Goodmans
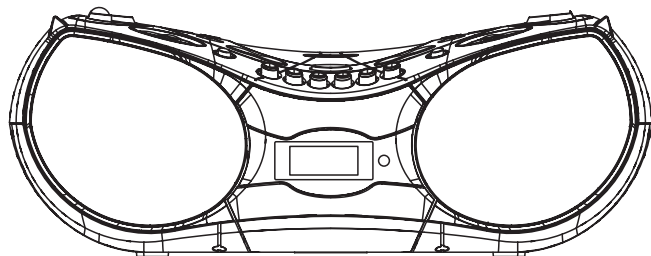
PORTABLE CD/MP3 DISC PLAYER
STEREO RADIO CASSETTE RECORDER
GPS161MP3R

Instruction Manual

SPECIFICATIONS

Programme Play ....Up to 20 tracks

Earphone output ....20mW x 2 (32 Ω)

Power requirement ....AC 230V/50Hz

Dimension ....Approx. 446.6(L) X 246.2(W) X 170.2(H) mm

Weight ....Approx. 3.2Kg (not including batteries)

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

IMPORTANT SAFEGUARDS
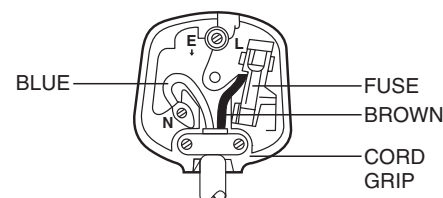
PRE FITTED MAINS PLUGS

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

BLUE

FUSE
BROWN

CORD
GRIP

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.

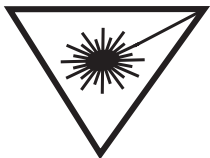This symbol means that this unit is double insulated. An earth connection is not required.

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 made 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 equiment, 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.

HELPLINE PHONE NUMBER 0870 873 0080

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.

TABLE OF CONTENTS

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.
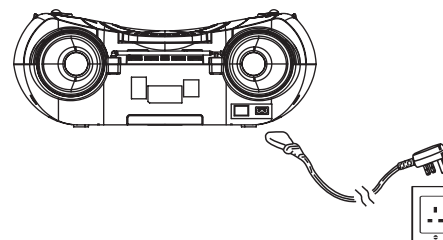
SAFETY PRECAUTIONS

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 then 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.
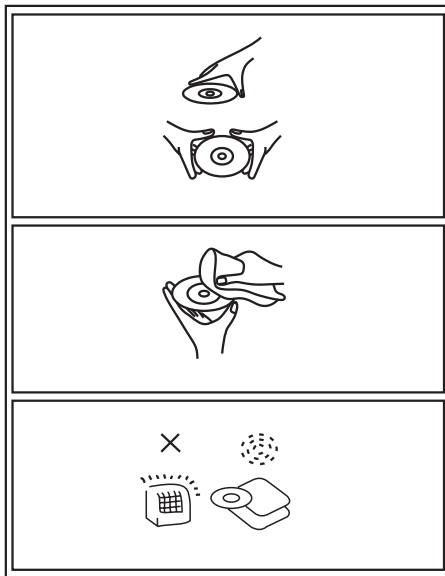Clean the tape head with a head cleaning tape.

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, MAINTENANCE AND CARE

Cleaning the Disc

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

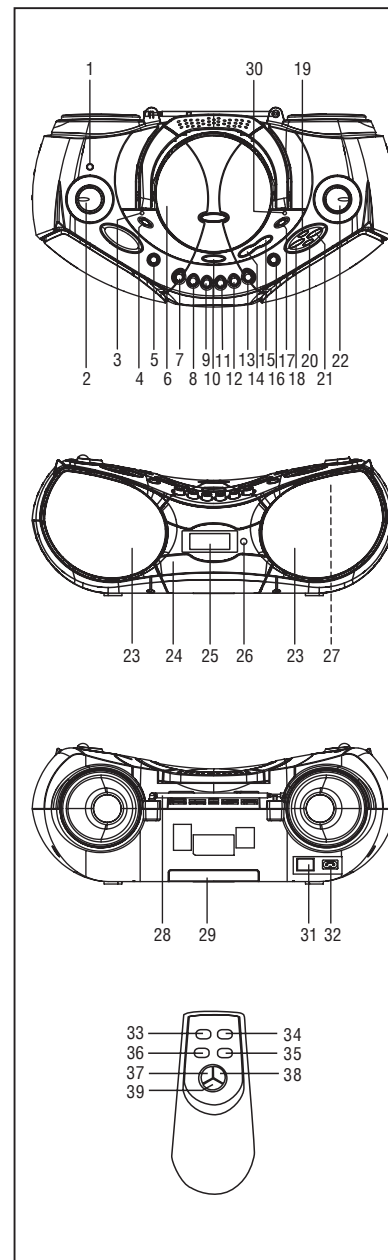   **NOTE:** Do not touch the rainbow-colored side.

