# gemini
SOUND PRODUCTS WITH SOUND IDEAS

# COMPACT DISC PLAYER

W/PITCH   CONTROL
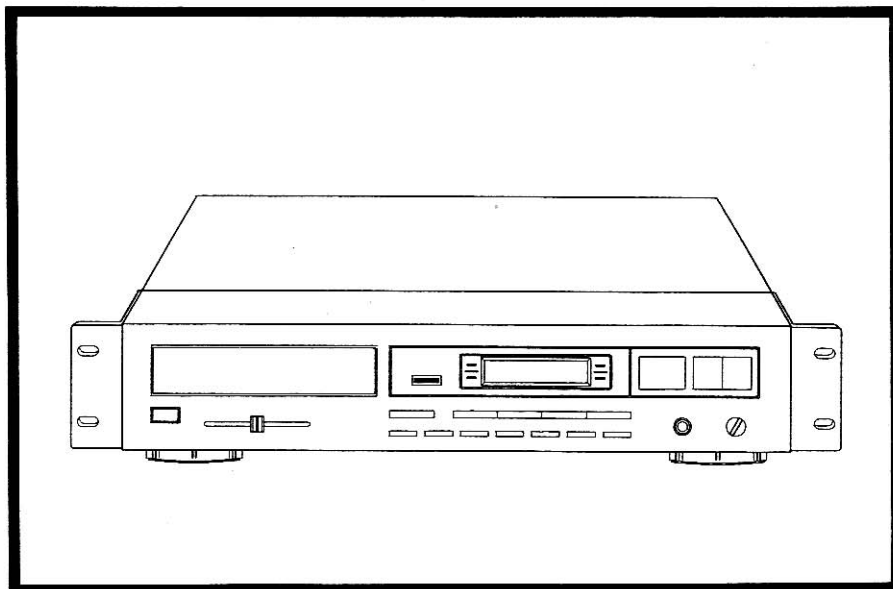
# CD-100

# INSTRUCTION   MANUAL

# Table of contents

## General Information

This manual is designed to give all necessary information and instructions for the successful operation of your Compact Disc Player. If you are installing the unit yourself, please pay careful attention to the section on connecting the CD player to other units in your sound system. Complete information is given on the following pages.

The power supply is shown beside the outlet for the AC cord.

Your CD player is designed to be unaffected by temperature and voltage changes under normal conditions. For longer Service life and operating safety, the CD player should not be placed near sources of extreme heat (close to heating units, radiators or direct sunlight) or areas of high humidity. Voltage fluctuations greater than + 10% can lead to poor perforance or breakdown.Should you have any questions on these points. please consult with your dealer for further information.

To bring your CD player into operating, the output cable has to be connected to the amplifier and power cable has to be plugged into an AC wall outlet.

Follow the connection and operating instructions carefully in a step-by-step manner and, within a short time you will have gained all knowledge needed for successful operation of your CD player.

Before the unit is switched on for the first time, please check that all connections and installation requirements have been completed. The volume control on the amplifier should be set to the minimum postion.

## FOR SAFE AND EFFICIENT OPERATION

● Select the installation location of your unit carefully. Avoid placing it in direct sunlight. Also avoid locations subject to vibration and excessive dust, heat, cold or moisture. Keep away from sources of hum, such as transformers or motors.

● Do not use this compact disc player where there are extreme temperatures (below 41 $^{\circ}$F/5 $^{\circ}$C or exceeding 95 $^{\circ}$F/35 $^{\circ}$C).

● Do not open the cabinet as this might result in damage to the set or electrical shock.

● Be sure your hands are clean when handling disc. Never insert a disc that has crack on its surface.

● When disconnecting the power cord from the AC outlet always grasp it by the plug. Never pull the cord.

● Do not use force when operating the switches and buttons.

● Before moving the set, be sure to disconnect the power cord and all connecting cables.

● To keep the laser pick-up clean, do not forget to close the disc tray.

● Do not attempt to clean the unit with chemical solvents as this might damage the surface. Use a clean, dry cloth.

● Keep this manual in a safe place for future reference.

● If the unit malfunctions, do not open the cabinet & attempt to repair yourself. Always request service at an authorized service center.
**CAUTION:** USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
THE COMPACT DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT QUALIFIED SERVICE PERSONNEL.

