SONY

# Compact Disc Player

**Operating Instructions** 



# Warning

To prevent fire or shock hazard, do not expose the unit to rain or moisture.





This symbol 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.



This symbol is intended to alert the user to the presence of important operating and maintenence (servicing) instructions in the literature accompanying the appliance.

# Information

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J or Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Recrient the receiving antenna

Relocate the equipment with respect to the receiver Move the equipment away from the receiver

Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

## For the customers in Australia

CLASS 1 LASER PRODUCT LUCKAN 1 LASERLAITE KLASS 1 LASERAPPARAT This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

# **Owner's Record**

The model and serial numbers are located at the rear. Record these numbers in the spaces provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. CDP-X555ES Serial No.

# **Table of Contents**

Introduction 3
Safety precautions 4
Installation
Connections 5
Location of controls 6
Front panel 6
Remote commander 7
Installing batteries in the remote commander 7
Playing a disc — Continuous play 8
Information display 9
Locating a particular selection
Locating a particular point in a selection
Locating an index11
To play a selection immediately from the beginning
- Auto cue11
Fading in/Fading out11
Playing in a random order — Shuffle play12
Playing only the desired selections — Delete play 13
To delete the undesired selection before playing
To delete a selection during play
10 desete a selection during play13
Playing the beginning of each selection — Music scan 14
Music scan14
Music scan delete play14
Playing repeatedly — Repeat play15
Repeating selections15
Repeating a particular portion - A - B repeat15
Playing in a desired order — Program play16
Designating the playing time — Program edit
Designating the playing order of up to 6 discs
- Multi-disc program18
Designating the total playing time
— Time edit/Just edit20
Tips on editing tapes22
Fading out at the desired time — Time fade
Fading out at the desired time - Time fade22
Fading out at the desired time — Time fade22 Inserting a blank space between selections
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade linserting a blank space between selections — Auto space
Fading out at the desired time — Time fade
Fading out at the desired time — Time fade linserting a blank space between selections — Auto space
Fading out at the desired time — Time fade inserting a blank space between selections — Auto space
Fading out at the desired time — Time fade inserting a blank space between selections — Auto space
Fading out at the desired time — Time fade Inserting a blank space between selections — Auto space
Fading out at the desired time — Time fade Inserting a blank space between selections — Auto space
Fading out at the desired time — Time fade Inserting a blank space between selections — Auto space

# Introduction

### Enjoy listening in various playing modes

You can select the playing modes among the following:

- The entire disc is played Continous play (page 8) once.

- Selections are played in a Shuffle play (page 12) random order.

Delete play (page 13) Selections of your choice are played in the order you

desire. - Selections or portions are played repeatedly.

Program play (page 16) - Selections are played in your desired order.

# **Editing your own tapes**

Repeat play (page 15)

- · You can fade in or out the play when making your own tape recording. - Fade in/Fade out (page 11)
- **CUSTOM EDIT function** 
  - You can designate the playing order of up to 6 discs.
  - Multi-disc program (page 18)
  - You can confirm the total playing time while choosing the selections to be programmed. - Program edit (page 16)
- The player can program selections automatically to fit in a desired duration. - Time edit/Just edit (page 20)
- You can stop the play, fading out at the time desired. - Time fade (page 22)
- The loudest portion of the disc will be determined and played repeatedly. - Peak search (page 22)

You can play a beginning of each selection
You can check the selections by scanning the beginning of each selection in the disc. - Music scan (page 14)

## Making your disc custom-made — CUSTOM FILE function

- · You can store the programmed playing order for a disc. - Program bank (page 24)
- You can keep your desired selections in memory Delete bank (page 25)
- · You can assign a name to a disc, such as the title of the disc or the date of purchase. - Disc memo (page 26)
- · You can assign your own index point to any desired position on a disc. - Custom index (page 28)
- · You can store the optimum playback level of each disc in the unit's memory. - Level file (page 29)

You can make 3-second blanks between selections
The blank space enables you to locate selections when using a tape deck with the automatic selection search function.