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.
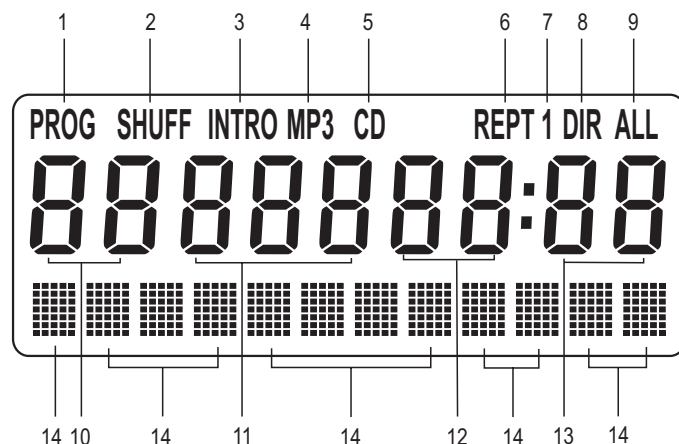
4. LOCATION OF CONTROLS

1. PHONES SOCKET
2. VOLUME CONTROL
3. POWER INDICATOR
4. FUNCTION SWITCH
5. BASS BOOST SWITCH
6. CD DOOR
7. CASSETTE PAUSE BUTTON
8. CASSETTE STOP/EJECT BUTTON
9. CASSETTE F.FWD BUTTON
10. CD DOOR OPEN BUTTON
11. CASSETTE REWIND BUTTON
12. CASSETTE PLAY BUTTON
13. CASSETTE RECORD BUTTON
14. CD STOP BUTTON
15. CD PLAY/PAUSE BUTTON
16. CD +10/ALBUM BUTTON
17. BAND SWITCH
18. CD SKIP/SEARCH BACK BUTTON
19. CD MODE BUTTON
20. CD EQ/PROGRAM BUTTON
21. CD SKIP/SEARCH FORWARD BUTTON
22. TUNING CONTROL
23. SPEAKERS
24. CASSETTE DOOR
25. LCD DISPLAY
26. REMOTE SENSOR
27. BUILT-IN MICROPHONE
28. FM TELESCOPIC ANTENNA
29. BATTERY COMPARTMENT COVER
30. FM ST. INDICATOR
31. MAINS POWER SWITCH (OPTIONAL)
32. AC SOCKET

REMOTE CONTROL
33. CD STOP BUTTON
34. CD PLAY/PAUSE BUTTON
35. CD SKIP/SEARCH UP BUTTON
36. CD SKIP/SEARCH DOWN BUTTON
37. CD PROGRAM/EQ BUTTON
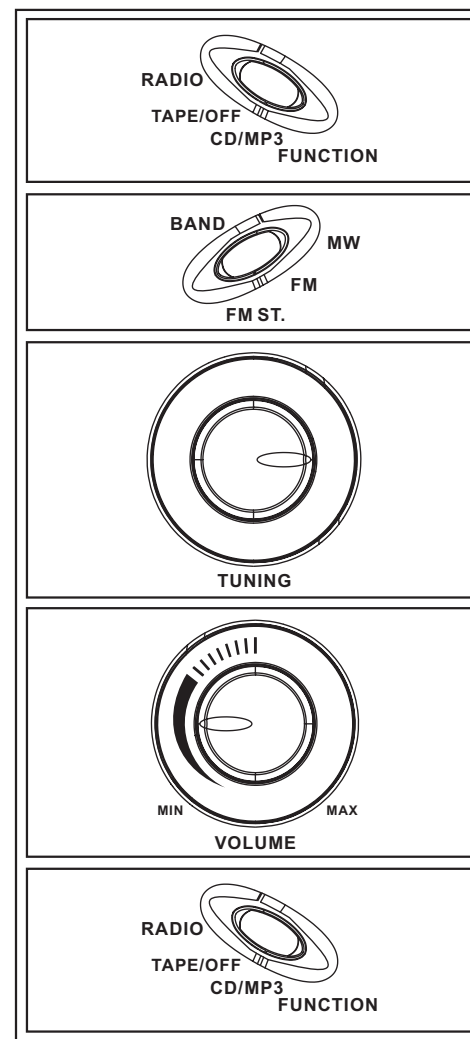38. CD MODE BUTTON
39. +10/ALBUM BUTTON

GET FAMILIARIZED WITH THE DISPLAYED CONTENTS IN THE LCD

```
 1      2      3    4    5        6  7  8   9

PROG  SHUFF  INTRO MP3 CD      REPT 1 DIR ALL

8 8 8 8 8 8 8 : 8 8

14 10    14     11      14     12  14 13   14
```

1. "PROG" shows during programmed playing.
2. "SHUFF" shows during random playing.
3. "INTRO" shows during intro scan playing.
4. "MP3" shows when the disc being played is a MP3 disc.
5. "CD" shows when the disc being played is a CD.
6. "REPT" shows during repeat playing.
7. "REPT 1" shows during single track repeat playing.
8. "REPT DIR" shows during single album tracks repeat playing (only for MP3 disc).
9. "REPT ALL" shows during the whole disc repeat playing.
10. This is the current album number during MP3 playing.
11. This is the number of the track being played.
12. This is the elapsing minute of the track being played.
13. This is the elapsing second of the track being played.
14. This is the status column. During MP3 playing, it also shows the playing information of the current track.

RADIO
TAPE/OFF
CD/MP3
FUNCTION

BAND
MW
FM
FM ST.

