

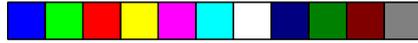
Emerson[®]

***PERSONAL CD, CD-R/RW PLAYER
with 40 SECOND ELECTRONIC
ANTI-SKIP PROTECTION,
and FM DIGITAL TUNER***

OWNER'S MANUAL

HD8110

Visit our web site at www.emersonradio.com



Thank you.....

For purchasing this Emerson Personal CD Player with FM digital tuner. The CD player has a 20 track programmable memory so you can listen to the songs on your favorite CD's in any order you choose. Or you can use the Random playback feature and let the player select the playback order for you. Use the 3-way Repeat feature to repeat a single track, the entire disc, or a programmed sequence of tracks, indefinitely. We've also included 40 second Electronic Skip Protection which makes this player virtually skip-free during most active uses.

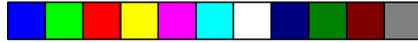
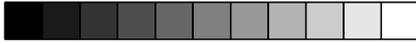
Please read this instruction manual completely and carefully to make sure you understand the proper operation of this product, and get the maximum enjoyment out of all the features of this state-of-the-art CD player.

Once again, thanks for purchasing this Emerson product.

The serial number of your CD player can be found on the bottom cabinet. We suggest that you record the serial number of your unit in the space below for future reference.

Model Number: HD8110

Serial Number: _____



IMPORTANT NOTES

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

Avoid installing the unit in locations described below:

- Places exposed to direct sunlight or close to heat radiating appliances such as electric heaters.
- Dusty places.
- Places subject to constant vibration.
- Humid or moist places.

CLASS 1 LASER PRODUCT

CLASS 1 LASER PRODUCT
APPAREIL À LASER DE CLASSE 1
PRODUCTO LASER DE CLASE 1

CAUTION
INVISIBLE LASER RADIATION
WHEN OPEN AND INTERLOCKS
DEFEATED.
AVOID EXPOSURE TO BEAM



This product contains a low power Laser Device.

CAUTION

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.

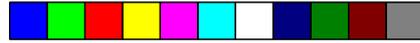
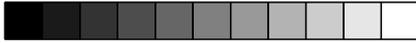


ATTENTION

The Owner's Manual contains important operating and maintenance instructions.

For your safety, it is necessary to refer to the manual.

This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.



PREPARATION FOR USE

REMOVE THE TRANSIT CARD

This personal CD player is shipped with a dummy CD 'transit card' inside the CD compartment. The purpose of this card is to prevent the laser from moving during shipment of the product. This card must be removed before using the CD player.

Slide the **OPEN** switch to the right to unlock the CD door. Remove the 'transit card' from the player and discard it.

POWER SOURCES

This personal CD player is designed to operate on two "AA" batteries, not included. Use a well known brand of alkaline batteries for longest life and best performance.

This player can also be operated by an optional AC/DC converter/adaptor, not included. If you decide to purchase an optional AC/DC adapter the specification must be as follows:

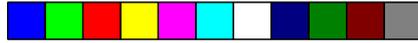
Input: 120V 60Hz AC

Output: 4.5V DC, 500 mA.

Plug: 1.7 mm Female Type with Positive Center, UL Listed.

Positive (+) —  — Negative (-)

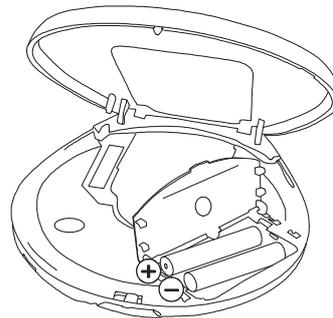
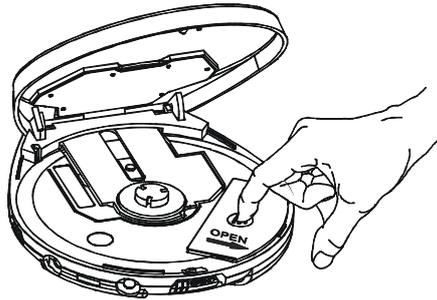
You may also purchase a "Universal" type AC/DC adapter which allows you to select the required output voltage and plug polarity, and normally includes multiple plug sizes to fit most brands of equipment. Always look for the "UL" listing mark when you purchase an adapter.