### Easy-to-see display

The selection number, the playing time, the remaining time are displayed by pressing the TIME/MEMO button.

In addition, you can change the desired display information by selecting three patterns. Adjusting the brightness of the display by selecting three patterns.



This indicates a function operated only from the remote commander.



This indicates a function operated only on the main unit.

# **Safety Precautions**

- Check the unit's operating voltage before operation.
   It must be identical with that of your local power supply.
   The operating voltage is indicated on the nameplate at the rear of the unit.
- Stop operation immediately if any liquid or solid object should fall into the cabinet. Unplug the unit and have it checked by qualified personnel.
- Unplug the unit from the wall outlet if you will not use it for a long time. Disconnect the cord by grasping the plug.
   Never pull the cord itself.

The unit is not disconnected from the mains as long as it is plugged into the wall outlet, even if the unit itself has been turned off.

 Do not disassemble the cabinet. The laser beam used in this unit is harmful to the eyes when uncovered. Refer servicing to qualified personnel only.

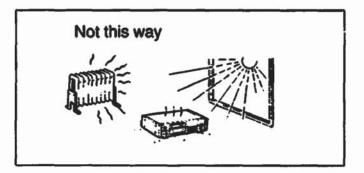
For detailed safety precautions, see the leaflet "IMPORTANT SAFEGUARDS".

If you have any questions or problems concerning your unit, please contact your nearest Sony dealer.

# Installation

# **Placing Your Unit**

- Place the unit in a location with adequate air circulation to prevent internal heat build up in the unit.
- Do not place the unit on a soft surface, such as a rug that would block the ventilation holes on the bottom.
- · Do not install the unit:
  - -near heat sources such as radiators or air ducts.
  - in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.



## On moisture condensation

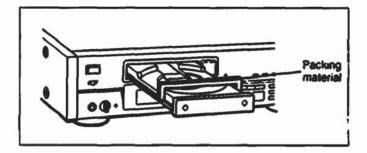
If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the unit. Should this occur, the player will not operate. In this case, remove the disc and leave the player turned on for about an hour until the moisture evaporates.

# **Detaching the Side Panels**

After removing the screws, secure the cabinet with the supplied lock screws. Do not use the longer screws. For safety, before doing this, be sure to disconnect the AC power card from the AC outlet.

# Note on Packing Material

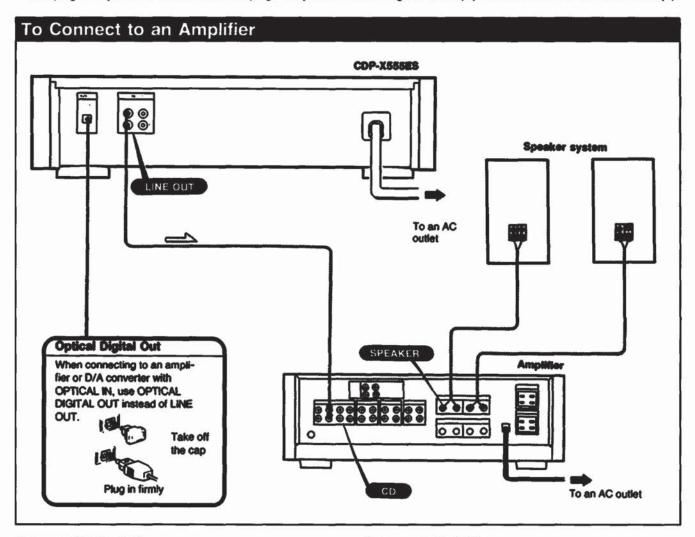
Before playing this unit for the first time, be sure to remove the packing material from the disc compartment.