TUNING

MIN   MAX
VOLUME

RADIO
TAPE/OFF
CD/MP3
FUNCTION

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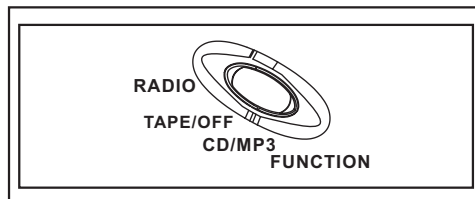   **NOTES:**
   - If a particular FM (STEREO) station is weak, or you hear too much background noise, move the band selector switch to the FM (MONO) position.
   - When the band selector switch is set to FM STEREO and a stereo broadcast is on the air, the FM STEREO indicator will be lit.

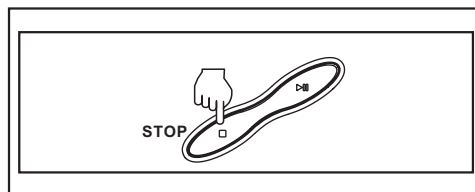# 7. LOAD AND REMOVE A DISC

LOAD A DISC

1. Slide the FUNCTION switch to the CD/MP3 position.
2. Open the CD door.
3. Insert a disc with the label side facing upward (if the disc is upside down, the display will show "NO DISC").
4. Close the CD door by hand.
   NOTE: Never touch the laser lens inside the CD compartment. If it ever gets dirty, clean it with a CD cleaner disc.
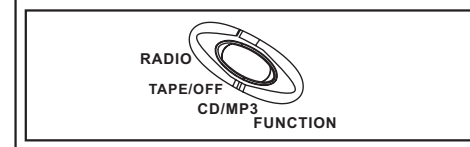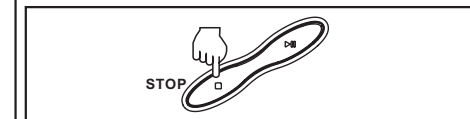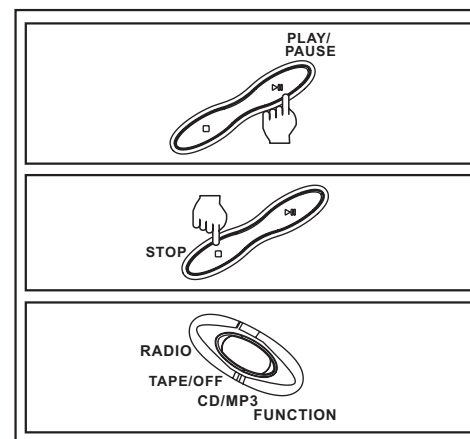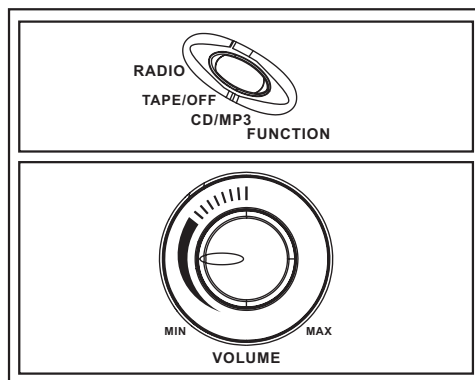
REMOVE A DISC

1. Make sure the CD/MP3 disc is not playing. If it is, press the CD STOP button.
2. Open the CD door.
3. Gently remove the disc.
4. Close the CD door by hand.
5. Replace the disc in its protective storage box.

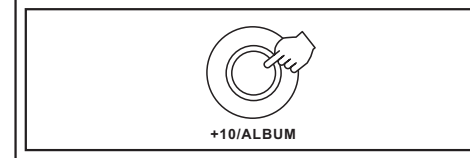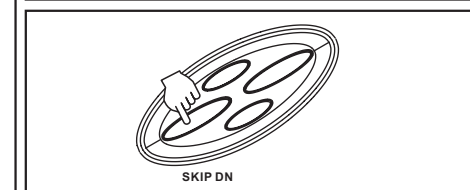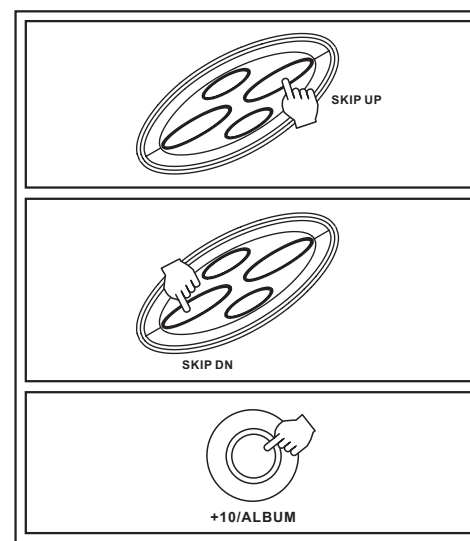# 8. CD PLAYBACK

PLAYING A CD

1. Make sure the power is connected, slide the FUNCTION switch to CD/MP3 position, POWER indicator will light.
2. Load a disc into the CD compartment. Close the CD door, the disc will begin to spin.
3. Adjust the VOLUME to the desired volume level.

4. To stop playing temporarily, press the CD PLAY/PAUSE button.
   • The current playing track would flash on the display.
   • Resume normal play by pressing PLAY/PAUSE button again.
5. To stop playing, press the STOP button. The total tracks' number and whole playing time will be shown on the display.
6. To turn off the player, slide the FUNCTION switch to TAPE/OFF position.

