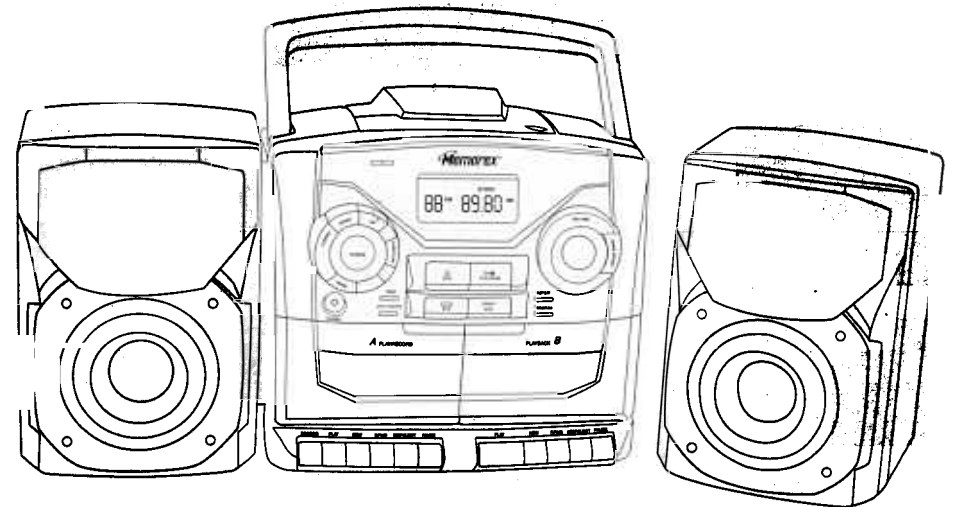


# **Memorex®**

**PORTABLE DIGITAL STEREO AM/FM  
CD PLAYER DUAL CASSETTE  
WITH DETACHABLE SPEAKERS  
AND REMOTE CONTROL**

***MODEL: MP4321***





**PLEASE READ BEFORE OPERATING THIS EQUIPMENT**

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.

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

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN	
<b>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</b>		

**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.**

#### Explanation of Graphic Symbols:



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



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

**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.**

## MODE OPERATION

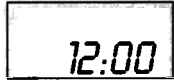
Pressing the MODE button will change the display on the panel.

	Press the MODE button			
	1 time	2 times	3 times	4 times
CD mode (During Play)	Play time → Remain time	Remaining time → Clock	Clock → Timer ON	Timer ON → Timer OFF
CD mode (During Stop)	All time → Clock	Clock → Timer ON	Timer ON → Timer OFF	
Radio mode	Frequency → Clock	Clock → Timer ON	Timer ON → Timer OFF	
	Clock → Timer ON	Timer ON → Timer OFF		
	Clock → Timer ON	Timer ON → Timer OFF		

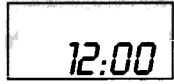
## TIMER OPERATION

Your unit can be set to turn on and off at predetermined hours. To set the on and off time proceed as follows:

1. Press the STANDBY/ON button to turn on the unit, select CD/Tape/Tuner, and select volume position up and down, then turn off the unit.
2. Press the MODE button and the TIMER ON indicator flashes.



3. Press MEMORY button on the unit and the hour position flashes.
4. Press SKIP buttons to adjust the hour.
5. Press MEMORY button and the minute position flashes.
6. Press SKIP buttons to adjust the minute.
7. Press MEMORY button to complete Timer On setting.
8. Press MODE button again. The TIMER OFF indicator flashes.



9. Press MEMORY button and adjust the hour by pressing the SKIP buttons.
10. Press MEMORY button and the minute position flashes.
11. Adjust the minute by pressing the SKIP buttons.
12. Press MEMORY button to complete the Timer OFF setting.
13. Press MODE button to complete the timer setting.
14. Press TIMER button to activate the timer function (Timer will on LCD Display).

## COMPACT DISC OPERATIONS

### PLAYING A CD

1. Press the STANDBY/ON button to turn on the unit.
2. Press the OPEN button to open the CD door.
3. Load a CD, with label side upward, inside the CD compartment and close the CD door.
4. Press CD button to operate the unit in CD mode.
5. After a few seconds, the local number of tracks on the CD will appear in the Multifunction Display.
6. Press the PLAY button (▶) to start playing the CD.