# Connections

# For Correct Connections

- · Turn off the power of each unit before making connections.
- · Connect the AC power cord last.
- · Be sure to insert the plugs firmly into the jacks. Loose connection may cause hum and noise.
- Leave a little slack in the connecting cord to allow for inadvertent shock or vibration.
- · Cord plugs and jacks are color coded: Red plugs and jacks are for the right channel (R) and white ones for the left channel (L).



## **Note on DIGITAL OUT**

When connecting with DIGITAL OUT (OPTICAL), use the POC-15 audio optical connecting cord (optional). Please note that when the digital out is connected, fade out, fade in, time fade and level file functions cannot be used.

## Notes on LINE OUT\*

FIXED: The output level is fixed.

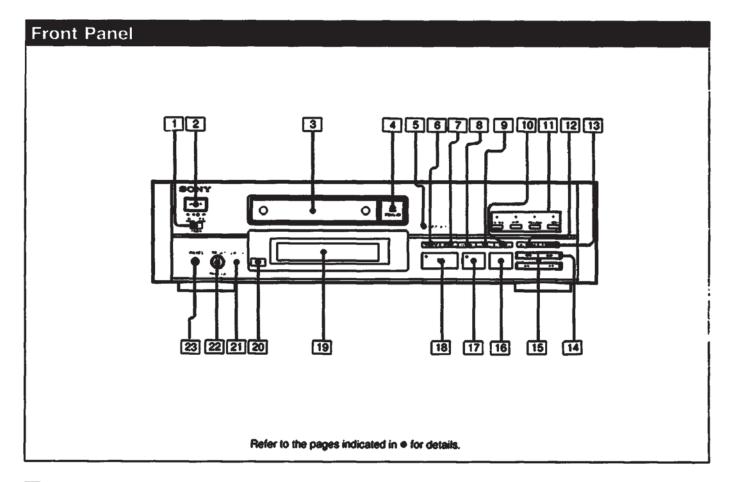
VARIABLE: The output level can be adjusted with the LINE OUT/PHONE LEVEL control or LINE OUT

LEVEL on the remote commander.

Connect your system to the VARIABLE output when using level file.

Note, if the LINE OUT/PHONE LEVEL control is turned while recording, the recording level will change even when it is preset on the tape deck.

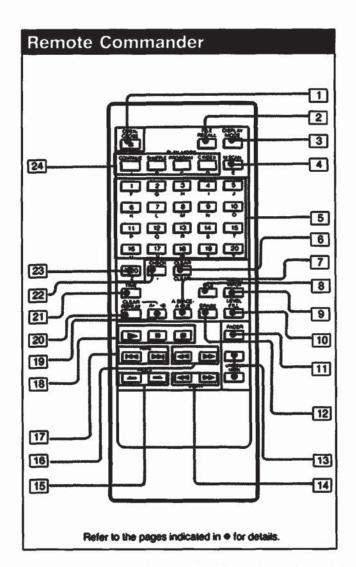
# **Location of Controls**



- TIMER switch ●
- 2 POWER switch
- 3 Disc tray
- OPEN/CLOSE button ●
- 5 DISPLAY MODE button •
- 6 TIME/MEMO button ●
- REPEAT button ●
- B FILE RECALL button ●
- ☐ FILE (custom file) button ●
- III ERASE (memory erase) button ●
- **III** PLAY MODE buttons
  - CONTINUE button and lamp
  - SHUFFLE button and lamp
  - PROGRAM button and lamp
  - C. (custom) INDEX button and tamp

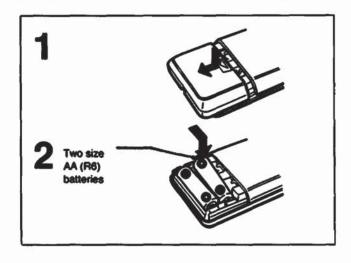
- 12 EDIT/TIME FADE button •
- 13 P. (peak) SEARCH button
- 14 → (manual search) buttons ●
- 15 Idd >> AMS' buttons
- [16] (stop) button
- 17 II (pause) button
- 18 ► (play) button ●
- 19 Display window
- 20 Remote sensor
- 21 LEVEL FILE button
- LINE OUT/PHONE LEVEL control •
- PHONES jack

<sup>\*</sup> AMS is the abbreviation of Automatic Music Sensor.