SKIP TRACKS AND SEARCH FOR A SPECIFIC POINT TO PLAY

1. Press once the SKIP/SEARCH up button in music play to skip to the next track. To skip to a specific track ahead, press this button several times.
2. Press once the SKIP/SEARCH down button in music play to skip to the beginning of the current track. To skip to a specific track at back, press this button several times.
3. Press +10/ALBUM button once in play to skip to the track 10 tracks ahead, twice to skip to the track 20 tracks ahead. You can reach the last track of the disc using this button. Press this button again at the last track of disc to go to the first track for playback.
4. Hold the SKIP/SEARCH up button in music play to search at quick rate for a Specific point to play.
5. Hold the SKIP/SEARCH down button in music play to search at quick rate for a specific point to play.

PROGRAMMED PLAY

Programmed play is that tracks on the disc can be edited for playback in a preferred order with the use of EQ/PROGRAM button.

In CD stop mode, press EQ/PROGRAM button once, "PROG" shows in the LCD with a flickering "000" and the program sequence indication "P-01", select the first track to be programmed using SKIP/SEARCH buttons or +10/ALBUM button, and press PROGRAM button again to store and advance to the next programming step. The program sequence indication changes to "P-02" waiting for your next input.

Repeat the steps above to program more tracks. A maximum of 20 tracks can be programmed in memory in a preferred order.
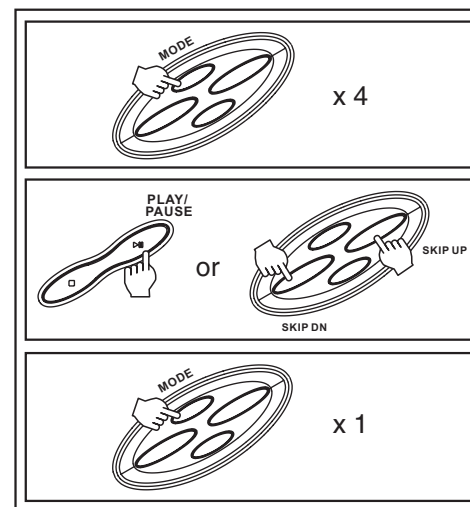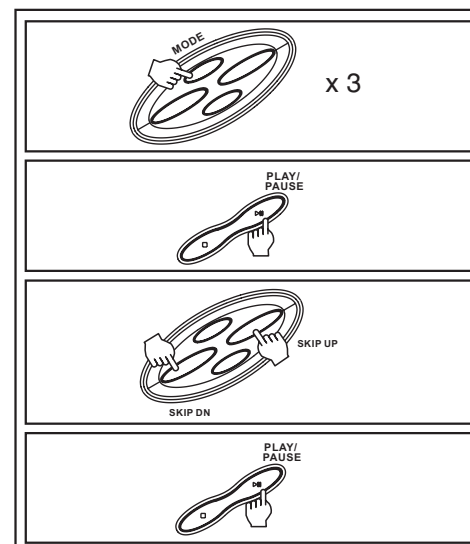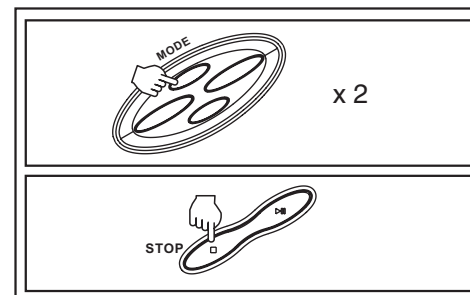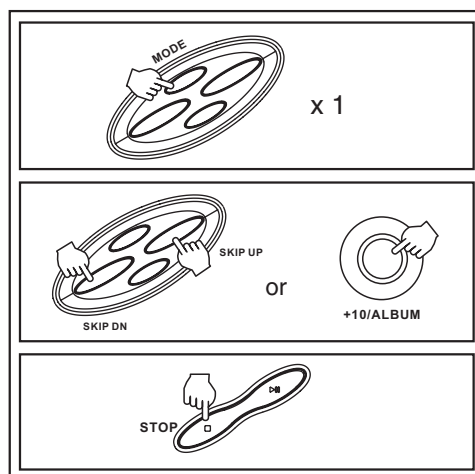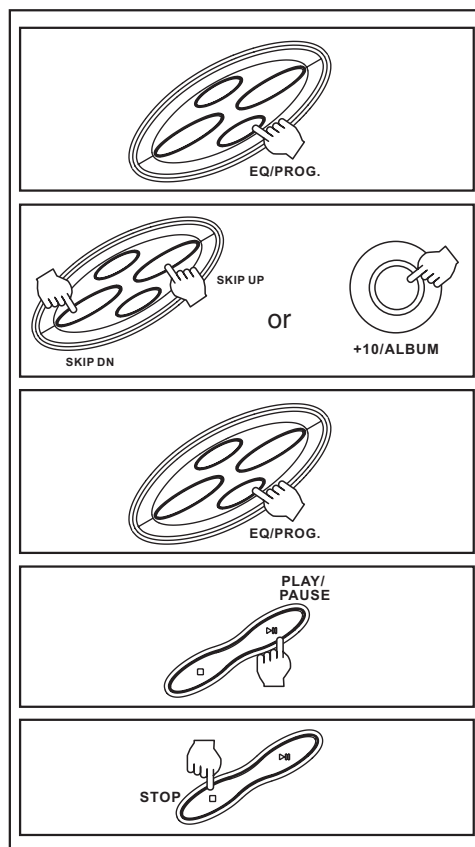
Press PLAY/PAUSE button to begin programmed play in the preferred order after you are done with programming. The player stops automatically after all programmed tracks are played.