INSTALLING THE BATTERIES

Note: The battery compartment is located inside the CD compartment.

- 1.) Slide the **OPEN** switch to the right to open the CD door. If you have not already done so, remove the dummy CD 'transit card' and discard it.
- 2.) Press down on the "Arrow" mark in the center of the battery door and slide the door outward as shown until the door 'pops' open.

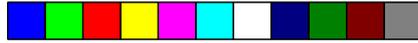
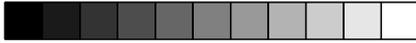


- 3.) Insert two alkaline "**AA**" batteries in the battery compartment. Be sure to observe the polarity markings engraved in the battery compartment. If the batteries are inserted incorrectly the unit will not work.
- 4.) Fold the battery removal ribbon over the top of the batteries, close the battery door, and slide the door inward until it is fully locked again.
- 5.) Close the CD door.

REPLACING THE BATTERIES

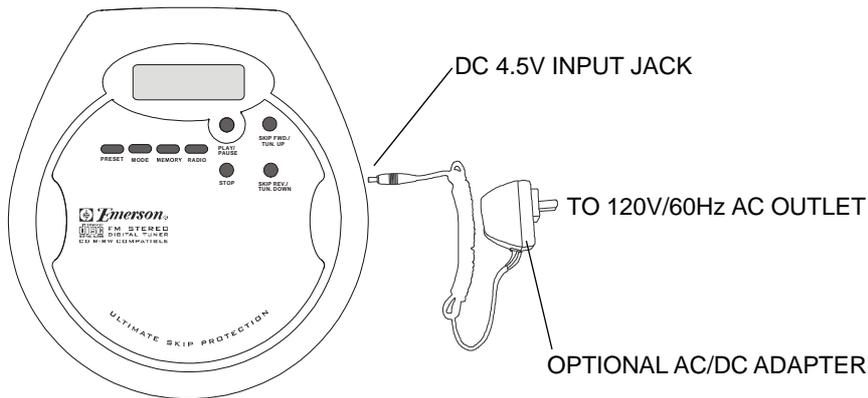
When the battery symbol  flashes in the display the batteries are becoming weak and should be replaced. Always replace both batteries at the same time with new fresh alkaline batteries. Do not mix old and new batteries or different types of batteries together.

If the display remains blank when you press the **PLAY/PAUSE** button, the batteries are completely dead. Replace them immediately. If dead batteries are left inside the battery compartment for a long period of time they may leak and cause damage to the unit, and such damage or corrosion from leaking batteries is not covered by your warranty.



CONNECTING THE OPTIONAL AC ADAPTER (NOT INCLUDED)

- 1.) Connect the small female plug of the optional AC adapter to the “DC IN 4.5 V” jack on the right side of the CD player.
- 2.) Connect the adapter housing to your 120V AC 60Hz outlet.



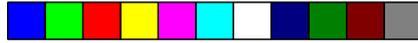
Notes:

- *Never connect or disconnect the adapter from the AC outlet while your hands are wet.*
- *The housing of the AC adapter may become warm during operation. This is normal.*
- *The female plug of the AC adapter must be completely disconnected from the CD player in order to operate the player on batteries.*

BATTERY PRECAUTIONS

Follow these precautions when using batteries in this device:

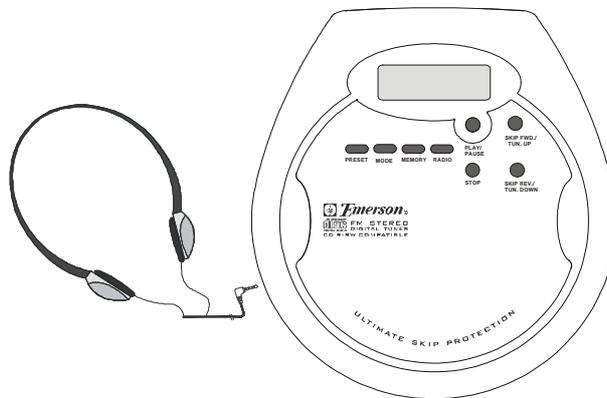
1. Use only the size and type of batteries specified.
2. Be sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. Reversed batteries may cause damage to the device.
3. Do not mix different types of batteries together (e.g. Alkaline and Carbon-Zinc) 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.)



