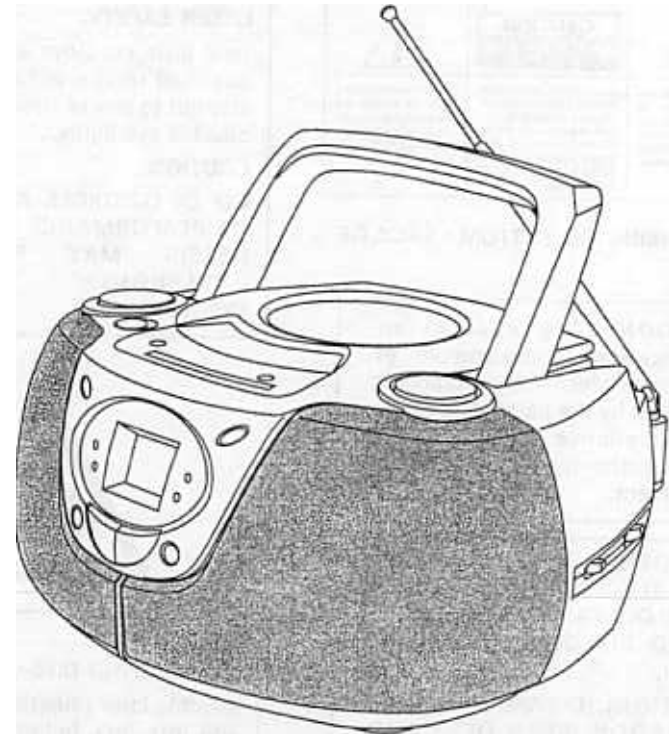


Memorex®

**PORTABLE CD PLAYER WITH
AM/FM STEREO RADIO**

MODEL: MP3110



Memcorp, Inc.
Weston, FL33331

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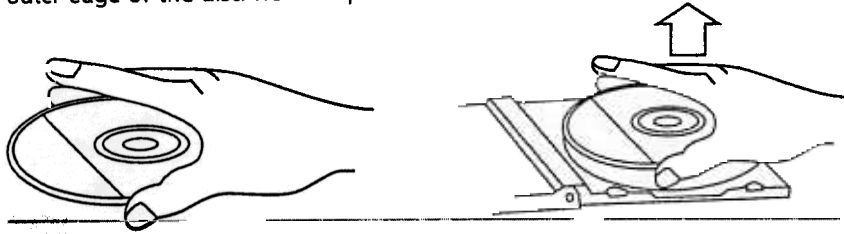
Visit our website at www.memorex.com

**BEFORE OPERATION THIS PRODUCT, PLEASE READ
THESE INSTRUCTIONS COMPLETELY**

CARE AND MAINTENANCE

COMPACT DISC CARE

- To remove a disc from its storage case, press down on the centre of the case and lift the disc out, holding it carefully by the edges.
- Treat the disc carefully. Handle the disc only by its edges. Never allow your fingers to come in contact with the shiny, imprinted side of the disc.
- Do not attach any tape, stickers, etc. to the disc label.
- Clean the disc periodically with a soft, lint-free, dry cloth. Never use detergents or abrasive cleaners to clean the disc. If necessary, use a CD cleaning kit.
- If a disc skips or gets stuck on a section of the disc, it is probably dirty or damaged (scratched).
- When cleaning the disc, wipe in straight lines from the center of the disc to the outer edge of the disc. Never wipe in circular motions.



CLEANING THE UNIT

- To prevent fire or shock hazard, disconnect your unit from the AC power source when cleaning.
- If the cabinet becomes dusty wipe it with a soft dry dust cloth. Do not use any wax or polish sprays on the cabinet.
- If the cabinet becomes dirty or smudged with fingerprints it may be cleaned with a soft cloth slightly dampened with a mild soap and water solution. Never use abrasive cloths or polishes as these will mar the finish of your unit.

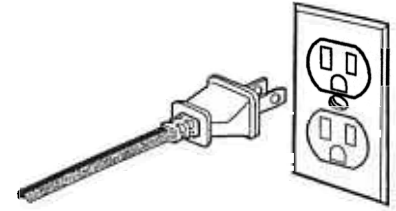


Caution:

Never allow any water or other liquids to get inside the unit while cleaning.