You may press STOP button to terminate programmed playback. In program stop mode, press STOP button again to clear the programming; press PLAY/PAUSE button to begin the programmed playback with the programming order identical with the previous one done.

You may press STOP or PLAY/PAUSE button during programming to exit.

REPEAT A SINGLE TRACK

To repeat a preferred track in playback, press MODE button once, "REPT 1" shows in the LCD. Then select the preferred track using SKIP/SERCH buttons or +10/ALBUM button. The player will repeat the chosen track until you press STOP button.

EQ/PROG.

SKIP UP
or
SKIP DN   +10/ALBUM

EQ/PROG.

PLAY/PAUSE

STOP

MODE   x 1

SKIP UP
or
SKIP DN   +10/ALBUM

STOP

MODE   x 2

STOP

MODE   x 3

PLAY/PAUSE

SKIP UP
SKIP DN

PLAY/PAUSE

MODE   x 4

PLAY/PAUSE
or
SKIP UP
SKIP DN

MODE   x 1

REPEAT ALL TRACKS

To repeat all tracks, press MODE button twice in play mode, "REPT ALL" shows in the LCD. The player will repeat all tracks until you press STOP button.

INTRODUCTION PLAY

Introduction play is that the first ten seconds of each track are played in a sequential order. Press MODE button three times to enter this mode during play, "INTRO" shows in the LCD. Press Play/Pause button to begin Introduction play from Track NO.1. Press SKIP up button to begin INTRO playback from the track immediately after the current track and SKIP down button to begin INTRO playback from the current track. Press Play/Pause button again in Intro playback to exit Introduction play mode and normal music play resumes.
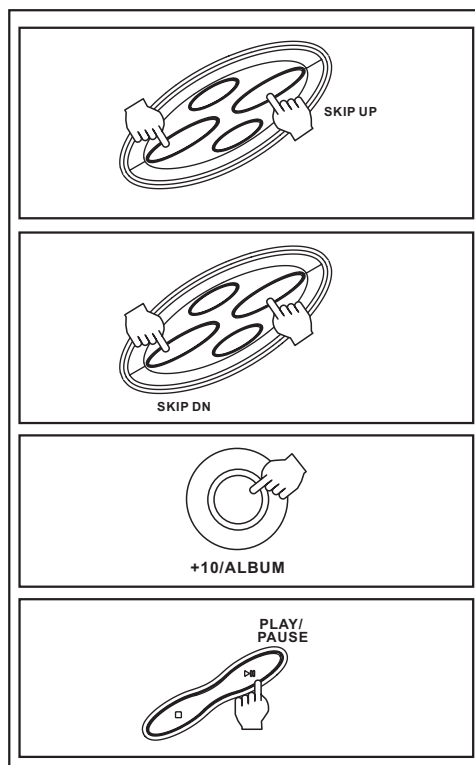
RANDOM PLAY

Random play is that tracks on the disc are played by the player at random. Press MODE button four times to enter this mode during play, "SHUFF" shows in the LCD. Press Play/Pause button or SKIP buttons to begin Random playback. Tracks on the disc will be selected at random for playback and the player stops automatically after all tracks are played. Press MODE button once more to exit random and return to normal playback from the track it's reached.

9. MP3 DISC PLAYBACK

This player is capable of MP3-CDs. It takes longer time for this player to read an MP3-CD than it does CD-DA. Wait patiently while it is reading.
After an MP3-CD is successfully read, the icon of "MP3" shows in the LCD together with the total number of albums and tracks. And a second later, playback begins from the first track of the first album.
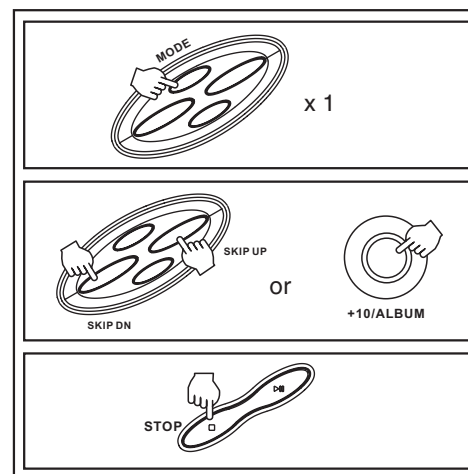
LOCATE A TRACK OR ALBUM AND SEARCH FOR A SPECIFIC POINT TO PLAY

1. Press once the SKIP/SEARCH up button in music play to skip to the next track. To skip to a specific track ahead, press this button several times.
2. Press once the SKIP/SEARCH down button in music play to skip to the beginning of the current track. To skip to a specific track at back, press this button several times.
3. Press +10/ALBUM button once in play to skip to the track 10 tracks ahead, twice to skip to the track 20 tracks ahead. You can reach the last track of the current album using this button. Press this button again at the last track of album to go to the first track of this album for playback.
4. Hold the SKIP/SEARCH up button in music play to search at quick rate for a specific point to play.
5. Hold the SKIP/SEARCH down button in music play to search at quick rate for a specific point to play.
6. Hold +10/ALBUM button, the album number will flash; press the Skip/Search button to select the desired album then Play/Pause button to begin playing the first track of the selected album; press the SKIP/SEARCH button to select the exact track you are going to listen to.
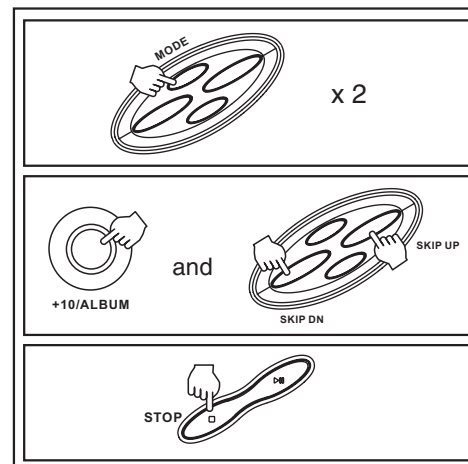
SKIP UP

