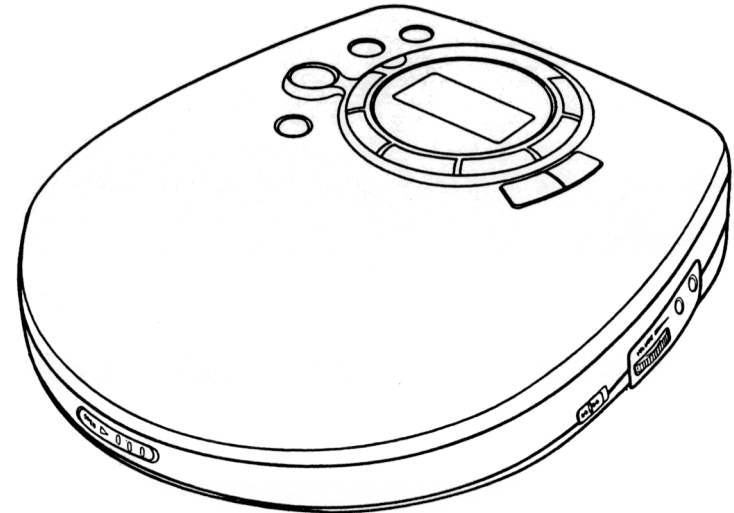


Memorex®

**45 SECOND ANTI-SKIP CD PLAYER
WITH DIGITAL ELECTRONIC TUNING
AM/FM STEREO RADIO**

MODEL # MD5480 SERIES

**BEFORE OPERATING THIS PRODUCT PLEASE
READ THESE INSTRUCTIONS COMPLETELY**



Memcorp, Inc.
Hialeah, FL 33014

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Printed in China

OPERATING INSTRUCTIONS

0525480CP55



LIMITED WARRANTY AUDIO

We at **MEMOREX** believe you will be pleased with your new Audio Product. Please read this Warranty carefully. Memorex warrants this product to be free from manufacturing defects purchased in and if used in, the United States.

Should you find your unit is not operating properly during the terms of full coverage of this warranty ninety (90) days, you should contact your original place of purchase for an exchange with a valid receipt. If necessary, Memorex will provide one of the following options (at Memorex's discretion) providing the manufacturing defect is verified along with the date of purchase.

1. Repair service for ninety (90) days of original purchase at no charge for labor and parts.
2. Replacement of your defective unit with either a new, refurbished or equivalent model at no charge for ninety (90) days from the date of original purchase.

This warranty is void if the product is :

- A) Damaged through negligence, abuse, misuse, accident, or acts of God.
- B) Used in commercial applications or rentals.
- C) Modified or repaired by anyone other than Memorex or their expressly authorized representative.
- D) Damage resulting from the improper connection to equipment of other manufacturers.

This warranty does not cover :

- A) Cost incurred in the shipping of the product to and from the Memorex authorized repair facility listed.
- B) Damage or improper operation caused by the failure to follow the operating instructions provided with the product.
- C) Routine adjustments to the product which can be performed by the customer as outlined in the owner's manual.
- D) Damage to compact disc.
- E) Signal reception problems caused by external factors.
- F) Products not purchased in the United States.
- G) Damage to the products used outside the United States.

In the event that service is required under this warranty, please call our toll free number at 1-800-919-3647 for instructions

THIS WARRANTY IS NON-TRANSFERABLE AND APPLIES SOLELY TO THE ORIGINAL PURCHASER AND DOES NOT EXTEND TO SUBSEQUENT OWNERS OF THE PRODUCT. ANY APPLICABLE IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED IN DURATION TO A PERIOD OF THE EXPRESSED WARRANTY AS PROVIDED HEREIN BEGINNING WITH THE DATE OF THE ORIGINAL PURCHASE AT RETAIL AND NO WARRANTIES, WHETHER EXPRESSED OR IMPLIED SHALL APPLY TO THE PRODUCT THERE AFTER. MEMOREX MAKES NO WARRANTY AS TO THE FITNESS OF THE PRODUCT FOR ANY PARTICULAR PURPOSE OR USE.

