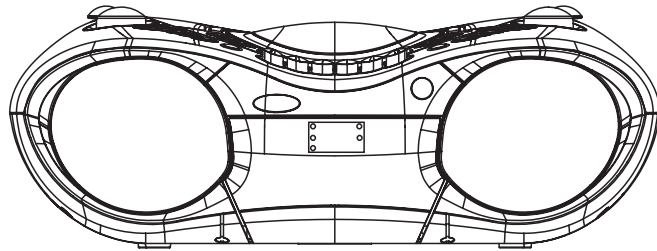


Goodmans

STEREO RADIO CASSETTE RECORDER COMPACT DISC PLAYER GPS160R

Instruction Manual



SPECIFICATIONS

Programme Play	Up to 20 tracks
Earphone output	20mW x 2 (32 Ω)
Power requirement	AC 230V/50Hz
Dimension	Approx. 446.5(L) X 240.5(W) X 163.0(H) mm
Weight	Approx. 3.192Kg (not including batteries)

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

IMPORTANT SAFEGUARDS

PRE FITTED MAINS PLUGS

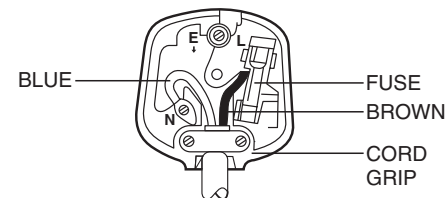
For your convenience a mains plug has been fitted to this appliance. For your safety please observe the following information.

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.

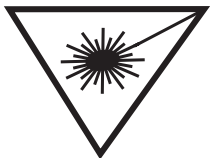
CAUTION

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	THRESHOLD OF PAIN Gunshot, jet plane taking off.
180	Rocket Launching pad.

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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.

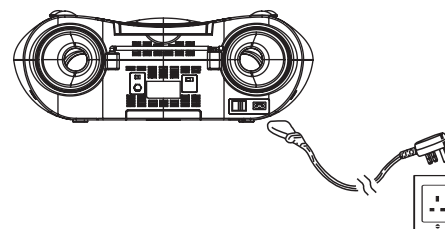
SAFETY PRECAUTIONS

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

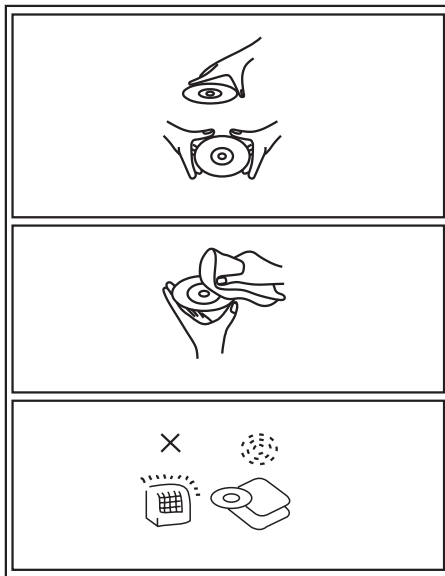
When the heads, capstan and pinch roller become dirty, this may result in muffled, distorted or reduced sound during play back and may even result in tape jams. Clean the tape head with a head cleaning tape.

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.

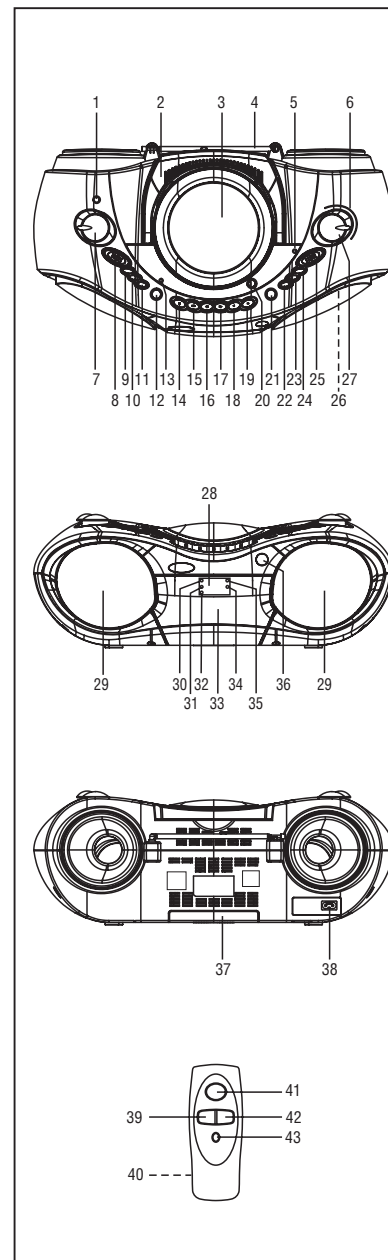
2. To wipe a disc, use only a soft cloth. Do not use benzene or thinner which will damage the disc. The disc should always be wiped in a straight line from the center to the edge. It should never be wiped in a circular motion.