SKIP DN

+10/ALBUM

PLAY/ PAUSE

MODE

x 1

SKIP UP

or

SKIP DN   +10/ALBUM

STOP

MODE

x 2

+10/ALBUM   and   SKIP UP

SKIP DN

STOP

MODE

x 3

STOP

REPEAT A SINGLE TRACK

To repeat a preferred track in playback, press MODE button once, "REPT 1" shows in the LCD . Then select the preferred track using SKIP/SERCH buttons or +10/ALBUM button. The player will repeat the chosen track until you press STOP button.
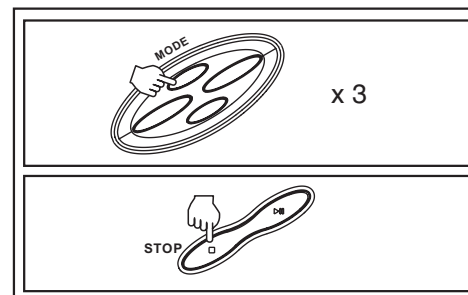
REPEAT AN ALBUM

To repeat a preferred album in playback, press MODE button twice, "REPT DIR" shows in the LCD. Then select the preferred album using the Album and Skip buttons together. The player will repeat the chosen album until you press STOP button.
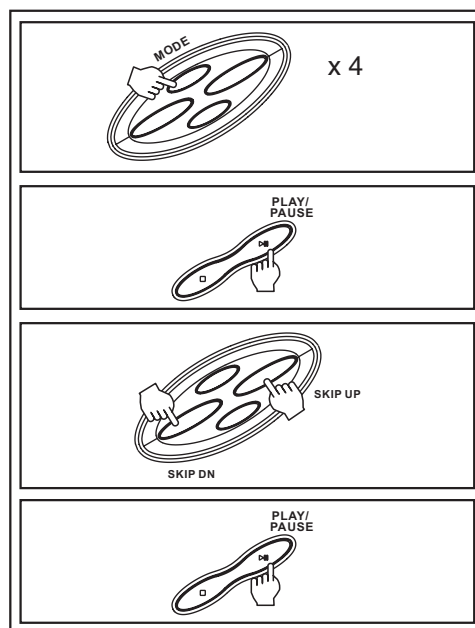
REPEAT ALL TRACKS

To repeat all tracks, press MODE button three times in play mode, "REPT ALL" shows in the LCD. The player will repeat all tracks until you press STOP button.
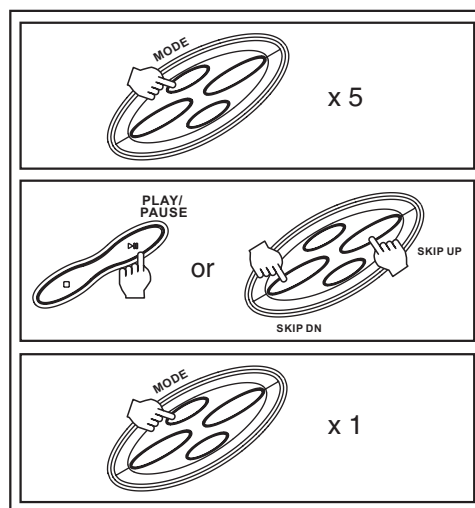
INTRODUCTION PLAY

Introduction play is that the first ten seconds of each track are played in a sequential order. Press MODE button four times to enter this mode during play, "INTRO" shows in the LCD. Press Play/Pause button to begin Introduction play from Track NO.1. Press SKIP up button to begin INTRO playback from the track immediately after the current track and SKIP down button to begin INTRO playback from the current track. Press Play/Pause button again in Intro playback to exit Introduction play mode and normal music play resumes.

MODE x 4

PLAY/PAUSE

SKIP UP
SKIP DN

PLAY/PAUSE

RANDOM PLAY

Random play is that tracks on the disc are played by the player at random. Press MODE button five times to enter this mode during play, "SHUFF" shows in the LCD. Press Play/Pause button or SKIP buttons to begin Random playback. Tracks on the disc will be selected at random for playback and the player stops automatically after all tracks are played. Press MODE button once more to exit random and return to normal playback from the track it's reached.

MODE x 5

PLAY/PAUSE or SKIP UP
SKIP DN

MODE x 1

EQ/PROG.

SKIP UP
SKIP DN +10/ALBUM or

EQ/PROG.

SKIP UP
SKIP DN +10/ALBUM or

EQ/PROG.