THE EXTENT OF MEMOREX'S LIABILITY UNDER THE LIMITED WARRANTY IS THE REPAIR OR REPLACEMENT PROVIDED ABOVE AT THE SOLE DISCRETION OF MEMOREX. IN NO EVENT SHALL MEMOREX'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY THE PURCHASER. UNDER NO CIRCUMSTANCE SHALL MEMOREX BE LIABLE FOR ANY LOSS, DIRECT, INDIRECT, INCIDENTAL, FORESEEN, UNFORESEEN, SPECIAL, OR CONSEQUENTIAL DAMAGE ARISING OUT OF OR IN CONNECTION WITH THE USE OF THIS PRODUCT.

THIS WARRANTY IS VALID ONLY IN THE UNITED STATES. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, HOWEVER, YOU MAY HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE. SOME STATES DO NOT ALLOW LIMITATIONS ON IMPLIED WARRANTIES OR EXCLUSION OF CONSEQUENTIAL DAMAGE, THEREFORE THESE RESTRICTIONS MAY NOT APPLY TO YOU.

Cleaning the Cabinet

Wipe with a soft cloth. If the cabinet is very dirty, dampen the cloth with a weak solution of neutral detergent and water, and then wipe clean.

Cleaning the lens

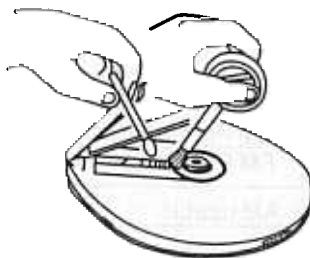
A dirty lens will cause sound skipping and, if the lens is very dirty, the CD may not work. Open the disc cover and clean the lens as follows:

Dust or Dry Particles

Using a camera lens brush / blower, blow on the lens couple times, then wipe it lightly with the brush to remove dust. Then, blow on the lens once more.

Finger prints

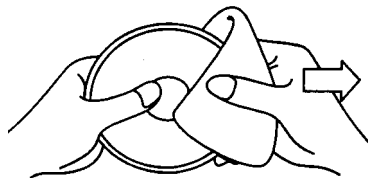
If the lens cannot be cleaned by using a brush / blower, use a dry cotton swab starting in the middle and working to the outside edge.



DISC CLEANING

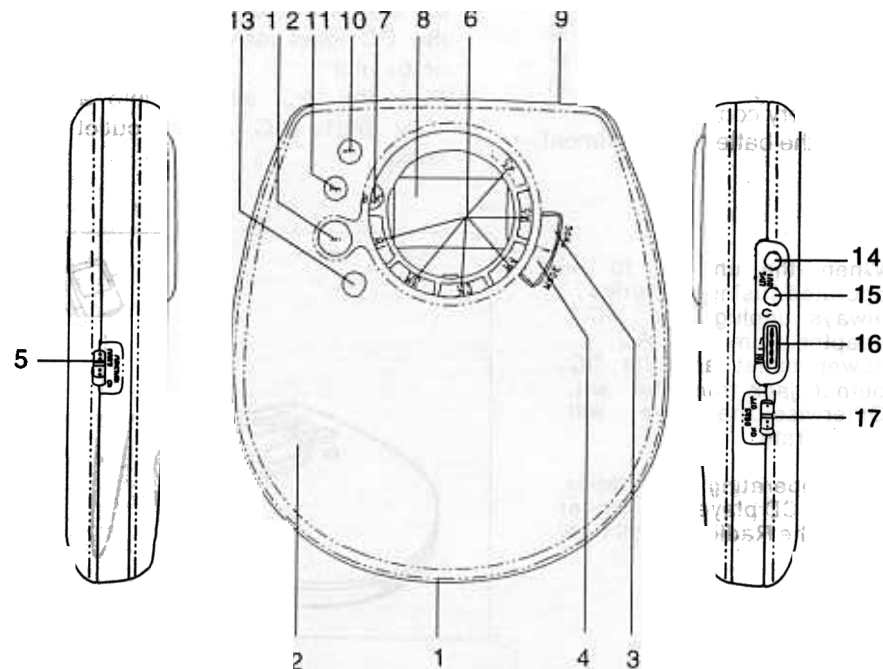
Cleaning the Disc

When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the centre out.