CONNECTING THE STEREO HEADPHONES

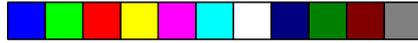
Connect the plug of the supplied stereo headphones to the green-colored **PHONES** jack on the left side of the cabinet.

NOTE: Make sure the headphone plug is inserted into the **PHONES** jack as far as it will go. If the plug is not fully inserted, you may only hear sound from one side of the headphones.

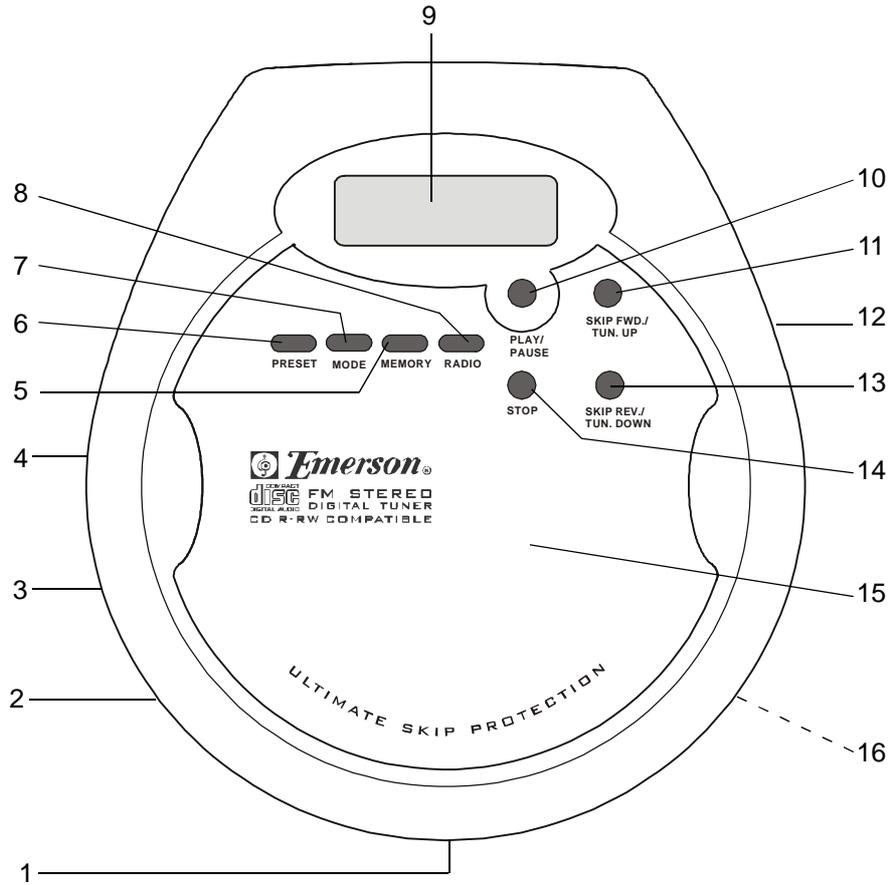


IMPORTANT!

Always set the **VOLUME** control to a low level before you put the headphones on and begin playing a CD. Then start playback and gradually increase the volume to a comfortable listening level. Do not play the CD at loud volume levels that might prevent you from hearing warning sounds such as car horns, etc.



LOCATION OF CONTROLS AND INDICATORS





- 1.) **OPEN ►** Switch – Slide to the right to unlock and open the CD door.
- 2.) **VOLUME** Control – Raises or lowers the volume.
- 3.) **PHONES** Jack – Connect stereo headphones, included, to this jack.
- 4.) **HOLD** Switch.
- 5.) **MEMORY** Button.
- 6.) **PRESET** Button.
- 7.) **MODE** Button.

