SAFEGUARD
Electrical energy can perform many useful functions. This unit has been engineered and manufactured to assure your personal safety. Improper use can result in potential electrical shock or fire hazards. In order not to defeat the safeguards, observe the following instructions for its installation, use and servicing.

CAUTION: TO PREVENT ELECTRIC SHOCK, DO NOT REMOVE SCREWS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

FEATURES
The DA-800 is a compact disc player incorporating a semiconductor laser pickup for playing compact discs with high-density digitalized sound signals. It gives superior sound quality and operation when compared to the conventional analog systems.

- Contactless Signal Detection by Semiconductor Laser Pick-up
By means of a semiconductor laser pickup, the digital signals are read without contacting the disc. As a result, there is no friction or wear to the pickup or disc.

- High Performance Sound Reproduction
Many Hitachi original semiconductors, including signal processing MOS-LSI, microcomputer, etc., have been developed for use in this unit.

- SN Ratio of 95 dB
This signal-to-noise ratio has been improved about 30 times over that of analog systems. There is no scratch noise and tape hiss.

- Dynamic Range of 95 dB
The playback range from pianissimo (pp) to forte-pianissimo (ff) is broad, with the ability to playback dynamic sounds with depth.

- Distortion Ratio of 0.003%
Achieves a world of clear, transparent sound.

- Wow and Flutter of less than 0.001%
This is below the range of measurable values. Naturally this far exceeds the limits detectable by human ears.

- Audio Circuitry Seeks for Sound Quality
Exclusive audio circuitry parts are selected with critical care. By means of a construction which fully takes into consideration sound quality, this unit gets the finest possible performance from the compact disc.

- Horizontal Front Loading System
The disc is placed on the horizontal disc table, and by pressing a single button, auto loading is accomplished. With a small player size of 43.5 cm (W) x 11 cm (H), combination with other components is free and easy.

- Luxurious Functions
- Random Memory Track Search Function
You can select the tracks you wish from the disc, and play them automatically in any desired order. Memory has a maximum capacity of 15 programs.

- Auto Digital Random Program Selector
(Auto DRPS)
In the Play or Pause mode you can easily skip to any track on the disc.

- Self Program Search System (SPSS)
When you wish to listen to the present program again from the beginning, or when you wish to skip to the next, this convenient feature allows you automatic program selection with one touch.

- Manual Search
You can quickly listen through the disc and find the selection you want to hear.

- Index Search
By using the index search system, you can quickly locate the passages for playback programming.

- Repeat Playback
This function repetitively plays back all programs or those selected in the random memory, or only those parts you desire.

- High-Speed Access
Access from track to track is all performed at high-speed access, allowing faster and smoother operation.

- Track Number, Index, and Playing Time Indicators

- Headphones Terminal with Level Control
BEFORE USE (Remove Transit Screw)

- Transit Screw
  This screw holds the laser pick-up so that it does not move during transport. The transit screw is located on the bottom of the player.

- Before Using the Unit
  Before connecting the power, be sure to turn the player on its right or left side, and remove the transit screw; keep it in a safe place for later use.

- When Transporting the Unit
  1. Turn on the power, open the drawer once and make sure that there is no compact disc in, then shut the drawer again. (By this, the laser pickup will be in its secure position.)
  2. Turn off the power, and stand the player on its side, then insert and tighten the transit screw.

PARTS AND THEIR FUNCTIONS (See figure 2 on page 44)

1. Power switch
2. Drawer
3. Drawer Open/Close button
   Press this when loading or unloading a disc.
4. Fast back button (◄◄)
   Press this button to reverse playback quickly.
5. Pause button (■■)
   When this button is pressed during playback, the play will come to a temporary pause, and the indicator for this button will light. When the play button is pressed, the unit will be released from the pause mode and once again begin playback.
6. Play button (►)
   This button is pressed to begin disc playback. During playback the indicator will light.
7. Stop/Clear button (■)
   Press this button to stop play or to clear the program.
8. Fast forward button (►►)
   Press this button for quick forward playback.
9. Program number buttons (0-9)
   These buttons are used when programming with random memory track search, or Auto DRPS.
10. Headphones jack
    Connect your headphones to this jack for private listening.
11. Output level control
    This is used when adjusting the output level to the headphones jack and the output terminal.
12. Call button
    This button is pressed to check the programmed numbers, or during playback, to check the next program to be played.
13. Repeat indicator
    This indicator lights during normal repeat play, and blinks during repeat play between two designated points.
14. Repeat button
    This button is pressed when performing repeat play.
15. Program button
    This button is pressed when memorizing programs for random memory track search.
16. Time counter
    This displays playing time in minutes (MIN) and seconds (SEC).
17. Index indicator
    This displays the index number.
18. Track number indicator
    This displays the track number being played, or the track numbers of programmed selections.
19. Output jacks
    These are connected to the amplifier's input terminals (CD, AUX, or TAPE PLAY). Output level can be adjusted by Output level control, so you can adjust the volume level to match that of other audio components.
20. Antishock switch
    This switch should normally be set in the "OFF" position.
    When using the unit in a location with large amounts of vibration, or when playing a disc with large eccentricity, sound skipping may occur. In that case, set the antishock switch to the "ON" position. However, if a scratched disc is played with the switch in the "ON" position, sound skipping may occur more frequently.
21. Power supply cord
CONNECTIONS (See figure 2 on page 44)