Note

Do not use solvents such as benzine petrol, thinner, commercially available cleaners or anti-static spray intended for analogue discs.



- | | |
|--------------------------------------|--------------------------------------|
| 1. CD DOOR OPEN SWITCH | 10. SEARCH (▶▶) & TUNING UP BUTTON |
| 2. CD COMPARTMENT LID | 11. SEARCH (◀◀) & TUNING DOWN BUTTON |
| 3. PROG. (PROGRAM) & MEMORY BUTTON | 12. PLAY / PAUSE & RADIO ON BUTTON |
| 4. MODE & FM STEREO / MONO BUTTON | 13. STOP & POWER OFF BUTTON |
| 5. FUNCTION (TUNER / CD) BUTTON | 14. LINE OUT JACK |
| 6. PRESET MEMORY & PLAY TRACK BUTTON | 15. HEADPHONE JACK |
| 7. BAND & ANTI-SKIP BUTTON | 16. VOLUME CONTROL KNOB |
| 8. LCD DISPLAY WINDOW | 17. DBBS (BASS BOOST) SWITCH |
| 9. DC 4.5V INPUT JACK | |

The cassette adaptor allows you to use your portable CD player with your car stereo cassette system or portable audio cassette system. (For MD5480CP only)

1. Position the cassette adaptor cord so the cord extends out from the cassette player when the cassette is inserted. Insert the cassette adaptor in the same direction as you would insert an audio cassette tape.
2. If the cassette adaptor cord is on the wrong side of the tape, reposition the cord to the opposite corner of the channel.
3. Insert the cassette adaptor stereo plug into the headphones jack on the CD player.
4. Turn on the cassette player. Press Play on the cassette player.
5. Press PLAY on the CD player.
6. Set the volume on the CD player to a mid-level. Adjust the volume of the cassette player.

NOTES :

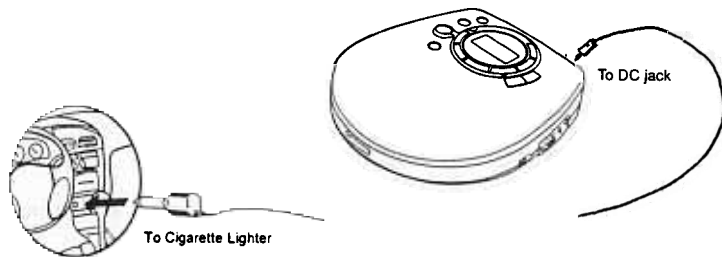
- The cassette adaptor has the play head on one side only. If you insert the cassette and no sound is heard, try tuning the cassette over or pressing the reverse button to change direction.
- The car cassette adaptor may not be compatible with all makes and models of cassette players

Use the Cigarette Lighter Adaptor for power when using the CD player in a car.

1. Plug the adaptor into the car cigarette lighter.
2. Plug the pin into the DC jack on the unit.

NOTES :

The supplied DC car adaptor/cord is designed for use with vehicles equipped with 12 volt negative ground electrical system only.



1. Set the Tuner / CD switch to CD.
2. Connect the headphones to the PHONES (GREEN) socket.
3. Slide the OPEN switch to open the CD compartment lid.
4. Set the VOLUME control to minimum.
5. Insert the disc with the label side facing up. Push down in the center until the disc is locked in place.
6. Close the lid securely until it clicks shut.
7. Press the PLAY button, the total number of tracks will be displayed and the disc will start playing.
8. Adjust volume level as required.