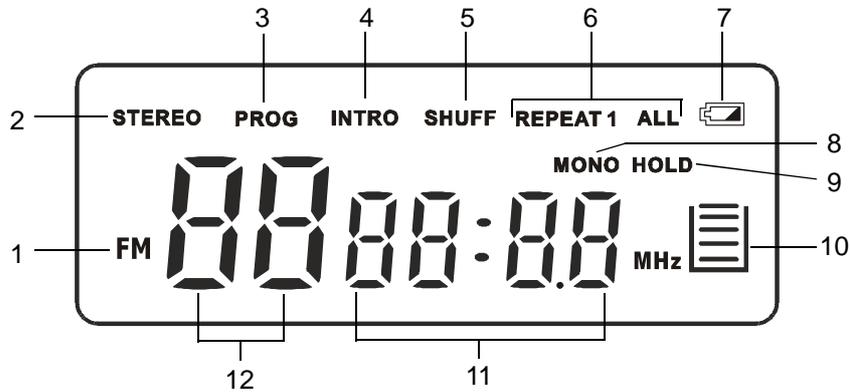
CD - Selects the playback mode: Repeat 1/All, Shuffle, or Intro.

FM Radio - Select **FM STEREO/MONO**.

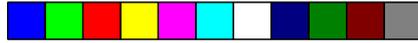
- 8.) **RADIO** Button.
- 9.) LCD Display – Shows Track number, Playing time, Anti-Skip status, Program, Repeat, Shuffle, and Intro modes.
- 10.) **PLAY/PAUSE** Button.
- 11.) **SKIP FWD./TUN. UP** Button.
- 12.) **DC IN 4.5V** Input Jack – Connect an AC adapter (not included) to this jack to use 120V 60Hz house current.
- 13.) **SKIP REV./TUN. DOWN** Button.
- 14.) **STOP** Button.
- 15.) CD Door.
- 16.) Battery Compartment (Inside CD Compartment).



LCD DISPLAY INDICATORS



- 1.) **FM** Radio Indicator.
- 2.) FM **STEREO** Indicator.
- 3.) **PROG** (Program) Indicator – Appears when programming tracks / FM preset stations, or playing programmed tracks.
- 4.) **INTRO** Indicator – Appears when Intro playback mode is selected.
- 5.) **SHUFF** (Shuffle) Indicator – Appears when Random playback mode is selected.
- 6.) **REPEAT 1/ALL** Indicators – Appears when the Repeat playback mode is selected.
- 7.) Battery Status Indicator – Flashes when battery level becomes low.
- 8.) FM **MONO** Indicator.
- 9.) **HOLD** Indicator – Appears when **HOLD** switch is set to 'On' position.
- 10.) Anti-Shock Bar Indicator – Indicates ESP Protection is activated.
- 11.) CD Elapsed Time / FM Frequency Display.
- 12.) CD Track Number / FM preset station number indicator.

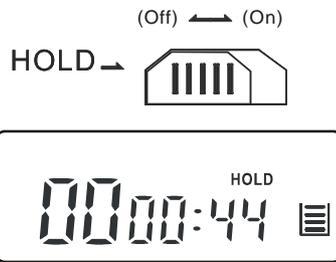


OPERATING INSTRUCTIONS

SPECIAL FUNCTIONS

HOLD Switch

The **HOLD** switch (on the left side cabinet) must be in the 'Off' (left) position to start the CD player. If you plan to carry the CD player in a handbag, briefcase, school bag, back pack, etc, slide the **HOLD** switch to the 'On' (right) position. While the **HOLD** switch is 'On' all of the controls on the CD door are disabled. This prevents the player from starting accidentally by something pressing against the **PLAY/PAUSE** or **RADIO** button.



After you begin CD playback you may also slide the **HOLD** switch to the 'On' (right) position to disable all the controls on the CD door. You can then place the player in a handbag, backpack, etc, and do not have to worry that the player will be accidentally turned off by something pressing against the **STOP** button or Track Skip buttons.