#### TO:

Stop play  
Pause play  
Resume play after pause  
Scan forward and backward  
Skip tracks

#### PRESS:

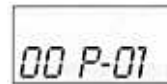
■ STOP  
▶ / || PLAY/PAUSE  
▶ / || PLAY/PAUSE  
and hold SCAN  
◀◀ / ▶▶ SKIP button or,  
Numeral button or,  
OVER button + Numeral buttons  
(Please see the note)  
REPEAT  
REPEAT twice (Blinks)  
▲ / ▼ VOLUME

Repeat all tracks  
Repeat current track  
Control the volume

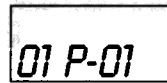
Note: Press OVER button followed by a Numeral button (1-9) to directly access a track number over 10.

### BASS BOOST

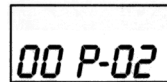
To emphasize the bass sound, press the BASS BOOST button on the unit.



Press PROGRAM button



Press SCAN button



Press PROGRAM button again

### PROGRAMMING CD TRACKS

With this function you can program 20 titles in the order you desire.

1. Power on the unit and insert the CD.
2. Press the CD button to operate the unit in the CD mode.
3. Press MEMORY button to start programming the tracks. The track memory indicator (Blinks).
4. Search the desired track by pressing the SKIP buttons
5. Press MEMORY button again to complete the programming process.
6. Repeat step 3 to step 5 to program another track.
7. Press PLAY button (▶) to start playing the tracks in your programmed order.

## DUBBING A CASSETTE TAPE

This unit is equipped with a dubbing system which allows duplicating a pre-recorded cassette.

1. Insert a pre-recorded tape into Deck B and a blank cassette tape into Deck A.
2. Press the TAPE button on the remote or press FUNCTION button until TAPE is shown on the display.
3. Press the PAUSE button then the RECORD button on Deck A; the PLAY button will go down automatically.
4. Press the PLAY button on Deck B and will release the PAUSE button on Deck A and the dubbing will begin.

### NOTE

For best results, use normal bias (type 1) cassette tapes when recording.

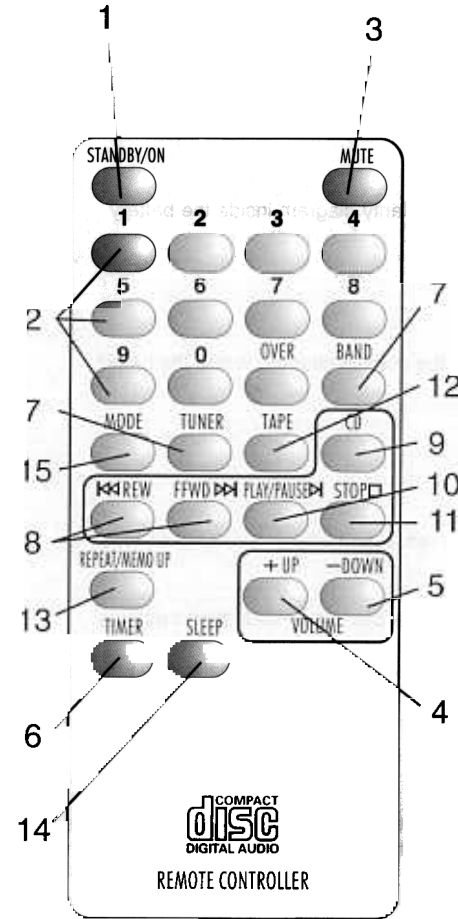
## CONTINUOUS PLAYBACK FROM DECK B TO DECK A

To continuously play two pre-recorded cassette tapes from Deck B to Deck A, operate the unit as follow

1. Load deck B and Deck A with pre-recorded tapes.
2. Press the TAPE function button.
3. Press the PAUSE and PLAY buttons on Deck B.
4. Press the PAUSE and PLAY buttons on Deck A.
5. Release the PAUSE button on Deck B; Deck B starts playing. Adjust the VOLUME as desired.
6. When the cassette tape in Deck B reaches the end, its PLAY button will Release and Deck A begins playing.
7. To stop playback before the tape is over, press the STOP/EJECT button on Decks A and B.

### CASSETTE TAPE OPERATING TIPS

1. High quality tapes are recommended to obtain maximum quality reproduction from recordings.
2. Tapes with playing time of 120 minutes (C-120) are not recommended because they contain thinner and Longer tape that has a greater chance to malfunction and jam, which may damage the cassette mechanism.
3. To obtain good reproduction, the head should be cleaned after every 10 to 20 hours of use. It is also Recommended that the cassette be kept away from excessive heat or cold.