1. Connect the unit's OUTPUT left and right jacks with the CD/AUX or TAPE PLAY left and right input jacks on the amplifier using the accessory connecting pin cord. The output level can be adjusted by the output level control on the front panel.
2. Connect the power cord to the auxiliary power outlet on the rear panel of the stereo amplifier or to a household AC outlet.

NOTES
• Switch off the power to the components when connecting or disconnecting the pin cords.
• Do not connect to the PHONO jacks.

DISC LOADING

■ Opening
The drawer cannot be opened or closed unless the power is switched on.
1. When the Power switch (1) is turned ON, the Track number indicator (6), Index indicator (7), and Time counter (8) will flash, and then light.
2. When the Drawer Open/Close button (3) is pressed, the Track number indicator (6), Index indicator (7), and Time counter (8) will flash for about 5 seconds, and then the drawer will open.

■ Disc loading
1. Holding the disc so that your fingers do not touch its surface, place it on the Drawer (2) with the label side up. Check to make sure that it is resting securely on the four corner catches.
2. When the Drawer Open/Close button (3) is pressed, the drawer will close, and the disc will be loaded.
3. The loaded disc will rotate for several seconds while the player reads its contents, and will then come to a stop.
   The Track number indicator (6) will display the total number of tracks, and the Time counter (8) will display the total playing time.
   
   ![Total number of tracks](Image)
   ![Total playing time](Image)

   Whenever the disc is in the stop mode, these indicators will display the total number of tracks and total Playing time.
   • After inserting the disc in the drawer, if the Play button (▶) (6) is pressed, the drawer will close, and play will begin.
   • If the power is turned on, whenever the Drawer Open/Close button (3) is pressed, the drawer will open.

CAUTION
• Press the Drawer Open/Close button if you find that your fingers or any objects are stuck or wedged in the Drawer. The drawer will open.
• Do not insert objects into the disc drawer. It could result in malfunction.
• Do not force the drawer open or close by hand.
• When not using the player, keep the drawer closed to prevent the entry of dust and dirt.
• If the Drawer Open/Close button (3) is pressed while the drawer is in the process of opening, the drawer will not close.
1. Press the Power switch (1). Then press the Drawer Open/Close button (3) to open the drawer and load the disc.

2. Once the disc has been loaded, press the Drawer Open/Close button (3) to close the drawer.

NOTES
- The loaded disc will automatically rotate for several seconds while the player reads its track number, playing time, etc., and then stop. Only perform the various operations for playing after the disc’s total number of tracks and total playing time is displayed on the indicators.

3. Press the Play button (▶) (6) to start play.

4. Press the Pause button ( ■ ) (5) when a temporary halt is desired during disc play.

5. Press the Stop/Clear button ( ■ ) (7) to stop play. The program is cleared at the same time.
- When the disc comes to the end of its play, it will automatically stop.

- If the total number of tracks and the total playing time is not displayed after disc loading, check to make sure you have not placed the disc upside down, and try to load the disc again.
- If playback does not begin even after pressing the Play button (6), try pressing the Stop/Clear button ( ■ ) (7) once, then operate again for playback.

1. Auto DRPS
   (Auto digital random program selector)
- If you perform the following operation before beginning playback, you can begin listening from the track of your choice. In this case, the track number of the selected track will be displayed until the play button is pressed.
- If the following operation is performed during playback, you can change to the track of your choice. In this case, the track number of the selected track will be displayed for approximately 5 seconds.
- Select the track of your choice with the Program number buttons (9), and while the number of the selected track is displayed in the Track number indicator (8), press the Play button (▶) (6). Playback will begin with the track you have selected.

