CLASS 1
LASER PRODUCT

This "bolt of lightning" indicates uninsulated material within your unit which may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

FOR CUSTOMER USE
Enter below the Serial No. which is located on the bottom of the cabinet. Retain this information for future reference.

Model No. ________________________
Serial No. _________________________

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

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, AND FULLY INSERT.

Know these safety symbols

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING: TO PREVENT ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, AND FULLY INSERT.
IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a damp cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer’s 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. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. 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.
15. Battery usage CAUTION. To prevent battery leakage which may result in bodily injury or damage to the unit:
   • Install all batteries correctly, + and - as marked on the unit.
   • Do not mix batteries (old and new or carbon and alkaline, etc.).
   • Remove batteries when the unit is not used for a long time.

NOTES

This product complies with the FCC-Rules, Part 15 and with 21 CFR 1040.10. Operation is subject to the following two conditions:
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

CAUTION
Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

This digital apparatus does not exceed the Class B limits for noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

CANADA

English: This digital apparatus does not exceed the Class B limits for noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

Français: Cet appareil numérique n’émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le Règlement sur le Brouillage Radioélectrique édicté par le Ministère des Communications du Canada.
CONTROLS

POWER SUPPLY

Whenever convenient, use the power supply if you want to conserve battery life. Make sure you remove the plug from the set and wall outlet before inserting batteries.

Batteries (not included)
Open the battery compartment and insert eight batteries, type R-14, UM-2 or C-cells, (preferably Alkaline) with the correct polarity as indicated by the “+” and “−” symbols inside the compartment.

Batteries contain chemical substances, so they should be disposed of properly.

Incorrect use of batteries can cause electrolyte leakage and will corrode the compartment or cause the batteries to burst. Therefore:
• Do not mix battery types: e.g. alkaline with carbon zinc. Only use batteries of the same type for the set.
• When inserting new batteries, do not try to mix old batteries with the new ones.
• Remove the batteries if the set is not to be used for a long time.

Using AC Power
1 Check if the power voltage, as shown on the type plate located on the bottom of the set, corresponds to your local AC power supply. If it does not, consult your dealer or service center.
2 Connect the power cord to the AC MAINS inlet and the wall outlet. The power supply is now connected and ready for use.
3 To switch off completely, unplug the power cord from the wall outlet.
• Unplug the power cord from the wall outlet to protect your set during heavy thunderstorms.

Top and front panels (See [ ])
1 VOLUME - adjusts volume level.
2 FUNCTION SELECTOR - selects source of sound CD, TAPE or RADIO, also the power off switch.
3 STEREO HEADPHONE JACK - 3.5mm stereo headphone jack.
4 DBBS (Dynamic Bass Boost) - enhances bass response.
5 CASSETTE RECORDER KEYS
   RECORD - starts recording.
   PLAY - starts playback.
   FFWD/REW - fast winds / rewinds the tape
   STOP/EJECT - stops the tape;
   - opens the cassette compartment.
   PAUSE - interrupts recording or playback.
6 DIAL POINTER WINDOW - Shows the AM/FM dial frequency.
7 CD DOOR - Lift here to open / close the CD door.
8 BAND SELECTOR (FM ST. / FM / AM) - Selects FM ST. / FM / AM waveband.
9 TUNING CONTROL - Selects FM/AM stations.
10 PROGRAM - CD: - Programs and reviews programmed track numbers.
11 SEARCH (+++, ++-) - CD: - Skips or searches a passage / track backwards or forward.
12 REPEAT - Repeats a track / CD / program.
13 FM STEREO INDICATOR - Shows the FM stereo indication.
14 DISPLAY - Shows the CD functions.
15 STOP - Stops CD playback; erases a CD program.
16 PRESS TO PLAY - Press to start or pause CD play.

Back Panel (See [ ])
17 TELESCOPIC ANTENNA - Pull out to improve for FM reception.
18 BATTERY DOOR - To open battery compartment.
19 AC MAINS - Inlet for power cord.

4 x 2 R14 • UM2 • C-CELLS
RECORDING

GENERAL INFORMATION ON RECORDING

• Recording is permissible insofar as copyright or other rights of third parties are not infringed.

