

owner's manual

# Compact Disc Changer

*Professional Series*



# REAL

# INTRODUCTION

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Your Compact Disc Changer has these great features.

**301 CD Giga Changer** — the new roulette-type mechanism allows for a capacity of 301 CDs.

**Single Loader Slot One-disc Jump-in Playback** — lets you easily play a disc that is not loaded in the rack.

**Priority Key** — provides excellent operability of the jump-in play function.

**Plays regular, CD-R and CD-RW Compact Discs** — lets you play recordable as well as regular CDs

**CD TEXT Compatible** — displays disc titles while playing CD TEXT discs.

**Three Listening Modes (ALL, SINGLE and CUSTOM) with 5 custom files** — provide listening versatility.

**Jog Dial** — makes it even easier to select.

**Disc Detection** — automatically detects a loaded disc when the hood is closed.



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# IMPORTANT SAFETY INSTRUCTIONS

This CD Changer is made and tested to meet exacting safety standards. It meets both UL and FCC requirements and complies with safety performance standards of the US Department of Health and Human Services.

**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
<b>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</b>		



This symbol is intended to alert you to the presence of uninsulated dangerous voltage inside the product that can cause shock. Do not open the product's case.



This symbol is intended to alert you to important operating and maintenance instructions in this owner's manual.

## Warnings:

- This CD Changer uses a laser. Because of possible eye injury, only a qualified service person should remove the cover or attempt to service this device.
- The use of controls or adjustments, or the performance of procedures other than specified herein, can result in hazardous exposure to laser light.

Careful attention is devoted to quality standards in the manufacture of your CD changer, and safety is a major factor in its design. However, safety is also your responsibility.

This section lists important information that will help you properly use and enjoy your CD changer and accessories. Read all the included safety and operating instructions before using your CD changer, follow them closely, and retain them for future reference.

**Heed Warnings** — Follow all warnings on the product and in the operating instructions.

**Cleaning** — Unplug this product from the wall outlet before cleaning. Use only a damp cloth for cleaning. Do not use liquid or aerosol cleaners.

**Attachments** — Do not use attachments/accessories not recommended by the product manufacturer, as they might create a hazard.

**Water and Moisture** — Do not use this product near water (for example, near a bathtub, washbowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool).

**Accessories** — Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Follow the manufacturer's instructions for mounting, and use a recommended mounting accessory.



**Carts** — Move the product on a cart carefully. Quick stops, excessive force, and uneven surfaces may cause the product/cart to overturn.

**Ventilation** — Slots and openings in the cabinet provide ventilation, ensure reliable operation, and protect from overheating. Do not block or cover these openings, and do not place the product on a bed, sofa, rug, or other similar surface. Do not place the product in a built-in bookcase or rack unless it provides proper ventilation as specified by the manufacturer.

**Power Sources** — Operate this product using only the power source indicated on its marking label. If you are not sure of your home's power type, consult your product dealer or local power company.

**Polarization** — This product is equipped with a polarized AC line plug (a plug having one blade wider than the other). This plug will fit in the power outlet only one way. This is a safety feature. If you cannot insert the plug fully into the outlet, try reversing the plug. If the plug still doesn't fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug. If you need an extension, use a polarized cord.

**Power-Cord Protection** — Route power-supply cords so they are not likely to be walked on or pinched by items placed on or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

**Lightning** — For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

**Overloading** — Do not overload wall outlets, extension cords, or integral convenience receptacles, as this can result in a risk of fire or electric shock.

**Objects and Liquids** — Never push objects of any kind into this product through openings, as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

**Servicing** — Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

**Damage Requiring Service** — Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance.

**Replacement Parts** — When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

**Safety Check** — Upon completion of service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

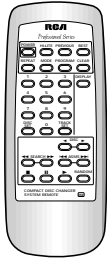
**Wall or Ceiling Mount** — The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

**Heat** — The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

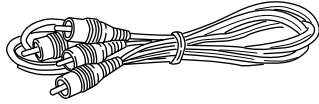
# PREPARATION

## SUPPLIED ACCESSORIES

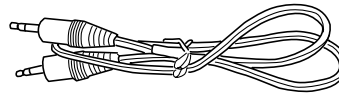
1 Remote Control



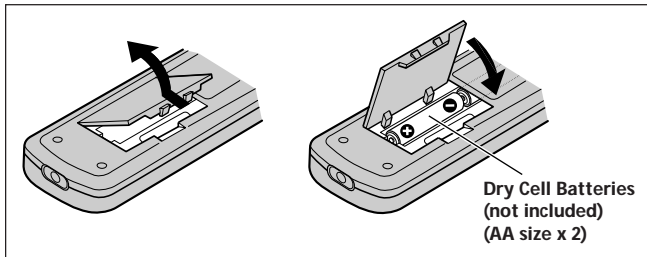
1 Audio Cable



1 Control Cable



## REMOTE CONTROL UNIT BATTERY INSTALLATION



Open the battery compartment on the back of the remote control, and insert the batteries, taking care to align the  $\oplus$  and  $\ominus$  polarities.

### Notes:

- To prevent battery leakage, remove the batteries when not using the remote control for more than one month. If leakage occurs, carefully wipe away any battery fluid inside the compartment, and replace the batteries with new ones.
- Do not allow books or other objects to rest on top of the remote control, since the buttons may be depressed, causing faster battery depletion.

Incorrect use of batteries may cause leakage or rupture.

Always follow these guidelines:

- A. Insert batteries into the battery compartment correctly matching the positive  $\oplus$  and negative  $\ominus$  polarities, as indicated inside the compartment.
- B. Never mix new and used batteries.
- C. Do not mix different brands of batteries.

## CAUTIONS REGARDING THE CD CHANGER

- Avoid placing the changer on heat-generating sources such as amplifiers as doing so might affect performance.
- Install this compact disc changer as far away as possible from tuners and TV sets as close proximity to such equipment might cause noise or picture degradation. Such noise may be particularly noticeable when an indoor antenna is used. Use an outdoor antenna, or turn off power to the compact disc changer.
- Place the changer on a level surface.

### CLEANING THE CHANGER

To clean the changer, wipe with a soft, dry cloth. For stubborn dirt, wipe the changer with a soft cloth with a solution of one part detergent to 5 or 6 parts water, wring well, then wipe off the dirt. Use a dry cloth to dry the surface. Do not use volatile liquids such as benzene or thinner which might harm the changer.

### STORING DISCS

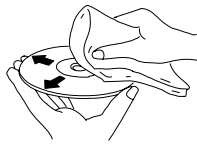
- Store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures, such as inside a vehicle or in direct sunlight.
- Follow precautionary notes listed on disc labels.

## CD LENS CLEANER

The changer's pickup lens should not become dirty in normal use. RadioShack offers cleaning kits for CD lens.

## CLEANING AND HANDLING COMPACT DISCS

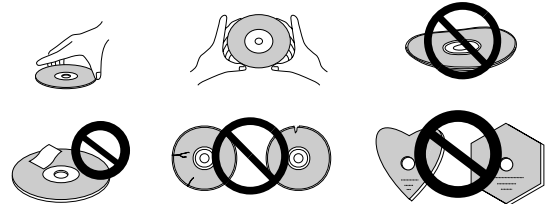
- Fingerprints or smudges on a CD's surface might not directly affect the recorded signals, but might cause degradation of sound quality. Keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer periphery. RadioShack offers a variety of cleaning kits for CDs.
- If a disc becomes very dirty, wipe the dirt away gently with a soft cloth moistened in water, removing any water drops with another soft, dry cloth.



- Do not use record cleaning sprays or anti-static agents on discs. Do not clean discs with benzene, thinner, or other volatile solvents, which might damage the disc.