NOTE:

Press the buttons (M1-M5 or +M5) to select the desired CD track number during play. Directly use the M1-M5 button to play the first of five track numbers only.

For 6 to 10 or more, press the +M5 and M1 buttons once to select the desired track number 6.

e.g. Press (+M5) + M1 = track number 6

Press (+M5)+(M5)+M1= track number 11

Remove the Disc

Hold the edge and gently press the center pivot as illustrated, then pick up the disc.

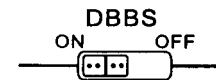
CAUTION:

Wait for disc to stop rotating before pressing the OPEN button.

AUTO power-off function (CD Mode only)

When the unit is stopped (standby mode) for approximately 1 minutes, the power is automatically turned off.

To Emphasize the bass sound
Set the BASS BOOST switch to the ON position.



Note The Bass Boost Performance will be dependant on the VOLUME control setting.




Turning Power on and off (CD Mode)

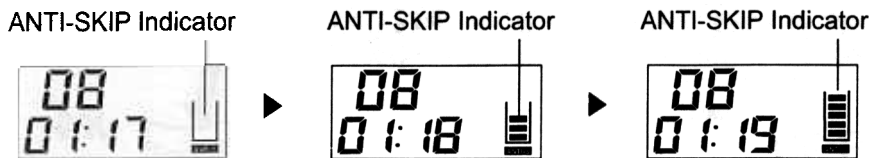
This unit has no ON/OFF switch for the CD section. To turn on and off, press the following buttons.

To turn on: Press ►►► PLAY/PAUSE button (playback starts)

To turn off: Press ■ STOP button two times against the power will turn off.

DIGITAL ANTI SHOCK OPERATION

This player incorporates the latest digital anti shock circuit, which prevents interruption of the sound output if the unit is subjected to shock or vibration during disc playback. The anti shock system will automatically start when a disc is played,  is shown in the display during start up and  when shows the data buffer is full and the anti shock system is it's most effective. If the anti shock function is not required then it can be switched off by pressing the ANTI-SKIP button until the symbol  disappears from the display.



The sound will mute for approximately 1 second while the buffer fills, once filled the buffer will give approximately 45 seconds of protection against interruption of sound output, if the player is subjected to shock of over 45 seconds duration some interruption of sound output will occur, this is normal and to be expected, the sound will resume once the player has stabilized from the shock.

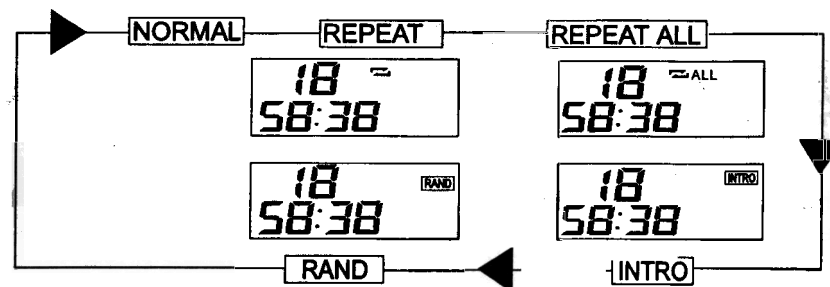
To turn this function off press the ANTI-SKIP button.

Notes:

1. When using the ANTI-SKIP function the battery power consumption increases because the disc rotates faster than normal and the dynamic memory is active.
2. Whilst the ANTI-SKIP function provides for continuous sound output when the unit is subjected to shock or vibration. It will not correct errors arising from the use of defective scratched or dirty discs.
3. When powering the player solely from batteries, only use the ANTI-SKIP function where necessary to preserve their life.

REPEAT AND PLAY MODES

Every time the CD MODE button is pressed. The corresponding mode appears in the display window.

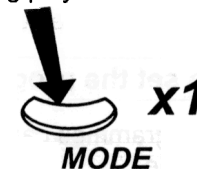


Show on the LCD display. The current track on the disc will be repeated.