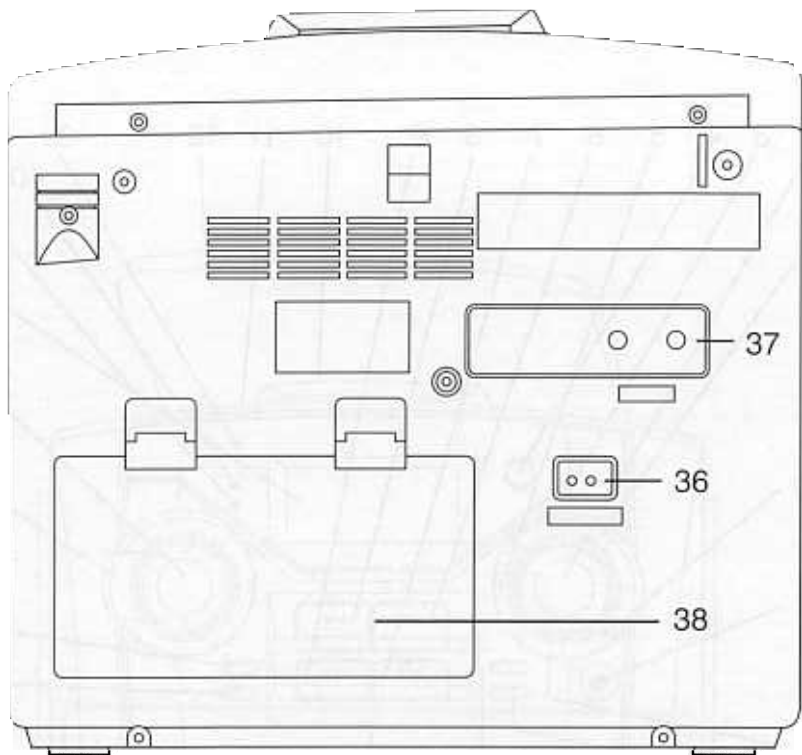
## HOW TO USE THE REMOTE HANDSET

1. **POWER** button - Press to turn the power on. Press again to turn the power off.
2. 0-9 buttons - Press to program CD track or direct CD track access, or recall tuner preset stations.
3. **MUTE** button - Press to mute the sound. Press the MUTE button again or one of the VOLUME button up/down on the remote to restore the sound.

**NOTE:** Mute function can only be operate from the remote handset.

4. **VOLUME UP** ▲ button - Press to increase the volume output level.
5. **VOLUME DOWN** ▼ button - Press to decrease the volume output level.
6. **TIME** button Press to activate timer function, press again to cancel it.
7. **TUNER/BAND** button Press to access the TUNER mode. Press while in the TUNER mode to change the band.
8. **CD SKIP** search / tuning up-down button.
9. Press to access the CD mode
10. **PLAY/PAUSE** Press to start CD playing, press again to pause.
11. **STOP** button Press to stop CD operation and clear programmed memory.
12. **TAPE** button Press to access the TAPE mode.
13. **REPEAT** button Press to select CD REPEAT modes to pause.
14. Press the **SLEEP** button and the panel shows 90 minutes of playing timer.
15. Press the **MODE** button will change the Display on the panel.

# LOCATION OF CONTROLS



- |                             |                                   |
|-----------------------------|-----------------------------------|
| 1. CD button                | 22. HEADPHONE JACK                |
| 2. POWER button             | 23. RECORD/PLAY BACK CASSETTE (A) |
| 3. TAPE button              | 24. PLAY BACK CASSETTE (B)        |
| 4. REMOTE SENSOR            | 25. F. FORWARD button             |
| 5. TUNER button             | 26. REWIND button                 |
| 6. CD STOP button           | 27. PLAY button                   |
| 7. CD SKIP-/SEARCH button   | 28. RECORD button                 |
| 8. CD PLAY/PAUSE button     | 29. STOP/ EJECT button            |
| 9. CD SKIP+/SEARCH button   | 30. PAUSE button                  |
| 10. FM ANT                  | 31. PLAY button                   |
| 11. CD DOOR OPEN/CLOSE      | 32. PAUSE button                  |
| 12. HANDLE                  | 33. STOP/ EJECT button            |
| 13. LCD DISPLAY             | 34. F. FORWARD button             |
| 14. VOLUME UP DOWN button   | 35. REWIND button                 |
| 15. BASS BOOST button       | 36. AC SOCKET                     |
| 16. MEMORY button           | 37. SPEAKER jacks (R+L)           |
| 17. REPEAT button/MEMORY-UP | 38. BATTERY COMPARTMENT           |
| 18. MODE/REMAIN button      | 39. STANDBY LED                   |
| 19. TIME button             | 40. BASS BOOST LED                |
| 20. SLEEP button            | 41. MUTE LED                      |
| 21. AM/FM BAND button       |                                   |