- When holding discs, do not touch their signal surfaces. Hold by the edges, or by one edge and the center hole.
- Do not affix gummed labels or tape to the label surfaces. Do not scratch or damage the label.
- Discs rotate at high speed inside the changer. Do not use damaged, cracked, or warped discs.
- Do not play a CD with other than a circular shape as malfunction might occur.
- Do not use CD accessories such as stabilizer protection sheets, or protection rings as they might cause malfunction.



When transporting your changer, remove all discs from the rack. Turn off **POWER**, wait for **OFF** to disappear from the display, then unplug the power cord.

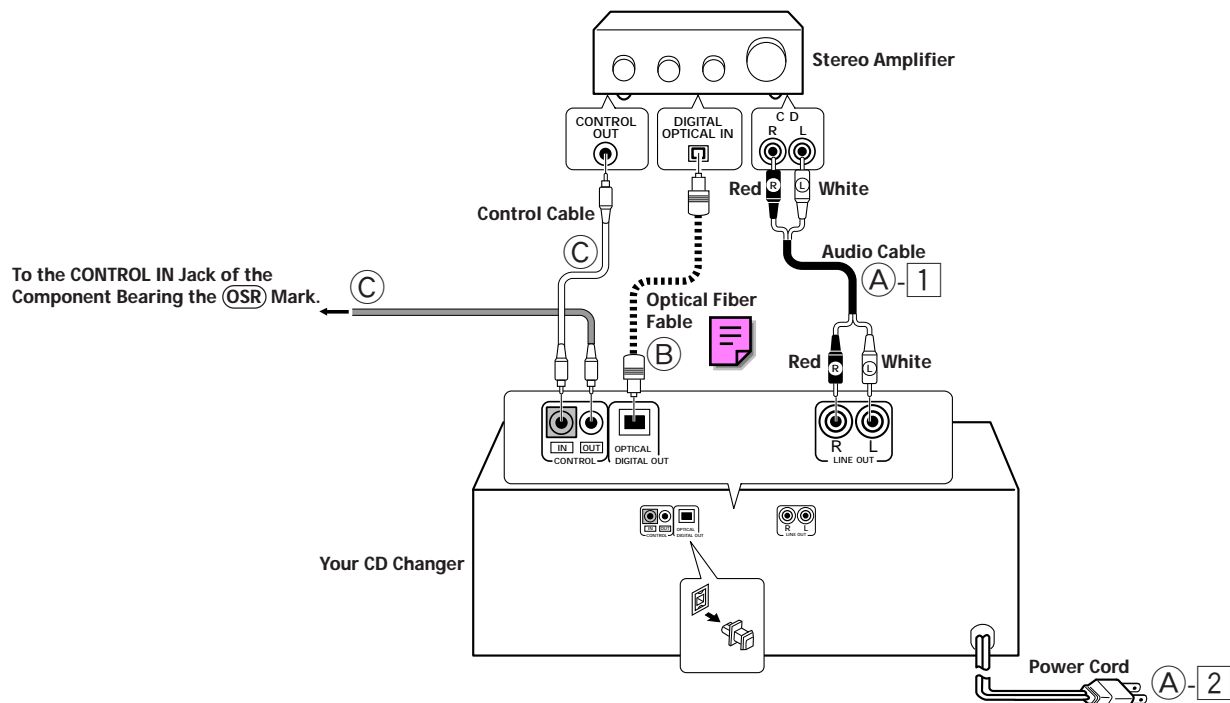
Your changer can play discs which display these marks.



**Notes:** It may not be possible to play unfinalized discs which have very little recording time left on them. Finalizing a CD-R or CD-RW disc means making a recorded disc playable on an ordinary CD changer. To play CD-RWs, the changer must be specifically compatible with CD-RW discs.

# CONNECTIONS

Before making or changing the connections, switch off the power and disconnect the power cord from the AC outlet.



## A Making connections

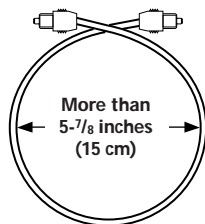
- 1 Connect the **LINE OUT** jacks of the changer to the input jacks (CD or AUX) of the amplifier. Make sure the white plugs are connected to the left (L) jacks and the red plugs to the right (R) jacks.
  - Do not connect the changer to the amplifier's PHONO jacks, as sound will be distorted and normal playback will not be possible.
- 2 Connect the power cord to an AC wall outlet, making sure the plug is inserted fully.

**Note:** If you connect the power cord to a "SWITCHED" AC outlet on an amplifier, you will not be able to use the changer's memory function.

## B Connecting the Optical Fiber Cable

### Cautions:

- Insert the optical fiber cable plugs all the way into the jacks.
- Do not to fold or crimp the cable. When coiling an optical fiber cable for storage, make sure the diameter of the coil is 5-7/8 inches (15 cm) or larger.
- Use an optical fiber cable with a length of 10 feet (3 m) or less.
- Protect the optical fiber cable plugs from scratches and dust.
- When the changer is not connected using an optical fiber cable, be sure to keep the protective dust cap plugged into the optical digital output jack at all times.



Connect the changer to an amplifier equipped with an optical digital jack.

1. Remove the protective dust cap from the changer's **OPTICAL DIGITAL OUT** jack.
2. Use an optical fiber cable (not supplied, available at your local RadioShack store) to connect the changer's **OPTICAL DIGITAL OUT** to the amplifier's optical input jack.
  - Align the optical fiber cable plug with the optical digital jack and fully insert the plug.

## C System remote control with a stereo amplifier that has the OSR mark

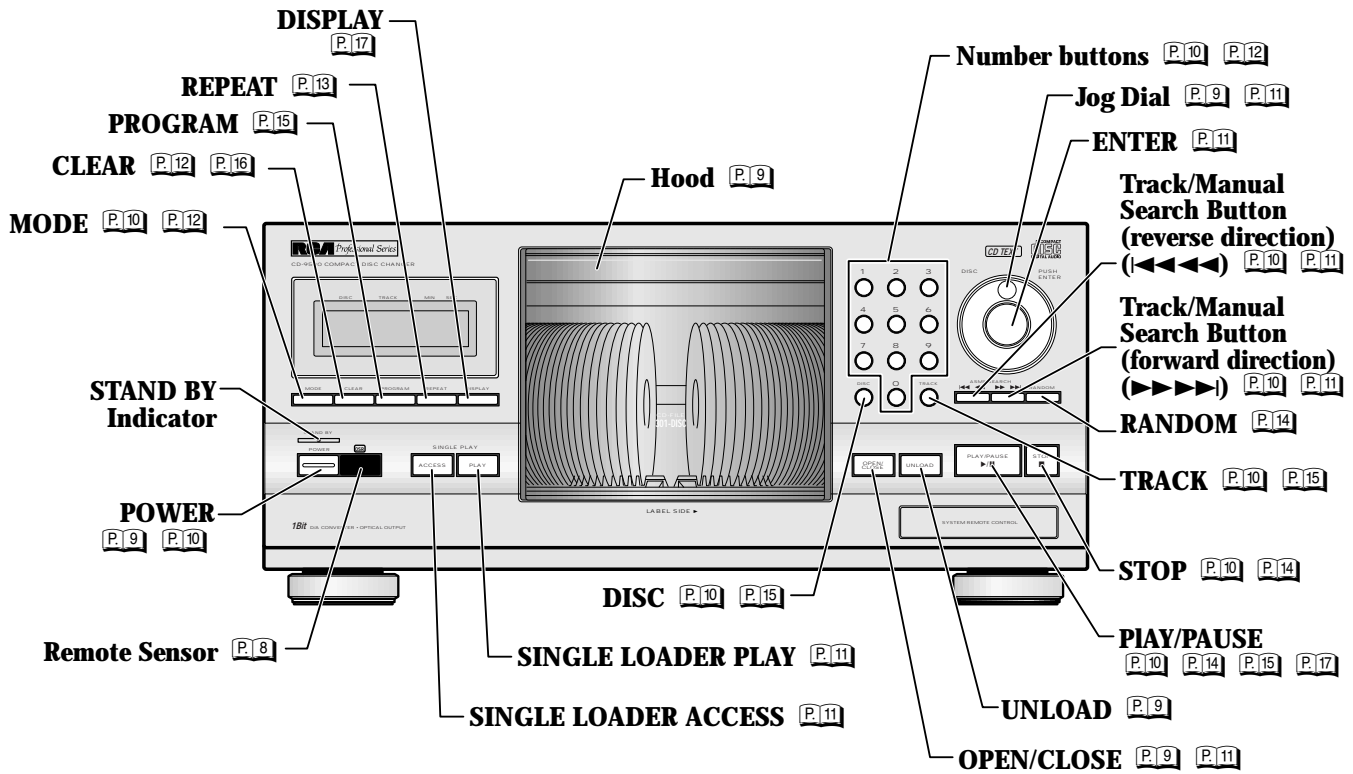
With a stereo amplifier bearing the OSR mark, connect the **CONTROL IN** jack on the CD changer's rear panel to the amplifier's **CONTROL OUT** jack. This lets you control the CD changer's Play, Stop, Pause, Track/Disc Search and Disc Change functions using the amplifier's remote control.