## SAFETY CERTIFICATION

CLASS 1 LASER PRODUCT

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
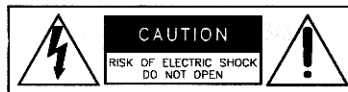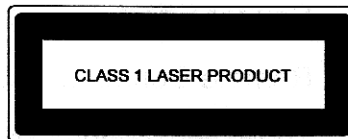
**Explanation of Graphical Symbols:**
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.
**CAUTION:** USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

THE COMPACT DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT QUALIFIED SERVICE PERSONNEL.
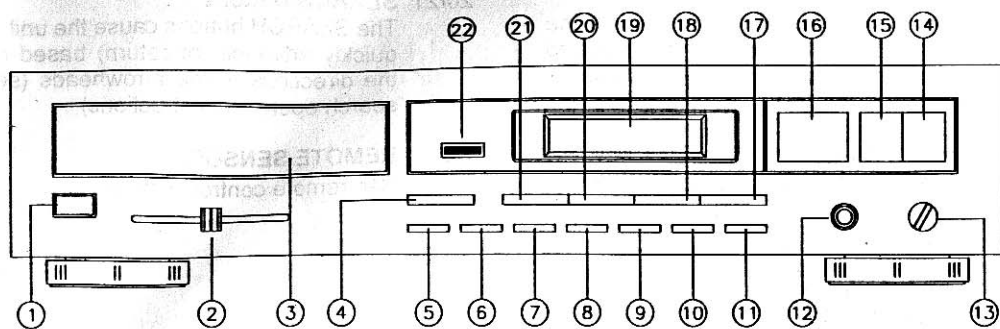
## Front Panel Controls

1. **POWER Switch**
   Turns the unit ON & OFF.

2. **PITCH CONTROL**
   Pushing the slide to the left will decrease the speed of the CD. Pushing the slide to the right will increase the speed of the CD. Set the slide to ZERO (center) for normal speed.

3. **Disc Tray**
   When the CD player is switched on, press the OPEN/CLOSE button to open this tray. Press the OPEN/CLOSE button again, or gently push on the front of the tray to close this tray.

4. **OPEN/CLOSE Button**
   Press this button to open the disc tray. Press this button again to close the disc tray.

5. **AUTO SPACE button**
   Inserts a 4-second blank space between each selection enabling you to locate selections when using a tape deck for recording.

6. **PROGRAM button**
   Use this button to select sequence of tracks for disc play (see programmed disc play instructions).

7. **SHUFFLE button**
   Pressing this button will cause the CD-100 to play tracks in random order.

8. **REPEAT button**
   Press this button to repeat disc play of one track, all tracks or all programmed tracks (see repeat operating instructions).

9. **A ◄─► B button**
   Utilized to repeatedly play the portion from a certain point A to certain point B (see repeat operating instructions).

10. **INTRO button**
    Use this button to listen to only the beginning of each track for 10 seconds (see operating instructions).

11. **TIME button**
    Press this button to change the time display from elapsed time on the track to remaining time on track or disc.

12. **HEADPHONE JACK**
    1/4" Headphone jack

13. **HEADPHONE LEVEL control**
    Controls volume of headphones plugged into the HEADPHONE JACK (12).

14. **CUE button**
    The CUE button is used to set up the "stutter effect" (see stutter effect operating instructions).

15. **STOP button**
    The STOP button causes the unit to enter the stop mode (play will cease).

16. **PLAY/PAUSE button**

The PLAY/PAUSE button causes the CD-100 to switch from Play mode to Pause mode and back (see play/pause operating instructions).

17/18 **TRACK buttons**

The TRACK buttons cause the unit to skip forward or backward to the desired track.

19. DISPLAY window

Liquid crystal display (see display section).

20/21 **SEARCH buttons**

The SEARCH buttons cause the unit to quickly advance (or return) based on the directions of the arrowheads (see search operating instructions)

22. **REMOTE SENSOR**

See remote control section.