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



LOCATION OF CONTROLS

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

REMOTE CONTROL

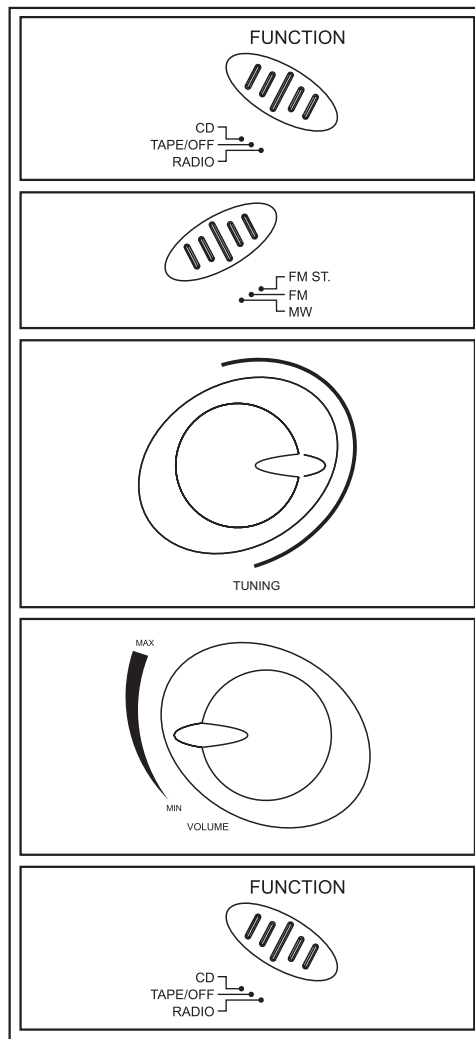
39. CD BACKWARD SKIP/SEARCH BUTTON
40. BATTERY COMPARTMENT
41. CD PLAY PAUSE BUTTON
42. CD FORWARD SKIP/SEARCH BUTTON
43. CD STOP BUTTON

5. RADIO OPERATION

1. Set the FUNCTION switch to the RADIO position, the POWER Indicator will light up.
2. Select the desired band with the BAND switch.
3. Tune to the desired station by rotating the TUNING control (rotate that control back and forth until you get the strongest and clearest reception).
4. The built-in MW antenna and external FM TELESCOPIC ANTENNA are directional.
 - When you are receiving an FM broadcast, fully extend the TELESCOPIC ANTENNA and rotate it for the best reception.
 - For MW broadcast, rotate the whole set until the best reception is heard.
5. Adjust the volume level to a comfortable listening level.
6. To turn off the radio, set the FUNCTION switch to the TAPE or CD position.

NOTES:

- If a particular FM (STEREO) station is weak, or you hear too much background noise, move the band selector switch to the FM (MONO) position.
- When the band selector switch is set to FM STEREO and a stereo broadcast is on the air, the FM STEREO indicator will be lit.