FILE RECALL button **DISPLAY MODE button** M. (music) SCAN button 5 Numeric buttons 6 CLEAR button . ☐ A. SPACE (auto space)/A. CUE (auto cue) button 
☐, 
☐ 8 FILE (custom file) button 9 MEMO INPUT button 10 LEVEL FILE button 11 FADER (fade in/fade out) button • 12 ERASE button 13 LINE OUT LEVEL (line out/headphone level) buttons . 14 → SLOW (low speed manual search) buttons ● → INDEX buttons ●, ● [16] ◄◄▶► (manual search) buttons ● IN AMS buttons 18 (stop) button III (pause) button ► (play) button ● 19 A - B repeat button 20 CLEAR REPEAT button (A - B repeat clear/repeat) button • 21 TIME button • CHECK button > 20 (over 20) button • [24] PLAY MODE buttons CONTINUE button SHUFFLE button PROGRAM button C. (custom) INDEX button Buttons with yellow letters (A, B, C, ...... ) are for writing a disc

# Installing Batteries in the Remote Commander



### On battery life

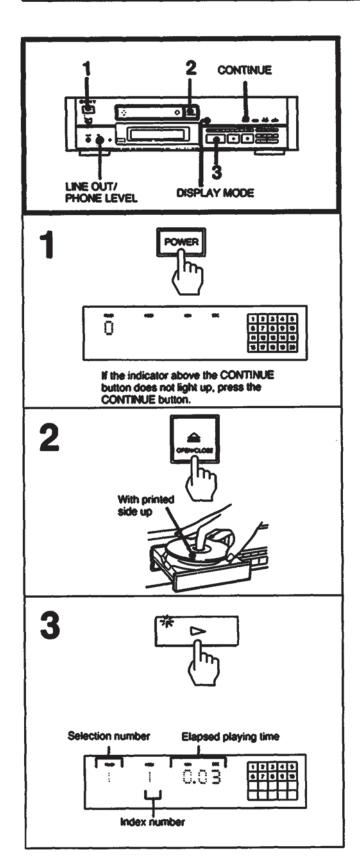
memo (page 26).

- About half a year of normal operation can be expected when using the Sony SUM-3(NS) batteries.
- When the batteries are run down, the remote commander will not operate the unit. In this case, replace both batteries with new ones.

# Notes on the remote commander and remote control operation

- Keep the commander away from extremely hot or humid places.
- Avoid dropping any foreign objects into the commander casing, particularly when replacing the batteries.
- Avoid exposing the remote sensor to direct sunlight or lighting apparatus. Such exposure can cause a malfunction.
- To avoid damage caused by battery leakage and corrosion, remove the batteries when the commander will not be used for a long time.

7



## To stop play

To stop for a moment during play, press II. Press II or ▶ to resume play.

To stop play, press

To stop play and open the tray, press ...

## To control the volume

When you use VARIABLE, adjust the volume with LINE OUT/PHONE LEVEL control of the player or LINE OUT LEVEL of the remote commander. Press + of the remote commander to turn up the volume and press — to turn down the volume. When you press + or —, the LINE OUT/PHONE LEVEL control of the player rotates automatically.

## Caution on adjusting volume

Do not turn up the volume while listening to a portion with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level portion is played.

### When listening with headphones

Connect the headphones and adjust the volume with the LINE OUT/PHONE LEVEL control or LINE OUT LEVEL of the remote commander.

### Note on the TIMER switch

Leave the TIMER switch off when you are not using timer activated play. (For further details, refer to page 30).

### If disc contains more than 20 selections

> appears in the display window behind 20 on the music calender.

# What is this indication?

This indication appears when the disc compartment is empty. The indication can be changed to a customized indication (page 26).