### Notes:

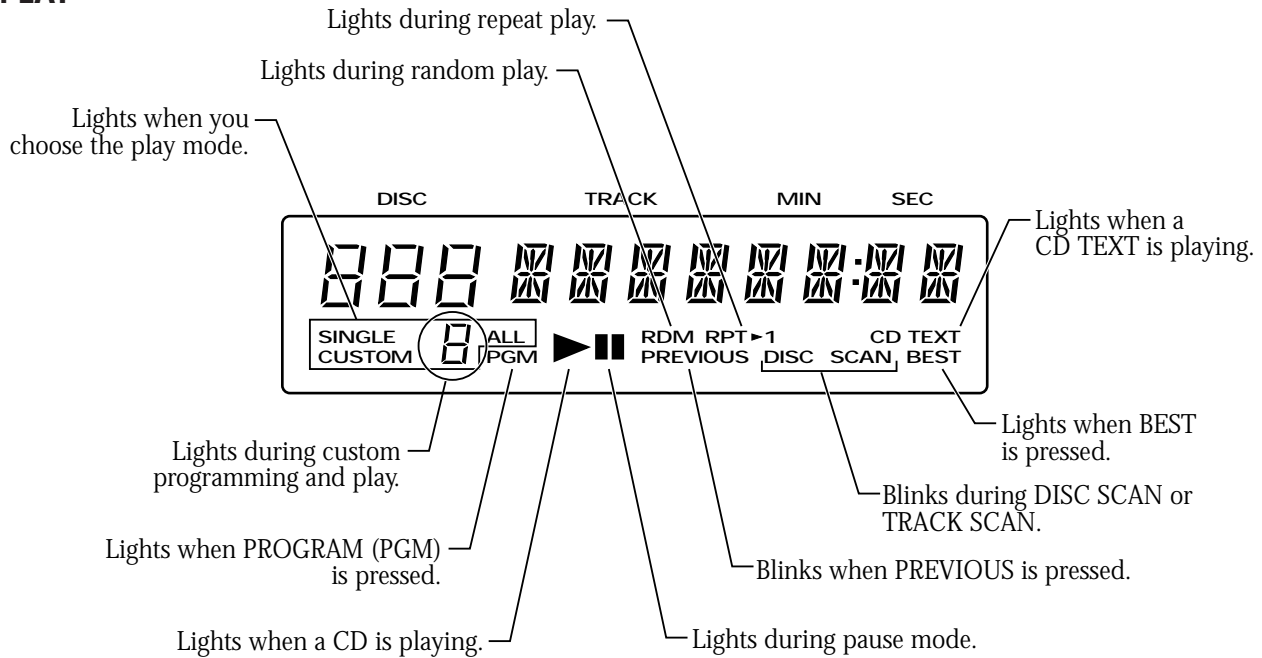
- For instructions regarding connections and operation, refer to the operating instructions provided with your stereo amplifier.
- When a control cable is connected to the changer's **CONTROL IN** jack, direct control of the changer with the remote control is not possible. Operate the changer with the remote control by aiming it at the amplifier.
- Be sure to connect both of the control cable's plugs securely to the **CONTROL IN** and **CONTROL OUT** jacks.
- Be sure to turn off the power of the amplifier before connecting the power cord and output cable.
- When only the digital output is connected, the remote sensor of the amplifier does not function. To operate it, connect the output cable to the stereo amplifier as well as connecting the digital output.