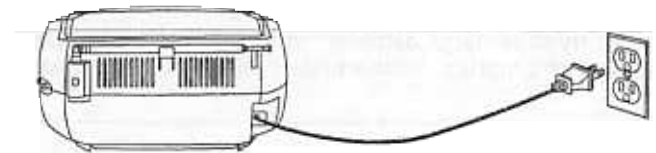
POWER SOURCE

This system is designed to operate on 120V 60Hz AC house current or 8 "C" cell batteries. Connecting this system to any other power supply could result in damage to the unit which is not covered by your warranty. You will note that this system is equipped with a polarized AC power plug having one blade wider than the other. This is a safety feature. If this plug does not fit into your existing AC outlet, do not try to defeat this safety feature by filing the wide blade to make it fit into your outlet. If this plug will not fit into your outlet, you probably have an outdated non-polarized AC outlet. You should have your outlet changed by a qualified licensed electrician.



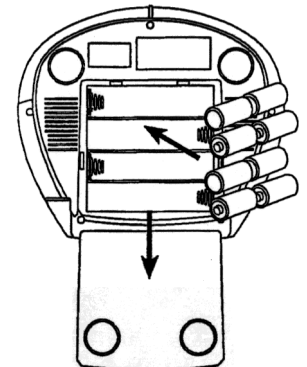
AC OPERATION

1. Unwind the AC Power Cord completely.
2. Insert the smaller end of the cord into the AC Cord Socket on the back cabinet.
3. Insert the plug into any convenient 120V 60Hz AC outlet.



BATTERY OPERATION

1. Remove the Battery Compartment Cover by pressing down on the arrow marks and sliding the cover downwards.
2. Insert eight (8) fresh "C" batteries into the battery compartment. Be sure to follow the polarity (+/-) markings inside the compartment. If the batteries are inserted incorrectly the unit will not work.
3. Replace the Battery Compartment Cover.



SPECIFICATION:

POWER SOURCE:

AC	120V - 60Hz
Batteries	8 x C cells (LR 14 or Equivalent)

RADIO FREQUENCY COVERAGE:

FM	: 88 - 108 MHz
AM	: 530 - 1710 kHz


GENERAL:

Speaker	8 ohms
Power Output	1.6 Watt at 10% T.H.D. per Channel

CD PLAYER:

Pick up	3-Beam. Semiconductor laser
Encoding	1 Bit Linear 8 x Oversampling

IMPORTANT SAFEGUARDS

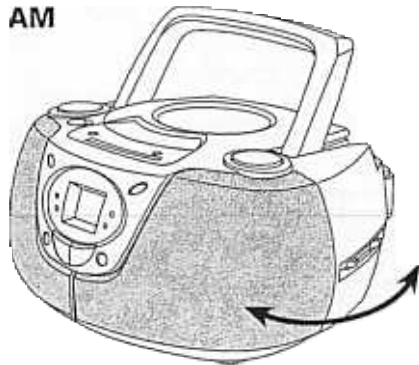
1. Read Instructions - All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Water and Moisture - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.
6. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn. 
7. Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. Power Sources - The appliances should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
10. Grounding or Polarization - This product is equipped with a polarized alternating-current line plug (a plug having a blade wider than the other). This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
11. Power Cord Protection - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the points where they exit from the appliance.
12. Cleaning - The appliance should be cleaned only as recommended by the manufacturer.
13. Power Lines - An outdoor antenna should be located away from power lines.
14. Non-use Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OPERATING INSTRUCTIONS

LISTENING TO RADIO

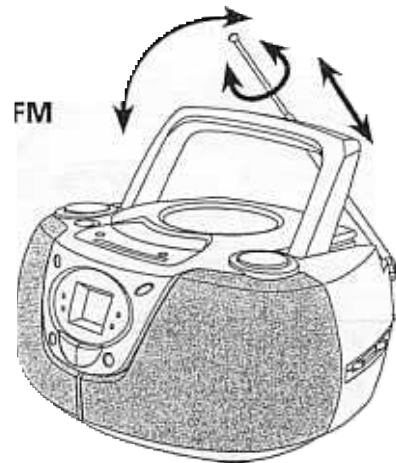
1. Extend the telescoping FM antenna to its full length.
2. Set the FUNCTION Selector to "AM" or "FM ST". The PWR 'On' indicator will light.
3. Use the TUNING Control to locate the desired station. If the FUNCTION Selector is set to "FM ST" and the FM station is broadcasting in stereo, the FM Stereo LED indicator will light.
4. Use the VOLUME Control to adjust the volume to the desired level.
5. When you are finished listening set the FUNCTION Selector to the "OFF" position. The PWR "ON" Indicator goes Off.

HINTS FOR BETTER RECEPTION



AM-The AM antenna is located inside the cabinet. If AM reception is weak, try turning the entire unit until the AM antenna is pointing in the direction of the broadcast transmitter.