# To play a 8 cm (3-inch) CD

Place it on the inner circle of the tray. If the disc is provided with an adaptor, first remove it. Do not put a normal CD (12 cm/5-inch) on top of a 8 cm CD.

### Notes on handling discs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- · Do not stick paper or tape on the disc.

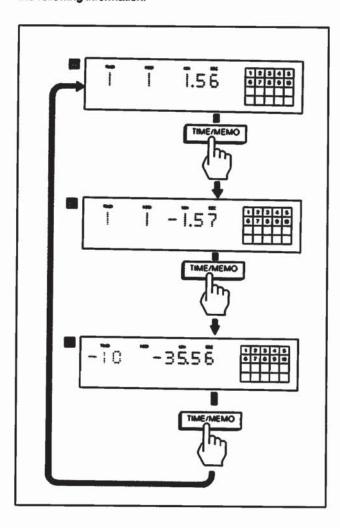




- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as there can be a considerable rise in the temperature.
- After playing, store the disc in its case.

# Information Display

Each time you press TIME/MEMO (or TIME on the remote commander) during play, the display changes to give you the following information.



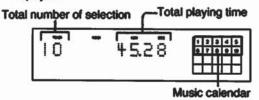
- Elapsed playing time
- Remaining time in a selection
  If the current selection number is over 24, "----" is
  displayed.
- Remaining number of selections and total remaining time.

If you have stored a disc memo

The stored disc memo will be displayed, following the display of the remaining time of the disc.

If you press TIME/MEMO (or TIME on the remote commander) during stop

The total playing time and total number of selections will be displayed.

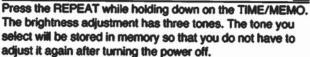


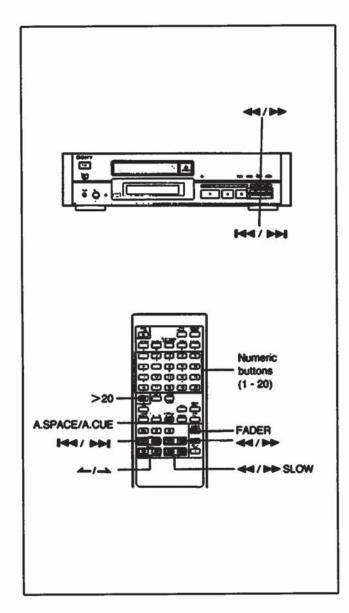
To change the parts of information display

Each time you press the DISPLAY MODE on the remote commander during play, the display changes to give you the following information.

→Entire display On → Track number, index number and playing time On → Entire display Off ————

# To adjust the brightness of the display — DIMMER function





# Locating a Particular Selection

You can locate the beginning of a desired selection during play or pause.

To locate sequentially

To locate the beginning of the current or preceding selection

- · Press I◀◀ as many times as required.
- Keep I◄◄ pressed to skip selections.

# To locate the beginning of the succeeding selection

- · Press ▶▶ as many times as required.
- Keep ▶▶I pressed to skip selections.

When you press I≪ during play

The player locates the beginning of the selection.

To locate directly					1,5,
Press one of the numeric buttons (	1	to	E03	) to enter	
the desired selection number. If a selection number is greater that and 1 to 10 buttons. 10 as the figure 0.	n 20, func	use tion:	the s	≥20	
e.g. To play from selection No.22 To play from selection No.30	Pres Pres	s [	>20 >20	2 2 3 10	

# Locating a Particular Point in a Selection

You can locate a particular point in the disc during play.

To search quickly while monitoring the sound

To go ahead at high speed

Keep ▶▶ pressed during play and release at the desired point.

To go back at high speed

Keep ◀◀ pressed during play and release at the desired point.

To search quickly by observing the display

Press II, then keep <a or >> pressed. The search speed will increase, but there will be no sound. Find the desired point by observing the display.

Press III or ▶ again at the desired point.