# NAMES OF PARTS

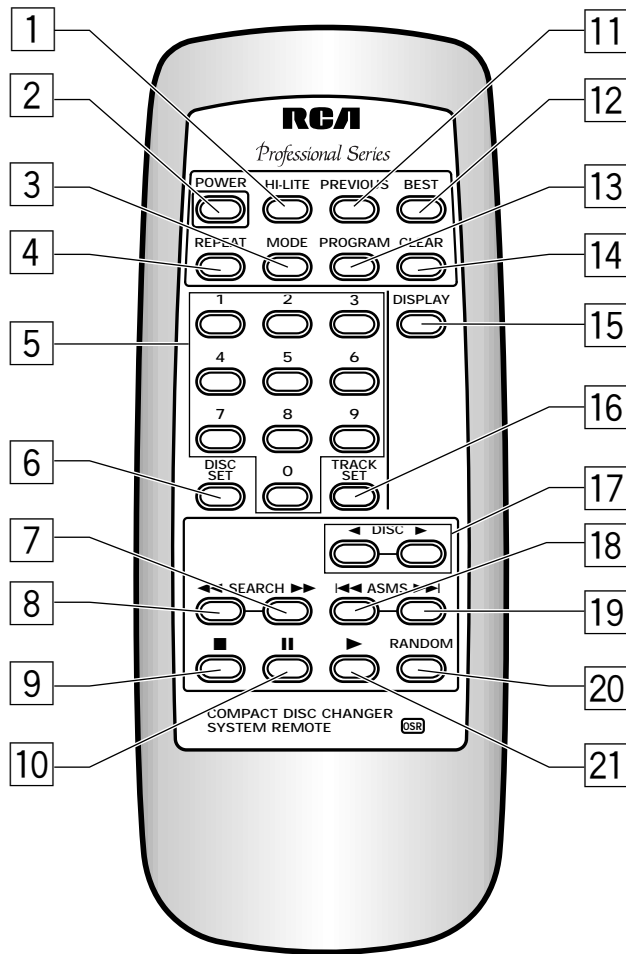
## FRONT PANEL



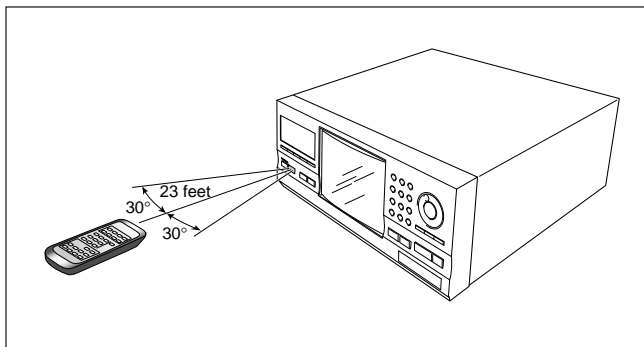
## DISPLAY



## REMOTE CONTROL



- 1 **HI-LITE** [P.16](#)
- 2 **POWER** [P.9](#) [P.10](#)
- 3 **MODE** [P.10](#) [P.12](#)
- 4 **REPEAT** [P.13](#)
- 5 **Number Buttons** [P.10](#) [P.12](#)
- 6 **DISC SET** [P.10](#) [P.15](#)
- 7 **Fast Forward** (▶▶) [P.10](#)
- 8 **Fast Reverse** (◀◀) [P.10](#)
- 9 **Stop** (■) [P.10](#) [P.14](#)
- 10 **Pause** (||) [P.10](#)
- 11 **PREVIOUS** [P.14](#)
- 12 **BEST** [P.13](#)
- 13 **PROGRAM** [P.15](#)
- 14 **CLEAR** [P.12](#) [P.16](#)
- 15 **DISPLAY** [P.17](#)
- 16 **TRACK SET** [P.10](#) [P.15](#)
- 17 **DISC** (◀/▶) [P.9](#) [P.12](#)
- 18 **Skip (reverse)** (◀◀) [P.10](#) [P.11](#)
- 19 **Skip (forward)** (▶▶) [P.10](#) [P.11](#)
- 20 **RANDOM** [P.14](#)
- 21 **Play** (▶) [P.10](#) [P.14](#) [P.15](#) [P.17](#)



When operating the remote control, point the remote control's infrared signal transmitter at the remote control receiver (remote sensor) on the front panel of the changer. The remote control has a range of about 23 feet from the remote sensor, and within angles of up to about 30 degrees.

**Note:** If the remote control sensor window is in a position where it receives strong light such as sunlight or fluorescent light, control may not be possible.

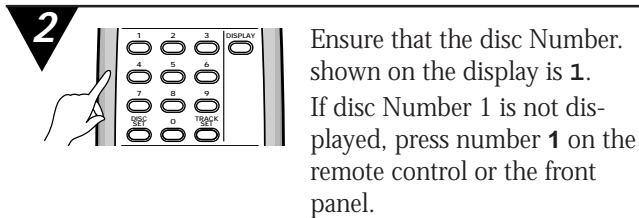
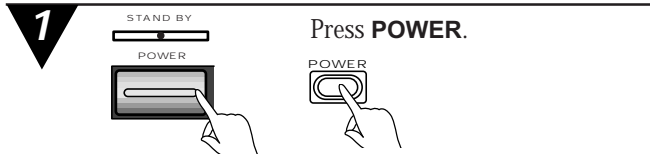


# HOW TO LOAD THE DISCS

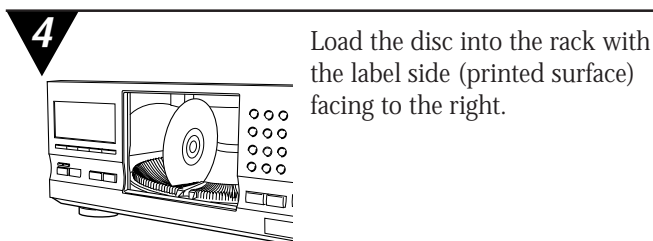
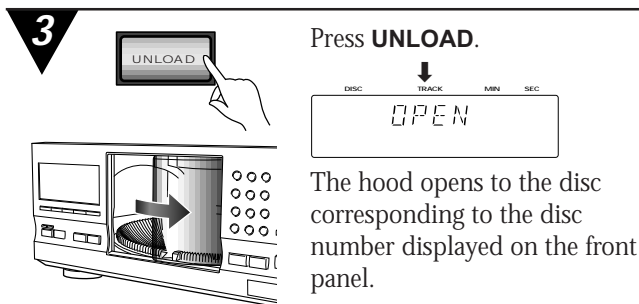
**Note:** Read this before using the CD changer.

## LOADING DISCS INTO THE RACK

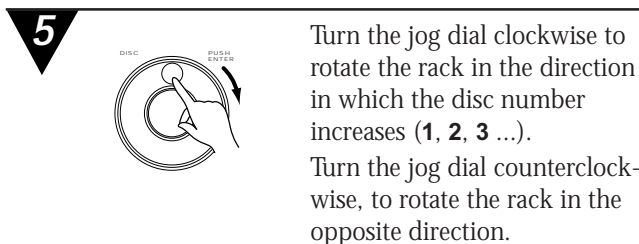
- You can load up to 300 discs in the rack. The numbers marked on the rack are used as the disc numbers. These are marked in a clockwise order from 1 to 300.
- To load discs beginning from disc Number 1:



**Note:** You must perform Step **3** within 5 seconds.



**Note:** Inserting more than one disc into the slot will damage the discs and cause the changer to malfunction.



**6** Load other discs into the rack by repeating Steps **4** and **5**.



### Tip:

**OPEN/CLOSE:** The hood simply opens or closes.

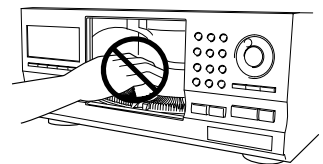
**UNLOAD:** The slot corresponding to the disc number being displayed rotates to the center position then the hood opens.

### Notes:

- Do not attempt to open the hood with your hand.
- Be careful not to pinch your fingers when opening and closing the hood.
- If PLAY operation (PLAY, BEST, Hi-LITE, PREVIOUS) is carried out before disc detection finishes, PLAY operation proceeds without detection. Detection operates after PLAY is finished. Detection may not function properly depending on the color or shape of the disc.

### WARNING:

To avoid possible injury or damage, do not put your hand or any other object inside the rack.



- While changing or inserting discs, do not to press any buttons on the changer or the remote control. The rack may move suddenly, and could catch your fingers between discs and the side of the door.
- When changing or inserting discs, make sure the rack is stopped. Do not attempt to load or remove a disc when the rack is moving.
- Do not put anything other than CDs inside the rack.
- Load only one disc into each disc slot.
- Do not apply force to the rack.
- You must use an adapter to play 3-inch discs.
- Never start playback by placing the 3-inch disc adapter alone, without attaching it to a disc.
- The changer will not operate if the hood is opened during playback.
- To load or remove a disc in or from the slot which is seen through the hood, press **OPEN/CLOSE**. The hood opens, **HOLD** is displayed. The disc can then be loaded or removed from the slot. **HOLD** disappears through the hood. The rack can be rotated by pressing **DISC**(◀▶), even while **HOLD** is being displayed.

To remove the discs:

**1** Press **UNLOAD**.

**2** Select the number of the disc you want to unload by turning the jog dial or pressing **DISC**(◀▶) on the remote control.

- The rack rotates until the selected disc comes to the front of the changer.

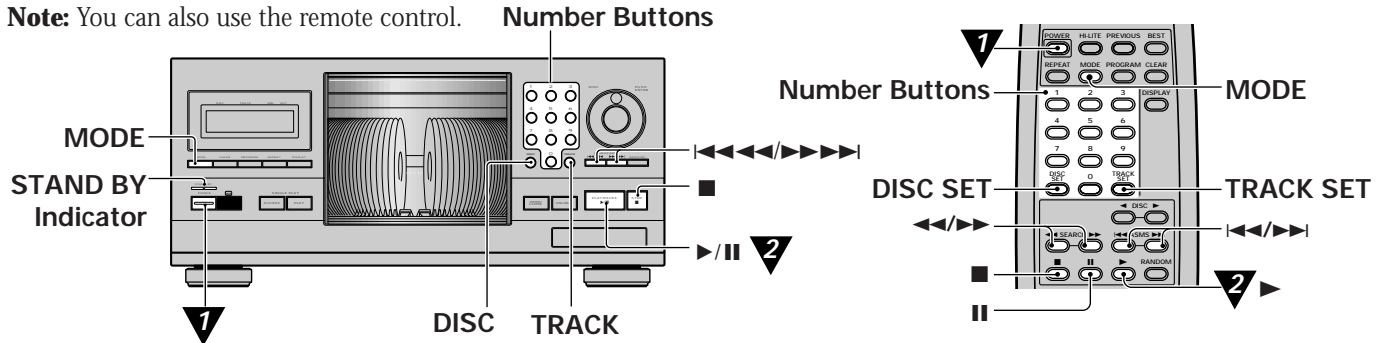
**3** Remove the disc from the rack.