2. SPSS
   (Self-program search system)
- Listening to the track following that presently being played
  During playback, if the Fast forward button ( ▶ ▶ ) (8) is pressed while you press the Play button ( ▶ ) (6), playback will move to the next track.

- Listening to the present track again
  During playback, if the Fast back button ( ◄ ◄ ) (4) is pressed while you press the Play button ( ▶ ) (6), playback will move to the beginning of the track presently being played.
Program play with random memory track search

The random memory track search function searches for the desired tracks on the disc in the desired order and plays them automatically.

1. Load the disc and start the programming after the disc has stopped rotating.
2. First select the desired track numbers using the Program number buttons (0-9) and then press the Program button after each selection. The number of the selected track will be indicated on the Track number indicator.

(Example)
To select the third track, press the button 3, and then the Program button; to select the twelfth program, press 1 and 2 and press the Program button. You can program a maximum of 15 selections.

(Example)
To program the third track and the twelfth track

3. Press the Play button (▶). The tracks are automatically played in the programmed order.

Possible manual operations during Program play:
During programmed play by random memory track search, you can still perform Auto DRPS, SPSS, pause, manual search etc. When these operations are performed, the programmed contents will not be erased, so even if you perform Auto DRPS (for example), when that selected track ends, the playback will automatically return to its programmed selections.

Clearing the program contents during programming
During programming, if you should mistakenly press a Program number button, press the Stop/Clear button (■) and reselect the correct track number.

Wrong track number
Correct track number

Checking the program contents
When you wish to confirm the numbers of the selections you have programmed, press the Call button (□). The Track number indicator will display the programmed selections in order, for about 2 seconds each.

NOTES
- If the Call button is pressed during playback or during the pause mode, the track number of the next program to be played will be displayed.
- If the Call button is pressed during the playback of the last programmed selection, the display will show “0”.

Clearing all the programs
When you wish to clear all selections programmed, press the Stop/Clear button (■). When the programs are cleared, the Track number indicator and Time counter will display the total number of tracks and the total playing time.

NOTES
- When all programmed selections have been played, the program will be cleared.
- If the Stop/Clear button is pressed during program play, the playback will be stopped and the program will be cleared.

Displays with random memory track search
- During programming, the track number of the selected track only will be displayed on the Track number indicator.

- During program playback, the Indicators, will display the track number of the track being played, and its index number. The Time counter will display the elapsed playing time.

Repeat play
Repeat play can be performed of all the tracks on the disc, or only those tracks programmed. In addition, you can perform repeat play between any two designated points on the disc.

When you wish to repeat all tracks, or only programmed selections
- When the Repeat button is pressed, the Repeat indicator lights to indicate repeat play. Unless the random memory track search function is used, all the tracks will be played repeatedly until the Stop/Clear button is pressed. If the random memory track search function is used, only those tracks which have been programmed will be played repeatedly.
- When the Stop/Clear button (■) is pressed, repeat play is cancelled, and the Repeat indicator will go out.
NOTES
- If the Repeat button ④ is pressed during normal playback, repeat play of all programs on the disc will commence.
- Even if the Repeat button ④ is pressed during program play, repeat play will not commence.

■ Repeat play between two points
- During playback, press the Repeat button ④ at the point at which you wish repeat play to begin; press the Repeat button ④ again at the point at which you wish repeat play to end. The playback will return to the first point at which you pressed the Repeat button, and repeat play will begin there.
- The Repeat indicator ⑤ will light the first time you press the Repeat button, and it will flash the second time you press the button, thus indicating "Repeat play between two points".
- To cancel "Repeat play between two points", press the Repeat button ④ once again. The Repeat indicator ⑤ will go out, and the unit will be switched to the normal playback mode.

6 Manual search
With this function, you can listen quickly to chosen selections. It is very convenient for searching for a chosen portion of a long program and beginning playback from that portion.

■ Fast forward manual search
During playback, if the Fast forward button (►►) ⑧ is pressed continuously, playback will be advanced quickly during the time the button is held depressed.

6 Index search
With this function, you can perform selection and search of portions of a track divided into index numbers.
Using the Program number buttons ⑨, select your chosen track and index numbers, entering two digits for each number. When the Play button (▶) ⑥ is pressed, play will begin from the designated index numbers.

(Example 1)
To select index number 2 of track number 3, press;

\[0\cdot3\cdot0\cdot2\]

(Example 2)
To select index number 5 of track number 12, press;

\[1\cdot2\cdot0\cdot5\]

* Select track number and index number using two digits each.

