

# *Compact Disc Player*

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Operating Instructions



*CDP-CE545*

## WARNING

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

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

For the customers in the United States



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 maintenance (servicing) instructions in the literature accompanying the appliance.

## INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## CAUTION

You are cautioned that any changes or modification not expressly approved in this manual could void your authority to operate this equipment.

## Owner's Record

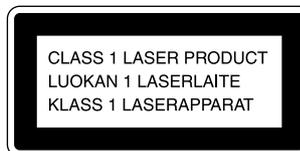
The model and serial numbers are located at the rear of the unit. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. CDP-CE545

Serial No. \_\_\_\_\_

## For the customers in Australia

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.



## Welcome!

Thank you for purchasing the Sony Compact Disc Player. Before operating the unit, please read this manual thoroughly and retain it for future reference.

## About This Manual

The instructions in this manual are for model CDP-CE545.

## Conventions

- Instructions in this manual describe the controls on the player. You can also use the controls on the remote if they have the same or similar names as those on the player.
- The following icons are used in this manual:



Indicates that you can do the task using the remote.



Indicates hints and tips for making the task easier.

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## Unpacking

Check that you received the following items:

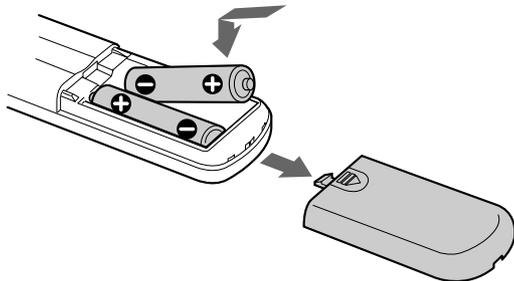
- Audio cord (1)
- Remote commander (remote) (1)
- Size AA (R6) batteries (2)

### Inserting batteries into the remote

You can control the player using the supplied remote. Insert two size AA (R6) batteries by matching the + and – on the batteries to the diagram inside the battery compartment.

Insert the negative (–) end first, then push in and down until the positive (+) end clicks into position.

When using the remote, point it at the remote sensor  on the player.



### When to replace batteries

With normal use, the batteries should last for about six months. When the remote no longer operates the player, replace all the batteries with new ones.

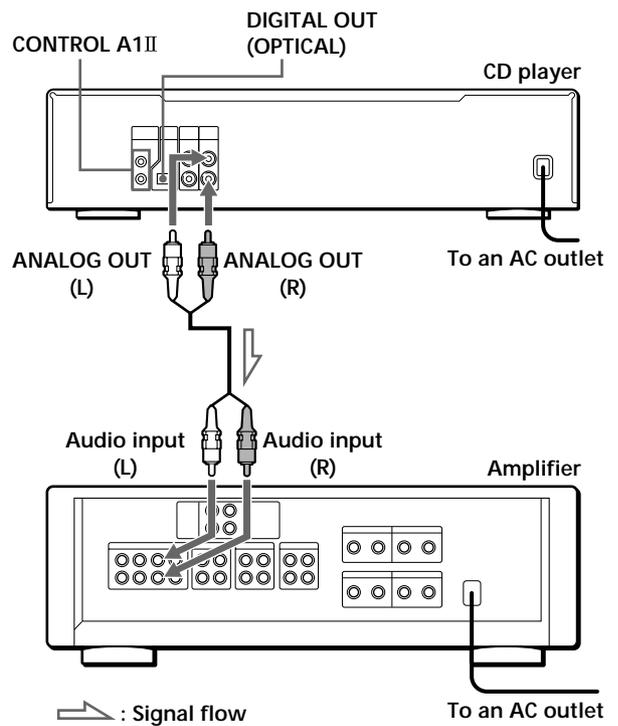
### Notes

- Do not leave the remote near an extremely hot or humid place.
- Do not drop any foreign object into the remote casing, particularly when replacing the batteries.
- Do not expose the remote sensor to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you don't use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

## Hooking Up the System

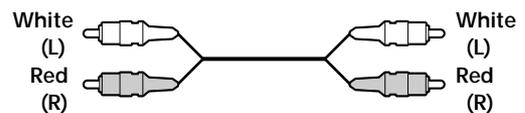
### Overview

This section describes how to hook up the CD player to an amplifier. Be sure to turn off the power of each component before making the connections.