**4** Press **OPEN/CLOSE**.

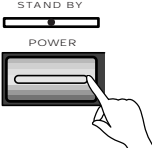

- The hood closes.

# OPERATIONS

**Note:** You can also use the remote control.




## To listen in order from the first track


- 1 Press **POWER**.  

- 2 Press **▶/||** (or **▶**).  
 The tracks play in order starting from the first track on the disc with the lowest disc number.  



- If you choose a play mode beforehand, the tracks/discs play according to the respective play mode.

### Tips:

- If you play a CD TEXT disc, the title of the disc being played shows on the display.
- During CD TEXT disc playback, the display can be changed by pressing **DISPLAY**.

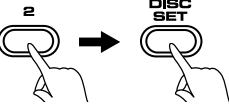
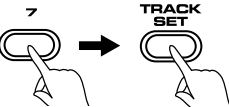
- To stop play, Press **■**.  


- To pause play, Press **▶/||** (or **||**).  
 To start playback again, press **▶/||**.  


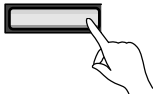
- To skip to another track, tap **◀◀◀/▶▶▶** (or **◀◀/▶▶** on the remote control).  


- To fast forward or reverse, hold down **◀◀◀◀/▶▶▶▶** (or **◀◀/▶▶** on the remote control).  

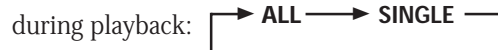

## To select the disc and track

- 2 Use the number buttons to select the disc, then press **DISC SET**.  

- 7 Use the number buttons to select the track, and press **TRACK SET**.  


## To select a play mode

- Press **MODE** repeatedly during play or stop mode to select a mode.  
 Playback occurs according to the selected mode.  


- ALL** : All discs play.
- SINGLE** : One disc plays.
- CUSTOM** : Only discs stored in the CUSTOM file play (see (1 to 5) "CUSTOM Play" on page 12).



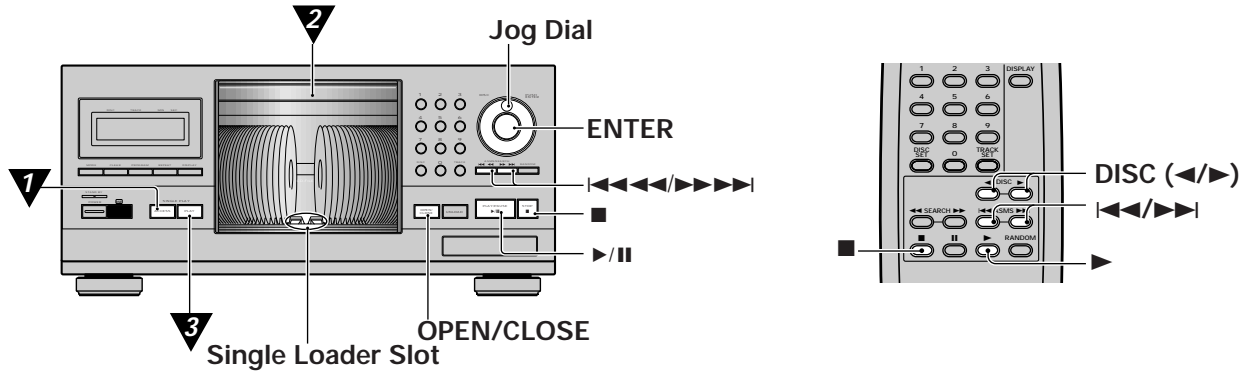
- When you select **SINGLE** during playback, only the current disc plays.
- If you press **MODE** during program mode, the program contents will be erased.

### Notes:

- When you turn the power ON, playback starts according to the last selected play mode.
- If you did not select a play mode, playback starts in **ALL**.
- **SINGLE** is selected automatically when playing the disc loaded in the single loader slot.

### <Last disc memory>

When you press **■** or turn the power OFF, the changer memorizes the disc being played. The next time you press **▶/||**, playback will start from that same disc. (This feature is not available in the PROGRAM play, BEST play, PREVIOUS scan, HI-LITE scan and RANDOM play modes.)



## Playing a disc that is not loaded in the rack

Use the single loader slot to play discs that are not loaded in the rack

**1**

Press **SINGLE LOADER ACCESS**.

- The hood opens with the single loader slot located in the front of the changer.

**2**

Load the disc in the single loader slot with the label side (printed surface) facing to the right.

**3**

Press **SINGLE LOADER PLAY**.

- The play mode is set to SINGLE.

### Tips:

- The disc in the single loader slot can also be selected with the jog dial. Use the jog dial to select the slot after disc number 300 and before disc number 0 (where **P0** is displayed).
- If a disc has been loaded in the single loader slot, pressing **SINGLE LOADER PLAY** allows you to play it anytime, even during playback of a disc stored in the rack.
- To play the disc in the single loader slot using the remote control, press **0** and **DISC SET**.

## To play a track

**ASMS/SEARCH**

Press **ASMS/SEARCH** during play or pause to choose the track number (or press **ASMS/SEARCH** on the remote control).

During pause, press **▶/||** after choosing the track.

## To start playback from a specific disc

**DISC**

During pause, turn the jog dial to select the disc number.

During pause, press **▶/||** or **ENTER** (**▶** on the remote control) after choosing the disc. (To perform this operation from the remote control, use the **DISC** (**◀/▶**) to select the disc number.)

- Playback starts from the first track of the chosen disc.

## Opening or closing the hood during playback

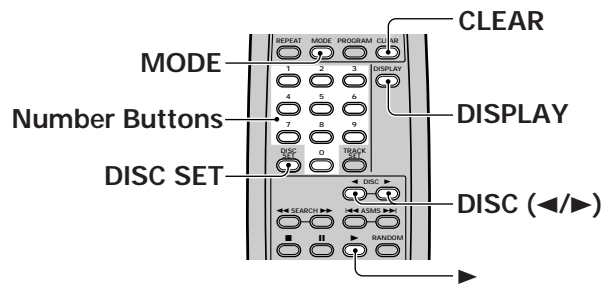
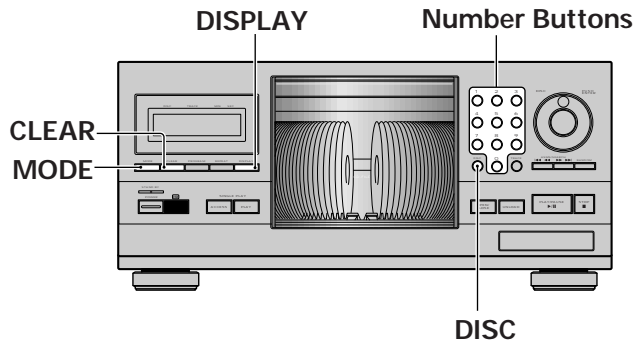
To open the hood during playback

Press **OPEN/CLOSE** and hold it in for about 2 seconds.

- HOLD** is displayed.
- The rack does not rotate.
- When playback of the current disc has completed, the changer enters stop mode. The next disc is played after the hood has been closed.