FM-Change the direction of the telescoping FM antenna until you find the best reception.



BASS BOOST BUTTON

This special circuit provides increased Bass Response, especially at lower volume levels where the bass has a tendency to disappear. Set the BASS BOOST button to "ON" (■) to increase the bass. Set the BASS BOOST button to "OFF" (■) for normal bass response.

Note: If you have the BASS BOOST circuit "ON" at high volume and you are listening to music that contains very strong bass, you may experience some distortion. If this occurs, reduce the volume or switch the BASS BOOST button "OFF".

LISTENING TO A CD

NORMAL PLAYBACK

1. Set the FUNCTION Selector to "CD". The PWR "ON" indicator will light.
2. Open the CD Compartment Door and place a CD on the center spindle with the printed label side facing "UP".
3. Close the CD door. The disc will spin momentarily and "—" will appear in the display. Then the disc will stop spinning and the display will show the total tracks on the disc.
4. Press the PLAY/PAUSE (▶||) button to begin playback. The PLAY LED Indicator lights and playback begins on track 1.
5. Adjust the VOLUME and BASS BOOST controls as desired.
6. Playback continues until all tracks have been played, then the disc stops and the display again shows the total number of tracks on the disc. You may also stop the disc at any time by pressing the STOP (■) button.
7. Open the CD door, remove your disc from the player, and set the FUNCTION Selector to "OFF" position.

PAUSE CONTROL

The Pause Control allows you to pause playback of a disc temporarily, and then resume playback at exactly the same point. Press the PLAY/PAUSE (▶||) button during playback to activate the Pause control. The PLAY LED indicator flashes. The sound stops but the disc continues to spin. Press the PLAY/PAUSE (▶||) button again to cancel Pause and resume normal playback. The PLAY LED indicator stops flashing.

NOTE: Remember that the disc continues to spin in the Pause mode even though no sound is heard. Don't forget to release the Pause mode to prevent excessive wear on the motor, and to save your batteries.

SKIP/SEARCH (◀◀ / ▶▶) BUTTONS

Press the Skip/Search (▶▶) FWD (Forward) button once during playback to skip to the beginning of the next track. Continue to press this button to skip forward to higher numbered tracks until you reach the desired track.

Press the Skip/Search (⏮) REV (Reverse) button once during playback to skip to the beginning of the current track. Press twice to skip back to the beginning of the previous track. Continue to press this button to skip backward to lower numbered tracks until you reach the desired track.

Hold the Skip/Search (⏭) FWD or (⏮) REV buttons during the playback to rapidly search forward or backward through the disc to locate a specific passage within a track that you wish to bypass or to hear again.

High speed search continues as long as the Skip/Search (⏮) / (⏭) buttons are depressed. Normal playback resumes when the Skip/Search (⏮) / (⏭) buttons are released.

NOTE: During high speed music search the playback volume is automatically reduced. To begin playback of a disc on a specific track, wait until the player reads the disc and displays the total track number, then press the Skip/Search (⏭) FWD or (⏮) REV buttons repeatedly until the desired track number is on the display.

Press the PLAY/PAUSE (⏩) button to begin playback on that track.

REPEAT PLAYBACK

This function allows you to repeat either a single track or the entire disc continuously. To repeat a single track, select the track you wish to repeat and begin playback on that track. Then press the REPEAT button once. The RPT LED indicator flashes and the selected track will be repeated continuously until you cancel the Repeat function or press the STOP (■) button.

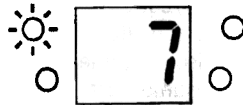
To repeat the entire disc, press the REPEAT button twice. The RPT LED indicator stays "On". Then press the PLAY/PAUSE (⏩) button to begin playback if necessary. The entire disc will be repeated continuously.

To cancel Repeat Playback, press the REPEAT button until the RPT LED indicator goes "Off". Repeat can also be cancelled by opening the CD door.