Your chosen track number and index number will be displayed.
7 Pause-standby
By using the four following methods, you can search for tracks or parts of tracks and place the unit in the pause (standby) mode. When the Play button (►) ⑧ is then pressed, playback will begin.

■ Searching by Auto DRPS
1. Select the track number you wish to hear using the Program number buttons ⑨.
2. Press the Pause button (■) ⑩. The unit will search for the selected track and enter the pause mode.

MAINTENANCE

■ Treat disc surfaces carefully
Handle the discs so that fingerprints and dust do not adhere to the surfaces of the discs. To clean-off, use a soft cloth. Do not use a hard cloth since this will mark the disc.

■ Clean cabinet and panels when dirty
Clean off dirt on the surfaces with a dry cloth. Never use thinners, benzene or alcohol since these will damage the surface finish.

TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Trouble</th>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power is turned on, but indicators do not light.</td>
<td>1. Power plug is not connected securely.</td>
<td>1. Insert the power plug into the power outlet securely.</td>
</tr>
<tr>
<td>You attempted to close Drawer by hand, but it stopped part way.</td>
<td>1. Attempting to close the Drawer forcibly caused the drawer operation to not work properly.</td>
<td>1. Use the Drawer Open/Close button to open and close the Drawer properly.</td>
</tr>
<tr>
<td>Disc is loaded, but total number of programs is not displayed.</td>
<td>1. Disc is loaded upside down. 2. Disc is dirty. 3. Disc used is nonstandard.</td>
<td>1. Load the disc correctly. 2. Clean the surface of the disc. 3. Replace the disc.</td>
</tr>
<tr>
<td>Play button (►) is pressed, but play does not begin.</td>
<td>1. Transit screw has not been removed. 2. Disc is dirty. 3. Disc has scratches or is warped.</td>
<td>1. Remove the transit screw. 2. Clean surface of disc. 3. Replace disc.</td>
</tr>
<tr>
<td>No sound is produced.</td>
<td>1. Connector pin-cords are not connected. 2. Output level control is turned down.</td>
<td>1. Connect the connector pin-cord to the output terminals of the player and the input terminals of the amplifier. 2. Turn the control clockwise (↑).</td>
</tr>
<tr>
<td>Sound is distorted.</td>
<td>1. Connections to amplifier are wrong. 2. Amplifier output is set too high and sound is being clipped.</td>
<td>1. Connect player to amplifier correctly. 2. Turn down the amplifier output volume.</td>
</tr>
<tr>
<td>A particular spot on the disc does not play correctly (sound cuts out, or same spot is repeated).</td>
<td>1. Disc has scratch or other damage. 2. Disc is dirty.</td>
<td>1. Use the Fast forward button to pass over the part scratched. 2. Clean the surface of the disc.</td>
</tr>
<tr>
<td>Button is pressed, but operation is not performed correctly.</td>
<td>1. Operation searching for play position does not match with button operation. 2. Disc is scratched or dirty.</td>
<td>1. Try pressing the Stop/Clear button once and then attempt play again. 2. Try turning the power off and then on again; remove the disc and look for scratches or dirt and then attempt playback again.</td>
</tr>
</tbody>
</table>
PRECAUTIONS FOR USE

- Discs which can be played on this player have the following mark on them:
- During playback, if the player is subjected to a sudden shock or jolt, the speed of rotation may suddenly change, or some noise may be produced. This is not a malfunction.
- If the player is operated while you are receiving an FM/AM radio broadcast, you may hear noise on the radio broadcast. In this case, turn the player's power switch off.
- If other audio components or their connecting cords are installed near this player, you may hear a humming sound. In this event, try changing the location of the other components or their wiring.
- Whenever moving the player, be sure to first remove the disc from it. If the player is moved with a disc loaded, the disc may be damaged.
- The DA-800 has a wide dynamic range. As a result, if you turn your amplifier's volume up too high during soft (low volume) parts of a program, your speakers may be damaged when the dynamic range of a sudden loud passage is produced.
- Do not move the player suddenly from a very cold room into a warm room. When a chilled player is moved suddenly to a warm location, moisture condensation may form on the pickup lens, preventing proper operation. In this case, wait 30 minutes before resuming play.
- Do not place foreign objects in the disc drawer and attempt to operate the drawer control (Open/Close) function. It may cause damage to the mechanism.
- Do not store discs in high-temperature, high-humidity locations. The discs may develop warps and become unable to play. Also, discs with moisture on them may be unplayable. Wipe any moisture off with a soft, dry cloth before using.
- When installed in an enclosed place, this appliance may malfunction due to poor ventilation. Never place this appliance on an amplifier which generates heat.
## SPECIFICATIONS

