

# **Memorex®**

PERSONAL COMPACT DISC PLAYER  
WITH 40-SECOND DIGITAL  
ANTI SKIP PROTECTION

MODEL # MD6440cp

BEFORE OPERATING THIS PRODUCT PLEASE  
READ THESE INSTRUCTIONS COMPLETELY



OPERATING INSTRUCTIONS

ROHM IC MANUAL COVER

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## WARNINGS

TO REVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



This product utilizes a Class 1 laser to read Compact Discs. This laser Compact Disc Player is equipped with safety switches to avoid exposure when the CD door is open and the safety interlocks are defeated. Invisible laser radiation is present when the CD Player's lid is open and the system's interlock has failed or been defeated. It is very important that you avoid direct exposure to the laser beam at all times. Please do not attempt to defeat or bypass the safety switches.

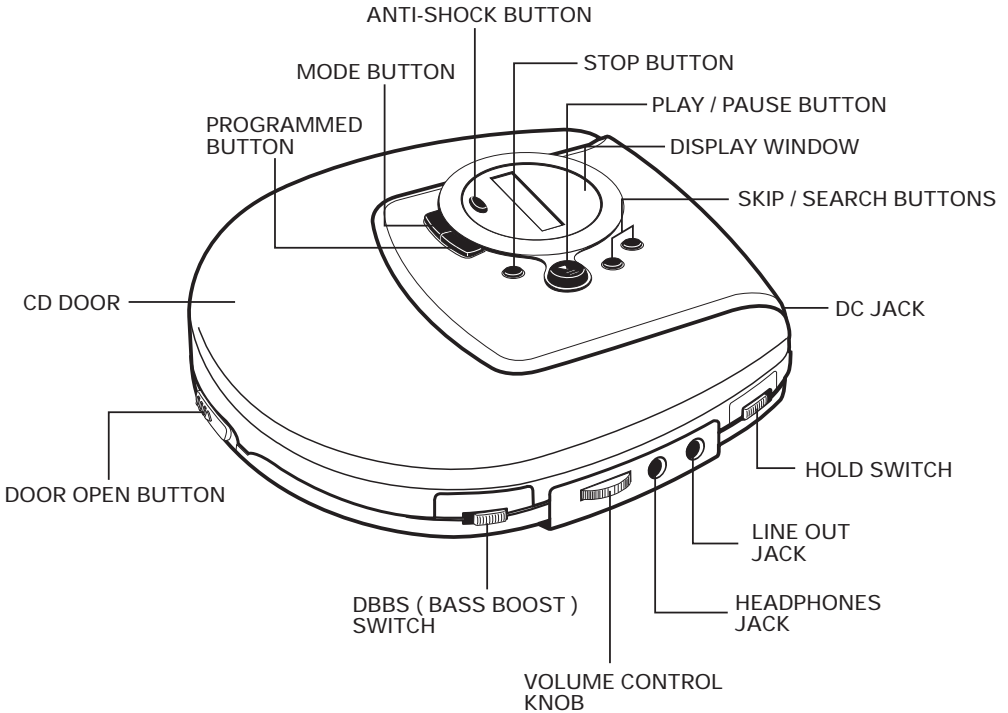
Any use of the controls or an adjustment to the procedures other than those specified herein may result in hazardous radiation.

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). THERE ARE NO USER-SERVICEABLE PARTS INSIDE. PLEASE REFER ANY SERVICING TO QUALIFIED SERVICE PERSONNEL.

## PRECAUTIONS

- Do not open the CD compartment while the CD is rotating.
- Always keep the CD compartment closed when not in use.
- Keep all foreign objects out of the CD compartment.
- If TV or radio interference occurs during operation, move the unit to a different location within the room or building.
- Place the unit on a stable surface. A vibration or shock to the unit can cause the CD mechanism to mistrack or skip. If operating the unit under circumstances which may subject the unit to these conditions, utilize the digital Anti-shock. See page 11.
- Playing some CD's at high volume can cause vibration leading to mistracking. In this case, lower the volume or relocate the speakers further away from the unit.
- Avoid installing the unit in the locations described below:
  - Where it will be in direct contact with water.
  - Where it will be in direct contact with a magnet.
  - Places exposed to direct sunlight or close to heat radiating appliances such as electric heaters.
  - On top of stereo equipment that radiates too much heat.
  - Places lacking ventilation or dusty places.
  - Places subject to constant vibration.
  - Humid or moist places.

