily become entangle in the drive mechanism, causing major damage. Stretched tapes will run at uneven speeds and will distort anything recorded on them.

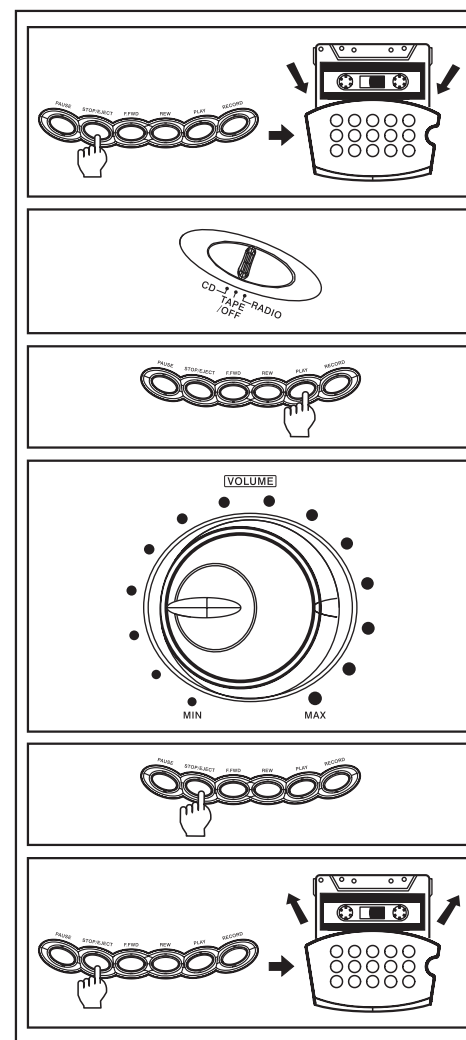
- Use only well-known brands of tapes.
- Use of C-120 (120 minutes) cassette is not recommended. The extreme thinness of this tape may result in breakage or other failures.
- This set is not designed for CrO<sub>2</sub>, Fe-Cr or METAL tape use. Therefore, be sure to use named brand normal cassette tapes.

### TO PLAY A CASSETTE TAPE

1. Open the Cassette Door by pressing the Cassette STOP/EJECT Button (in some cases, you may have to press the Cassette STOP/EJECT Button twice since this button has combined functions of stop and eject.)
2. Insert the cassette, with the exposed tape facing upwards, into the tracks in the Cassette Door - the full reel or spool should be on the right side.
3. Close the Cassette Door.
4. Check the position of the FUNCTION Switch to make sure it is in the TAPE position.
5. Press the Cassette PLAY Button.
6. Adjust the VOLUME Control to your listening taste.
7. To stop the tape manually, press the Cassette STOP/EJECT Button.
8. To remove the cassette, press the Cassette STOP/EJECT Button again and the Cassette Door will open.

Unload the cassette tape, flip it and return to cassette compartment if you want to play the other side of the cassette tape.

**NOTE:** If the PLAY Button pops up, the tape has reached the end. Remove the tape, flip it to the other side and re-insert and press PLAY Button.



