CAUTION

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

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.

IMPORTANT SAFETY INSTRUCTIONS

1.) Read these instructions.
2.) Keep these instructions.
3.) Heed all warnings ( The warnings engraving on bottom cabinet ).
4.) Follow all instructions.
5.) Do not use this apparatus near water.
6.) Clean only with dry cloth.
7.) Do not block any ventilation openings. Install in accordance with the manufacturer instructions.
8.) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9.) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10.) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11.) Only use attachments / accessories specified by the manufacturer.
12.) Unplug this apparatus during lightning storms or when unused for long periods of time.
13.) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14.) This appliance shall not be exposed to dripping or splashing water and no object filled with liquids such as vases shall be placed on the apparatus.
15.) Do not overload wall outlet. Use only power source as indicated.
16.) Use replacement parts as specified by the manufacturer.
17.) The product may be mounted to a wall only if recommended by the manufacturer.
18.) Upon completion of any service or repairs to this product, ask the service technician to perform safety checks.
Preparation for Use

Unpacking and Setup
* Carefully remove the unit from the display carton and remove all packing material from the unit itself.
* Remove any descriptive labels that may be found on either the front or top cabinet of the unit. Do not remove any labels located on either the back or button cabinet of the unit.
* The detachable AC power cord is packed in the carton separately from the unit. Make sure that the AC power cord is not accidentally discarded with the carton or packing material.
* Press the CD Door OPEN Button to open the CD compartment door. There is a white card in the CD compartment which is intended to prevent the CD pickup from moving during shipment of the product. Remove this card from the CD compartment before use.

Power Sources
This portable audio system is designed to operate on either 120V AC 60Hz house current or 12V DC, using 8 D batteries (UM-1), not included. Attempting to operate this unit from any other power source may cause damage to unit, which is not covered by your warranty.

AC Operation
Unwind the AC cord and extend it to its full length, insert the small end of the AC cord into the AC socket on the back cabinet of the unit. Insert the other end of the AC cord into any convenient 120V AC 60Hz household outlet.

Specifications

| CLASS II equipment symbol |

This symbol indicates that the unit has a double insulation system.
Battery Operation

The battery compartment is located on the back of the cabinet.

* Remove the battery compartment door by pressing downward on the two tabs as shown in figure below.
* Insert 8 D size (UM-1) batteries into the battery compartment as shown in figure 2 below. Be sure to observe the polarity markings which are engraved inside the battery compartment. If the batteries are inserted incorrectly, the unit will not operate.

* Replace the battery compartment door.

NOTE: The AC power cord must be disconnected from the AC socket on the back of the unit in order for the unit to operate on battery power.

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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.)

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LOCATION OF CONTROLS AND INDICATORS

1. FM Rod Antenna
2. Stereo Headphone Jack
3. POWER Switch (ON/OFF)
4. VOLUME Control
5. Carrying Handle
6. AC Socket (Rear of Unit)
7. Battery Compartment (Rear of Unit)
8. Cassette Buttons:
   - PAUSE (•)
   - STOP/EJECT (•)
   - FAST FORWARD (•)
   - REWIND (•)
   - PLAY (•)
   - REC (•)
9. CD Door OPEN Button
10. BAND Button
11. FUNCTION (CD/TAPE/RADIO)
12. DBBS Button
13. CD MEMORY Button
14. CD PLAY/PAUSE/PRESET-UP Button
15. CD Skip Reverse (•)/TUNING-DOWN Button
16. CD Skip Forward (•)/TUNING-UP Button
17. CD Door
18. Cassette Door
19. CD STEREO/MONO/REPEAT Playback Button
20. CD STOP Button
21. LCD Display
Remote Control

Control Locations

Install battery
1. Open the battery cover to remove it.
2. Insert two AAA batteries (not included) correctly so that the + and - polarities match the polarity diagrams inside the battery compartment.

Note:
* About half a year of normal operation can be expected when using the general batteries.
* When the batteries are exhausted, the commander should no longer operate the system. Replace both batteries with new ones.
* Avoid keeping the commander in extremely hot or humid locations.
* Between remote controller and remote sensor there should be no obstacle and have to within 30° range.
* The remote controller’s operating distance is about 0.2M to 6M away from the remote sensor.

LISTENING TO THE RADIO

Set the VOLUME Control to a low setting.
Press the POWER Switch to the ON position. And Slide the FUNCTION Switch to the RADIO position.
Press the BAND Button to a desired setting - AM, FM.
NOTE: If you select either the FM or FM Stereo bands, be sure to raise the FM rod antenna and extend it to its full length.
Press the TUNING-Up Button or TUNING-DOWN Button to find the desired station.
If the BAND Switch is set to the FM STEREO position and you have tuned to an FM Stereo station, the FM STEREO LED Indicator will light.
When you have finished listening, Slide the POWER switch to the OFF position to shut the power off.