To search slowly while monitoring the sound

Press ◄◄/▶➤ SLOW during play and release at the desired point.

"-OVER-" is displayed

THE PARTY SECTION OF THE PROPERTY OF THE PARTY OF THE PAR

If you continuously press ▶ at the end of the disc, "-OVER-" appears in the window. Press ◄ or I◄ to turn the normal indication.

If you continuously press << at the beginning of the disc, play begins automatically from the first selection.

# Locating an Index

Ŧ

This function is only possible with a disc on which index numbers are recorded.

Press or to locate the desired index number.

The selected index number appears in the display window.

### What is an Index?

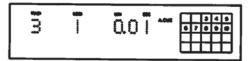
This is a number assigned to a section of a selection (for example, to a movement in a symphony) to allow that section to be located easily.

# To Play a Selection Immediately From the Beginning — Auto Cue 11

Auto cue lets you play right from the beginning of a given selection without having to listen to the blank lead-in.

## To use auto cue

- Press the A.SPACE/A.CUE twice.
   "A.CUE" will appear in the window.
- Press III and then make your selection by pressing the numeric button.



The time display will go out while the player is searching for the beginning of your selection. When the selection has been cued, the time display will come back on. (Some selections make take longer to find.)

3. Press ➤ or III. The selection will start immediately.

## To cancel auto cue

Press the A. SPACE/A. CUE again.

"A.CUE" will disappear in the window.

### Note on auto cue

Selections that fade in slowly or have noise in the lead-in may not be picked up successfully by the auto cue function.

# Fading in/Fading out



You can have the play fade in / fade out between 2-10 seconds.

When no time is specified, the play will fade in and fade out for 5 seconds.

This function cannot be operated when the DIGITAL (optical) OUT is used for connections.

### To set the fade time

- 1. Press
- 2. Press FADER.
- Press ◀◀ / ▶► to select fade time between 2-10 seconds.

# To end the play fading out

Press FADER when you want to start fading out.

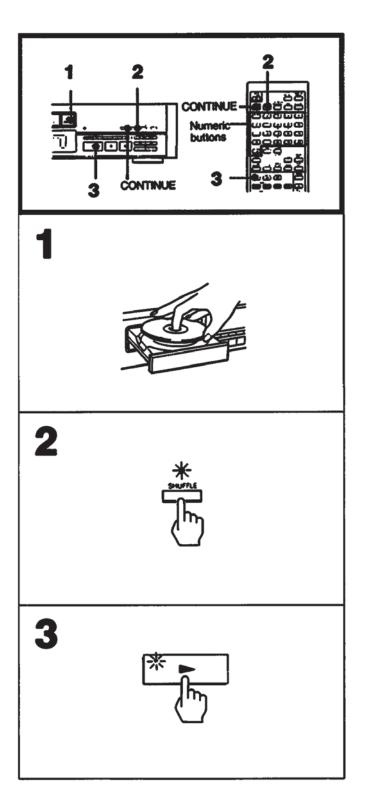
flashes in the window, and play fades out and enters the pause mode.

# To restart the play fading in

Press FADER in the pause mode.

flashes in the window, and play fades in.

# Playing in a Random Order — Shuffle Play



You can have the selections played in a random order. The unit will play all the selections, or just the selections you desire.

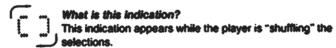
# To stop playing Press III.

To cancel shuffle play
Press CONTINUE and return to the normal playing mode.

# To check the remaining time

Press TIME/MEMO (or TIME on the remote commander) once to see the remaining time of the selection being played; twice to see the total remaining time; once more to return to the initial display.

If you press SHUFFLE during play
Shuffle play begins from the current selection.



To play only the desired selections in a random order — Delete Shuffle Play



Delete the undesired selections before or during play.

To delete a selection, press the numeric button on the remote commander for that selection. "DELETE" will be displayed in the window. You cannot delete a selection which is being played.

To choose a selection number over 20, see page 10.