## INSTALLATION OF TWO RACK EARS
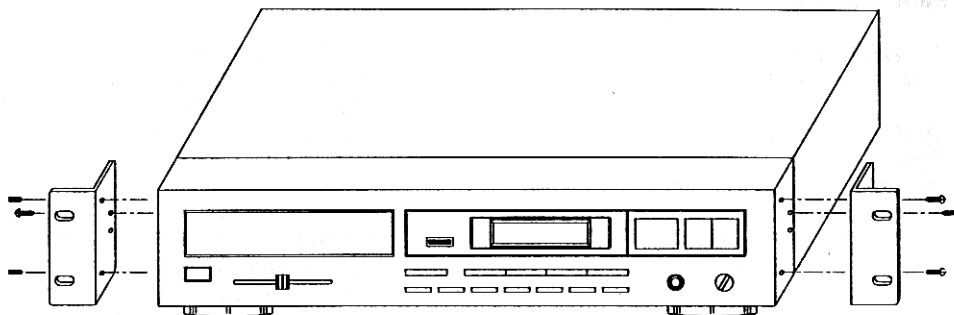


## CONNECTING ON THE REAR PANEL
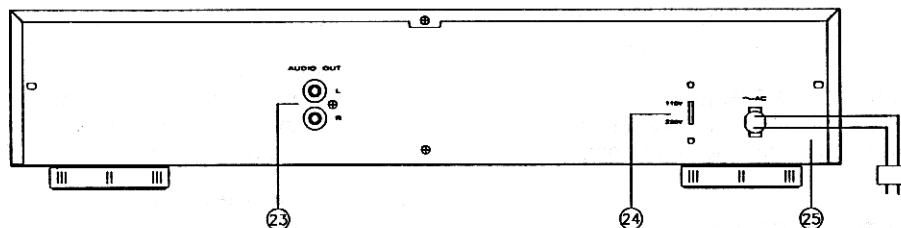


**CAUTION:**

- Before connecting or disconnecting a unit from an audio system, be sure to switch off the power to each component.
- Be sure to make the correct connections playing attention to the **L** (left channel) and **R** (right channel) marks. Plug the cable securely. Loose connections will result in unsatisfactory sound reproduction or cause noise problems.
- If this unit interferes with the tuner, switch off the unit during tuner operation.
- **AUDIO OUT jacks** ㉓
  Connect one end of the supplied **RED/WHITE** output cable to the unit's **AUDIO OUT** jacks and the other ends to

the jacks labeled **CD, DAT, AUX, TAPE PLAY, TV, TUNER,** etc., on the mixer. Do not connect it to the mixer's **PHONO** jacks.
- **AC Power Selector Switch** ㉔
  110V/60Hz or 220V/50Hz AC.
- **AC Power Cord** ㉕
  After completing the installation and all connections, make sure that the **POWER** switch on the front panel of the unit is set to **OFF**. Then plug the power cord into a **MAINS** outlet.

## Display
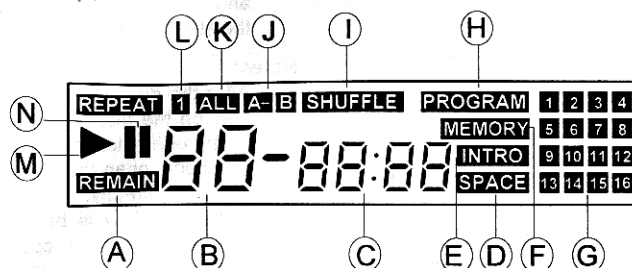


A.  **REMAIN** indicator
B.  **TRACK** display
C.  **TIME** display
D.  **AUTO SPACE** indicator
E.  **INTRO** indicator

F.  **MEMORY** indicator
G.  **MUSIC CALENDAR**
H.  **PROGRAM** indicator
I.  **SHUFFLE** indicator
J.  **REPEAT A TO B** indicator

K.  **REPEAT ALL** indicator
L.  **REPEAT 1** indicator
M.  **PLAY** indicator
N.  **PAUSE** indicator

## COMPACT DISCS
## HANDLING THE DISCS

This unit has been designed to play 8cm or 12cm compact discs bearing the identification logos shown below. No other discs can be played.



- Always place the compact disc in the disc tray with the label facing upward. Compact discs can be played on only one side.
- To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.



a) Lift out

b) The proper way to hold a compact disc
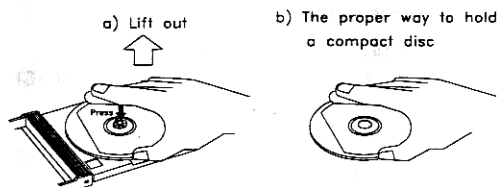
- Fingerprints and dust should be carefully wiped off the disc's signal surface (glossy side) with a soft cloth. Unlike conventional records, the compact disc has no grooves to collect dust and microscopic debris so gently wiping with a soft cloth should remove most particles. Wipe in a straight motion from the inside to the outside of the disc. Small dust particles and light stains will have absolutely no effect on reproduction quality.

- Never use such chemicals as record sprays, anti static sprays or fluid, benzine or thinner to clean compact discs. Such chemicals would irrepairably damage the disc's plastic surface.
- Discs should be returned to their cases after use to avoid serious scratches that could cause the laser pickup to skip.
- Do not expose discs to direct sunlight, high humidity, or high temperatures for extended periods. Long exposure to high temperatures can warp the disc.
- Do not stick paper or write anything with a ball-point pen on the disc surface.

## OPERATING INFORMATION
LOADING AND UNLOADING DISCS
1.  Press the **POWER** switch.
    (If the disc tray is already open, it will close automatically.)
2.  Press the **OPEN/CLOSE** button. The disc tray will open.
    If the disc tray is blocked while opening, the tray will stop and close automatically after approximately 8 seconds.
3.  When the disc tray has opened fully, remove a 12 cm disc from its case and place it carefully in the tray with the label side facing up,



a) 12 cm disc.
b) Label surface.
c) Disc tray
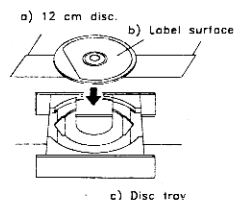
or remove an 8 cm disc from its case and place it correctly in the inner groove of the tray with the label side facing up.

a) 8 cm disc.
b) Label surface.
c) Disc tray
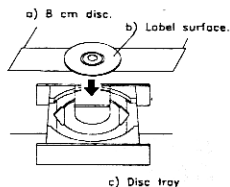
**Note:** Only load one disc at a time into the disc tray.