Hints for Better Reception
FM - Make sure that the telescopic FM Rod Antenna is raised and extended to its full length. You may have to vary the direction of the antenna to find the strongest signal for each FM station. If you are listening to weak or distant FM Stereo station and reception is unsatisfactory, press the ST/MONO button to the FM (Mono) on the remote control. This will normally provide an improvement in reception, although the sound will no longer be in stereo.
AM - The AM ferrite bar antenna is located inside the cabinet. It may be necessary to turn the unit slightly so that the internal antenna is in the direction of the AM transmitter. You may have to experiment to find the position that provides the strongest reception for each of your favorite AM stations.
PRE-SETTING STATIONS IN THE TUNER MEMORY

This system includes a 30 station preset memory. You can store up to 15 FM stations and 15 AM stations in the tuner memory for immediate recall. The procedure for storing stations in memory is as follows:

1.) Follow under LISTENING TO THE RADIO in page 7 to select the first station you wish to memorize. Example FM 103.50 MHz.  

2.) When the desired station appears on the display press the MEMORY button on the front panel or the MEMORY button on the remote control. The “NUMBER” indicator appears and “MEMORY” flash in the display. 

3.) Press the PRESET UP/PLAY/PAUSE button on the front panel or remote control once to select preset channel number 1. 

4.) Press the MEMORY button on the front panel or the MEMORY button on the Remote control once more to enter the station in preset memory number 1. 

5.) Repeat steps 1 through 4, selecting a different preset number in Step 3 each time until you have entered up to 15 FM stations in the tuner memory. 

6.) Press the TUNER/BAND button to select the AM band and follow the same procedure to enter up to 15 AM stations in the tuner memory. 

RECALLING PRESET STATIONS

Select the desired band. Press the PRESET UP/PLAY/PAUSE button on the front panel or the remote control repeatedly to scroll through the preset Memories until the display shows the desired station. 

CHANGING PRESET STATIONS

To change any preset station memory select the desired band and tune to the new station you wish to memorize. Press the MEMORY button and then press the PRESET UP/PLAY/PAUSE button to display the memory number you wish to Change. Press the MEMORY button again to enter the new station in the memory. The new station is memorized and the previous station is deleted from the Memory.
PLAYING CD/CD-R/RW DISCS

NORMAL PLAYBACK

1. Set the VOLUME Control to a low setting.
2. Slide the POWER Switch to the ON position. And slide the FUNCTION Switch to the CD position.
3. Press the CD Door OPEN Button to open the CD compartment door. NOTE: If you have not already done so, remove the CD transit lock card from the CD compartment now and discard it.
4. Place a disc on the center CD/CD-R/RW spindle, with the printed label side facing up. Close the CD compartment door.
5. The CD/CD-R/RW player will read the table of contents on the disc and the total number of tracks on the disc will appear on the CD-R/RW Track Display.
6. Press the CD PLAY/PAUSE Button to begin playback on Track 1. The desired track can be played by remote control.
7. Adjust the VOLUME Playback will continue until all the tracks on the disc have been played.
8. To stop playback before the disc ends, press the CD STOP (■) Button. The disc will stop and the display will show the total number of tracks on the disc.
9. After the last track has been played, the disc stops automatically and the display shows the total number of tracks on the disc. If you are finished listening, press the CD Door OPEN Button to open the CD Compartment door. Remove your disc, close the CD Compartment door Slide the POWER Switch to the OFF position.

CD/CD-R/RW PAUSE CONTROL

During CD/CD-R/RW playback, if you wish to Pause the disc momentarily, press the CD PLAY/PAUSE Button again. Playback stops but the disc continues to spin and the track number flashes in the display.

Press CD PLAY/PAUSE button again CD/CD-R/RW resume normal playback.

CD REPEAT CONTROL

REPEAT playback During CD/CD-R/RW playback, if press REPEAT button the first time, it will repeat play the present track and the REPEAT indicator will flash in the display. If you press second time is to Repeat play all tracks and the REPEAT indicator will stop flashes in the display. If you press third time is for cancelling it and the REPEAT indicator will disappear in the display.

TO BEGIN PLAYBACK FROM A SPECIFIC TRACK

1. After you insert the disc into the CD/CD-R/RW player and the total number of tracks appear on the display, you may press either the CD Skip Forward (►) or CD Skip Reverse (◄) Button to select a specific track for playback.
2. During playback, press the CD Skip Forward (►) Button once to advance the player to the beginning of the next track, Press the CD Skip Forward (►) Button repeatedly to advance the player to higher number tracks.
3. During playback, press the CD Skip Reverse (◄) Button once to move the player to the beginning of the previous track, Press the CD Skip Reverse (◄) Button repeatedly to move the player back to lower-number tracks.