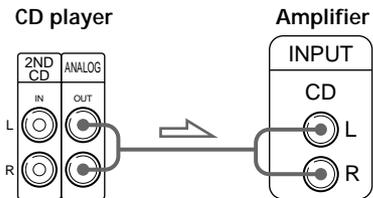
### What cords will I need?

Audio cord (supplied) (1)



## Hookups

When connecting an audio cord, be sure to match the color-coded cord to the appropriate jacks on the components: Red (right) to Red and White (left) to White. Be sure to make connections firmly to avoid hum and noise.



### You can adjust the output level to the amplifier

Press ANALOG OUT LEVEL +/- on the remote. You can reduce the output level up to -20 dB.

When you reduce the output level, "FADE" appears in the display.

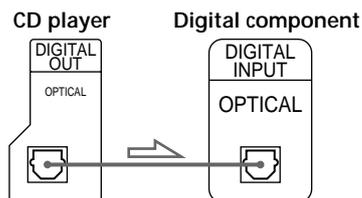
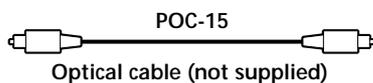
#### Note

If you press the ANALOG OUT LEVEL +/- buttons on the remote while recording, the recording level will change even when it is preset on the tape deck, etc.

- **If you have a digital component such as a digital amplifier, D/A converter, DAT or MD**

Connect the component via the DIGITAL OUT (OPTICAL) connector using the optical cable (not supplied). Take off the cap and plug in the optical cable.

Note that you cannot use fading in or out (page 22) and Time Fade (page 23) functions when making this connection.



#### Note

When you connect via the DIGITAL OUT (OPTICAL) connector, noise may occur when you play CD software other than music, such as a CD-ROM.

### If you have a Sony component with the CONTROL A1II (or CONTROL A1) jack

Connect the component via the CONTROL A1II (or CONTROL A1) jack. You can simplify the operation of audio systems composed of separate Sony components. For details, refer to the supplementary "CONTROL A1II Control System" instructions.

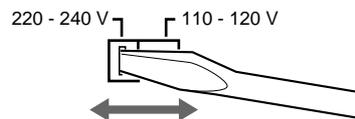
### When using another Sony CD player in conjunction with this player

You can set the supplied remote to be effective on this player only.

- If the other player's command mode can be set: Set the CD1/2/3 switch of this player's remote to CD1 (factory setting), and set the other player's remote to CD2 or CD3.
- If the other player's command mode cannot be set: Set the CD1/2/3 switch of this player's remote to CD2 or CD3. If you connect this player with another Sony CD player, you have to set the command mode of each player. For details, see "Connecting Another CD Player" on page 6.

## Setting the voltage selector (voltage selector equipped models only)

Check that the voltage selector on the rear panel of the player is set to the local power line voltage. If not, set the selector to the correct position using a screwdriver before connecting the AC power cord to a wall outlet.



## Connecting the AC power cord

Connect the AC power cord to a wall outlet.