6. LISTENING TO A COMPACT DISC

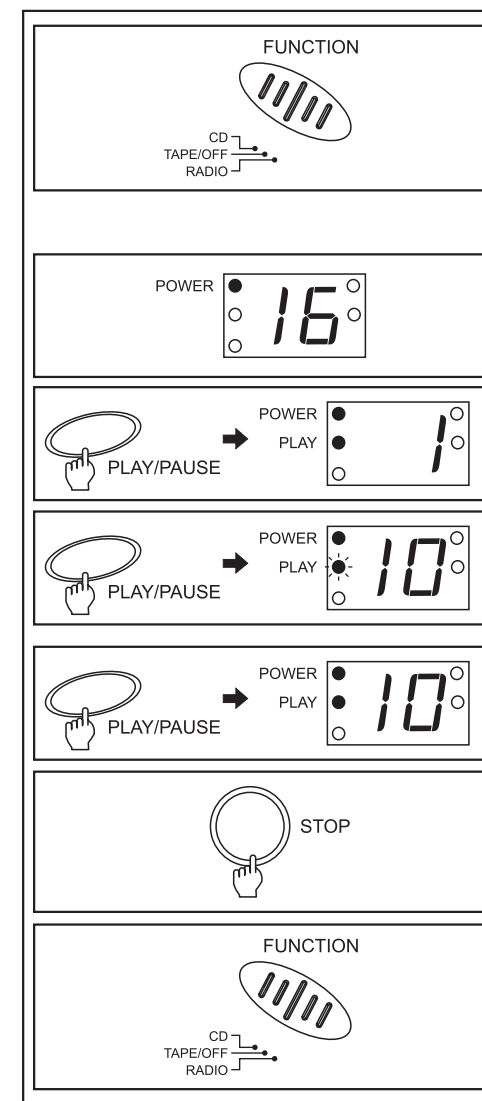
PLAYING A COMPACT DISC

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

1. Set the Function Switch to the CD position, the Display will show "— —".
2. Lift and open the CD door by pressing the CD door open button.
3. Insert a CD with the **LABEL** side **UP**. If the disc is upside down, the Display will show "— —".
4. Close the CD Door by pushing the Door down with your finger.
5. The Display will show the total number of tracks (songs) on the CD.
6. To start the music, press the CD Play/Pause Button (wait a few seconds for music to start). The first track number "1" will appear in the Display, the PLAY/PAUSE Indicator will light and the disc will start playing.
7. To pause the music, press the Play/Pause Button, the CD Play/Pause indicator will flash to remind you that you are in pause mode.
8. To resume the music from pause mode, press the Play/Pause Button again. The CD Play/Pause indicator will stop flashing.
9. To stop playing music, press the CD Stop Button.
10. To turn off the unit, set the Function Switch to TAPE position and make sure none of the tape keys are pressed in.

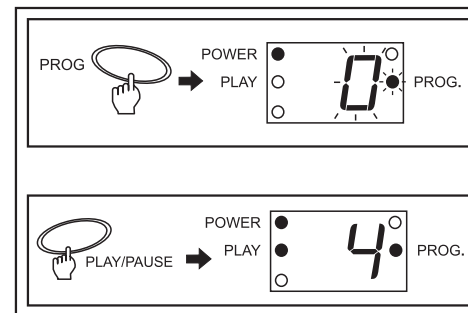
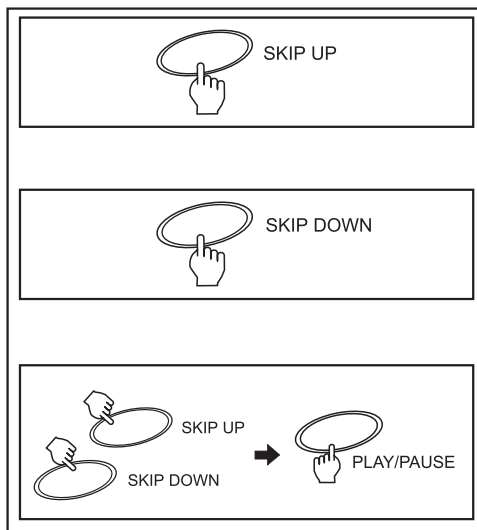
NOTE: Always stop the CD player by using the CD Stop Button before you take the disc out of the compartment.

NOTE: 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 for all portable CD players.



SKIPPING TRACKS (SEARCH)

1. This function enables you to find the beginning of any desired track during play. If the CD Forward Search/Skip (▶▶) button is pressed once or repeatedly, the NEXT TRACK or one of the subsequent tracks will be selected. The Display will show the track or song number.
2. If the CD Backward Search/Skip (◀◀) button is pressed twice or more in rapid succession, the track before or previous tracks will be selected.
3. When the unit is in the pause mode, it is also possible to select the beginning of a certain track by using the CD Forward Search/Skip (▶▶) button and CD Backward Search/Skip (◀◀) button to reach the desired track. After selection, press CD Play/Pause button.
4. Press and hold the CD Forward Search/Skip (▶▶) button to search forward at a high speed for a particular section of a song. Press and HOLD the CD Backward Search/Skip (◀◀) button to search backward. Release the button to resume normal play when the section is found.



4. Press CD Program Button again to store the track in memory.
5. Repeat steps 3 and 4 (up to 20 tracks).
6. After the tracks have been programmed in order, press the CD Play/Pause Button to start the programmed play from the first programmed track, and the CD Play/Pause Indicator will illuminate again, the Program Indicator will continue flashing.

NOTE: Tracks can only be programmed in the CD stop mode.