FORWARD/REVERSE SKIP TRACK AND HIGH SPEED MUSIC SEARCH (►/◄)

During playback, press and hold either the CD Skip Forward (►/◄) or CD Skip Reverse (►/◄) Button to move the player forward or backward within a track to locate a specific musical passage. The player will move forward or backward at high speed as long as the button are depressed. When you release the CD Skip Forward (►/◄) or CD Skip Reverse (►/◄) Button, normal playback will resume at that point.
Programmed Playback

The CD Player in this unit has a 16 track programmable memory which allows you to program up to 16 tracks on any disc for playback in any desired order. To program tracks for playback the player must be in the Stop mode. If the disc is playing, press the Stop button to stop playback and then proceed as follows:

(1) Press the MEMORY button once. The MEMORY indicator begins flashing in the display and the '1' appears indicating that you should select the track that you wish to enter into program memory number 1.

(2) Use the buttons to select the first track to be programmed. Example: Track 7. Indicator does not flash in the display.

(3) Press the MEMORY button again. This will store track 7 into program memory number 1. And Press buttons the display will now select the track to be entered into program memory 2.

(4) Repeat steps (2) and (3) until you have programmed up to a maximum of 16 tracks into the program memory.

(5) To begin Programmed Playback press the button. The MEMORY Indicator stops flashing and remains 'On'. The player will begin to play the tracks in the order that you selected.

Set the VOLUME Control to a low setting.

Slide the POWER Switch to the ON position. And Slide the FUNCTION Switch to the TAPE position.

Press the STOP/EJECT button to open the Cassette Door.

Insert a pre-recorded cassette into the slots in the Cassette Door with the open end facing up and the full reel on the right side. Close the cassette door.

Press the cassette Play button to begin playback. Adjust the VOLUME.

Press the STOP/EJECT button to open the Cassette Door.

When the tape reaches the end, the auto-stop mechanism activates, the tape PLAY Button is release and the tape motor shuts off. Press the Stop/Eject button to open the Cassette Door and remove the tape.

To pause playback momentarily, press the cassette Pause button. The tape movement stops but the tape motor is still running. Press the cassette Pause button again to release Pause and resume normal playback.

To stop playback before the tape ends, press the Stop/Eject button. The Play Button is release and the tape motor shuts off.
MAKING A TAPE RECORDING

The tape recorder in this system allows you to make direct recordings from the radio or CD player to a blank cassette in the tape compartment. An automatic recording volume level control (ALC) circuit will automatically control the volume level of your recordings to prevent distortion. You may change the settings of the volume during a tape recording, as these controls have no effect on the material being recorded onto the tape.

To make a tape recording, proceed as follows:

1. Open the Cassette Door and insert a good quality blank cassette tape into the slots on the door, with the open end facing up and the full reel on the right-hand side. Close the Cassette Door.

2. Select the function you wish to record, either radio or CD, and operate that function according to its own instructions.

3. When you are ready to begin recording, press the cassette Record ( ) Button. The cassette Play ( ) Button will also engage. The tape will begin moving and all of the material from your selected source will be recorded on the tape.

4. To avoid recording unwanted material, such as radio commercials, use the Pause ( ) Button to stop the recording temporarily. Release the Pause ( ) Button to begin recording again.

5. When you are finished recording, press the Stop/Eject ( ) Button to stop the tape.

6. If you wish to listen to your recording immediately, press the cassette Rewind ( ) Button until the tape rewinds to the beginning, then press the Stop/Eject ( ) Button .

7. Set the FUNCTION Switch to the TAPE position and press the cassette Play ( ) Button to begin playback.

8. Dynamic Bass Boost System (DBBS)

   This special circuit provides bass response, especially at lower volume levels where the bass has a tendency to disappear. Set the DBBS button to On 1 to increase the bass. Set the DBBS button to Off 2 for normal bass response. Note: If you have the DBBS 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 DBBS button to Off 3.

9. CASSETTE TAPE RECOMMENDATIONS

   Standard tape lengths have 15 (C-30), 30 (C-60) and 45 (C-90) minutes of recording time on each side. Longer length tapes of 60 (C-120) minutes of recording time on each side are not recommended. Use only high quality tapes. If a problem develops, check the unit first with another cassette to determine if the problem is with the cassette, and not with the unit.

   If there is any stack in the tape in the cassette, it should be removed before inserting the cassette. Place a pencil in one of the hubs and rotate toward the outside of the cassette until all stack is taken up.

   NOTE: When a tab is broken out, the record button cannot be depressed.

SAFEGUARD AGAINST ACCIDENTAL ERASURE

When a new recording is make, any program material previously recorded is automatically erased and only the new recording remains. To safeguard valuable recordings from being erased accidentally, the cassette and the deck are equipped with a spacial device.