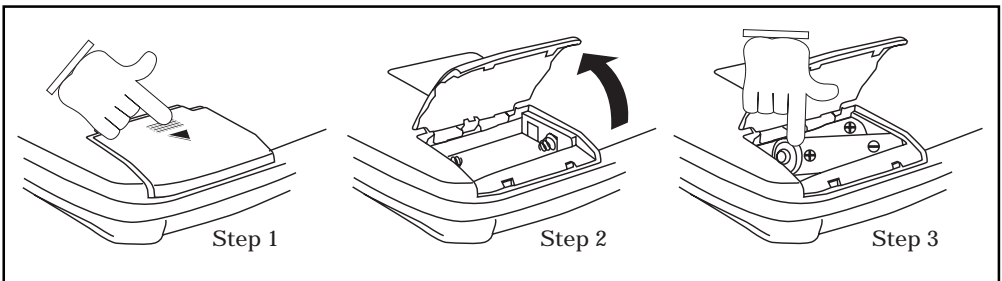
# LOCATION OF CONTROLS



# POWER SOURCES


## Using Battery

1. Open the lid of the battery compartment.
2. Insert 2 "AA" Size (UM-3) batteries by matching the ( + and - ) to the diagram inside the battery compartment and close the lid.



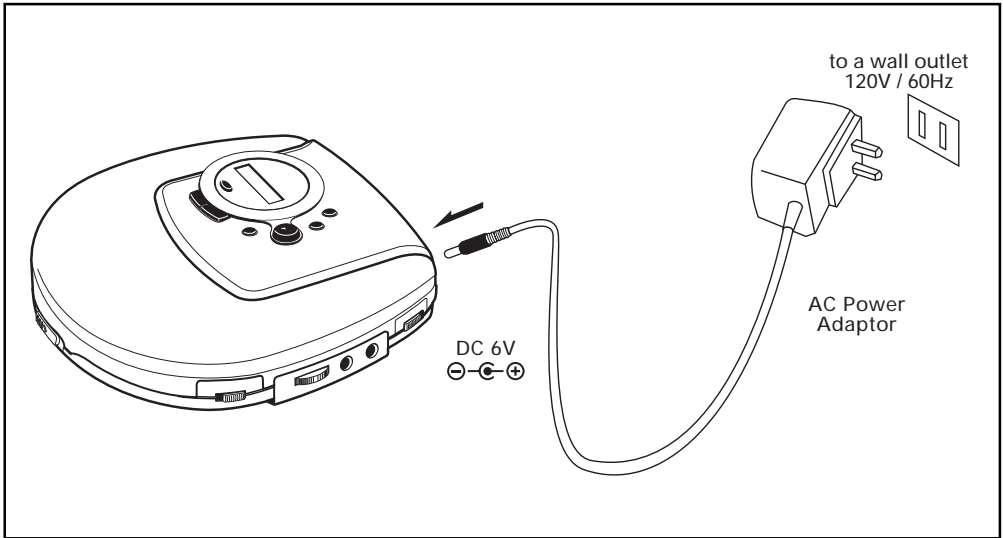
Note: For battery operation the AC power adaptor must be disconnected from DC IN jack.

## When to Change the Battery

When the battery is used up, "  " indicator flashes in the LCD display. Replace all the batteries with new batteries.

## Using on the AC Power Adaptor

Use only the supplied AC power adaptor.



## HEADPHONE AND HI-FI CONNECTION

### Listening with the Headphones

Connect the plug of the stereo headphones (included) or earphones (not included) into the PHONES (GREEN) socket.

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

### Connecting to component audio systems

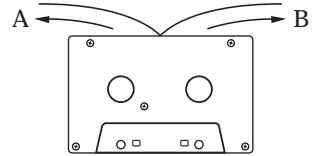
Connect the patch cord ( Not Included ) into the LINE OUT ( BLACK ) socket of the unit and the CD / AUX inputs of an audio system.