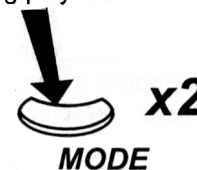


Show on the LCD display. All tracks on the disc will be repeated.

During playback



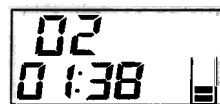
During playback



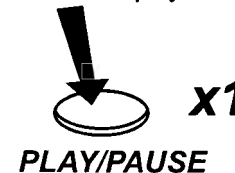
NOTE: In normal mode none of the above symbols show in the display.

NORMAL PLAYBACK

Play the whole disc.



Press once to play



INTRO SCAN AND PROGRAMMED TRACK PLAY

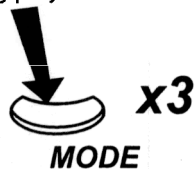
INTRO

Plays the first 10 second of each track on the disc.



When in the STOP mode press the MODE button three times and then press the PLAY/PAUSE button to start INTRO playback.

During playback



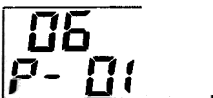
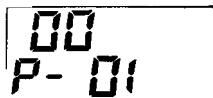
PROGRAMME

This allows selected tracks on the disc to be played in any desired order.

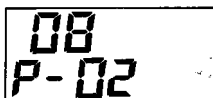
To set the programme play

* Programmes can only be set in the STOP mode.

1. Press the PROG button when the unit is in the stop mode.
* The track number and **PROG** indicator appear in the display.
2. Press **◀◀** or **▶▶** to select the desired track.
3. Press the PROG button to enter the track into memory.
4. Repeat step 2 and 3 to programme the order of more tracks up to 24 tracks can be programmed into memory.
5. Press **▶▶** to start the programmed play.
6. To erase the programme, simply press the **■** STOP button once.

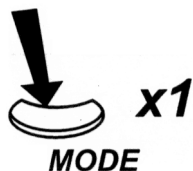


Track no. of the first desired selection



The second selection

During stop mode



RANDOM PLAY

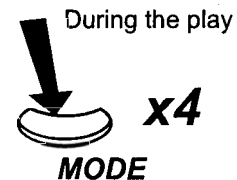
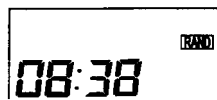
SHUFFLE

Enables all the tracks on a disc to be played in a Random (Shuffle) sequence.

When in the STOP mode press the MODE button four times and then press the PLAY/PAUSE button to start RANDOM playback.

For example : If "RAND" is selected while playing track 8, the random function will commence once track 8 has ended.

When all tracks on a disc have been played the player will automatically stop and power down in approx. 1 minutes to preserve battery life.



Press MODE button again to return to the NORMAL play mode.

SKIP AND SEARCH FUNCTIONS

Locating a Particular track

To skip back to the beginning of the current or a previous track	Press ◀◀ lightly and repeatedly.
To skip to the beginning of following tracks	Press ▶▶ lightly and repeatedly.

Locating a Particular Point in a track

To search back at a high speed	Keep ◀◀ depressed
To search forward at a high speed	Keep ▶▶ depressed

Low level audio will be heard during the search process to assist in locating correct point in the track.

When the ►► is pressed at initial start up

The display will briefly show as diagram then proceed to start playback.

To review the total number of tracks on the disc and total disc times, press the ■ STOP button once.

Note: The ANTI-SKIP function will start automatically. Once the PLAY button is pressed.



During PLAY mode

The track number and the elapsed playing Time are displayed.

Track no Elapsed time



This sixth track has elapsed 2 min 30sec.

During PAUSE mode

The track playback is paused, the elapsed time and track number is flashing.

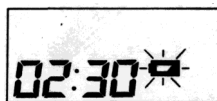


Note

When lid is opened during play mode "----" shows in the display is indicating the door still open.

Note

A flashing indication appears on the display when the batteries need to be changed.