On the back of the cassette there is an erase prevention tab on each side. To prevent accidental erasing, break out these tabs with a screwdriver. If only one side of the tape is to be protected break out the tab on the left side with the side desired facing you.

To record on a tape in which the tab has been broken, place a place of adhesive tape over that area.

NOTE: When a tab is broken out, the record button cannot be depressed.
CARE AND MAINTENANCE

Caring for Compact Discs

* Treat the disc carefully. Handle the disc only by its edges. Never allow your fingers to come in contact with the shiny, unprinted side of the disc.
* Do not attach adhesive 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.

This unit is designed to play only compact discs bearing the identification logo as shown here. Other discs may not conform to the CD standard and may not play properly.
* Compact Disc should be stored in their cases after each use to avoid damage.
* Do not expose compact disc to direct sunlight, high humidity, high temperatures, or dust, etc. Prolonged exposure or extreme temperatures can warp the disc.
* Do not stick or write anything on either side of the disc. Sharp writing instruments, or the ink may damage the surface.

Cleaning the unit

* To prevent fire or shock hazard, disconnect your unit from the AC power source when cleaning.
* The finish on your unit may be cleaned with a dust cloth and cared for as other furniture. Use caution when cleaning and wiping the plastic parts.
* Periodic cleaning of the tape heads, capstan and pinch roller is necessary to maintain good sound reproduction. Clean them after every 100 hours of use or less if playback has deteriorated. Use a cotton swab moistened with head cleaning solution or isopropyl alcohol, then wipe dry with another swab.

NOTE: Never use metal objects on or near the tape heads. Do not allow and cleaning material to fall into the tape assembly.

TROUBLESHOOTING GUIDE

Should this unit exhibit a problem, check the following before seeking service.

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radio</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noise or sound distorted on radio broadcasts.</td>
<td>Station not tuned properly for AM or FM.</td>
<td>Retune the AM or FM broadcast station.</td>
</tr>
<tr>
<td>FM: Telescopic antenna is not properly adjusted.</td>
<td>Reorient FM telescopic antenna.</td>
<td></td>
</tr>
<tr>
<td>AM: Unit is not positioned correctly</td>
<td>Rotate unit until best reception is obtained.</td>
<td></td>
</tr>
<tr>
<td>FM STEREO indicator does not light.</td>
<td>Poor FM signal being received or BAND switch is not set to FM STEREO.</td>
<td>Retune station, try another station or set BAND switch to FM STEREO.</td>
</tr>
<tr>
<td>Station is not broadcasting in stereo.</td>
<td>Change stations.</td>
<td></td>
</tr>
<tr>
<td>AM or FM, no sound.</td>
<td>FUNCTION switch is not set to the RADIO position.</td>
<td>Slide the FUNCTION switch to the RADIO position.</td>
</tr>
<tr>
<td>Volume at minimum.</td>
<td>Increase Volume.</td>
<td></td>
</tr>
<tr>
<td>Cassette Player</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No sound.</td>
<td>FUNCTION switch is not set to the TAPE position.</td>
<td>Slide the FUNCTION switch to the TAPE position.</td>
</tr>
<tr>
<td>Volume at minimum.</td>
<td>Increase Volume.</td>
<td></td>
</tr>
<tr>
<td>Sound distorted.</td>
<td>Dirty head.</td>
<td>Clean the head.</td>
</tr>
<tr>
<td>Speed varies.</td>
<td>Tape old or worn.</td>
<td>Replace the tape.</td>
</tr>
<tr>
<td></td>
<td>Batteries are low.</td>
<td>Replace the batteries.</td>
</tr>
<tr>
<td>Cassette Recorder</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Will not record.</td>
<td>Erase prevention tab removed.</td>
<td>Cover hole with adhesive tape.</td>
</tr>
<tr>
<td>Distorted sound on playback.</td>
<td>Defective tape or dirty tape head.</td>
<td>Replace tape or clean tape head.</td>
</tr>
<tr>
<td>Compact Disc Player</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CD/CD/RW Player will not play.</td>
<td>FUNCTION switch is not set to the CD position.</td>
<td>Slide the FUNCTION switch to the CD position.</td>
</tr>
<tr>
<td>CD is not installed or installed upside-down.</td>
<td>Insert CD with label side up.</td>
<td></td>
</tr>
<tr>
<td>CD/CD/RW skip while playing.</td>
<td>Disc is dirty or scratched.</td>
<td>Wipe disc with cloth or use another disc.</td>
</tr>
<tr>
<td>General</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No Sound.</td>
<td>Headphones connected into the Headphones jack.</td>
<td>Remove the Headphones from the Headphones jack.</td>
</tr>
</tbody>
</table>