To put back a selection which you have deleted, press the numeric button on the remote commander for that selection. "SELECT" will be displayed in the window.

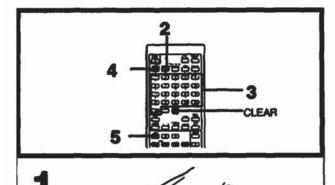
To put back all selections which you have deleted, press **II** during stop.

If you press CONTINUE during delete shuffle play Delete play begins from the current selection. (page 13)

# Playing Only the Desired Selections

-Delete Play







The indicator above the SHUFFLE button on the unit lights up.

Press the numeric button(s) of undesired selection number on the remote commander (to be deleted).\*



The number disappears.

S DELETE



\* To choose a selection number over 20, see page 10.

To put back a selection which you have deleted, press the numeric button on the remote commander for that selection. "SELECT" will be displayed in the window.

4



The indicator above the CONTINUE button on the unit lights up.

5



Your desired selections can be played continuously. You can set the mode before or during playing.

# To Delete the Undesired Selection Before Playing

To stop playing Press III.

When delete play ends

Selections except deleted ones will be restored.

To put back all selections which you have deleted, press III during stop.

If you press SHUFFLE during delete play, your selections will be played in the Delete Shuffle play mode.

For a disc with selections over 24

The remaining time of the disc as a whole appears as "----".

# To Delete a Selection During Play

This function can only be operated during continuous play or shuffle play.

### To delete a selection

Press CLEAR on the remote commander during a selection you do not desire to listen to. Next selection is played.

# When play ends

Selections except deleted ones will be restored.

### To play again

Press ▶. Delete play starts.

To put back a selection which you have deleted, press the numeric button on the remote commander for that selection. "SELECT" will be displayed in the window.

To put back all selections which you have deleted, press III during stop.

### Note

The same of the sa

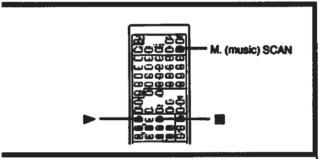
You can keep the desired selections in memory for each disc by using the delete bank function. (Page 25).

# Playing the Beginning of Each Selection —Music Scan

You can check the selections by scanning the beginning of each selection in the disc.



# Music Scan

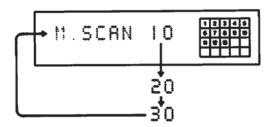


Press M.SCAN on the remote commander during stop.



To change the playing time

Press M.(music) SCAN on the remote commander again. Each time you press M. SCAN on the remote commander, the display will be as follows:



The indicator on the ▶ button blinks and beginning of each selection is played for 10, 20 or 30 seconds as designated and fades out.

You can use this function in any play mode.

# When scanning is finished,

he unit enters the stop mode.

# To start play immediately

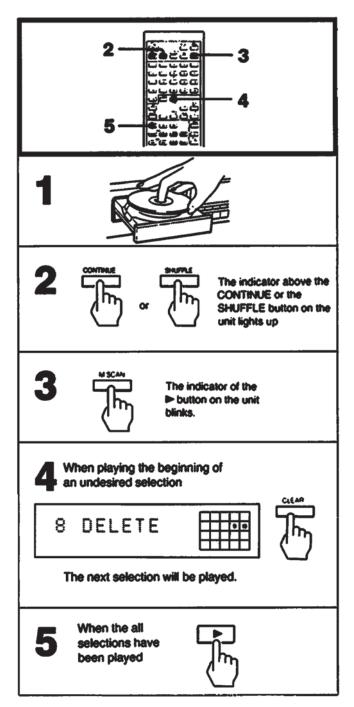
Press ▶. The indicator on the ▶ button lights up, normal playback will start from the selection being played.

Fo stop music scan during scanning Press III.

### Votes

- When you press M. SCAN on the remote commander again, white playing the beginning of a selection, playing will be extended for 10, 20 or 30 seconds as designated.
- The scanning length for each selection will remain the same unless it is changed again.
- If you press ◄◄ / ▶▶, the music scan play will be canceled.