To close the hood, press **OPEN/CLOSE**.

**Note:** If the hood is opened during play, **UNLOAD** and **SINGLE LOADER ACCESS** functions are defeated.



### (CUSTOM play)

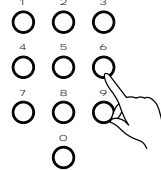
The changer lets you program up to 300 of your favorite discs.

You can even add other discs later on.

There are 5 programmable custom files in which you can program any discs you like.

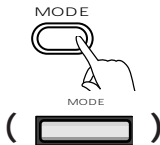
Here is an example of how CUSTOM works: Programming discs 3 and 12 in custom file 5

To start playback



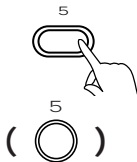
Follow Steps 1 and 2 then press 5. Playback starts from the lowest disc number.

1

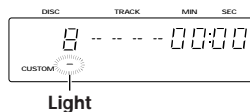


In the stop mode, press **MODE** several times to set the custom mode.

2



Select the custom number with the number buttons.



Light

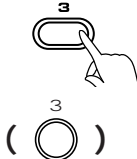
- If a disc number appears, press **CLEAR**.

To check the numbers of the stored discs, after completing Steps 1 and 2, press **DISPLAY** 3 times. You should see a display like that shown below.

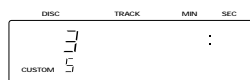
Pressing **DISC (◀/▶)** repeatedly displays a disc number stored in the CUSTOM file. When the disc numbers have been displayed, the disc number changes to a blank. (To perform this operation on the changer, turn the jog dial clockwise.)



3

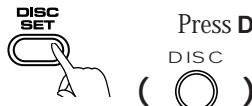


Select the disc number with the remote control number buttons.



- The disc number can also be selected with **DISC (◀/▶)** or the changer's jog dial. In this case, because custom registration will function after approx. 2 seconds, Step 4 is not necessary.

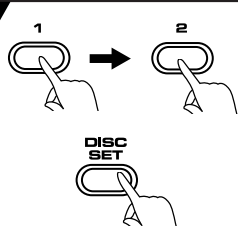
4



Press **DISC SET**.



5

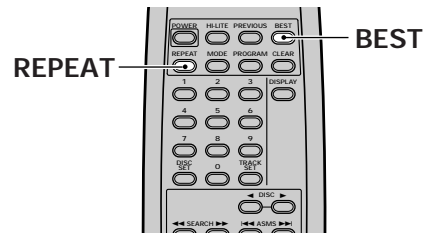
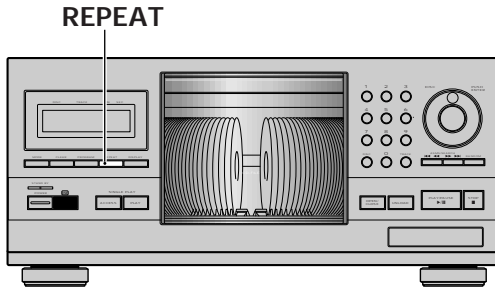


Repeat Steps 3 and 4 to store other discs.



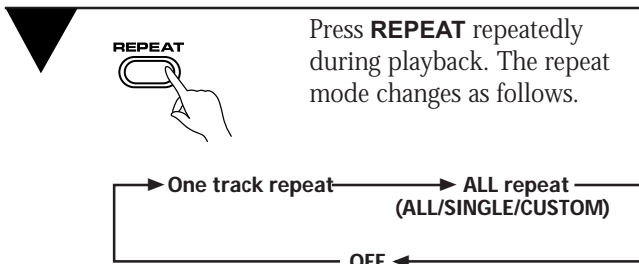
Pressing **CLEAR** on the front panel during the custom mode cancels the displayed disc number from the custom file.

- When using the jog dial during custom playback, only the discs stored in the custom file can be selected.
- If you use the number buttons and **DISC SET** during CUSTOM playback to choose a disc not stored in the CUSTOM file, **NO DISC** displays for about 3 seconds.
- When a disc assigned to the CUSTOM file is not loaded in the rack, **NO DISC** displays for about 3 seconds, the disc is erased from memory, and CUSTOM searches for the next disc.
- The discs stored in the CUSTOM file are not erased when you turn off the power.



### (REPEAT play)

This operation is available only from the remote control.



Press **REPEAT** repeatedly during playback. The repeat mode changes as follows.

#### (One track repeat)

Repeats the current or a selected track during play operations other than HI-LITE scan and PREVIOUS scan.

#### (ALL repeat)

Repeats in one of the following 3 ways according to the play mode:

- ALL** :Repeats all the tracks on all the discs (1-300).
- SINGLE** :Repeats all the tracks on the selected disc.
- CUSTOM** :All of the discs classified under one of the 5 CUSTOM banks are played repeatedly.

#### (OFF)

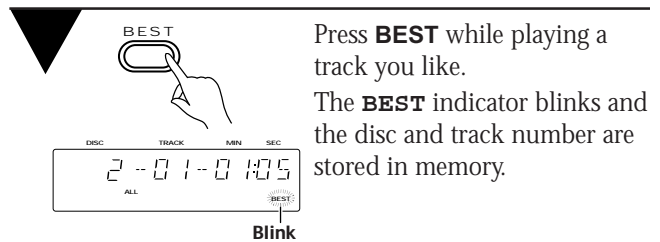
Cancels repeat play and returns the changer to normal play mode.

- To stop repeat playback, press ■.
- During ALL repeat mode, if the ALL, SINGLE or CUSTOM play mode is not displayed, the currently playing program mode (PROGRAM play, BEST play, PREVIOUS scan or HI-LITE scan) will be repeated.

### (BEST play)

To use the one-touch memory to store your favorite tracks, press **BEST** while playing a track. You can store up to 20 tracks.

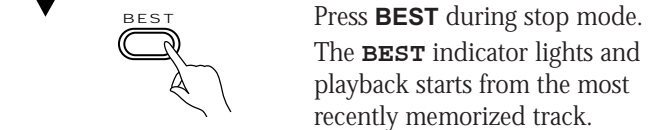
- The operation is available only from the remote control.
- These operations cannot be performed on the CD inserted into the SINGLE LOADER SLOT.



Press **BEST** while playing a track you like.

The **BEST** indicator blinks and the disc and track number are stored in memory.

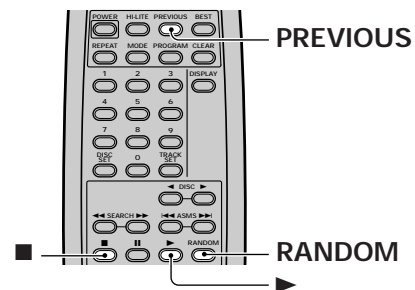
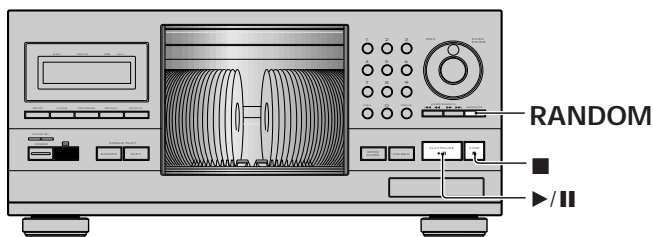
#### <To listen to the memorized tracks>



Press **BEST** during stop mode.

The **BEST** indicator lights and playback starts from the most recently memorized track.

- If you press **CLEAR** during Best playback, the current track is erased and the next track starts to play.
- You cannot memorize a track twice by pressing **BEST** during Best playback.
- If you press **BEST** to memorize a track when 20 tracks are already memorized, the oldest track is erased from memory and the new track is memorized.
- The memorized contents are stored, even when the power is turned off.