• This deck is not suitable for recording on CHROME (IEC II) or METAL (IEC IV) type cassettes. For recording, use NORMAL type cassettes (IEC I) on which the tabs have not been broken.

• The best recording level is set automatically. Altering the VOL and DBB controls will not affect the recording in progress.

• At the very beginning and end of the tape, no recording will take place during the 7 seconds, when the leader tape passes the recorder heads.

• To protect a tape from accidental erasure, have the tape in front of you and break out the left tab. Recording on this side is no longer possible. To record over this side again, cover the tabs with a piece of adhesive tape.

Recording from the radio

1. Tune to the desired radio station (See TUNING TO RADIO STATIONS).
2. Press STOP • EJECT to open the cassette door.
3. Insert a suitable cassette into the cassette deck and close the cassette door.
4. Press RECORD to start recording.
5. For brief interruptions, press PAUSE. To resume recording, press PAUSE again.
6. To stop recording, press STOP • EJECT.

PLAYING A CASSETTE

1. Select TAPE source.
2. Press STOP • EJECT to open the cassette door.
3. Insert a pre-recorded cassette with exposed part facing up and close the cassette door.
4. Press PLAY to start playback.
5. To interrupt playback, press PAUSE. To resume, press the key again.
6. By pressing ← or → on the set, fast winding of the tape is possible in both directions.
7. To stop the tape, press STOP • EJECT.
   − The keys are automatically released at the end of the tape, except if PAUSE has been activated.

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MAINTENANCE

Tape deck maintenance
To ensure quality recording and playback of the tape deck, clean parts A, B, and C shown in the diagram below, after approx. 50 hours of operation, or on average once a month. Use a cotton bud slightly moistened with alcohol or a special head cleaning fluid to clean the deck.

1. Open the cassette door by pressing STOP • EJECT.
2. Press PLAY and clean the rubber pressure rollers B.
3. Press PAUSE and clean the magnetic heads A and also the Capstan®.
4. After cleaning, press STOP • EJECT.
Note: Cleaning of the heads can also be done by playing a cleaning cassette through once.

BASIC FUNCTIONS

Switching power on/off: Save energy
Whether you are using mains or battery supply, to avoid unnecessary energy consumption always adjust the source selector to off.

General operation

1. To select your sound source adjust the source selector to CD/TAPE (OFF)/RADIO
2. Adjust the sound with the VOLUME and DBBS (Dynamic Bass Boost) controls.
3. To switch off the set, adjust the source selector to off position with all keys released.

RADIO

Radio reception
1. Slide the FUNCTION selector to RADIO.
2. Slide the BAND selector to a desired setting - FM STEREO, FM, AM.
3. Rotate the TUNING control to find the desired stations.

NOTE: If the BAND selector is set to the FM stereo position and you have tuned to an FM stereo station, the FM stereo LED indicator will light.
4. When you have finished listening, slide the FUNCTION selector to the OFF position to shut the power off with all tape keys released.

PLAYING A CASSETTE

1. Select TAPE source.
2. Press STOP • EJECT to open the cassette door.
3. Insert a pre-recorded cassette with exposed part facing up and close the cassette door.
4. Press PLAY to start playback.
5. To interrupt playback, press PAUSE. To resume, press the key again.
6. By pressing ← or → on the set, fast winding of the tape is possible in both directions.
7. To stop the tape, press STOP • EJECT.
   − The keys are automatically released at the end of the tape, except if PAUSE has been activated.
Playing a CD
This CD-player can play Audio Discs, CD-R and CD-Rewritables. Do not try to play CD-ROM, CDi, VCD, DVD or computer CD.
1 Adjust the source selector to CD.
   Display: shows briefly.
2 To open the CD door, lift the CD door at the edge marked CLOSE/OPEN.
3 Insert a CD, CD-R or CD-RW with the printed side facing up and press the CD door gently close.
4 Press on the set to start playback.
5 To pause playback press . To resume, press again.
6 To stop CD playback, press STOP .

Note: CD play will also stop when:
– you open the CD compartment;
– you select RADIO sound source;
– the CD has reached to the end.