1. Set the TUNER/CD switch to TUNER for RADIO mode, press RADIO ON (►►) key.
2. Press the BAND key to select AM or FM.
Note : To improve reception, rotate the unit in all directions until best reception is obtained (AM only).
3. Press the MODE button key to select FM MONO or FM STEREO (FM Band only).
4. To turn the radio off press RADIO OFF (■) key.

Stereo/Mono

When listening to a radio station broadcasting in FM stereo, press the MODE button to select STEREO mode. The STEREO indicator will show in the display. If the FM Stereo signal is weak, push the MODE button to select MONO mode (the station will be received in mono but the background noise will be reduced.) The stereo indicator will be off.

Aerial

AM : The unit is equipped with an internal rod aerial. For best reception, rotate the unit.

FM : The headphones cord acts as an aerial and must be fully extended for best reception.

Manual Tune

To manually tune to a station briefly, press the Tune up or down (◀◀ or ▶▶) buttons until the station is tuned in.

Automatic Tune

To Automatically tune to a station, press and hold either tune up or down (◀◀ or ▶▶) buttons. The unit will automatically tune to and stop at the first Station of sufficient signal strength.

MEMORIZING PRESET STATIONS

You can store up to 10 radio stations for each band into the memory. To memorize preset stations:

1. Set the function switch TUNER / CD to TUNER for RADIO mode.
2. Press the BAND button to select AM or FM.
3. Tune the desired station by pressing the Tuning UP/DOWN (◀◀ or ▶▶) buttons.
4. Press the MEMORY button. "PROG" indicator appear in the display.
5. Press the (M1-M5 or +M5) buttons to select the desired preset station number. To Recall preset stations 1 to 5 use the M1 -M 5 buttons, for 6 to 10 use the +M5 and M1 buttons to select No. 6 station etc.
6. Press the MEMORY button again to store the station in the required location.
7. Repeat step 3 to 6 until all desired stations are programmed into the memory.

Notes :

When a new, different station is preset, the previous preset station will be erased.

RECALLING PRESET STATIONS

1. Set the function switch TUNER/CD to TUNER for RADIO mode.
2. Press the PLAY/PAUSE button to turn on radio.
3. Press the BAND button to select AM or FM.
4. Press the (M1 -M5 or +M5) buttons to select the desired station number.

Battery Power Operation

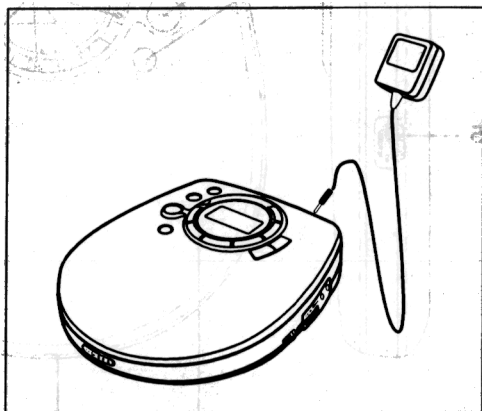
1. Open the battery compartment cover and insert two "AA" alkaline batteries inside the battery compartment. Follow the polarity as indicated in the battery compact.
2. Close the battery compartment cover.

Note :

1. When the unit is to be operated using batteries, always unplug the AC adaptor from the AC power outlet and the DC output jack from the set. Otherwise the player will not operate.
2. When operating on batteries and the CD player no longer plays, the Radio can still be used.

AC Operation

1. Insert the DC plug at the end of the AC adaptor cord into the DC input jack, on the rear of the unit.
2. Plug the AC adaptor into a 120V 60Hz AC power outlet socket.



HEADPHONE AND HI-FI CONNECTION

- **Listing with the Headphone**
Connect the plug of the stereo headphones into the (GREEN) ϕ socket.

- **Connecting to component audio systems**
Connect a stereo connection cable (not included) into the 3.5mm LINE OUT (BLACK) Socket of the unit and the CD / AUX inputs of an audio system.