**AUDIO**
- Number of channels: 2
- Frequency response: 5 – 20,000 Hz ±0.5 dB
- Dynamic range: 95 dB
- Signal-to-noise ratio: 95 dB
- Harmonic distortion: 0.003% (at 1 kHz)
- Separation: 94 dB (at 1 kHz)
- Wow/flutter: Less than measurable limits (±0.001% W: peak)
- Output voltage: 2.5 V

**DISCS USED**
- Compact Disc:
  - Playing time: Approx. 60 minutes/one side (Max. 79.8 minutes)
  - Diameter: 120 mm

**SIGNAL FORMAT**
- Sampling frequency: 44.1 kHz
- Quantization number: 16-bit linear/channel
- Transmission bit rate: 4.3216 Mb/sec

**PICK-UP**
- System: Object lens drive system; optical pick-up

**GENERAL**
- Power requirements: AC 120 V, 60 Hz (For Canada)
- Power consumption: ~220 V, 50 Hz (except Canada)
- Dimensions: 23 W
- Weight: 436 (W) x 110 (H) x 264 (D) mm
- Weight: 5.9 kg

**ACCESSORIES**
- Connecting pin cords

Specifications and design may be changed without notice for improvement.

---

## TECHNISCHE DATEN

**AUDIO**
- Zahl der Kanäle: 2
- Frequenzgang: 5 – 20,000 Hz ±0.5 dB
- Dynamikumfang: 95 dB
- Signal-Rauschabstand: 95 dB
- Klanggrad: 0.003% (bei 1 kHz)
- Übersprechdämpfung: 94 dB (bei 1 kHz)
- Gleichlaufschwankungen: unter Meßgrenze
- Ausgangsspannung: ±0,001% Effektivwert
- Sampling frequency: 2.5 V
- Quantisierung: Compact Disc
- Übertragungsbitraten: ca. 60 Minuten/1 Seite (max. 79,8 Minuten)
- Durchmesser: 120 mm
- Signalformat: 44,1 kHz
- Abtastfrequenz: 16 Bit linear/kanal
- Quantisierung: 4,3216 Mb/s

**ABTASTER**
- System: Objektivanstriebsystem, optischer Abtaster

**ALLGEMEIN**
- Stromversorgung: 120 V, 60 Hz Wechselspannung
- Leistungsaufnahme: (für Kanada)
- Abmessungen: 23 W
- Gewicht: 435 (B) x 110 (H) x 264 (T) mm
- ZUBEHÖR: 5,9 kg

Verbindungssitzensteckerkabel

Änderungen der technischen Daten und des äußeren Erscheinungsbildes, die dem Fortschritt dienen, bleiben jederzeit vorbehalten.

---

## FICHE TECHNIQUE

**AUDIO**
- Nombre de canaux: 2
- Réponse de fréquence: 5 – 20 000 Hz ±0,5 dB
- Gamme dynamique: 95 dB
- Rapport signal/bruit: 95 dB
- Distorsion harmonique: 0.003% (à 1 kHz)
- Séparation: 94 dB (à 1 kHz)
- En-deçà des limites mesurables: ±0,001% W en crête
- Tension de sortie: 2.5 V
- DISQUES UTILISES: Disques compacts
- Durée de lecture: Environ 60 minutes par face (Maximun 79,8 minutes)
- Diamètre: 120 mm

**FORMAT DES SIGNAUX**
- Fréquence d'échantillonnage: 44,1 kHz
- Numéro de quantification: 16 bits, linéaire/canal
- Vitesse de transmission des bits: 4,3216 Mb/s

**PHONOCAPTEUR**
- Système: Phonocapteur optique à système d'entraînement de la lentille

**Système d'entraînement de la lentille**

**Source optique**

**Longueur d'onde**

**DONNÉES GÉNÉRALES**
- Consommation: CA 120 V, 60 Hz (pour le Canada)
- Dimensions: 23 W
- Poids: 435 (L) x 110 (H) x 264 (P) mm
- ACCESSOIRES: 5,8 kg

Cords de branchement à broches

Entraînement parallèle à deux dimensions
- Laser à semi-conducteurs
- 790 nm

Cet appareil est conforme aux prescriptions de la directive 76/889/CEE.