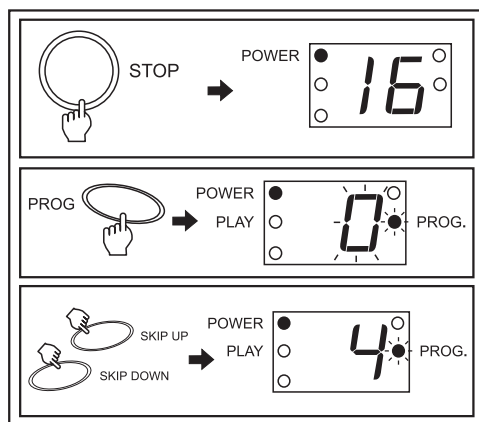
TO CLEAR PROGRAM

1. When the CD has stopped press CD Program button and then the CD Stop button.
2. After the disc has stopped, open the CD compartment and the program will be erased.
3. Turn off the power to the unit.

7. PROGRAM PLAY OPERATION

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

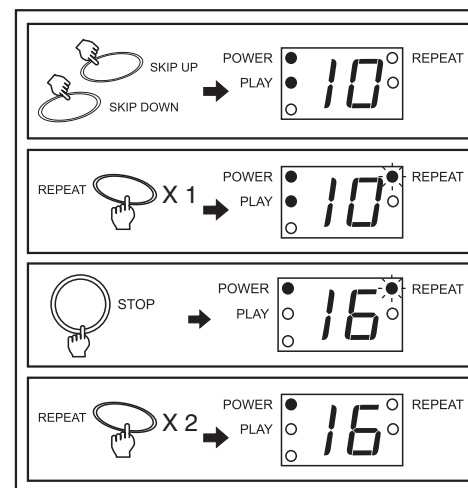
1. Press the CD Stop Button during playback. The total tracks will appear in the display.
2. Press the CD Program Button, "0" and Program Indicator will flash.
3. Select the track to be programmed by pressing Backward or Forward Skip/Search Button.



8. REPEAT PLAY OPERATION

REPEAT PLAY SINGLE SONG

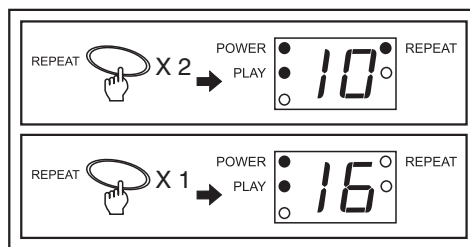
1. Press the Search/Skip Button during playback to select the song you want to repeat.
2. Press the Repeat Button. The Repeat Indicator will flash on and off.
3. The song selected will play over and over, till you press the Stop button.
4. To stop the repeat function, press Repeat Button twice more.



REPEAT PLAY ALL SONGS

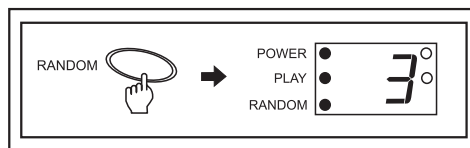
To repeat ALL SONGS on a disc again and again.

1. Press Repeat Button twice during playback.
2. The Repeat Indicator will be steady on. All the songs on the CD will play in order and then start all over again.
3. To stop the repeat function, press Repeat Button once more and the Repeat Indicator will turn off.



9. RANDOM PLAY OPERATION

Press Random button in CD stop mode, the unit will play the tracks in a random order.



10. CASSETTES

CASSETTE TAPE SELECTION

The quality and condition of the cassette tapes you use will have a direct effect on the performance of this set.

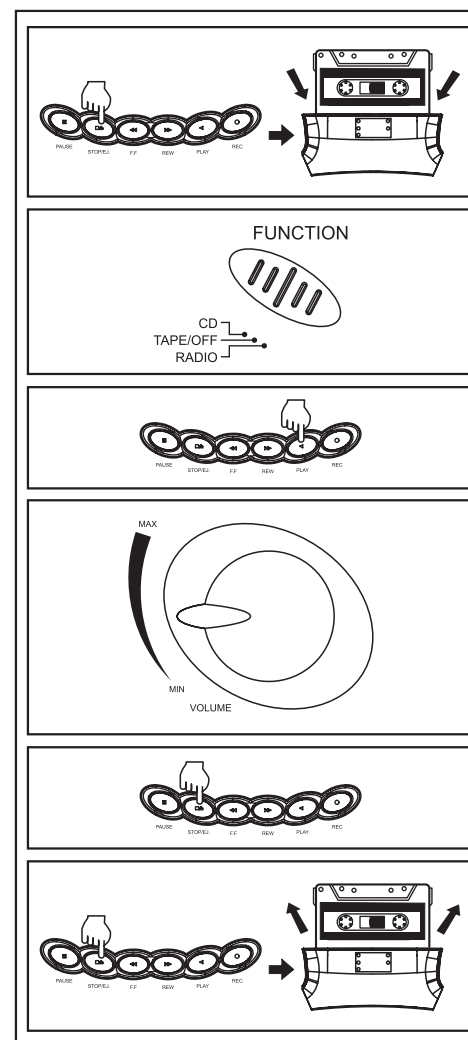
Low quality tapes tend to break and stretch and a broken tape can easily become entangle in the drive mechanism, causing major damage. Stretched tapes will run at uneven speeds and will distort anything recorded on them.