The side opposite the label is the signal side. Handle the disc carefully to avoid leaving fingerprints on the disc surface.

4. To close the disc tray, press the **OPEN/CLOSE** button again. When the tray with a correctly loaded disc is fully closed, the disc will start turning automatically, and the total number of tracks will be read. The disc will then stop and the **TRACK** display will change from **"00"** to indicate the total number of tracks. The **MUSIC CALENDAR** will display and the **TIME** display will show the total playing time of the disc in minutes and seconds. The **CD** player will be set to the disc play standby mode.

After the disc is loaded, press the **PLAY** button to close the tray and automatically start disc play from the beginning of the first track.

After the disc is loaded, press the **PAUSE** button to close the tray and set the **CD** player to the pause mode.

● **Removing the disc**

The disc tray can be opened at any time by pressing the OPEN/CLOSE button.

Remove the disc only after the tray has fully opened.

**CAUTION:**

● Do not put anything except a compact disc into the tray. Foreign objects can damage the mechanism.

● Do not force the tray by hand during the opening and closing operations.

● To avoid dirt and dust entering the mechanism, keep the disc tray closed when the CD player is not in use.

● Never load two discs into the disc tray.

**CONTROL AND OPERATION**

This section describes the compact disc player's controls in the order in which you would normally use them. Follow the instructions in a step-by-step sequence and in a very short time you will master complete operation of the unit.

If the disc is correctly loaded, the following information will be shown.

**EXAMPLE:** There are 8 tracks on the disk.
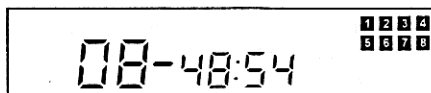


- The disc has a total playing time of 48 minutes and 54 seconds. The CD player will be set to the standby mode.

**Notes:**

- After the disc tray is fully closed, **"DISC"** may stay on the display. This means that the disc is improperly loaded (most likely upside down). To check, open the disc tray again and reload the disc correctly.

- If the disc tray is blocked while closing, the tray will stop and open automatically after approximately 8 seconds. If this happens, check the disc tray. Remove any obstacle before closing the tray again.

● **NORMAL DISC PLAY**

Before playing a disc, check the **CD** player's power cord and output cable connections (refer to the section **CONNECTING THE COMPACT DISC PLAYER**).

1. Switch on the amplifier and set its input selector to the correct position for disc play, or plug the headphones to the headphones socket. Adjust the volume control to minimum.

2. Press the **POWER** switch.

3. Press the **OPEN/CLOSE** button to open the disc tray, and load a disc.

4. Press the **OPEN/CLOSE** button again to close the disc tray.

5. Press the **PLAY** button. Disc play will start from the beginning of the first track. If the desired track has been selected by ▶▶| or |◀◀ button before pressing the **PLAY** button, disc play will start with the selected track when the **PLAY** button is pressed. Adjust the volume control to desired listening level when using headphones.

6. When the last track has finished playing, the CD player will return to the standby mode.
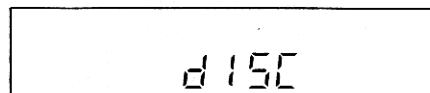
**NOTES:**

- If the disc is seriously scratched, or too dirty, disc play may not start.

- If an improperly centered disc is played, noise can be heard in the mechanism. The use of such discs should be avoided.

7. NORMAL OPERATION

● When switch on the power, the **TRACK** display will show **"00"** for 5 seconds.
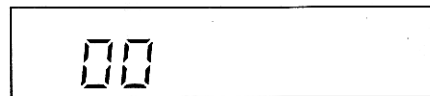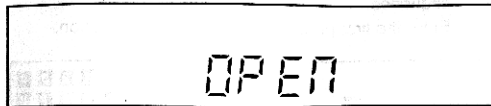


If there is no disc, the display will show **"DISC"**
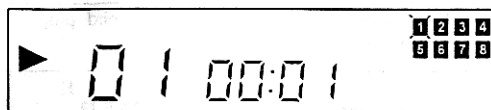


If there is a disc, the display will show the total number of tracks and total playing time.