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

# CAR KIT OPERATIONS

The cassette adaptor allows you to use your portable CD player with your car stereo cassette system or portable audio cassette system.

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 left side of 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 of the CD player to a mid-level. Adjust the volume of the cassette player.



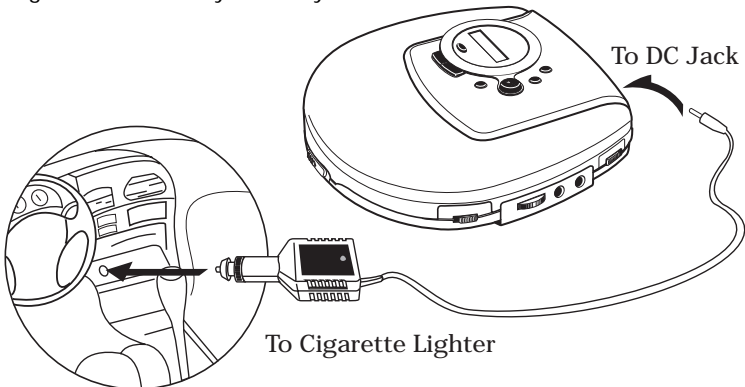
- Notes:
- The cassette adaptor has the play head on one side only. If you insert the cassette and no sound is heard, try turning the cassette over or pressing the reverse button to change direction.
  - The car cassette adaptor may not be compatible with all makes and models of cassette players.



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

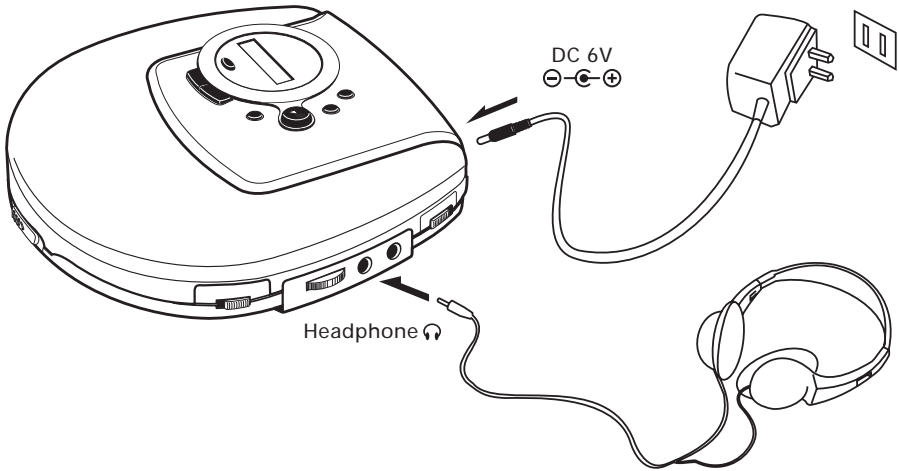
1. Plug the adaptor into the car cigarette lighter.
2. Plug the pin into the DC jack on the unit.

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



# PLAYING A CD IMMEDIATELY

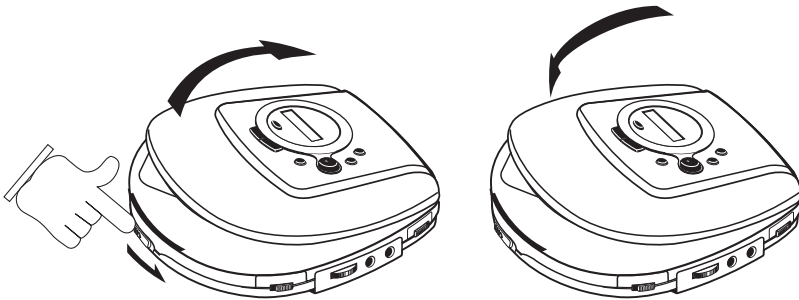
## 1. Connect



### Note

1. Refer to "Power Sources" for details on using with batteries.
2. Connect the headphones firmly. A loose connection may cause static noise during playback.