- 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 CrO₂, 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.
2. Insert a cassette with the exposed tape facing upwards and the full reel on the right (unit plays from right to left) into the guides on the inside of the cassette door.
3. Close the cassette door.
4. Set the function switch to the TAPE playback.
5. Press the cassette PLAY button to start the tape playing.
6. Adjust the VOLUME control to a comfortable listening level.
7. To stop the tape playing, press the STOP/EJECT button. Press the button again to open the cassette door and eject the tape.

NOTE: During play, when the end of the tape is reached the PLAY button will pop up and play will stop. To play the other side of the tape, remove the cassette, turn the cassette over so that the full reel is on the right, replace the cassette and press the 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.

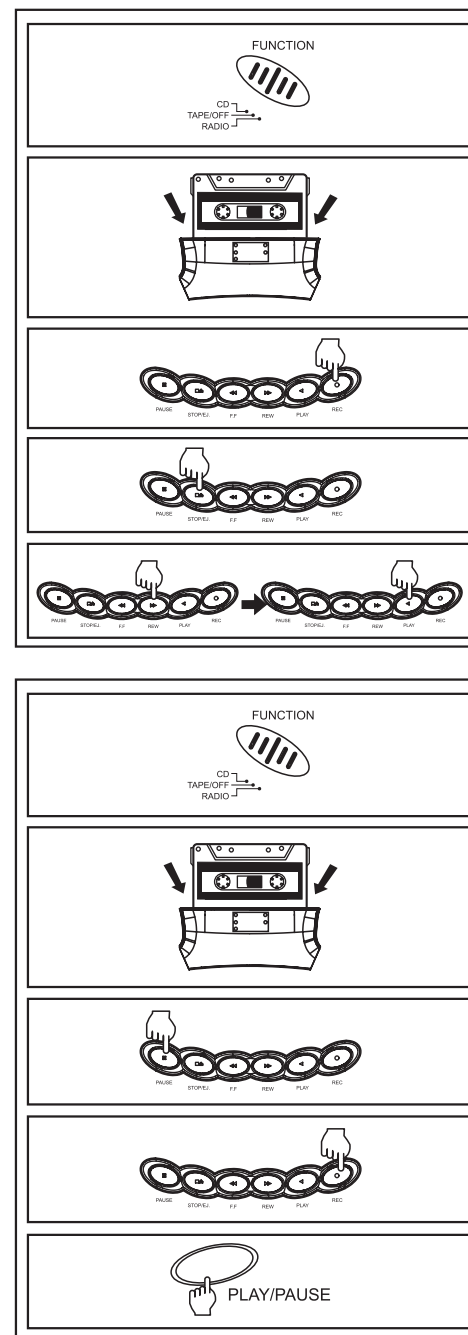
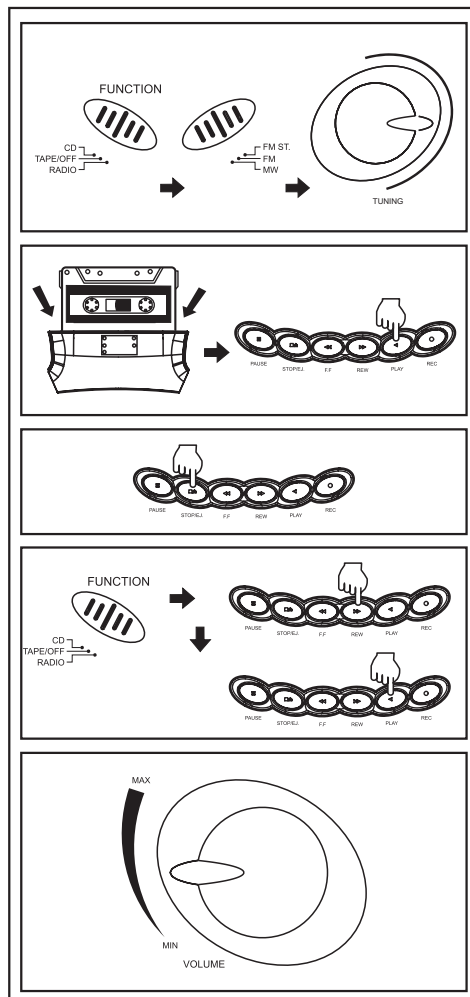
NOTE: While recording you may adjust the Volume Control as desired without affecting the recording operation.