PROGRAMMED PLAYBACK

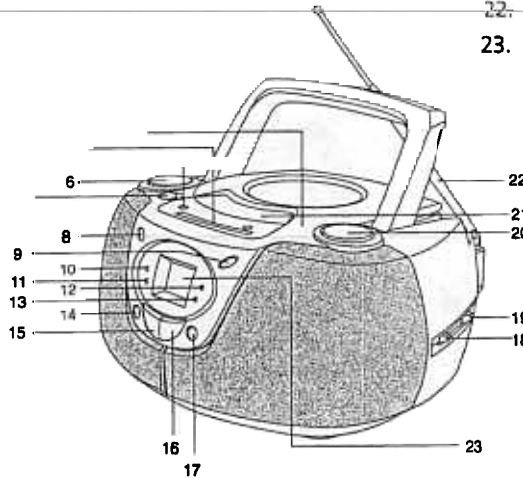
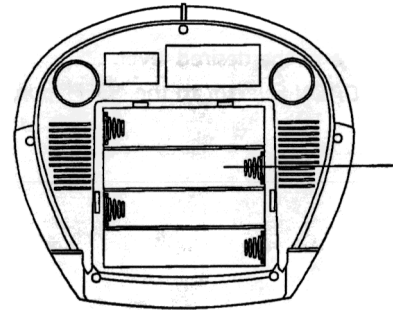
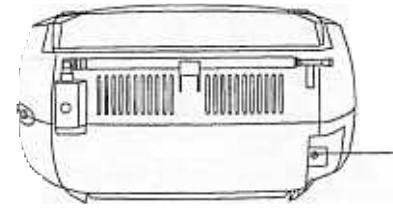
The CD Player in this unit has a 32 track programmable memory which allows you to program up to 32 tracks on any disc to playback in any desired order. To program tracks for playback the player must be in Stop mode. If the disc is playing, press the STOP (■) button to stop playback and then proceed as follows:

1. Press the PROGRAM button once, the PGM LED indicator begin to flash.
2. Use the Skip/Search (⏭) FWD or (⏮) REV buttons to select the first track to be programmed. Example: Track 7.
3. Press the PROGRAM button again. This will store track 7 into program memory number 1. The PGM LED indicators flashing again.
4. Repeat steps (2.) and (3.) until you have programmed up to a maximum of tracks into the program memory.



PARTS DESCRIPTION

1. AC Socket
2. Battery Compartment
3. CD Door Open/Close Button
4. Dial Scale
5. Stereo Indicator
6. Volume Knob
7. Bass Boost Button
8. Program Button
9. Repeat Button
10. Program Indicator
11. Power Indicator
12. Repeat Indicator
13. Play Indicator
14. REV Skip ⏮ Button
15. Stop ■ Button
16. Play/Pause ⏩ Button
17. FWD Skip ⏭ Button
18. Power Switch (ON/OFF)
19. Function Switch (CD/FM.ST./AM)
20. Tuning Knob
21. CD Lens
22. FM Antenna
23. LED Display



EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE

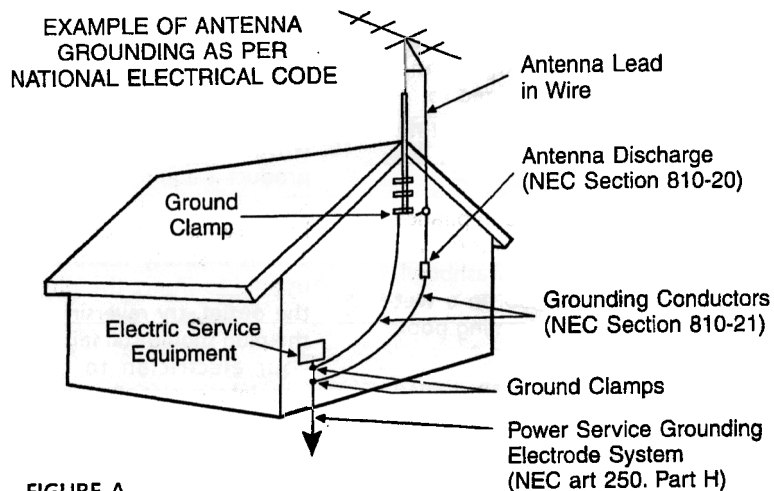


FIGURE A

15. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
16. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:
 - a. The power supply cord or the plug has been damaged; or
 - b. Objects have fallen, or liquid has been spilled into the appliance; or
 - c. The appliance has been exposed to rain; or
 - d. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - e. The appliance has been dropped, or the enclosure damaged.
17. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
18. Outdoor Antenna Grounding - If an outside antenna is connected to the receiver, be sure the antenna system is the National Electrical Code, ANSI/NFPA No. 70 - 1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.
19. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

TROUBLESHOOTING GUIDE

SHOULD THIS UNIT EXHIBIT A PROBLEM, CHECK THE FOLLOWING BEFORE SEEKING SERVICE.