## 2. Insert a CD



1. Press OPEN button and open the lid.
2. Place the CD firmly on the pivot and close the CD door.

## CD PLAYBACK

1. Connect the earphones (included) or optional headphones into the Phones jack.
2. Press the Door Open button to open the CD compartment door.
3. Insert a disc with the label side facing up.
4. Close the CD compartment door until a click is heard.
5. Set the VOLUME control to minimum.
6. Press the PLAY/PAUSE (▶||) button, the unit power will turn on automatically and starts playback. The total number of tracks and playing time appears on the display. During playback, the track number and the elapsed playing time will be displayed.
7. Adjust the VOLUME control to your desired listening level.
8. To stop playback temporarily, press the PLAY/PAUSE (▶||) button once. The elapsed time and track number will flash on the display. Press the PLAY/PAUSE (▶||) button again to resume playback.
9. To stop playback, press the STOP button once.
10. To turn the unit off, press the STOP twice.

### Notes :

- When the CD door is accidentally opened during playback, " - - " will appear on the display.
- Wait until the disc is fully stopped before pressing the OPEN button.
- This unit can play 3" (8cm) single CDs without an adaptor.

## LOCATING A PARTICULAR TRACK OR POINT OF THE TRACK

1. Press the BACKWARD (◀◀) button once to go back to the beginning of the current track.
2. Press the BACKWARD (◀◀) button repeatedly to go back to previous tracks.
3. Press the FORWARD (▶▶) button repeatedly to go to next tracks.
4. Press and hold either FORWARD (▶▶) or BACKWARD (◀◀) button to search backwards or forwards, at high speed, a particular point of track.

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

## REPEAT PLAYBACK

1. To repeat the same track, press the MODE button once. The REPEAT 1 indicator (↻1) will appear on the display
2. To repeat the entire CD, Press the MODE button twice. The REPEAT ALL indicator (↻ALL) will appear on the display.
3. To cancel the repeat mode, simply press the MODE button repeatedly until the REPEAT indicator disappear from the display.

## RANDOM PLAY (SHUFFLE)

1. Press the MODE button 4 times to enter the Random mode, "SHUFF" appears on the display.
2. Press the PLAY/PAUSE button, CD will start playback in randomly order.

Note : If the SHUFFLE mode is selected during the playback, the function will commence once the current track is ended.

3. Press the MODE button again to return to the Normal Playback mode.

## INTRO

1. Press the MODE button 3 times to enter the intro mode, "INTRO" appears on the display.
2. Press the PLAY/PAUSE button, CD will play the first 10 seconds of each track on the CD.

## SPECIAL FUNCTIONS

### Dynamic Bass Boost

Set the BASS BOOST switch to "ON" position to enjoy a more powerful bass sound.

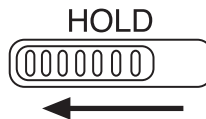
Note : Since Bass Boost performance will change depending on the volume level, sound maybe distorted due to high volume is set. Lower the volume level until the sound quality is improved.

### Hold function

The HOLD switch disables the buttons from operating to prevent play from starting or stopping due to accidental operation. For normal use, leave the switch in the off position.

To prevent battery drain :

Set the HOLD switch to the on position when carrying the unit in a bag. The PLAY/PAUSE button will not function even if the button is pressed accidentally.



To prevent play from being interrupted :

Set the HOLD switch to the on position after starting play. "HOLD" appears.

If the operating buttons do not function when pressed....

1. Check whether the HOLD switch is on or not.
2. Remove the batteries and/or disconnect the AC adaptor from the unit. Wait a few seconds, then reinstall the batteries or reconnect the AC adaptor.
3. If the buttons still do not function, insert new batteries.

### Anti-shock Function

- If in use, the player is likely to receive shocks or vibrations (i.e. whilst walking or in a moving vehicle), press the ANTI-SHOCK button to provide uninterrupted playback.
- When the button is pressed, the display will show ( □ ) and the function is initialised. When ( ■ ) appears on the display, the data buffer is full.
- Should be player receive continuously, the sound can mute for a very short while and will resume once the player has stabilised from the shock.