11. RECORDING FROM RADIO/MICROPHONE/CD

RECORDING FROM RADIO

1. Set the FUNCTION switch to the RADIO position and tune to the desired station.
2. Load a cassette into the cassette compartment, with the full reel on the right.
3. Press the cassette RECORD button until it locks in the down position (PLAY button is depressed at the same time) and recording will start.
4. To end the recording press the cassette STOP/EJECT button. If this button is not pressed the recording will stop automatically when the end of the tape is reached.
5. To listen to your recording, slide the FUNCTION switch to TAPE position, press the cassette REWIND button until the start point of the recording is reached, then press the STOP button and the PLAY button. Use the VOLUME control to adjust the playback level to your personal taste.

NOTE: On each end of the tape there is a tape leader and no recording will take place over this portion of the tape. If you wish recording to take place as soon as the RECORD button is pressed, please ensure that the leader is wound past the record head.



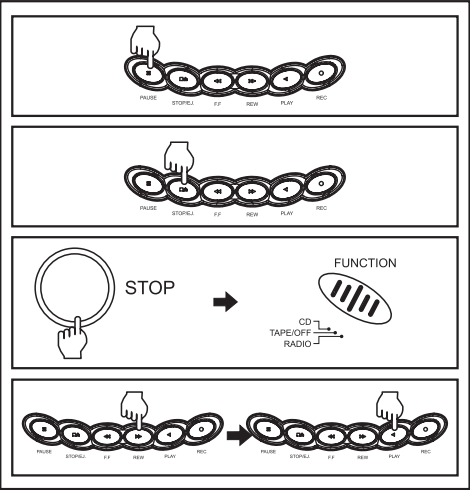
RECORDING FROM THE BUILT-IN MICROPHONE

1. Set the FUNCTION switch to the TAPE position.
2. Load the cassette which you wish to record on into the guides on the cassette door (Full reel on the right hand side).
3. Press the cassette RECORD button and speak into the built-in microphone on the top left of the unit.
4. Press the STOP/EJECT button to end the recording.
5. Rewind the tape and then press the PLAY button to listen to your recording.

RECORDING FROM A CD

1. Set the FUNCTION switch to the CD position.
2. Load a cassette into the cassette compartment with the full reel on the right.
3. Insert the compact disc from which you wish to record and close the CD door.
4. Press the cassette PAUSE button on the tape deck.
5. Press the cassette RECORD and PLAY buttons so they lock in the down position (The unit is now in recording standby mode).
6. Start the CD playing by pressing the CD PLAY/PAUSE button.

- 7. Press the cassette PAUSE button again and then recording begins.
- 8. To end the recording, press the cassette STOP/EJECT button.
- 9. Press the CD STOP button and then move the FUNCTION switch to the TAPE position.
- 10.To listen to your recording, press the REWIND button to return to the point where the recording started and then press the 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.

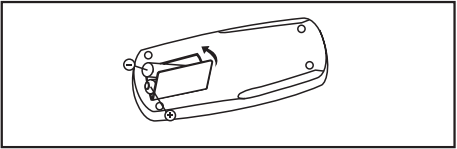
REMOTE CONTROL RANGE

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

- 1. Open the battery compartment cover.
- 2. Install 2pcs UM-4 (size AAA) batteries into the battery Compartment matching the polarity as shown in the battery compartment.
- 3. 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

Please note: Due to the fact that we are continually trying to improve our products these specifications are subject to change without notice.

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 Ω)
Speakers Impedance	4 Ω 2 * 3W

RADIO

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

GENERAL

Power requirements	AC 230V DC 8* "C" size (or equivalents) batteries (not supplied)
Power consumption	22W
Dimension	Approx. 446.5(L) X 240.5(W) X 163.0(H) mm
Net Weight	Approx. 3.192Kg (not including batteries)