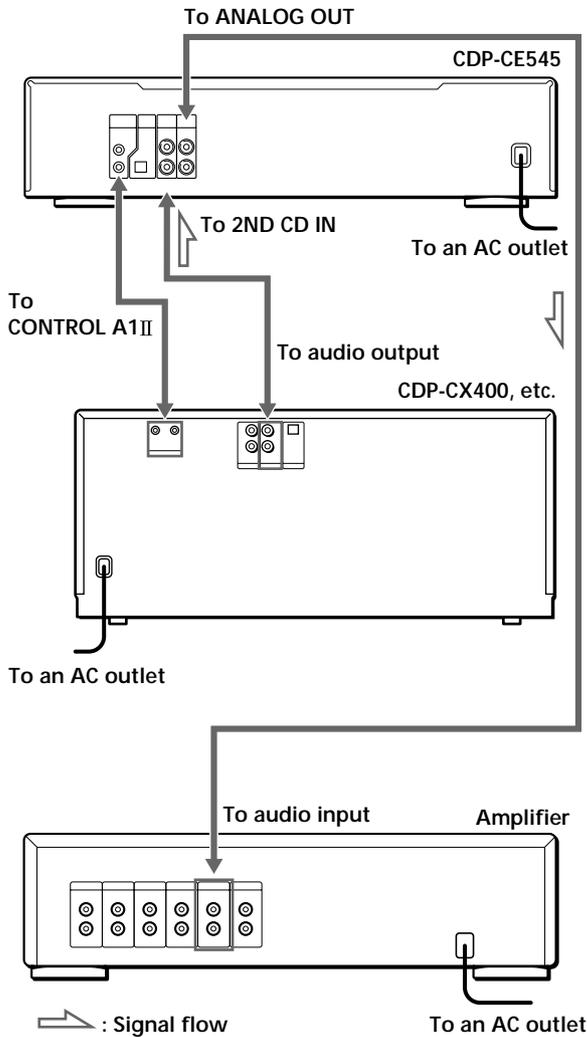
## Transporting the player

Before transporting the player, follow the procedure below to return the internal mechanisms back to their original position.

- 1 Remove all the discs from the disc tray.
- 2 Press  OPEN/CLOSE to close the disc tray. "-NO DISC-" appears in the display.
- 3 Wait for 10 seconds, then press POWER to turn off the player.

## Connecting Another CD Player

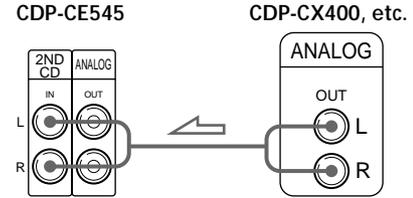
If you have a Sony CD player in which 5, 50, 200, 300, or 400 discs can be inserted and which is equipped with the CONTROL A1II (or CONTROL A1) jack and the command mode of that player can be set to CD 3, you can control that player as the second player with this player. After connecting this player and an amplifier, follow the procedure below. Be sure to turn off the power of each player before making this connection.



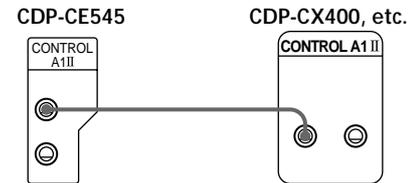
### What cords will I need?

- Audio cord (1) (Use the cord supplied with the player to be connected.)
- Monaural (2P) mini-plug cord (1) (not supplied)

- 1 Connect the players with an audio cord (see also "Hookups" on page 5).

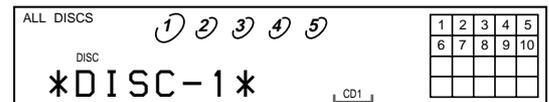


- 2 Connect the players with a monaural (2P) mini-plug cord.



For details on this connection, refer to the supplementary "CONTROL A1II Control System" instructions.

- 3 Set the command mode of this player to CD1 (factory setting) or CD2, and set that of the second player to CD3. Check the display for the current command mode of this player, if the mode is CD3, you have to change the mode as described on the next page.



Current command mode

When the setting of both players is complete, set the CD1/2/3 switches on each remote accordingly.

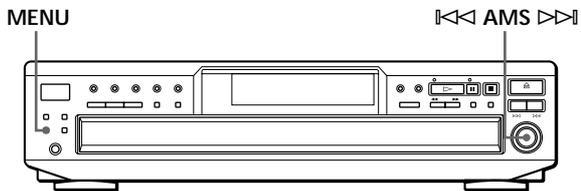
For details on how to operate the second player, see "Controlling Another CD Player" on page 18 and "Playing Alternately" on page 20.

- 4 Connect the AC power cord of both players to AC outlets.