- **To insert a disc**
  Press OPEN/CLOSE button, the display will show "OPEN"

```
      OPEN
```

- **To start play**
  Press the **PLAY** button. Disc play will start. The display will show the **PLAY** indicator, track number and the elapsed time of the track being played, and the **MUSIC CALENDAR** will display the total number of tracks ready to play (maximum 16 tracks), and the playing track is blinking.

```
► 01 00:01    [1][2][3][4]
              [5][6][7][8]
```

- **To stop disc play**
  Press the **STOP** button. Disc play will stop, the **PLAY** indicator will go off, the **TRACK** display will show the total number of tracks, **MUSIC CALENDAR** will display the numbers of tracks on the disc (total 16 tracks only), and the **TIME** display will show the total playing time.

```
  08 48:54    [1][2][3][4]
              [5][6][7][8]
```
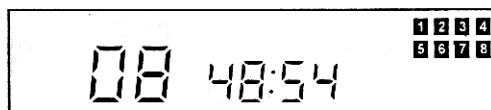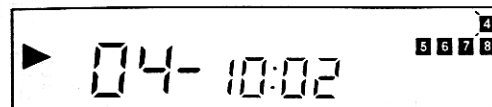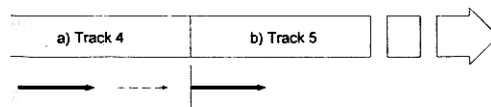
- **To temporarily stop disc play**
  Press the **PAUSE** button. Disc play will stop at the current play position. The **PAUSE** indicator will display. Press the **PAUSE** button again, or press the **PLAY** button to resume disc play from the pause mode. The **PAUSE** indicator will go off.
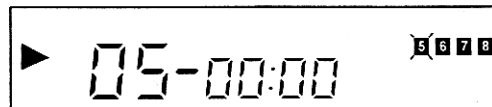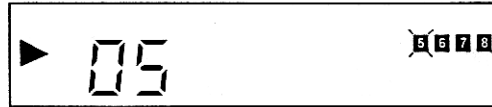
```
►II 01 00:06   [1][2][3][4]
               [5][6][7][8]
```
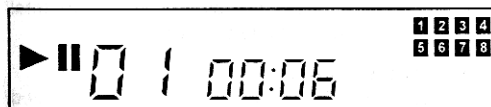
To listen to the desired track
Press the SKIP ▶▶| |◀◀ button to select the desired track. The number of the selected track will be shown on the **TRACK** display.

- **To skip to the next track**
  Example: To skip ahead to the beginning of track 5 while track 4 is playing ...

```
| a) Track 4 | b) Track 5 |  [ ] >
```

-7-

```
► 04- 10:02      [4]
                 [5][6][7][8]
```

⬇

Press the ▶▶| button once.

```
► 05          [5][6][7][8]
```
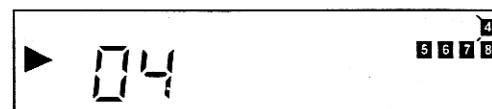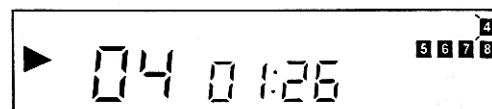
⬇

```
► 05-00:00    [5][6][7][8]
```
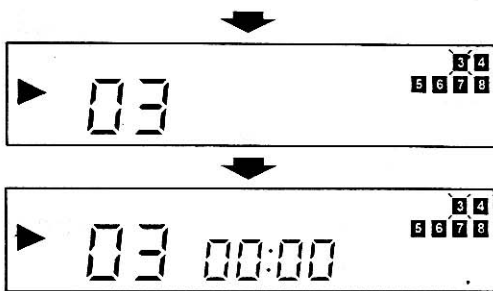
Disc play starts with track 5.

The **CD** player will skip ahead to the next track each time when the ▶▶| button is pressed. Continuously pressing the ▶▶| button makes the **CD** player skip ahead through the disc track by track. Advance to the track that you want to hear. The **CD** player can be advanced to the last track in this way. Once the beginning of the last track is reached, the **CD** player will not advance any further unless the ▶▶| button is pressed. Disc play will start at the beginning of the last track when the ▶▶| button is released.

- **To skip back to the previous track**
  Example: To skip to the beginning of track 3 while track 4 is playing ...

```
| a) Track 3 | b) Track 4 |  [ ] >
```
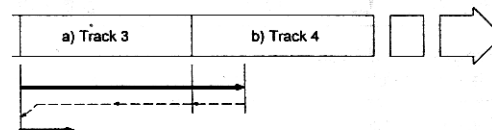
Press the |◀◀ button once, the player will skip to the beginning of current track.
Press the |◀◀ button again, the player will then skip to the beginning of previous track.

```
► 04 01:26       [4]
                 [5][6][7][8]
```

⬇

```
► 04             [4]
                 [5][6][7][8]
```

```
▶ 03                    🄳🄴
                        🄵🄶🄷🄸
```



```
▶ 03  00:00             🄳🄴
                        🄵🄶🄷🄸
```

## To Search a Particular Point Quickly

During disc play mode, press the **SEARCH** ▶▶ or ◀◀ for fast-forward or fast-reverse operation.