## PRODUCT SPECIFICATIONS

	Item	Description
Dimensions	Unit	W450 x H190 x D255 mm
Weight	Unit only	About 4 kg
AC Power Supply	Input Voltage	AC 120V 60Hz
	Power Consumption	25 Watts
Battery	Unit	"D" size x 8
	Remote Control	"AA" x 2
	Clock Back up	"AA" x 3
Reception Range	FM	87.5 - 108MHz
	AM	530 - 1710KHz
CD D/A Converter	Converter	16 bit Dual D/A
	Sampling	8x
Tape	Cassette tape type	IEC 1/Type 1
	Normal bins, 120us EQ	
Amplifier	Power at 10%THD	4W + 4W (RMS)
Speaker	Woofer	5"
	Surround Speaker	2"
	Impedance	4 Ω

Specifications may be changed to enhance performance.

## CARE AND MAINTENANCE

1. Clean your unit with a damp (never wet) cloth. Solvent or detergent should never be used.
2. Avoid leaving your unit in direct sunlight or in hot, humid or dusty places.
3. Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.
4. If drop-outs or interruptions occur in the music during play, or if the disc fails to play at all, its bottom Surface may require cleaning. Before playing, wipe the disc from the center outwards with a good soft cleaning cloth.



## COMPLIANCE WITH FCC REGULATIONS

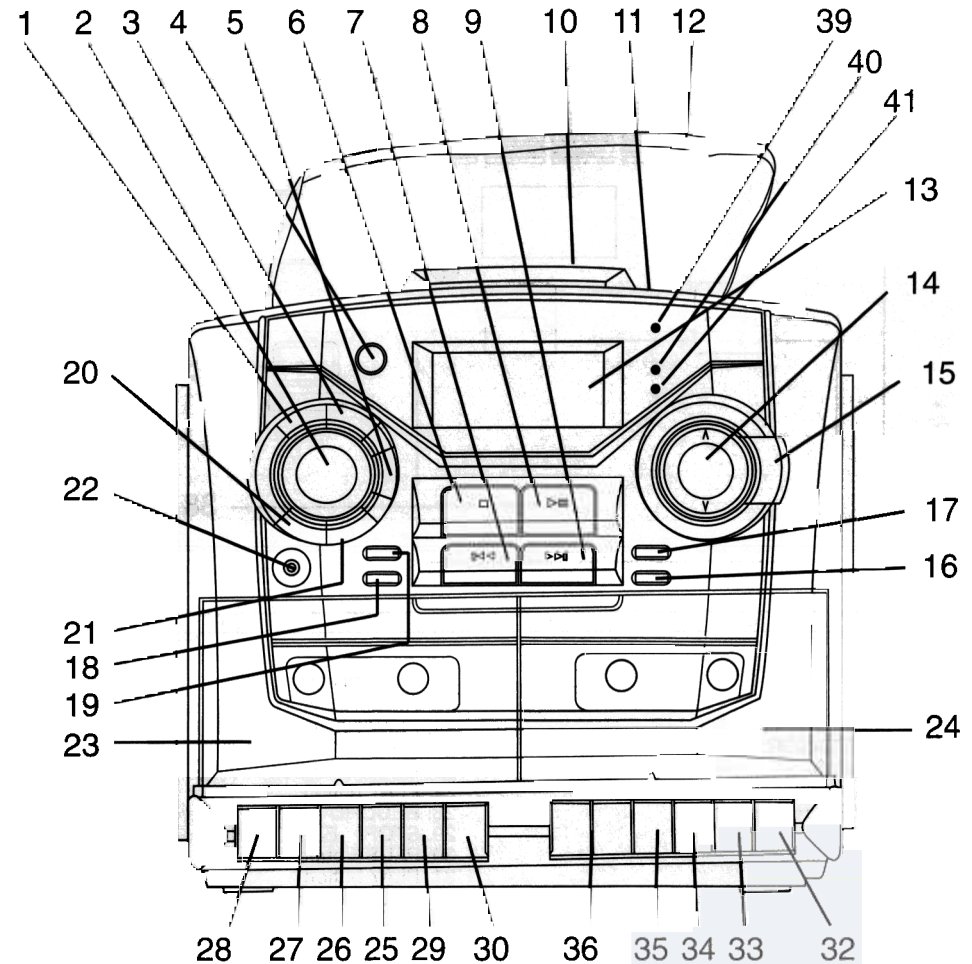
This equipment has been tested and found to comply with the limits for a Class A Digital Device and radio receiver, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