## Notes

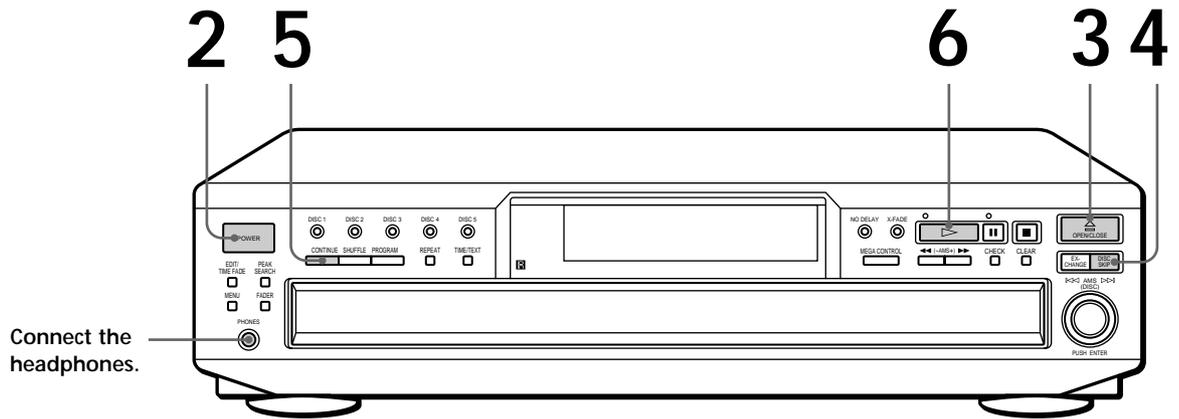
- Do not connect a player other than that you use as the second player to the 2ND CD IN jacks of this player.
- When connecting a second CD player, do not connect the DIGITAL OUT (OPTICAL) connector of this player to the amplifier.

## Changing the command mode of the player



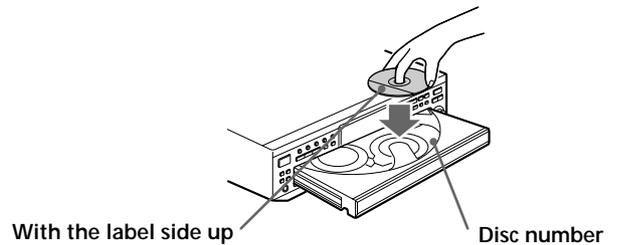
- 1 Press MENU.
- 2 Turn **AMS** to select "COMMAND MODE."
- 3 Push **AMS**.  
The current command mode appears.
- 4 Turn **AMS** to select CD1 or CD2, then push **AMS** again.

# Playing a CD



- See pages 4 - 5 for the hookup information.

- 1 Turn on the amplifier and select the CD player position so that you can listen to the sound from this player.
- 2 Press POWER to turn on the player.
- 3 Press OPEN/CLOSE, and place a disc on the disc tray.



- 4 To place other discs, press DISC SKIP and place the discs in the order you want to play.  
Each time you press the button, the disc tray turns and you can place the discs in the empty disc compartments. The player plays the disc in front of you first.
- 5 Press CONTINUE to select ALL DISCS or 1 DISC Continuous Play mode.  
Each time you press the CONTINUE button, "ALL DISCS" or "1 DISC" appears in the display.

| When you select | The player plays  |
|-----------------|---|
| ALL DISCS       | All discs in the player consecutively in the order of disc number |
| 1 DISC          | Only the disc you've selected                                     |

**You can select the disc you want to start playing first**  
 Press one of the DISC 1 - 5 buttons.

**You can adjust the output level to the amplifier**  
 Press ANALOG OUT LEVEL +/- on the remote. You can reduce the output level up to -20 dB.

When you reduce the output level, "FADE" appears in the display.

The headphones volume will also change when you adjust the output level.