• During disc play mode
  When ▶▶ or ◀◀ button is pressed, the sound will be attenuated to about 1/4 of the normal disc play volume level.

• During the pause mode
  No sound will be heard during the search operation.

## To Check the Disc Remaining Time

• During normal disc play, when **TIME** button is pressed once, the **REMAIN** indicator will display and the remaining playing time of this track will be shown on the **TIME** display. When this button is pressed again the **TRACK** display will go off, and the rest playing time of the disc will be shown on the **TIME** display. When this button is pressed a third time, the **TIME** display will return to the elapsed time of the track being played, and the **REMAIN** indicator will go off.

## Note:

If the track playing is beyond the 32nd tracks, and the **TIME** button is pressed, "⌗⌗:⌗⌗" will show on the **TIME** display.



```
▶ 32-00:00              🄳🄴
                        🄵🄶🄷🄸
REMAIN                  🄸🄼🄽🄾
                        🄼🄽🄾🄿
```
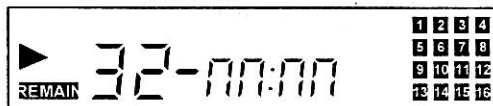
## Programmed Disc Play

It is not possible to enter programs during disc play. Press the **STOP** button first, then enter a program.
Entering a Program
1. Press the **STOP** button.
2. Press the **PROGRAM** button, the **MEMORY** indicator will display, the **TRACK** display will show "00" and the **TIME** display will show "P:01". Select a track number using ▶▶| or |◀◀ button.
3. Press **PROGRAM** button, the first selected track is now stored in the program memory. The **TRACK** display will show "00", and the **TIME** display will show "P:02". Select a track number using ▶▶| or |◀◀ button.
4. Repeat step 3 until all the desired tracks are programmed in memory (up to a total of 21). If more than 16 selections are entered, the rest would not be shown on the **MUSIC CALENDAR**.
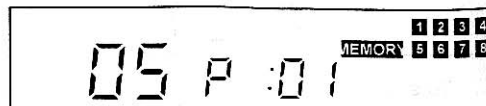
## Notes:

- If any track is finished during the disc play, the played track will automatically disappear on the **MUSIC CALENDAR**.
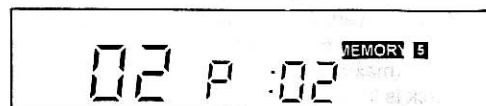- To modify the program, press the **STOP** button and restart from step 2.

## EXAMPLE
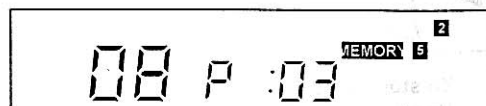
To play track 5, track 2 and track 8 in programmed sequence.
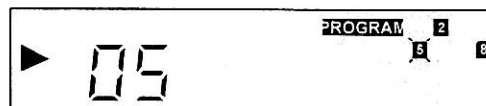
a) Enter the first program track 5 using ▶▶| button.



```
05 P :01         🄵🄵🄵🄵
          MEMORY 🄵🄶🄷🄸
```

b) Press **PROGRAM** button, enter the second program track 2, using ▶▶| button.



```
02 P :02    MEMORY 🄵
```

c) Press **PROGRAM** button, enter the third program track 8 using ▶▶| button.



```
08 P :03         🄶
          MEMORY 🄵
```

d) Press the **PLAY** button.



```
▶ 05        PROGRAM 🄶
                    🄵  🄸
```



```
05-00:00    PROGRAM 🄶
                    🄵  🄸
```

e) The first programmed track start to play.

## Listening to programmed track...

1. Press the PLAY button, the **PLAY** indicator will display.
2. Disc play will start from the beginning of the first programmed track.
3. When all of the programmed tracks have finished playing, the **LCD** display will show the total number of tracks and total playing time.

## To review the Program Contents...

1. Press the **STOP** button once during programmed disc play.
2. Press the **PROGRAM** button. All the track numbers stored in the program memory will be automatically shown on the **MUSIC CALENDAR** (up to 16 tracks can be shown).

## To Clear the Program Memory...

1. During programmed disc play, press the STOP button once to return the CD player to the standby mode.
2. Press the **OPEN/CLOSE** button once, the program memory will be cleared.

## Note:

The program memory will also be cleared if the CD player's power is switched off.

**Repeat Disc Play**

Use the **REPEAT** button for the repeat disc play of one track, all the track on the disc, or repeat all programmed track.