PLAY/PAUSE

STOP

PROGRAMMED PLAY

Programmed play is that tracks on the disc can be edited for playback in a preferred order with the use of EQ/PROGRAM button.
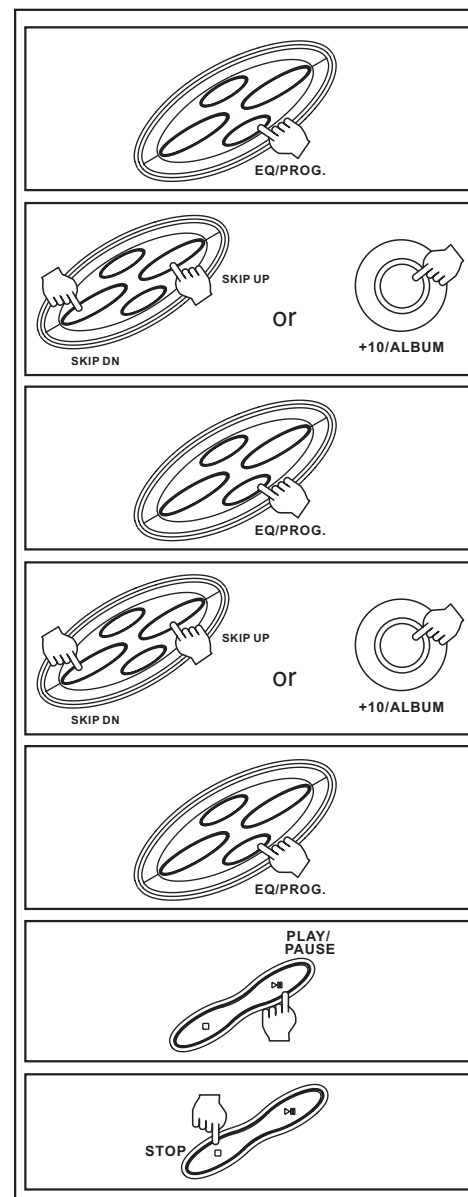
In MP3 stop mode, press EQ/PROGRAM button once, "PROG" shows in the LCD with a flickering album "00" and the program sequence indication "P-01"; select the album number to be programmed using SKIP/SEARCH buttons or +10/ALBUM button, and press EQ/PROGRAM button again to store; the track number "000" flickers waiting for your selection. Choose the desired track with SKIP/SEARCH buttons or +10/ALBUM button. Press PROGRAM button again to confirm the first programming and advance to the next programming step. The program sequence indication changes to "P-02" waiting for your next input.

Repeat the steps above to program more tracks. A maximum of 20 tracks can be programmed in memory in a preferred order.

Press PLAY/PAUSE button to begin programmed play in the preferred order after you are done with programming. The player stops automatically after all programmed tracks are played.

You may press STOP button to terminate programmed playback. In program stop mode, press STOP button again to clear the programming; press PLAY/PAUSE button to begin the programmed playback with the programming order identical with the previous one done.
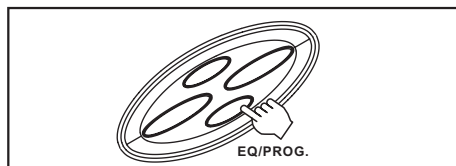
You may press STOP or PLAY/PAUSE button during programming to exit.

10. ANTI-SHOCK PROTECTION

A special circuitry inside the player guarantees that there will be no sound skipping when the player is subject to shock and shaking in music playback. The laser scans the CD/MP3 disc and saves data for up to 60/120 seconds ahead of where the playback is on the disc. In case of shocks or shaking or vibrations, the player reads from the memory until the laser can read CD again. But if there is too much vicious vibration or shaking exerted on the player, the player may malfunction and sound skipping is caused.

When this happens, place the player on a level table where no vibration will be brought. Normal sound will resume immediately.

11. EQ SELECTION

Press EQ/PROGRAM button continuously during disc playback mode to select EQ sound effects among DBB, POP, CLASSICAL, JAZZ, ROCK, and NORMAL.
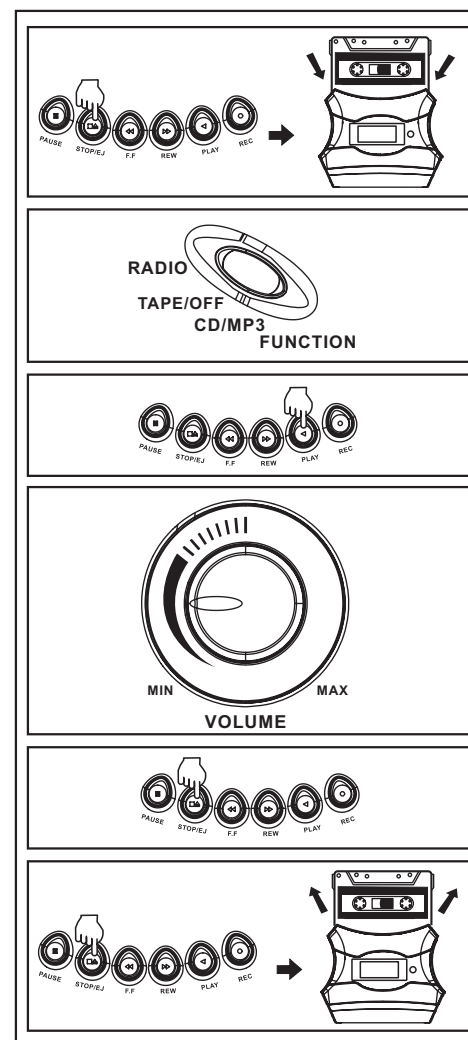
EQ/PROG.