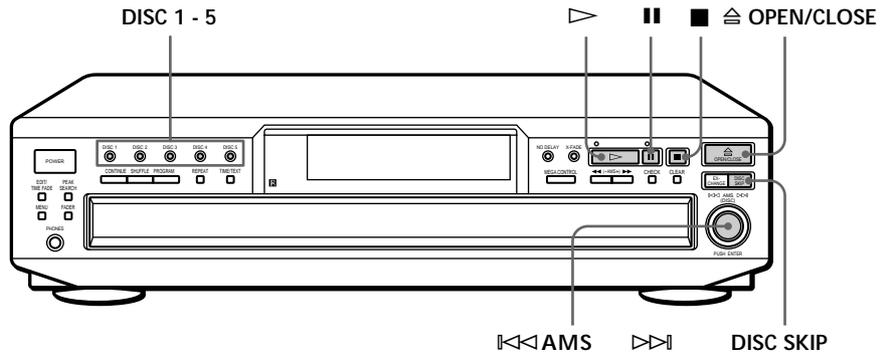
**Note**

If you press the ANALOG OUT LEVEL +/- buttons on the remote while recording, the recording level will change even when it is preset on the tape deck, etc.

**6** Press ▷.  
 The disc tray closes and the player plays all the tracks once (Continuous Play). Adjust the volume on the amplifier.

**To stop play**

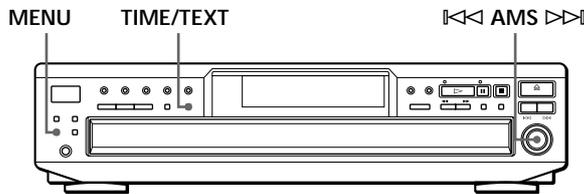
Press ■.



| To                             | You need to                     |
|--------------------------------|---------------------------------|
| Pause                          | Press                           |
| Resume play after pause        | Press    or ▷                   |
| Go to the next track           | Turn ▷▷ AMS ▷▷ clockwise        |
| Go back to the preceding track | Turn ▷▷ AMS ▷▷ counterclockwise |
| Go to the next disc            | Press DISC SKIP                 |
| Select a disc directly         | Press DISC 1 - 5                |
| Stop play and remove the CD    | Press ≡ OPEN/CLOSE              |

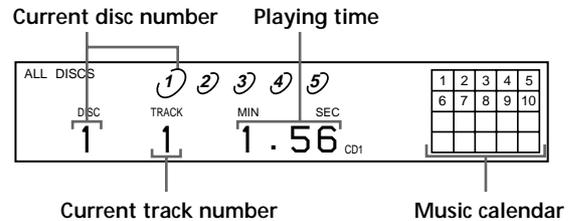
## Using the Display

You can check information about the disc using the display.



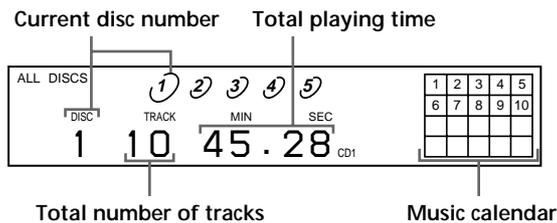
## Display information while playing a disc

While playing a disc, the display shows the current disc number, current track number, playing time of the track and the music calendar.



## Checking the total number and playing time of the tracks

Press TIME/TEXT before you start playing. The display shows the current disc number, the total number of tracks, total playing time and music calendar.



The information also appears when you press the OPEN/CLOSE button to close the disc tray. The tracks numbered over 20 cannot be displayed in the music calendar.