Electronic Skip Protection (ESP)

This CD player includes an Electronic Skip Protection circuit that continuously stores 40 seconds of CD music in an electronic memory. If the player is bumped or shaken you will not hear any skipping because the player is reading from the memory, not directly from the disc. Of course if the shaking continues for more than 40 seconds, the ESP memory will be depleted and the player may then skip or stop if the shaking continues.

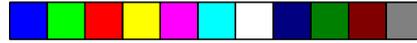
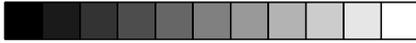
ESP memory function is automatically activated during CD playback. The display will show the ESP meter  and begin to fill up with bars.

Each bar represents approximately 8 seconds of music in the memory. When all 5 bars  appear the memory contains 40 seconds of music.

If the player is bumped or shaken one or more of the bars may disappear as the memory is depleted .

When the shaking stops the memory will fill up  again.





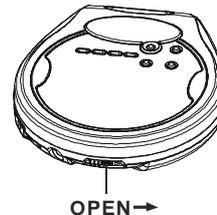
NORMAL CD PLAYBACK

- Make sure you have installed the batteries.
- Make sure the **HOLD** switch is set to the 'Off' (left) position.
- Make sure to set the **VOLUME** control to a low setting before you put on the headphones.

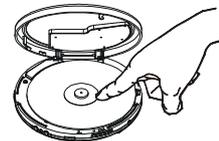
IMPORTANT:

This CD player can play normal CDs plus CD Recordable (CD-R) and CD Rewriteable (CD-RW) discs. However the playability of CD-R/RW discs may be affected by the type of software that was used in 'ripping' the tracks from the original discs and 'burning' the tracks onto the blank media. Playability may also be affected by the quality and condition of the blank media you use for recording. 100% compatibility cannot be guaranteed. This is not an indication of any problems with your player.

- 1.) Slide the CD door **OPEN** switch to the right to unlock and open the CD door.

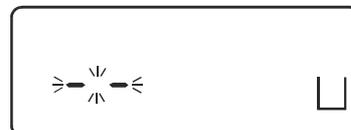


- 2.) Place your CD on the center spindle with the printed label side facing up. Press downward on the disc near the center hole until the disc is fully seated on the spindle.



- 3.) Close the CD door and connect the headphones to the **PHONES** jack (green color) by pushing the headphone plug into the **PHONES** jack until a 'click' sound is heard.

- 4.) Press the **PLAY/PAUSE** button to begin playback. The display will briefly show "--" flashes while the player reads the disc. The total tracks and playing time will appear briefly in the display and then the playback will begin on track 1. The display will show the elapsed playing time of the track being played.



- 5.) Adjust the **VOLUME** control as desired.



6.) Playback will continue until the end of the disc, then the player will stop automatically and the display will again show the total tracks and playing time on the disc. After approximately 30 seconds the power switches 'Off' automatically to conserve the batteries and the display goes blank. To stop playback before the disc ends press the **STOP** button at any time. Press the **STOP** button after the disc has stopped to shut the power 'Off' completely.

PAUSE CONTROL

To pause momentarily during playback press the **PLAY/PAUSE** button again. The elapsed time display flashes. The sound stops but the disc continues to spin.



Press the **PLAY/PAUSE** button once more to cancel Pause mode and resume normal playback. The elapsed time display stops flashing.

SKIP/SEARCH CONTROLS

Press the **SKIP FWD** or **SKIP REV** buttons repeatedly during playback to skip to higher or lower numbered tracks. Playback will begin on the selected track.

To search within a track at high speed to locate a specific musical passage depress and hold either the **SKIP FWD** or **SKIP REV** controls. The player will search rapidly forward or backward as long as the buttons are depressed. The volume is automatically muted during high speed search. Watch the elapsed time display. When the time display reaches the desired point, release the buttons. Normal playback will resume at that point and the volume returns to normal level.



MODE BUTTON

Pressing the **MODE** button during CD playback cycles the player through the following four special playback modes:

REPEAT 1 → **REPEAT ALL** → **INTRO** → **SHUFF** (Shuffle) Playback.

REPEAT PLAYBACK

The player can be programmed to continuously repeat a single track or the entire disc automatically.