## TROUBLESHOOTING GUIDE

Before requesting service, please refer to the following chart for the symptom and possible solution.

SYMPTOMS	POSSIBLE CAUSES	POSSIBLE SOLUTIONS
<b>CD PLAYER</b>		
CD Player will not operate.	Function Selector Switch not set to CD position.	Set Function Selector Switch To CD position.
	CD not installed or installed upside down.	Insert CD with label side up.
CD skips while playing.	Disc is dirty or scratched.	Wipe disc with a soft cloth or try another disc.
<b>RADIO</b>		
FM STEREO indicator Doesn't light.	Station not properly tuned. Band/FM Mode Switch is set to FM position.	Retune the FM station. Set Band/FM Mode Switch is set to FM STEREO position.
Noise or sound distorted on AM Or FM broadcasts	FM telescopic antenna not extended or weak station.	FM - Extend the telescopic antenna AM - Rotate unit until best reception is obtained.
No sound.	Station not properly tuned.	Retune AM or FM Station
	Function Selector Switch not set to RADIO position.	Set Function Selector Switch to RADIO position.
	Volume Control is at minimum position.	Increase volume.
<b>DECK A AND B PLAYBACK</b>		
No sound	Function Selector Switch not set to TAPE position. No recording on tape.	Set Function Selector Switch to TAPE position. Check cassette
Deck A does not continue the Playback during continuous Playback.	PLAY button on Deck A is not pressed, or the tape must be re-wound.	Press the PLAY button on Deck A or rewind the tape.
Sound distorted or slow or erratic speed.	Dirty head, tape too old or worn.	Clean the head or replace pre-recorded cassette tape.
	Batteries weak.	Check the batteries.
<b>RECORDING DECK A</b>		
Cassette Deck will not record	Function Selector Switch not set properly. Cassette not inserted or erase prevention tab removed.	Set Function Selector Switch to desired source. Insert cassette into Deck A with erase prevention tab intact.
Weak or distorted recording.	Cassette tape is poor quality or batteries are weak.	Try another cassette tape. Check batteries.
<b>GENERAL</b>		
No sound	AC cord not connected properly or weak or dead batteries Volume Control set to minimum	Check AC cord connections or replace weak or dead batteries Increase the Volume.
No Timer	Check the Timer ON/OFF	Press the Timer ON/OFF and set-up tuner again.

## LOCATION OF CONTROLS



CUSTOMER SERVICE 1-800-919-3647

## GETTING STARTED

This Stereo Compact Disc Cassette Recorder operates on AC120V/60Hz line power supply or 8 "D" size batteries. (Not included)

The remote control unit operates on 2 "AA" size batteries. (Not included)

To back up clock operates on "AA" size 1.5V X 3 (not included).

### INSERTING BATTERIES INTO THE REMOTE CONTROL

1. Turn over the remote control, and remove the battery door.
2. Install 2 "AA" size batteries (not included) according to the polarity diagram inside the battery compartment.
3. Close the battery door.

### INSERTING BATTERIES INTO THE UNIT

1. Open the battery door.
2. Insert the 8 "D" size batteries (not included) according to the polarity diagram inside the battery compartment.
3. Close the battery door.

**IMPORTANT:** Be sure that the battery is installed correctly.  
Wrong polarity may damage the unit.

Note: For better performance and longer operating time, we recommend the use of alkaline-type batteries.

- (a) Do not mix old and new batteries.
- (b) Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.

Under standby mode, the unit will still consume a small standby current for maintaining normal functions of the clock, timer and remote control. If the unit is not to be used for an extended period of time, remove all the batteries. Old or leaking battery can cause damage to the unit and may void the warranty.