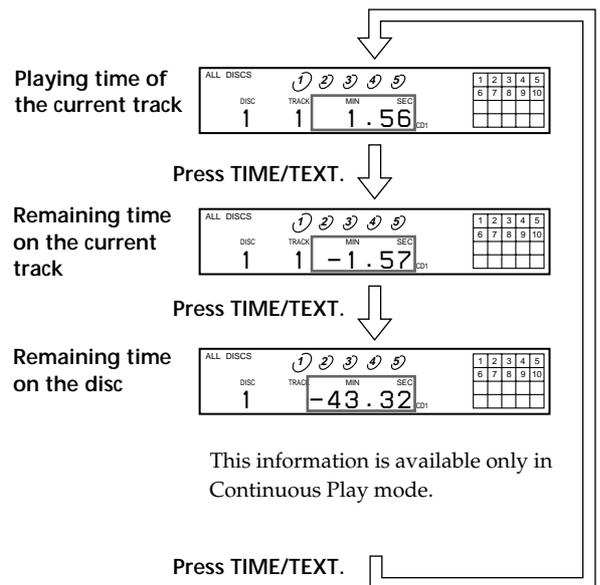
### Notes on the disc number indications

- The red circle around a disc number indicates the disc is ready to be played.
- When all the tracks on a disc have been played, the semi-circle around the disc number disappears.
- When a disc compartment is recognized as empty, the semi-circled disc number disappears.

The track numbers in the music calendar disappear after they are played.

## Checking the remaining time

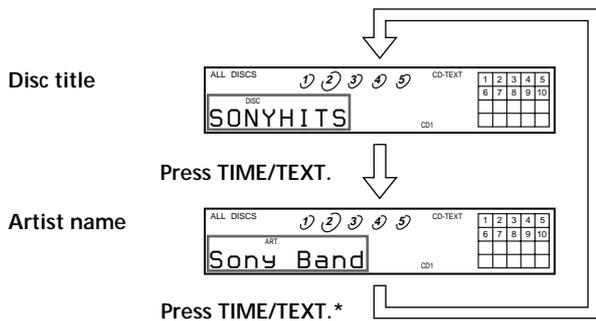
Each time you press the TIME/TEXT button while playing a disc, the display changes as shown in the chart below.



### Checking the information of CD TEXT discs

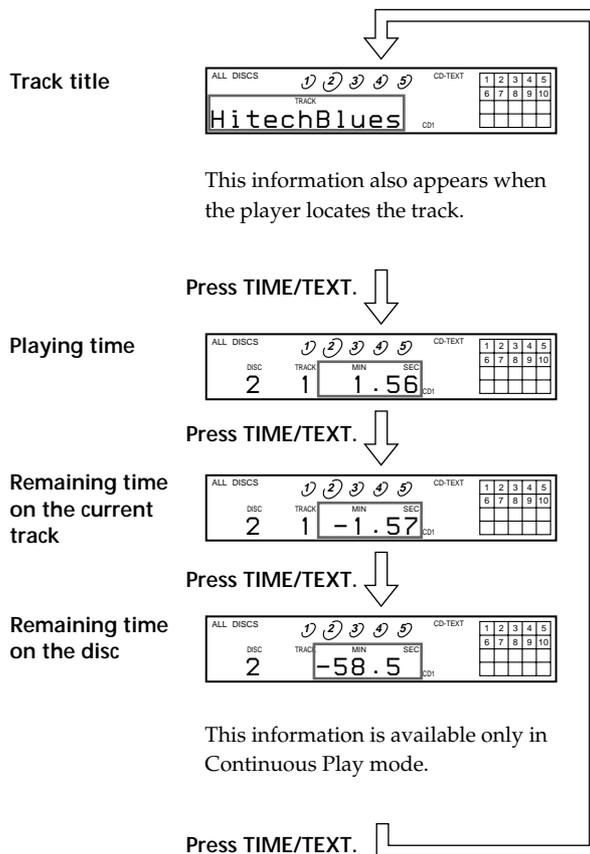
CD TEXT discs have information, such as the disc titles or artist names, memorized in a blank space on the discs where there is no information on normal discs. The display shows the CD TEXT information of the disc so that you can check the current disc title, artist name and track title. When the player detects CD TEXT discs, the "CD-TEXT" indication lights up in the display. Each time you press the TIME/TEXT button, the display changes as shown in the charts below.

• Before you start playing



\* The display shows the current disc number, total number of tracks and total playing time of the disc for a few seconds before returning to the disc title indication.

• While playing a disc



This information also appears when the player locates the track.