Selecting a different track
During playback you can use or to select a particular track.
• If you have selected a track number in the stop or pause position, press to start playback.
• Press once briefly for the next track, or press repeatedly until the desired track number appears in the display.
• Press once briefly to return to the beginning of a current track.
• Press more than once briefly for a previous track.

Finding a passage within a track
1 Press and hold down or.
2 When you recognize the passage you want release.
   Normal playback resumes.

Different play modes: Repeat – plays the current track continuously
repeat – plays the current track continuously
repeat all – plays the entire CD continuously

Programming track numbers
You may store up to 32 tracks in the desired sequence. If you like, store any track more than once.
1 In the STOP mode, press or for your desired track.
2 When your chosen track number appears, press PROG MODE once to store the track.
   The display shows prog and prog briefly followed by your selected track number.
3 Repeat steps 1 to 2 to select and store all desired tracks in this way.
4 To play your program, press.

Reviewing your set program
• In the STOP mode, press PROG MODE.
   The display shows your stored track numbers in sequence.

Erasing a program
You can erase the contents of the memory by:
– opening the CD door;
– selecting RADIO source;
– pressing (twice during playback or in the stop Position)

Precautions & General Maintenance
• Place the set on a hard and flat surface so that the system does not tilt.
• Do not expose the set, batteries or CDs to humidity, rain, sand or excessive heat caused by heating equipment or direct sunlight.
• Do not cover the set. Adequate ventilation with a minimum gap of 6 inches between the ventilation holes and surrounding surfaces is necessary to prevent heat build-up.
• The mechanical parts of the set contain self-lubricating bearings and must not be oiled or lubricated.
• To clean the set, use a soft dry cloth. Do not use any cleaning agents containing alcohol, ammonia, benzene or abrasives as these may harm the housing.

CD player and CD handling
• The lens of the CD player should never be touched!
• Sudden changes in the surrounding temperature can cause condensation to form and the lens of your CD player to cloud over. Playing a CD is then not possible. Do not attempt to clean the lens but leave the set in a warm environment until the moisture evaporates.
• Always close the CD door to keep the CD compartment dust-free. To clean, dust the compartment with a soft dry cloth.
• To clean the CD, wipe in a straight line from the center towards the edge using a soft, lint-free cloth. Do not use cleaning agents as they may damage the disc.
• Never write on a CD or attach any stickers to it.
# TROUBLESHOOTING

**Troubleshooting**

If a fault occurs, first check the points listed below before taking the set for repair. Do not open the set as there is a risk of electric shock. If you are unable to remedy a problem by following these hints, consult your dealer or service center.

**WARNING:** Under no circumstances should you try to repair the set yourself, as this will invalidate the warranty.

- Problem
  - Solution

## No sound / power
- Volume not adjusted
  - Adjust the VOLUME
- Power cord not securely connected
  - Connect the AC power cord properly
- Batteries dead/ incorrectly inserted
  - Insert (fresh) batteries correctly

## Display does not function properly/ No reaction to operation of any of the controls
- Electrostatic discharge
  - Switch off and unplug the set. Reconnect after a few seconds

## Poor cassette sound quality
- Dust and dirt on the heads, etc.
  - Clean deck parts etc., see Maintenance
- Use of incompatible cassette types (METAL or CHROME)
  - Only use NORMAL (IEC) for recording

## Recording does not work
- Cassette tab(s) may be broken
  - Apply a piece of adhesive tape over the missing tab space

## CD playback does not work
- CD badly scratched/ dirty
  - Replace/ clean CD, see Maintenance
- Laser lens steamed up
  - Wait until lens has cleared
- CD-R is blank or the disc is not finalized
  - Use a finalized CD-R

## The CD skips tracks
- CD damaged or dirty
  - Replace or clean CD
- Program is active
  - Quit Program mode(s)

## No disc indication
- No CD inserted
  - Insert a CD, CD-R or CD-RW
- CD badly scratched or dirty
  - Replace/ clean CD, see Maintenance
- Laser lens steamed up
  - Wait until lens has cleared
- CD-R is blank or the disc is not finalized
  - Use a finalized CD-R

## Environmental information

We have done our best to reduce the packaging and make it easy to separate into 3 materials: cardboard, paper pulp and expandable polyethylene.

Your set consists of materials which can be recycled if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging, dead batteries and old equipment.