One Track Repeat

During playback press the **SKIP FWD** or **SKIP REV** buttons to select the track to be repeated, then press the **MODE** button once.

The **REPEAT 1** indicator appears in the display and the selected track will be repeated continuously.



Press the **STOP** button to cancel Repeat 1 playback.

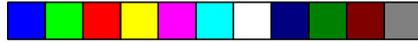
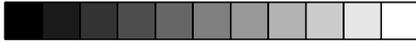
All Tracks Repeat

Press the **PLAY/PAUSE** button to begin playback, then press the **MODE** button twice.

The **REPEAT ALL** indicator will appear in the display and the entire disc will be repeated continuously.



Press the **STOP** button to cancel All Track Repeat playback.



INTRO (Intro Scan) PLAYBACK

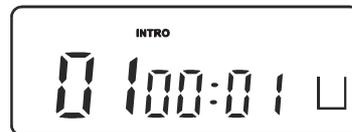
The Intro Scan feature plays only the first 10 seconds of each track on the disc. This feature is useful when you are trying to find a particular song but you cannot remember the title.

- 1.) Load your disc in the player as usual and press the **PLAY/PAUSE** button to begin playback.

- 2.) When playback begins press the **MODE** button 3 times. The **INTRO** indicator flashes.



- 3.) Press the **PLAY/PAUSE** button once more. The **INTRO** indicator stops flashing and remains 'On'.



The player backs up to the beginning of track 1, plays the first 10 seconds of each track on the disc, and then stops.

To cancel Intro Scan playback press the **STOP** button.

SHUFFLE (Random) PLAYBACK

When Shuffle playback is selected all the tracks on the disc will be played back in random order.

- 1.) Load your disc in the player as usual and press the **PLAY/PAUSE** button to begin playback.

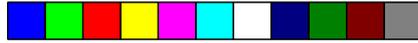
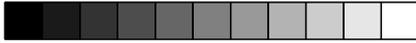
- 2.) When playback begins press the **MODE** button 4 times. The **SHUFF** indicator flashes.



- 3.) Press the **PLAY/PAUSE** button once more. The **SHUFF** indicator stops flashing and remains 'On'. The player randomly selects a track for playback. After each track has played once the player stops.



To cancel Shuffle playback press the **STOP** button.



PROGRAMMED PLAYBACK

You can program up to 20 tracks on a disc to play in any desired order.

NOTE: You can program a disc either during Playback or in Stop mode.

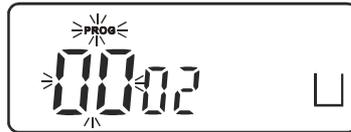
- 1.) Press the **MEMORY** button once. The Program Number '01' appears. The **PROG** indicator and the track number '00' flash.



- 2.) Press the **SKIP FWD** or **SKIP REV** button to select the first track to be programmed. Example: Track **02**.



- 3.) When the desired track number is flashing in the display, press the **MEMORY** button again to enter the desired track number in Program Number 01.



The track number returns to "00" and the Program Number advances to "02".

- 4.) Repeat Steps 2 and 3 to program additional tracks up to a maximum of 20.

- 5.) Press the **PLAY/PAUSE** button to begin programmed playback. The **PROG** indicator remains in the display and the track display stops flashing.



- Playback begins with the first track you programmed and continues until all programmed tracks have been played, and then the player stops.

The programmed sequence will remain in the memory until the power shuts off (approximately 30 seconds) or until the CD door is opened.

- If you press the **MEMORY** and **PLAY/PAUSE** buttons again before the power shuts off, the programmed sequence will play again.



LISTENING TO THE RADIO

- 1.) Press the **RADIO** button, the **FM** radio frequency appears in the display.



- 2.) Tune to the desired station by pressing the **TUN. UP** or **TUN. DOWN** button. Each time the button is pressed, the frequency changes.
- 3.) To search for a station quickly (automatic tuning), keep the **TUN. UP** or **TUN. DOWN** button pressed until the frequency starts to change rapidly then release the buttons. The tuner will stop on the first strong station. Repeat until you find the desired station.
- 4.) If you tune into a FM stereo station, the **STEREO** indicator will show in the Display.
If the FM reception is noisy, press the **MODE** button to change to Mono mode.