For repeat disc play of one track

1. Press **REPEAT** button once, the **REPEAT 1** indicator will display.
2. Select the desired track for disc play using ▶▶| or |◀◀ button. The track number will be shown on the **TRACK** display.
3. Press the **PLAY** button, the **PLAY** indicator will display.
4. The selected track will be played through to its end, and the **CD** player will automatically return to the beginning of the track. Repeat disc play will continue until the **STOP** button is pressed.
5. If the **REPEAT** button is pressed twice (the **REPEAT 1** indicator will go off), repeat play will end, and the normal disc play will continue from that point.
6. When the last track has finished playing, the **CD** player will return to the stop mode, and the **PLAY** indicator will go off.

For repeat disc play of all the tracks on a disc

1. Press the **REPEAT** button twice, the **REPEAT ALL** indicator will display.
2. Press the **PLAY** button, the **PLAY** indicator will display.
3. The disc will be played through to the end of the last track, and the **CD** player will automatically return to the beginning of the first track. Repeat disc play will continue until **STOP** button is pressed.
4. If the **REPEAT** button is pressed once (the **REPEAT ALL** indicator will go off), repeat play will end, and normal disc play will continue from that point.
5. When the last track has finished playing, the **CD** player will return to the stop mode, and the **PLAY** indicator will go off.

Repeat play function can be activated on program playing.

**Repeat A ◀▶ B Disc Play**

Utilized to repeatedly play the portion from a certain point **A** to **B**.

1. Press **A ◀▶ B** button at the starting point of **A**. **REPEAT   A ◀▶ B** a blinking "B" will display. Point **A** is then memorized.
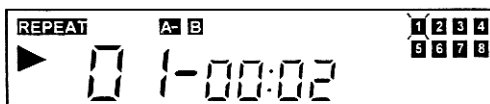


2. Press **A ◀▶ B** button again. **B** indicator will not blink. Point **B** is then memorized. This portion between **A ◀▶ B** is repeatedly played.
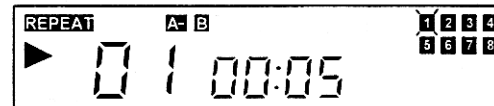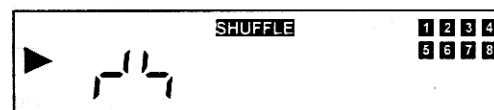


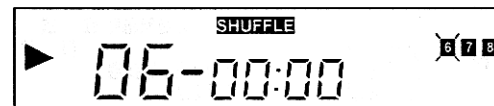3. To clear **A ◀▶ B REPEAT**, press **A ◀▶ B** button or **REPEAT** button once.

**SHUFFLE**

The CD player can play in random order.

1. Press the **SHUFFLE** button.
2. Press the **PLAY** button, an indication appears on the **TRACK** display while the player is shuffling the selection.



3. After a track is chosen, disc play starts.



**Note:**
If **SHUFFLE** button is pressed during play, shuffle play starts from the end of that track.

**Auto Space**
4-second blank space between each selection enables you to locate selections when using a tape deck for recording.

1. Press **PLAY** button for disc play.
2. Press **AUTO SPACE** button for inserting 4-second blank between selections, the **SPACE** indicator will show on the display.
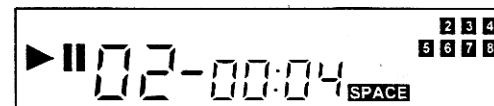


3. To clear **AUTO SPACE**, press **AUTO SPACE** button, the **SPACE** indicator will go off.
**Note:**
A 4-second blank will not be inserted at the beginning of the 1st track.

## INTRO

To listen to only the beginning of each track for 10 seconds.

1. Press the **INTRO** button, the **INTRO** and **PLAY** indicator will display.

```
         2 3 4
         5 6 7 8
► 01 00:08 INTRO
```

2. Listen to the beginning of the track during **SHUFFLE** and **REPEAT ALL** function. This function will not stop until the **STOP** button is pressed.

```
REPEAT  ALL    SHUFFLE
► 06 00:02 INTRO    6 7 8
```

3. Listen to the beginning of the tracks during **PROGRAM** function.

```
                PROGRAM 1   3
► 06-00:00 INTRO       6   8
```

4. Press the **INTRO** button again to clear **INTRO** function.

## Stutter Effect

The stutter effect is acheived by the use of the Cue button and the PLAY/PAUSE button.

When unit is in the PLAY mode

1. Push the CUE button (LED is on).
2. Push the PLAY/PAUSE button at the point you want the unit to stutter.
3. Search buttons and pitch control will work when the unit is stutering.
4. Pushing the PLAY/PAUSE button or the CUE button will release the stuttering effect.

NOTE:

If the PLAY/PAUSE button is pushed, the unit will enter the PLAY mode.