# Music Scan Delete Play



This function can only be operated during continuous play or shuffle play.

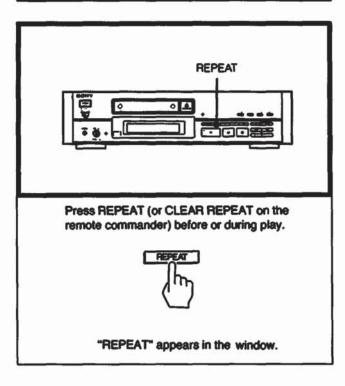
# When music scan delete play ends

Selections except deleted ones will be restored.

To put back a selection which you have deleted, press the numeric button for that selection. "SELECT" will be displayed in the window.

To put back all selections which you have deleted, press III during stop.

# **Repeating Selections**



The units repeats the current playing mode. To repeat a single selection, press REPEAT (or CLEAR REPEAT on the remote commander) again during repeat play of the continuous playing mode "REPEAT 1" appears.

Playing mode	Selections to be repeated				
Continuous play	All the selections or a single selection				
Delete play	Repeat playing selections except delèted ones				
Shuffle play Delete shuffle play	Selections that the player reshuffles				
Program play	All the selections programmed in the same order				
Custom index play	Between the specific custom indexes				

### Note

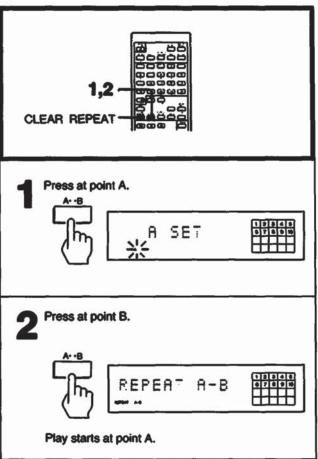
Repeat play cannot be conducted on multi-disc programs.

### To cancel repeat play

Press REPEAT (or CLEAR REPEAT on the remote commander) again. "REPEAT" disappears.
To cancel repeat play of the continuous play, press "REPEAT" twice. "REPEAT" disappears.

# Repeating a Particular Portion —A ·· B Repeat

11



You can repeat a portion on the disc by designating the starting point (A) and the ending point (B).

### To cancel A -- B repeat

Press CLEAR REPEAT (or REPEAT on the unit).

# Going back to the same point (A) from any point on the disc

Press A - B to designate the desired point (A). (Point B need not be designated.)

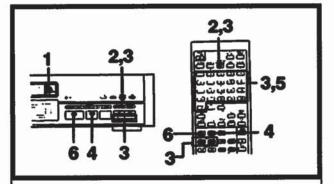
You can go back to point A from any point on the disc by simply pressing ▶.

### Not

You cannot designate point A and B in two different selections.

# Playing in a Desired Order

- Program Play



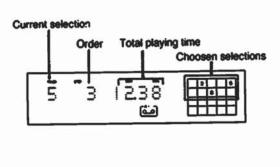




The indicator above the PROGRAM button on the unit lights up.

This step can be operated only from the remote commander Press selection number in the desired order.\*





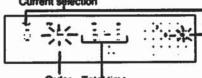
\* To choose a selection number over 20, see page 10.



A Choose selection and check the time.



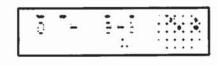
Current selection



Order Total time Press ► / ► repeatedly to choose an appropriate selection.

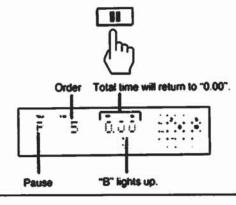
B A satisfactory selection has been chosen.





The selection is stored, and the flashing numbers in the window light up.

If you program the selections for side B, insert a pause.



Program the selections for side B. Repeat step 3.



The selections for side A will start playing.