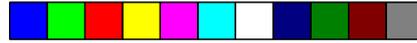
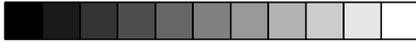
The **MONO** indicator appears in the display.



- 5.) Adjust the **VOLUME** control to your listening preference.
- 6.) To turn off the radio, press **STOP** button to shut power 'Off'.

Antenna Information

The stereo headphone cable serves as the FM antenna when listening to FM stations. Make sure that the headphone cable is unwound completely in order to provide the best reception.



PRESETTING STATIONS IN MEMORY

Up to **20** FM stations can be stored into the Preset memories. They will remain in memory as long as the batteries are installed.

- 1.) Press the **RADIO** button to turn the radion 'On'.
- 2.) Press the **TUN. UP** or **TUN. DOWN** button to tune a station.

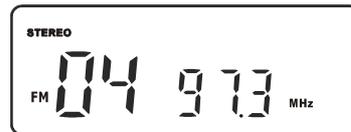
- 3.) Press the **MEMORY** button – the display blinks.



- 4.) While the the display is blinking, press the **PRESET** button to select the Preset channel to store. Example: **04**.



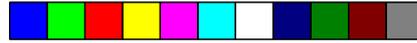
- 5.) Press the **MEMORY** button again to store that station into Preset number 04.



- 6.) Repeat steps 2-5 selecting a different preset channel number each time to store up to 20 preset channels.

TO RECALL PRESET STATIONS

- 1.) Press the **RADIO** button to turn the radion 'On'.
- 2.) Press the **PRESET** button to select the preset station as desired.
- 3.) To change a preset station, enter a new station into the memory you wish to change. The previously memorized station is replaced by the new station.



CARE AND MAINTENANCE

CLEANING THE CABINET

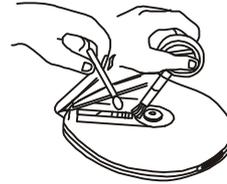
Wipe with a soft cloth. If the cabinet is very dirty, dampen the cloth with a weak solution of neutral detergent and water, and then wipe clean.

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:

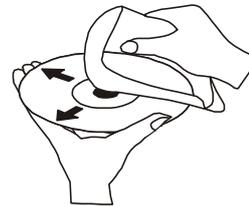
DUST OR DRY PARTICLES

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



FINGERPRINTS

To remove fingerprints from the lens, use a cotton swab starting in the middle and working to the outside edge. Use only very light pressure on the lens to avoid forcing it out of alignment.

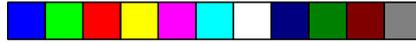
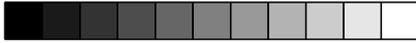


CLEANING THE DISC

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

NOTE:

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



LIMITED WARRANTY

Emerson Radio Corp. warrants manufacturing defects in original material, including original parts and workmanship, under normal use and conditions, for a period of ninety (90) days from the date of original purchase in the U.S. With your dated proof of purchase, we will provide repair service at no charge for labor and parts at an authorized Depot Repair Facility, or replace the product in our discretion. For repair or replacement, pack your unit in a padded box, enclose your check or money order payable to Emerson Radio Corp. in the amount of \$9.00 (not required by California residents) to cover shipping and handling costs, and enclose a copy of your proof of purchase. Send your unit to:

Emerson Radio Corp.
1901 Diplomat Drive.
Farmers Branch, TX 75234.

This warranty does not cover damage from negligence, misuse, abuse, accident, failure to follow operating instructions, commercial use, rental, repairs by an unauthorized facility, or products purchased, used, serviced or damaged outside of the United States.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

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SERVICE

FOR ADDITIONAL SET-UP OR OPERATING ASSISTANCE
PLEASE CALL:
1-800-898-9020

FOR CUSTOMER SERVICE, PLEASE WRITE TO:

Emerson Radio Corp.
Consumer Affairs Dept.
1901 Diplomat Drive,
Farmers Branch, TX 75234.



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