### AC POWER OPERATION

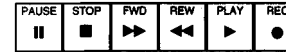
1. Connect the left speaker and the right speaker to the appropriate speaker jacks on the rear of the unit.
2. Insert the power cord into the AC socket on the rear of the unit.
3. Connect the power cord to an AC120V/60Hz power source.
4. When the unit is operated by AC power, the internal battery circuit will automatically be disconnected.

### \*CAUTION

WHEN THE POWER IS IN THE STAND-BY (POWER OFF) MODE, A SMALL AMOUNT OF CURRENT WILL CONTINUE TO FLOW TO OPERATE THE CLOCK, BUT CONTROLS WILL NOT WORK UNTIL THE POWER IS TURNED BACK ON. POWER CAN BE COMPLETELY CUT OFF BY UNPLUGGING THE POWER CORD FROM THE AC OUTLET. WHEN THE UNIT IS NOT TO BE USED FOR A LONG PERIOD OF TIME, IT IS RECOMMENDED TO UNPLUG THE UNIT FROM THE AC OUTLET.

## CASSETTE PLATYER OPERATIONS

Note: The Remote Control is not able to control the operations of the cassette player. The cassette player can only be controlled by the buttons on the unit.



### PLAYING A CASSETTE

1. Press STANDBY/ON button to turn on the unit.
2. Press EJECT button to open the cassette door.
3. Insert a cassette tape with the exposed tape facing upwards and close the cassette door.
4. Press TAPE button to operate the unit in the cassette mode.
5. Press PLAY button to start playing the tape.

### RECORDING FROM THE RADIO AND CD

1. Press STANDBY/ON button to turn on the unit.
2. Open the cassette door and insert a cassette tape with the exposed tape facing upwards. Close the cassette door.
3. Press the PAUSE button followed by the RECORD button.
4. To record from the radio, press the TUNER button and tune to your desired station.
5. To record from the CD, press the CD button and select your desired CD tracks. Press the PLAY button (▶) to start playing the CD.
6. Press the PAUSE button to start recording.

Note: This unit has a built-in Automatic Level Control (ALC) circuit, the volume of the recorded sound will be optimized automatically.

TO:	PRESS:
Stop play/record	STOP/EJE
Forward tape	F.FWD
Rewind tape	REW
Pause play/record	PAUSE
Control volume	VOLUME

### BASS BOOST

To emphasize the bass sound, press the BASS BOOST button on the unit.

### AUTOMATIC STOP

To protect your cassette tapes and prevent unnecessary wear to the pinch roller of the cassette mechanism, this unit is equipped with an Automatic Stop System. When the tape ends, the PLAY Button will automatically release to stop the cassette from running.

**RADIO TUNING**

1. Press STANDBY/ON button to turn on the unit.
2. Press TUNER button to operate the unit in the radio mode.

TO:	PRESS:
Scan radio station automatically	◀◀ / ▶▶ SKIP for 1 second
Scan radio station manually	◀◀ / ▶▶ SKIP
Control the volume	▲ / ▼ VOLUME

Note: The Stereo indicator will appear if FM stereo broadcast is received.

**BASS BOOST**

To emphasize the bass sound, press the BASS BOOST button on the unit.

**PRESET CHANNELS**

With this function you can store up to 20 AM and 20 FM Radio stations.

1. Tune to a desired station.
2. On the unit, press the MEMORY button. The Memory indicator blinks.
3. While the Memory indicator is blinking, press the REPEAT button to select the desired preset channel.
4. Press the MEMORY button again to complete.
5. Tune to other stations and repeat steps 2 to 4 to store these stations in other preset channels.

Note: The Memory indicator will go off automatically if no button is pressed in 5 seconds.

**TO RECEIVE PRESET STATIONS**

1. Press STANDBY/ON button to turn on the unit.
2. Press TUNER button to operate the unit in the radio mode.
3. Press REPEAT button to select the preset channels.

Note: When listening to FM programs, extend the Telescopic antenna to insure maximum tuner sensitivity. When listening to AM program, try rotating the unit until the best receptions is obtained.

Inserting the plug of your headphones into the Stereo headphone jack will enable you to listen to the CD, radio and cassette player in privacy. When using headphones the built-in Speakers will be disconnected.