### AUTOMATIC LEVEL CONTROL (ALC)

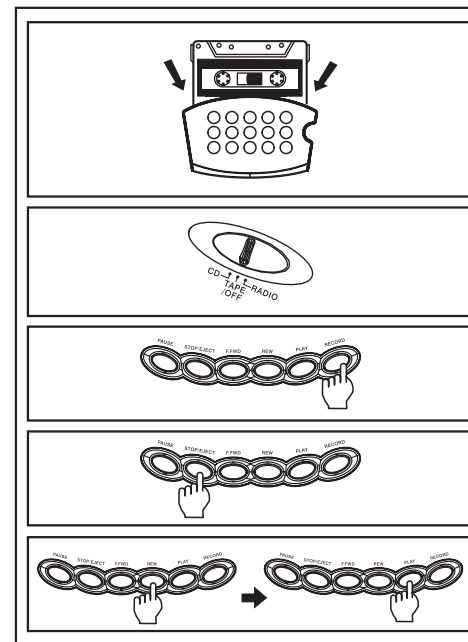
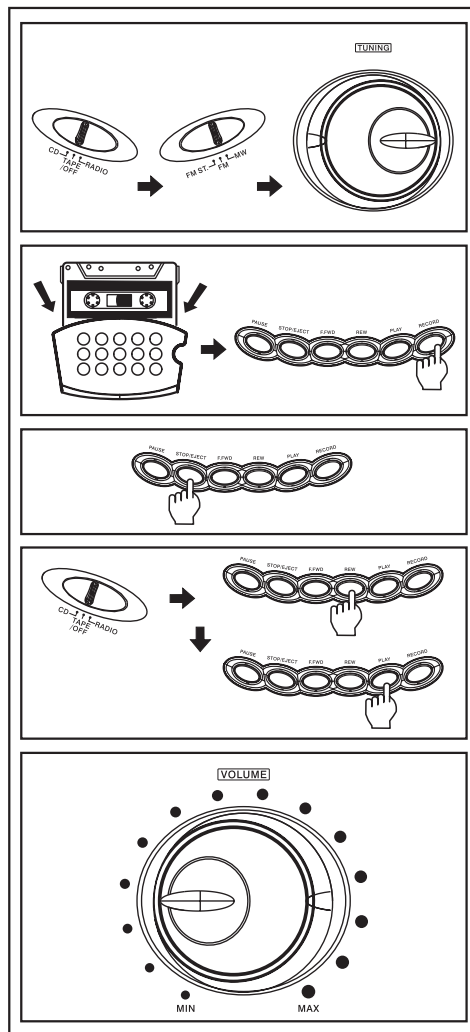
This product utilizes the latest Automatic Level Control circuitry, therefore, it is not necessary to adjust the Volume Control when recording. This circuit automatically records at the correct level and prevents over loading.

**NOTE:** While recording you may adjust the Volume Control as desired without affecting the recording operation.

## 11. RECORDING FROM RADIO/MICROPHONE/CD

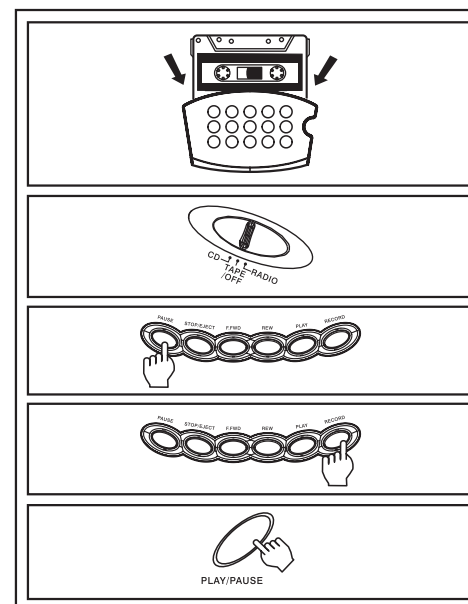
### RECORDING FROM RADIO

1. Follow the instructions TO PLAY THE RADIO (slide the FUNCTION Switch to RADIO position.)
2. Load the cassette tape into the Cassette Door (full reel on the right side).
3. Tune into the station you want to record, press the Cassette RECORD Button and Cassette PLAY Button both at the same time. Both buttons should remain when released.
4. The recording process will automatically stop at the end of the tape.
5. To stop the recording manually, press the Cassette STOP/EJECT Button.
6. When you want to play the cassette tape after recording, slide the FUNCTION switch to TAPE position, press Cassette REWIND Button, then press the Cassette PLAY Button. Adjust the VOLUME Control to your taste.