Symptom	Possible Cause	Solution
Radio		
Noise or sound distorted on AM or FM broadcasts.	Station not tuned properly for AM or FM.	Retune the AM or FM broadcast station.
	FM: Rod antenna is not extended.	Extend FM Rod antenna.
	AM: The bar antenna is not positioned correctly.	Reposition the unit until best reception is obtained.
FM STEREO indicator does not light.	You have tuned to a mono station.	Select another FM station.
AM or FM, no sound.	Function switch is not set to AM or FM.	Set Function switch to AM or FM.
	Volume at minimum.	Increase Volume.
Compact Disc Player		
CD Player will not play.	Function switch is not set to CD.	Set Function Switch to CD.
	CD is not installed or installed incorrectly.	Insert CD with label side up.
CD skips while playing.	Disc is dirty or scratched.	Wipe disc with cloth or use another disc.

IMPORTANT INFORMATION

- Playing CD's at higher volume levels increase the battery drain and shortens the battery life. Try to use AC power whenever it is available.
- You must remove the AC Power Cord from the AC Cord Socket on the back cabinet in order to operate the unit on batteries.
- We recommend using alkaline batteries for the longest possible life.
- Change the batteries when the outlet of the unit becomes weak or the sound becomes distorted. Always change all eight (8) batteries at the same time.
- If the unit will be stored and not used for 30 days or more it is recommended to remove the batteries from the Battery Compartment to reduce the possibility of damage from battery leakage or corrosion.

BATTERY PRECAUTIONS

Follow these precautions when using batteries in this device.

1. Use only the size and type of batteries in this device:
2. Be sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. Reversed batteries may cause damage to the device.
3. Do not mix different types of batteries together (e.g. Alkaline and Carbon-Zinc) or old batteries with fresh ones.
4. If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
5. Do not try to recharge batteries not intended to be recharged; they can overheat and rupture. (Follow battery manufacturer's directions.)

5. To begin Programmed Playback press the PLAY/PAUSE (▶||) button. The PGM (Program) LED Indicator stops flashing and remains on. The player will begin to play the tracks in the order that you selected.

NOTES:

- Pressing the STOP (■) button during Programmed Playback will stop playback but the Programmed tracks are still in memory.
- Press PLAY/PAUSE (▶||) button to continue Programmed Playback.
- To cancel Programmed Playback, press the STOP (■) button when in Stop mode.
- Programmed Playback can also be cancelled by opening the CD door, setting the FUNCTION Selector to the "OFF" position, or by disconnecting the AC Power cord.
- When 32 tracks have been entered, the CD memory is full, the "Fu" will appear in the display.
- To check the program order, press the PROGRAM button once more. The display will show each track number in the order that they were programmed.

Dear Customer,

Please read this manual thoroughly before operating the unit so that you will be informed of all the features and control operations. Also keep these instructions handy for future reference.



LIMITED WARRANTY AUDIO

We at Memorex believe you will be pleased with your new product. Please read this Warranty Carefully. Memorex warrants this product to be free from manufacturing defects including original parts and workmanship for a period of ninety (90) days from the date of original purchase 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.

- Repair service for ninety (90) days from date of original purchase at no charge for labor and parts at their authorized warranty service facility, providing the manufacturing defect is verified along with the date of purchase.
- Replacement of defective unit with either a new, refurbished, or equivalent model at no charge for ninety (90) days from 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 retails.
- 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 manufactures.

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) Signal reception problems caused by external factors.
- E) Products not purchased in the United States.
- F) Damage to the products used outside the United States.
- G) Damage to audiocassette tapes.
- H) Damage to Compact Discs.

In the event that service is required under this warranty, please contact CUSTOMER SERVICE at 1-800-919-3647 or contact website at www.memorex.com

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 THEREAFTER. MEMOREX MAKES NO WARRANTY AS TO THE FITNESS OF THE PRODUCT FOR ANY PARTICULAR PURPOSE OR USE.

THE EXTENT OF MEMOREX'S LIABILITY UNDER THIS LIMITED WARRANTY IS THE REPAIR OR REPLACEMENT PROVIDED ABOVE AT THE SOLE DISCRETION OR MEMOREX. IN NO EVENT SHALL MEMOREX'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY THE 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.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK. DO NOT EXPOSE THE APPLIANCE TO RAIN OR MOISTURE.



SEE MARKING ON BOTTOM / BACK OF PRODUCT

CAUTION: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

LASER SAFETY:

This unit employs a laser. Only qualified service personnel should attempt to service this device due to possible eye injury.

CAUTION:

USE OF CONTROLS, ADJUSTMENTS OR PERFORMANCE PROCEDURE HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.



CAUTION:

FOR COMPACT DISC UNIT ONLY
Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to laser beam.

FCC INFORMATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.