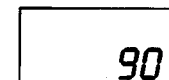
**NOTE: READ THIS IMPORTANT INFORMATION BEFORE USING YOUR HEADPHONES**

1. Avoid extended play at every high volume as it may impair your hearing.
2. If you experience ringing in your ears, reduce the volume or shut off your unit.
3. Do not use while driving a motorized vehicle. This is dangerous and also illegal in some states.
4. Keep the volume at a reasonable level even if your headset is an open-air type designed to allow you to hear outside sounds. Please note that excessively high volume may still block outside sounds.

**CLOCK & TIMER OPERATIONS**

**SLEEP OPERATION**

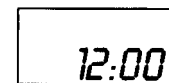
1. Press the STANDBY/ON button to turn on the unit.
2. Press the SLEEP button and the panel shows 90 Minutes of playing time.



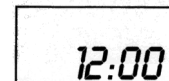
3. To set the desired sleep time, hold down the SLEEP button and the sleep time will be automatically count down.
4. Release the button when you reach the desired length of time you wish the unit to play. You can select time period from 90 minutes to 10 minutes.
5. The unit will automatically turn off when the chosen sleep time has elapsed.

**TO SET THE CLOCK**

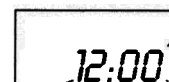
1. Press the STANDBY/ON button to turn off the unit.
2. The display shows the current time setting.



3. Press the MEMORY button and the hour position flashes.



4. Press the SKIP buttons to adjust the hour.
5. Press the MEMORY button and the minute position flashes.



6. Press the SKIP buttons to adjust the minute.
7. Press the MEMORY button again to complete.



## SAFETY INSTRUCTIONS

Before using the unit, be sure to read all operating instructions carefully. Please note that these are general precautions and may not pertain to your unit. For example, this unit may not have the capability to be connected to an outdoor antenna.

### 1. READ INSTRUCTIONS

All the safety and operating instructions should be read before the product is operated.

### 2. RETAIN INSTRUCTIONS

The safety and operating instructions should be retained for future reference.

### 3. HEED WARNINGS

All warnings on the product and in the operating instructions should be adhered to.

### 4. FOLLOW INSTRUCTIONS

All operating and use instructions should be followed.

### 5. CLEANING

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

### 6. ATTACHMENTS

Do not use attachments not recommended by the product's manufacturer as they may cause hazards.

### 7. WATER AND MOISTURE

Do not use this product near water—for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

### 8. ACCESSORIES

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall causing serious injury and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

### 8A. 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.

### 9. VENTILATION

Slots and openings in the cabinet and in the back or bottom are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat source. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

### 10. POWER SOURCES

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

### 11. GROUNDING OR POLARIZATION

This product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. 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.

### 12. 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 point where they exit from the appliance.

### 13. LIGHTNING

To protect your product from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

### 14. Nettoyage

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

### 15. OVERLOADING

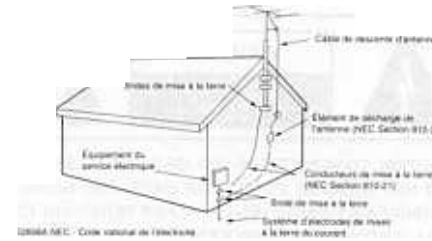
Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

### 16. OBJECT AND LIQUID ENTRY

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid on the product.

### 17. OUTDOOR ANTENNA GROUNDING

If an outside antenna is connected to the product, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electric Code, ANSI/NFPA 70, Provides information with respect to proper grounding of the mast and supporting structure, grounding of proper in wire to an antenna discharge product, size of grounding conductors, location of antenna discharge product, connection to grounding electrodes, and requirements for grounding electrode.



EXEMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE

### 18. SERVICING

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

### 19. REPLACEMENT PARTS

When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

### 20. SAFETY CHECK

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

### 21. WALL OR CEILING MOUNTING

The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

### 22. DAMAGE REQUIRING SERVICE

Unplug the product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or the cabinet has been damaged.
- When the product exhibits a distinct change in performance—this indicates a need for service.

### 23. HEAT

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

### 24. NOTE TO CATV SYSTEM INSTALLER

This reminder to provider is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

# Memorex®

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:

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

This warranty does not cover:

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

In the event that service is required under this warranty,, please contact CUSTOMER SERVICE at 1-800-919-3647 or contact our website at [www.memorex.com](http://www.memorex.com).

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