### RECORDING FROM THE BUILT-IN MICROPHONE

1. Load the cassette tape into the Cassette Door (full reel or spool on right side).
2. Check the position of the FUNCTION Switch to make sure it is in the TAPE position.
3. Press the Cassette RECORD Button and Cassette PLAY Button at the same time. Both buttons should remain in their down positions when released.
4. When you talk in front of the set, your voice will be recorded. The recording process will automatically stop at the end of the tape and shut itself off.
5. To stop the recording manually, press the Cassette STOP/EJECT Button.
6. To hear what you recorded, press the Cassette REWIND Button then press the Cassette PLAY Button.

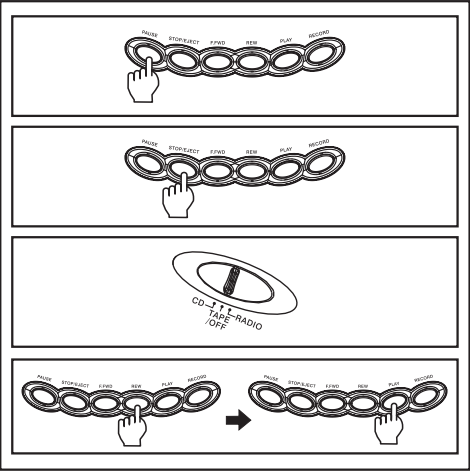


### RECORDING FROM A CD

1. Load the cassette tape into the Cassette Door (full reel on the right).
2. Load the compact disc and close the CD Door.
3. Set the FUNCTION Switch to CD position.
4. Press the Cassette PAUSE Button for the cassette.
5. Press the Cassette RECORD and PLAY Buttons for record stand-by.  
**NOTE:** When pressing the Cassette RECORD Button, the Cassette PLAY Button will automatically go down. (If the buttons do not go down, reverse the tape or check record prevention tab.)
6. Start the CD playing by pressing the CD PLAY/PAUSE Button.



- Press the Cassette PAUSE Button when you wish to start recording.
- Press the Cassette STOP/EJECT Button to stop the recording.
- To hear what you recorded, slide the FUNCTION switch to TAPE position, press REWIND Button and PLAY Button.



## 12. REMOTE CONTROL

### REMOTE OPERATION

By using the remote controller, you can operate the system in almost the same way as with the controls of the main unit.

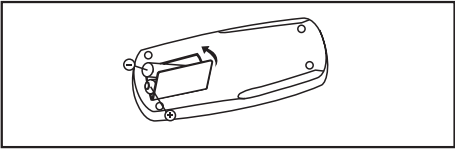
#### REMOTE CONTROL RANGE

Use the remote control within an angle of 30° at the left and right horizontally and over distances up to about 3 meters.

### INSERTING BATTERIES

- Open the battery compartment cover.
- Install 2pcs UM-4 (size AAA) batteries into the battery Compartment matching the polarity as shown in the battery compartment.
- Close the battery compartment lid.

**NOTE:** Always remove batteries if the remote controller is not going to be used for a month or more. Batteries left in the unit may leak and cause damage.



## 13. PRODUCT SPECIFICATIONS

### PICK-UP

System	Compact disc digital audio system
Laser diode	material: GaAlAs
Properties	Wavelength: $\lambda = 780\text{nm}$ Emission Duration: continuous Laser output: $<44.6\mu\text{W}$
Error correction	Cross-interleave Reed-solomon code

### AUDIO

D/A conversion	1-bit DAC 8 times oversampling
Frequency response	20-20,000Hz (+1/-3 dB)
Wow and flutter	Below measurable limits
No. of channels	2 channels (stereo)
Output level	Earphone: 20mW (32 $\Omega$ )
Speakers Impedance	8 $\Omega$ 3W*2

### RADIO

Receiving bands	MW/FM
Frequency range	MW 522-1620 KHz FM 87.5 -108.0 MHz

### GENERAL

Power requirements	AC 230V/50Hz DC 8* "C" size (or equivalents) batteries
Power consumption	13W
Dimension	Approx. 319(L) X 261.7(W) X 123.3(H) mm
Net Weight	Approx. 2.244Kg (not including batteries)