### (PREVIOUS scan)

- This function scans the discs in reverse order, starting from the last disc played.
- It can remember up to 20 discs. If the total number of discs exceeds 20, the oldest disc will be erased to make room for the new disc.
- The operation is available only from the remote control.
- This operation cannot be performed on the CD inserted into the SINGLE LOADER SLOT.

For example: If you played discs 1, 2, 9, 12 and 13 in order:

Press **PREVIOUS**.

- The changer plays a 10 second portion located one minute into the first track of each disc, starting from the last disc you played: 13, 12, 9, 2, 1.

Press **▶ (▶/||)** when you reach the disc you want to hear.

- Previous disc scan is canceled and normal play resumes.

- To cancel the scanning, press ■.
- Discs played during random, program, HI-LITE scan, Best and Single Loader playback are not included in the PREVIOUS scan.
- If the first track is less than 1 minute long, the first 10 seconds of the track plays. If the first track is less than 10 seconds long, the entire track plays.

### (RANDOM play)

RANDOM selects tracks at random from the disc(s) in the current play mode and plays each track once. The selected play mode (see below) stops after its contents have played.

Play mode selected	Play contents
<b>ALL</b>	Plays all tracks in all discs in a random order.
<b>SINGLE</b>	Plays all the tracks from a single disc at random.
<b>CUSTOM</b>	Plays all tracks in the discs stored in the CUSTOM file in a random order.

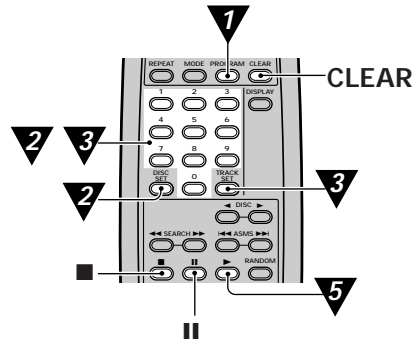
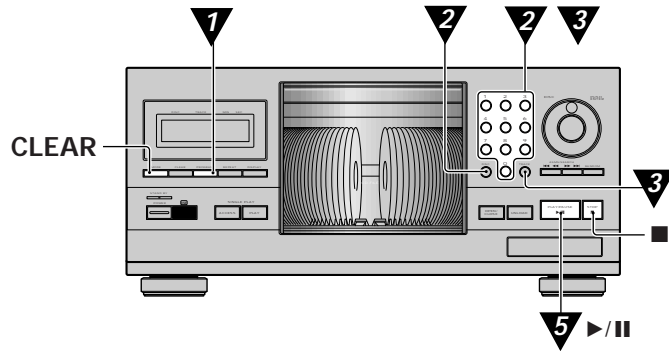
Press **RANDOM** during either play or stop mode.

- The **RANDOM** indicator lights and random play begins (according to the current play mode).

To stop random play, press ■.

### Notes:

- Random play cannot be activated during the program mode. (If you press **RANDOM** during program play or best play, the program contents are erased and the changer plays tracks at random from all the discs.)
- If you press **REPEAT** during random play, the contents of the random mode are repeated. (RANDOM REPEAT)
- If you press **MODE** during random play, random play is switched to the ALL or SINGLE play.
- If all discs contain no more than 16 tracks, random play plays every track in the discs once. If any of the discs contain more than 16 tracks, random play plays the same number of tracks as the total number of tracks in the discs, but the tracks with track number 17 or more are not always played once.
- Random play begins after disc detection is completed.



## (PROGRAM play)

- The remote control is the most convenient way to perform this operation. You can also press the button between parentheses as indicated below.
- You can program up to 36 steps.

Operation example : Programming disc 2, track 7 as step 1, and disc 5, track 3 as step 2.

**1** Press **PROGRAM** during stop mode.

**2** Use the number buttons to select the disc, then press **DISC SET**.

The **PGM** indicator starts to blink.

**3** Use the number buttons to select the track, and press **TRACK SET**.

**4** Repeat Steps **2** and **3** to program additional discs and tracks.

Once the track times have been added, the **PGM** indicator stops blinking and the following display appears (Total Time).

**5** Press **▶**.

The program play starts from the track that was programmed first.

**The following operations can only be performed during normal play, HI-LITE scan or PREVIOUS scan.**

### <Programming tracks during normal play> (Direct program)

1. Press **PROGRAM** to activate program mode.
2. Press **PROGRAM** during playback to program the current track.

### <Programming during normal playback> (Preprogramming)

You can program during normal playback.

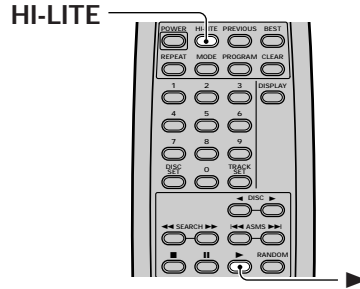
(→ Operation example **1 2 3 4**)

- The changer changes to program play when the current track finishes playing.
- To change to program mode directly, press **▶**.

**The following operations can only be performed during stop mode.**

### <Programming an entire disc as one step> (Disc all program)

If you skip Step **3** of the operation example, disc 2 is programmed as Step **1**.



### <Programming a pause (remote control only)> (Pause program)

If you press **II** at Step **4**, you can program a pause. When you press **II**, **PA** appears in the display instead of the disc number.

- For example, when making a program for recording both sides of a cassette tape, press **II** to insert a pause after programming the tracks for one side. After turning the tape over, press **II** to resume recording.

#### Notes:

- You cannot program a pause as the first step, nor program two pauses in a row.
- When you program a pause, it counts as one step and reduces the total number of tracks you can program.

### • To erase a program...

Press **■** twice during playback (or once in stop mode). You can also erase the program by pressing **MODE**, **RANDOM**, **PREVIOUS**, or **SINGLE LOADER PLAY** in either play or stop mode (or by pressing **BEST** in stop mode).

### • To cancel a program step

In stop mode, each time you press **CLEAR**, the last step in the program is erased.

- If a programmed disc is missing or inserted backwards during program play, **NO DISC** appears in the display, the step is automatically erased, and playback proceeds to the next step.
- Program contents are stored in memory even when the power is turned off.
- Press **DISPLAY** twice to check the number of steps that have been programmed.



This Indicates the Number of Programmed Steps.

#### Notes:

- If Step **5** is carried out before the accumulated time is displayed, the program play starts and the time is not displayed.
- When **UNLOAD** is pressed while a program has been entered, the disc for the 1st program step comes on the center position and the hood opens.
- The display is not shown if the total time of the program is 100 minutes or more.

### (HI-LITE scan)

- The operation is available only from the remote control.

This function plays a 10 second portion located 1 minute from the start of each track on all the discs in the current play mode.

#### <Disc scan>



Press once

Press **HI-LITE** during either play or stop mode.

- The changer plays a 10 second portion located 1 minute into the first track of each CD, starting from the first CD.

The **DISC** and **SCAN** indicator blinks.

#### <Track scan>



Press twice

Press **HI-LITE** twice during either play or stop mode.

- The changer plays a 10 second portion located 1 minute into each track of each CD, starting from the first CD.

The **SCAN** indicator blinks.

#### <Program scan>



Press once

Press **HI-LITE** during program mode.

- The changer plays a 10 second portion located 1 minute into each track in the program.

The **SCAN** indicator blinks.