12. CASSETTES

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.

RADIO
TAPE/OFF
CD/MP3
FUNCTION

MIN **MAX**
VOLUME

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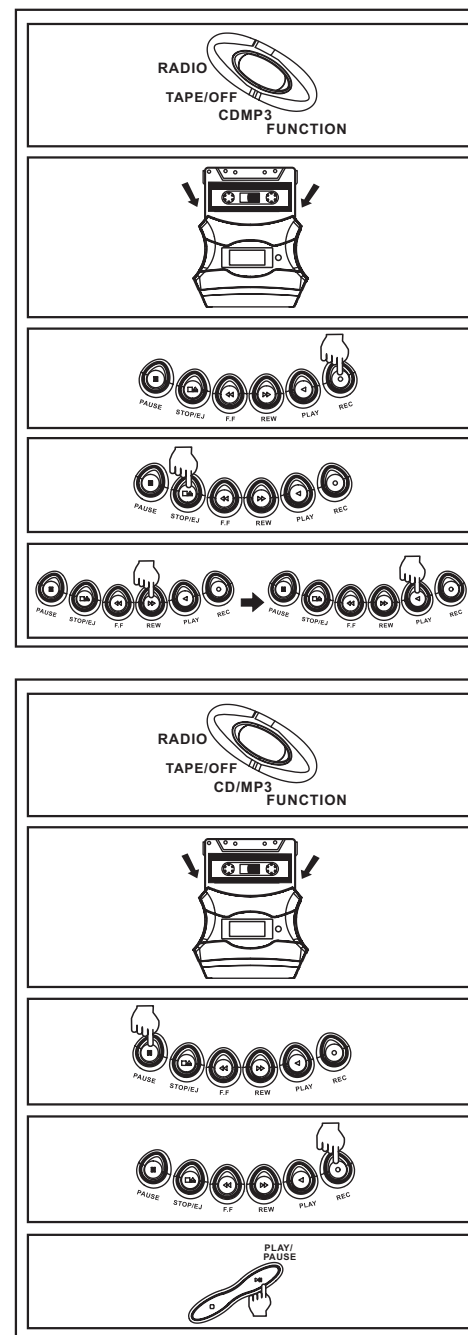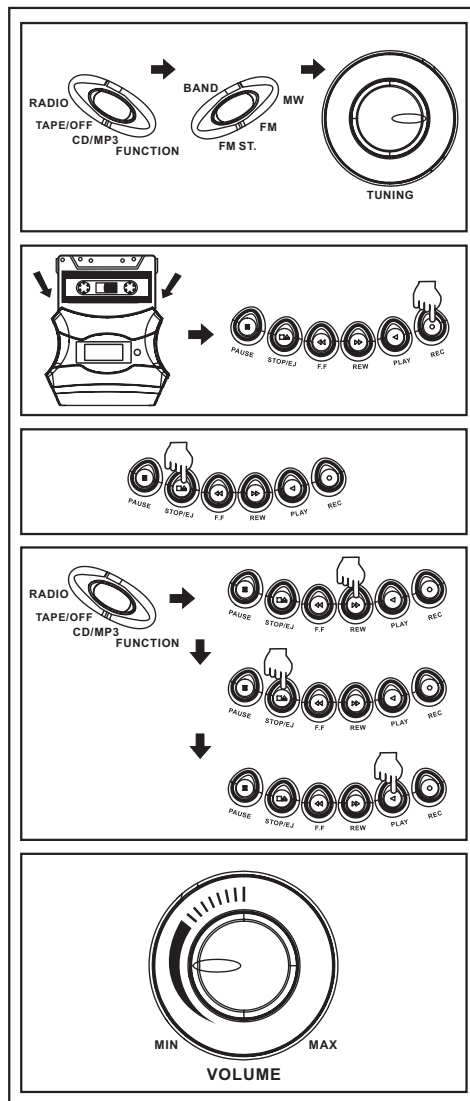
NOTE: While recording you may adjust the Volume Control as desired without affecting the recording operation.

13. RECORDING FROM RADIO/MICROPHONE/CD/MP3

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/OFF 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.
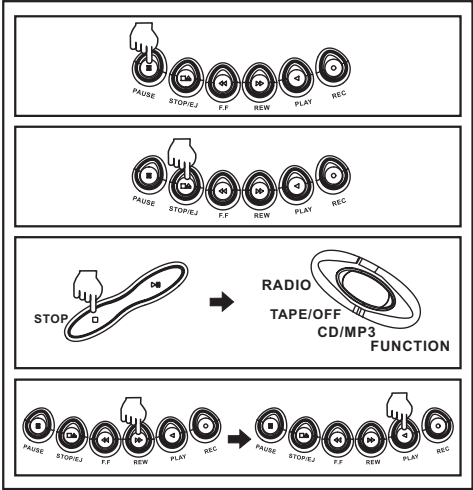
RECORDING FROM THE BUILT-IN MICROPHONE

1. Set the FUNCTION switch to the TAPE/OFF 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/MP3

1. Set the FUNCTION switch to the CD/MP3 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/OFF 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.

14. 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.

15. 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: GaAIAs
Properties	Wavelength: λ =780nm Emission Duration: continuous Laser output: <44.6μW
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 (32Ω)
Speakers Impedance	4Ω 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. 446.6(L) X 246.2(W) X 170.2(H) mm
Net Weight	Approx. 3.2Kg (not including batteries)