Note :

- When using the Anti-shock function, the disc will rotate faster than normal playback and memory is active. Only use the ANTI-SHOCK function when necessary to preserve the battery life.
- The Anti-shock function will not correct the errors arising from the use of defective scratched or dirty discs.



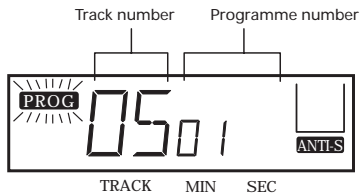
# PROGRAMMED PLAY

Up to 20 tracks on a disc can be programmed for play any order.

1. Press the PROG button during stop.



2. Press the ►| or |◄ SKIP/SEARCH button to select a track.



3. Press the PROG button.



4. Repeat steps 2 and 3 to programme tracks.

5. To check the programme contents after all tracks have been programmed, press the PROG button repeatedly. The programmed track numbers sequentially appear on the display.

6. Press the PLAY/PAUSE button to start programmed play.



- To cancel programmed play, press the STOP button twice.

# MAINTENANCE

## Cleaning the Cabinet

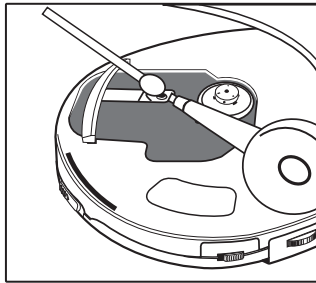
Wipe with a soft cloth. If the cabinet is very dirty, dampen the cloth with a weak solution of neutral detergent and water, and then wipe clean.

## 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.



### Fingerprints

If the lens does not get clean using brush / blower, use a cotton swab starting in the middle and working to the outside edge.

## 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 benzene, thinner, commercially available cleaners or anti-static spray intended for analog discs.

# PRODUCT SPECIFICATIONS

## AUDIO

D / A conversion	1-BIT DAC eight times oversampling
Frequency response	20 - 20,000Hz ( +1 / -3 dB )
Anti shock	40 seconds buffer
Wow and flutter	Below measurable limits
No. of channels	2 channels ( stereo )
Output level	Line output : 0.6 Vrms ( 47 k $\Omega$ ) Headphone : 15mW ( 32 $\Omega$ )
Bass boost effect ( 100 Hz )	+6dB

## 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 $\mu$ W
Error correction	Cross-interleave Reed-solomon code

## GENERAL

Power requirements	<ul style="list-style-type: none"> <li>• 2 x LR6 "AA" battery</li> <li>• DC in 6V jack accepts AC power adaptor ( centre positive )</li> </ul>
Power consumption	0.8W ( DC 3V ) Under normal condition
Dimension	Approx. 134 (W) x 30 (H) x 146 (D) mm
Weight	Approx. 250g not including battery

# GENERAL INFORMATION

## Troubleshooting Guide CUSTOMER SERVICE : 1-800-919-3647

SYMPTOM	CAUSE	SOLUTION
CD Player will not turn on	Dead or weak batteries	Replace batteries
	AC adaptor not connected properly	Check AC adaptor connection
Disc will not play	Disc inserted incorrectly	Reinsert disc with label side facing up
	Defective compact disc	Try another compact disc
	CD compartment not closed	Close lid securely
	Moisture has formed inside the CD deck	Take out the CD and leave the CD compartment door open for about an hour to dry moisture condensation
No sound from headphones	Headphone plug not inserted properly	Reinsert headphone cord into Headphones jack
	Volume control set to minimum	Increase the volume
	Weak batteries	Replace with fresh batteries, or use AC power
	Defective compact disc	Try another compact disc
Sound is skipping	The compact disc or pickup lens is dirty	Clean or replace the compact disc or clean the pickup lens
	Strong vibrations	Place the CD Player on a level surface that is stable ( no vibrations )



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 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.

- 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:

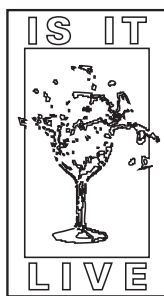
- A) Cost incurred in the shipping of the product to and from the Memorex authorized repair facility listed.
- B) Damage or improper operation caused by the failure to follow the operating instructions provided with the product.
- C) Routine adjustments to the product which can be performed by the customer 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.

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