Caution: Avoid excessive volume levels and listening to sound for a long period of time when using headphone, as this may impair your hearing.

Note: Always switch the power off before making any connections between the player and another unit.

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

TUNER AUDIO

AM Frequency	530 - 1720 KHz
FM Frequency	87.5 - 108 MHz
AM usable	92dB
FM usable	26dB
AM S/N	30dB
FM S/N	40dB

CD AUDIO

D/A conversion	16-bit DAC EIGHT times over sampling
Frequency response	20-20,000Hz (+1/-3 dB)
Anti-shock	45 seconds buffer
Wow and flutter	Below measurable limits
No. of channels	2 channels (stereo)
Output level	Line output : 0.6 Vrms (47 K Ω) Headphone: 16 mW (32 Ω)
Bass boost effect	6 dB

GENERAL

Power requirements	- 2 x LR6 " AA " size alkaline battery - DC in 4.5V jack accepts AC power adaptor (centre positive)
Power consumption	0.8W DC 3V (UNDER NORMAL CONDITION)
Dimension	Approx. 138 (W) x 30 (H) x 150 (D) mm
Weight	Approx. 376g excluding battery

Please read this manual thoroughly before operating your new CD player.

IMPORTANT NOTES

Avoid installing the unit in locations described below.

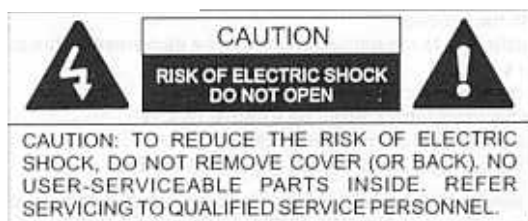
- Places exposed to direct sunlight or close to heat radiating appliances such as electric heaters.
- On top of other stereo equipment that radiates too much heat.
- Places lacking ventilation or dusty places.
- Places subject to constant vibration.
- Humid or moist places.

This product utilizes a laser.

Danger - Invisible laser radiation is present when unit is opened and interlock failed or defeated.

Caution - Use of the controls or adjustments of procedures other than those specified herein may result in hazardous radiation.

THIS LASER COMPACT DISC PLAYER FUNCTIONS BY HELP OF INVISIBLE LASER LIGHT AND IS EQUIPPED WITH SAFETY SWITCHES TO AVOID EXPOSURE WHEN DOOR IS OPEN AND SAFETY INTERLOCKS ARE DEFEATED. IT IS DANGEROUS TO DEFEAT OR BYPASS SAFETY SWITCHES.



DANGEROUS VOLTAGE

Uninsulated Dangerous Voltage, that may be of sufficient magnitude to constitute a risk of electric shock to persons is present within this product's enclosure.



ATTENTION

The Owner's Manual contains important operating and maintenance instructions. For your safety, it is necessary to refer to the manual.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

TROUBLE SHOOTING GUIDE

Should you experience difficulties in the use of this player please refer to the following chart before contacting your dealer or the place of purchase.

Troubleshooting Guide	
Problem	Points to Check
Player fails to function	Disc may be inserted upside down Disc not mounted correctly on chuck Dirty or defective disc Dirty pick up lens Player lid not closed Moisture/Condensation, allow player to warm up to room temperature for 60 minutes AC power to adaptor switched off Weak batteries Auto power off has occurred, press play button to restore power.
No sound from Headphones	Headphone plug is not firmly inserted into the Green Phones socket. Headphones have been inserted into the Black line output socket. CD/RADIO function switch incorrectly set.
No sound when played through an external amplifier	Connection is incorrect Power to external amplifier not switched on
Intermittent sound	Dirty or defective disc Dirty pick up lens Player is subject to excessive vibration or shock Low battery power Poor Headphone connection ESP not selected
Noise or sound distorted on AM or FM broadcast	Station not tuned properly Turn the unit for best reception (AM only)
No FM RADIO when played through an external amplifier	Ensure Headphone is plugged into the headphone socket.

CUSTOMER SERVICE 800-919-3647