#### <Best selection memory scan>



Press once

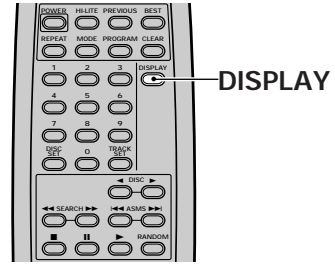
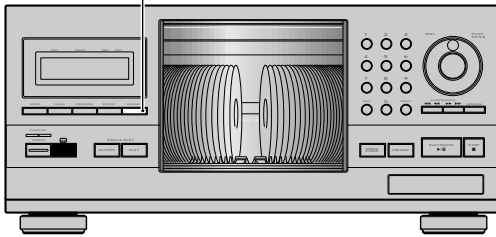
Press **HI-LITE** during best selection memory playback.

- The changer plays a 10 second portion located 1 minute into each track in the best selection memory.

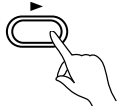
The **SCAN** indicator blinks.



## DISPLAY



<To return to normal playback>



Press ► (or ►/||) when you reach the track you want to hear.

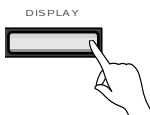
HI-LITE scan is canceled and normal play resumes.

- To cancel HI-LITE scan, press ■.

### Notes:

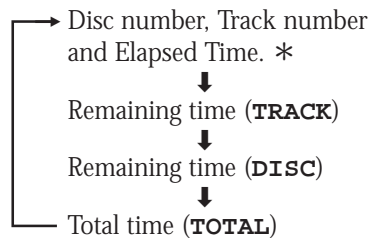
- You can use ◀◀/▶▶ to skip to another track during track scan.
- If the changer is in ALL REPEAT mode, the HI-LITE scan repeats.
- If the track is less than 1 minute long, the first 10 seconds of the track plays. If the track is less than 10 seconds long, the entire track plays.

## To use DISPLAY



Press **DISPLAY** during playback.

Each time you press **DISPLAY**, the display changes as follows.



- During PROGRAM play
  - Disc number, Track number and Elapsed Time. \*
  - ↓
  - Remaining time (**TRACK**)
  - ↓
  - Total program time and number of steps (**TOTAL**)
- During BEST play
  - Disc number, Track number and Elapsed Time. \*
  - ↓
  - Remaining time (**TRACK**)
  - ↓
  - Total number of steps memorized in BEST (**TOTAL**)

\* When playing a disc containing CD TEXT, the disc title appears after the elapsed time display.



(Example: BEETHOVEN SYMPHONY)



When the CD TEXT disc plays, the disc title scrolls on the display.



(The scrolled title can consist up to 60 characters.)

- The top 8 characters of the title are shown in stop mode.

### Characters that can be shown in the title display

- Alphabet (lowercase letters are converted into uppercase.)  
A B C D E F G H I J K L M N O P Q R  
S T U V W X Y Z
- Numerals and symbols  
0 1 2 3 4 5 6 7 8 9 - + / \ | x  
\_ (Space)  
Other symbols than the above are shown as (Space).

### Notes:

- Time remaining on the track for tracks numbered greater than 24 might not be displayed.
- Time remaining on the disc is not displayed during RANDOM, PROGRAM or BEST play.

# TROUBLESHOOTING

This CD changer has been manufactured to the specifications of RadioShack and is covered by a limited warranty from RadioShack. If your CD changer is not operating as it should, take it to your local RadioShack store or call 1-800-THE-SHACK for assistance.

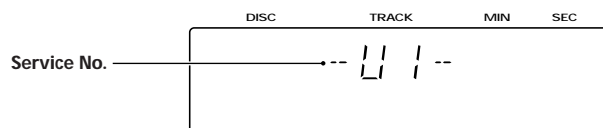
Your CD changer should give you years of trouble-free service. However, if you do have problems, these suggestions might help.


Symptom	Cause	Remedy
No sound	<ul style="list-style-type: none"> <li>Output cables are connected incorrectly or loosely.</li> <li>Incorrect operation of stereo amplifier.</li> <li>Pin plugs and/or amplifier terminals are dirty.</li> <li>Changer is in pause mode.</li> <li>The disc is loaded with the label side facing left.</li> </ul>	<ul style="list-style-type: none"> <li>Connect properly.</li> <li>Check the settings of the amplifier switches and sound volume controls.</li> <li>Clean away dirt.</li> <li>Press ► or II.</li> <li>Reload the disc with the label side facing right.</li> </ul>
When playback is started, it stops immediately. Pauses or stops during playback.	<ul style="list-style-type: none"> <li>Disc is inserted incorrectly.</li> <li>Smudges or debris on the disc.</li> </ul>	<ul style="list-style-type: none"> <li>Insert the disc correctly with the label side facing right.</li> <li>Clean the disc.</li> </ul>
Remote control will not function.	<ul style="list-style-type: none"> <li>Dead batteries.</li> <li>Obstruction between the changer and the remote control.</li> </ul>	<ul style="list-style-type: none"> <li>Replace the batteries.</li> <li>Relocate the remote control or remove the obstruction.</li> </ul>

## SELF-DIAGNOSTICS FUNCTION

Your CD changer has a self-diagnostic function. When the CD changer detects an abnormal condition, it displays an error number on the display. If this happens, try the suggestion indicated. If the error number still appears, take the CD changer to your local RadioShack store for assistance.

### Display on the changer



Service No.	Unit Status	Suggestions
 U1	The disc may not be loaded properly in the rack.	<ul style="list-style-type: none"> <li>Reload the discs properly. (Insert only one disc in a slot.)</li> <li>Check for foreign matter on the disc.</li> <li>Check for foreign matter in the rack.</li> </ul>
U2	There is an operation error in the mechanical section.	<ul style="list-style-type: none"> <li>Check for foreign matter in the rack.</li> <li>Unplug the power cord then plug it in again.</li> </ul>
U3	There is an error related to the hood.	<ul style="list-style-type: none"> <li>Check the hood for clearance and obstructions.</li> <li>Unplug the power cord then plug it in again.</li> </ul>

If the same display reappears, there might be an error in the mechanical section. When requesting servicing, please note the service number displayed on the changer.

# SPECIFICATIONS

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## General

Type .....	Compact disc digital audio system
Power requirements .....	AC 120 V, 60 Hz
Power consumption .....	12 W
Power consumption in standby mode .....	1 W
Operating temperature .....	+41°F – +95°F (+5°C – +35°C)
Weight ( without package ) .....	16 lb 9 oz. (7.5 kg)
External dimensions .....	16-9/16(W) X 17-1/16(D) X 7-5/8(H) In. (420(W) X 433(D) X 193(H) mm)

## Audio section

Frequency response .....	2 Hz - 20 kHz
S/N ratio .....	98 dB or more (EIAJ)
Dynamic range .....	96 dB or more (EIAJ)
Harmonic distortion .....	0.003 % or less (EIAJ)
Level difference between channels .....	1.0 dB or less (EIAJ)
Output voltage .....	2 Vrms (EIAJ)
Wow and flutter .....	less than ±0.001 % (W.PEAK) (below measurable level) (EIAJ)
Channels .....	2-channel (stereo)

## Input/Output terminal

Audio line output
Control input/output jacks
Optical digital output jack

## Accessories

• Remote control .....	1
• Audio cable .....	1
• Control cable .....	1

## Note:

Specifications and design subject to possible modification without notice, due to improvements.

## FCC Information

This equipment complies with the limits for a Class B digital device as specified in Part 15 of *FCC Rules*. These limits provide reasonable protection against radio and TV interference in a residential area. However, your CD changer might cause TV or radio interference even when it is operating properly. To eliminate the interference, try one or more of the following corrective measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the CD changer and the radio or TV.
- Use outlets on different electrical circuits for the CD changer and the radio or TV.

Consult your local RadioShack store or an experienced radio/TV technician if the problem still exists.

#### **Limited One-Year Warranty**

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for one (1) year from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RE-SPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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