Pushing the CUE button instead, will cause the unit to enter the PAUSE mode.
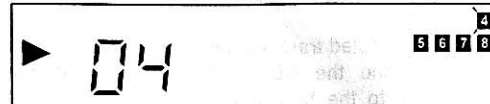
## 11 Numerical Keys-Remote Control only

Tracks can be chosen by pressing any numerical keys.

For Tracks 1 to 10
**Example:** Listen to track 4
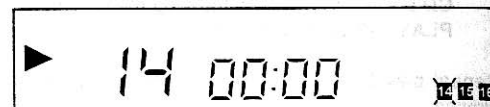Press No. 4 button, track display will show 4, and the PLAY indicator will display.

```
                4
► 04           5 6 7 8
```

```
                4
► 04 00:00     5 6 7 8
```

For more than 10 tracks

**Example:** Listen to track 14
1. Press +10 button.

```
              1  2  3  4
 10           5  6  7  8
              9 10 11 12
             13 14 15 16
```

2. Press No. 4 button, track display will show 14 and the PLAY indicator will display.

```
► 14         14 15 16
```

```
► 14 00:00   14 15 16
```
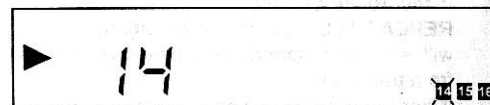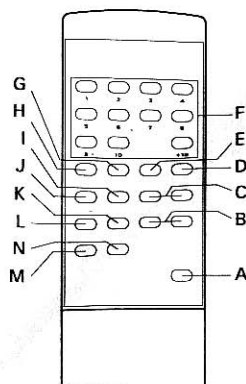
## Location of Control – Remote Control Unit

A. **OPEN/CLOSE** button
B. **SEARCH** button
C. **SKIP** button
D. **STOP** button
E. **PAUSE** button
F. **NUMERICAL** button
G. **PLAY** button
H. **PROGRAM** button
I. **AUTO SPACE** button
J. **SHUFFLE** button
K. **TIME** button
L. **INTRO** button
M. **REPEAT A to B** button
N. **REPEAT** button

## TROUBLESHOOTING GUIDE

If you have followed the instructions, and are having difficulty operating your compact disc player, locate the SYMPTOM in the left column below. Check the corresponding POSSIBLE CAUSE and CORRECTIVE ACTION columns to locate and remedy the problem.

| SYMPTOM | POSSIBLE CAUSE | CORRECTIVE ACTION |
|---|---|---|
| No power when the POWER switch is set to ON. | Poor power plug connection at the AC outlet. | Insert the power plug firmly into the AC outlet. |
| Disc play does not start. | The disc is load upside down. | Reload the disc with the label side up. |
| | The disc is too dirty. | Clean the disc. |
| No sound. | Improper output cable connections. | Connect the output cable properly. |
| | Improper amplifier operation. | Make sure that the amplifier controls are set properly. |
| Sound skips. | The CD player is subject to vibrations or physical shock. | Change the installation location. |
| Programmed disc play will not function. | The CD player is in the normal disc play mode. | Press the STOP button, and then program the tracks. |
| Hum. | Loose cable connections. | Firmly connect all audio plugs. |

## SPECIFICATION
### Power
Power Requirement : 110V/60Hz or 220V/50Hz AC
Power Supply : AC24V x 1, 65mA
AC10V x 2, 800mA

### General
Power Consumption : 15 Watts (AC)
Dimensions : 420(w) x 280(d)x80(h)mm
Net Weight : 4 kg

### CD Player
Pick up : 3-beam, semiconductor laser
Number of Channel : 2 Channels
Encoding : 16 bits linear
Frequency response : 20 Hz - 20 kHz + 1dB
Total harmonic distortion : <0.08% (1 kHz)
Signal-to-noise ratio (S/N) : >90 dB
Channel separation : >80 dB (1 kHz)
Sampling Frequency : 44.1kHz
D/A Convertor : 1 Chip Dual 16 Bit D/A
Output Level : 1.8Vrms
Wow and flutter : Below measurable limit

### Service Information

In the unlikely event of a product defect, please call (908) 969-9000 and request a return authorization number. Packages sent without RA # 's will be refused.

If the product is being returned during the warranty period, please complete and enclose the attached Service Request Card together with a $15.00 money order to cover postage and handling charges.

If the product is no longer under warranty, please enclose the $15 handling charge. You will be contacted by phone regarding the cost of parts and labor, and you can then send a money order for that amount or you then have the option of asking that your repaired unit be returned to you C.O.D.

Send the product to be repaired, in its original packaging, by insured freight, with the RA # on the carton to:

GEMINI SOUND PRODUCTS
1100 MILIK STREET
CARTERET, NJ 07008
U.S.A.