This information is available only in Continuous Play mode.

If each CD TEXT information has more than 12 characters, the first 12 characters light up after all the characters scrolled in the display.

**Note**

This player can only display the disc titles, track titles and artist names from CD TEXT discs. The other CD TEXT information cannot be displayed.

**To play disc highlights** 

Some CD TEXT discs have a feature to play only the highlights of the discs. When you select such a disc, "HIGH LIGHT" appears in the display.

Press HIGH-LIGHT on the remote to start playing disc highlights in the stop mode. "HIGH LIGHT" flashes in the display while playing disc highlights.

## Selecting the language of the CD TEXT information

You can select the language used to display the CD TEXT information when you select a CD TEXT disc with multi-language information. Once you select the language, the display shows the information in the selected language until you turn off the player. If the player cannot read the language memorized in a CD TEXT disc, the player shows "(other lang)."

- 1 Press MENU in stop mode.  
"SELECT LANG." flashes in the display.



- 2 Push **◀◀ AMS ▶▶**.
- 3 Turn **◀◀ AMS ▶▶** until the language you want appears in the display.
- 4 Push **◀◀ AMS ▶▶** to select the language.  
"Reading Text" appears momentarily, then the display shows the information in the selected language.

### To check the current language

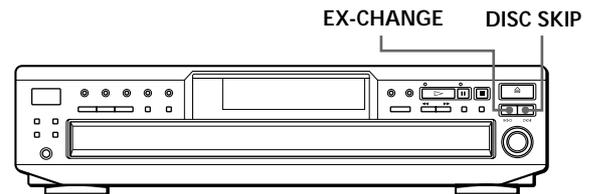
- 1 Press MENU while playing a CD TEXT disc.  
"SHOW LANG." flashes in the display.
- 2 Push **◀◀ AMS ▶▶**.  
The current language appears.  
You can also check the current language while selecting a CD TEXT disc without multi-language information.

### Note

If you select a CD TEXT disc which does not contain the information of the selected language, the display shows the information in another language according to the disc's preference.

## Replacing Discs While Playing a Disc

You can open the disc tray while playing a disc so that you can check what discs are to be played next and replace discs without interrupting play of the current disc.



- 1 Press EX-CHANGE.  
The disc tray opens and two disc compartments appear. Even if the player is playing a disc, it doesn't stop playing.
- 2 Replace discs in the compartments with new ones.  
The player plays the disc on the left side compartment after the current disc, and then the one on the right side compartment.
- 3 Press DISC SKIP.  
The disc tray turns and other two disc compartments appear.
- 4 Replace discs in the compartments with new ones.
- 5 Press EX-CHANGE.  
The disc tray closes.

### Note

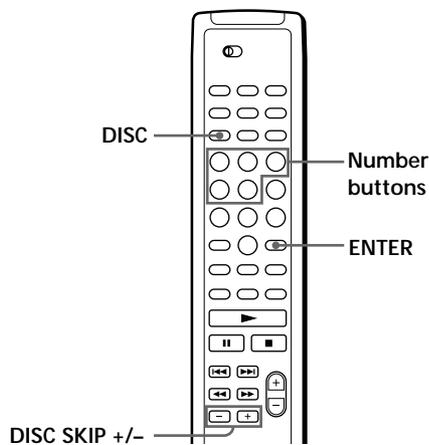
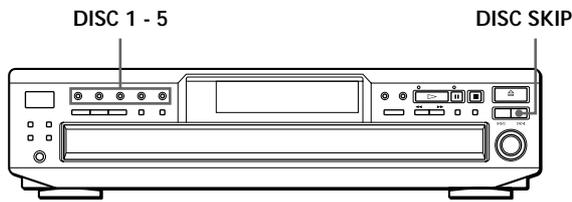
Do not push the disc tray to close it in Step 5, as you may damage the player.

### While the disc tray is open by pressing the EX-CHANGE button

- If the play of the current disc ends, the player stops playing. If the disc is played in 1 DISC Repeat Play mode (see page 14), the current disc starts playing again.
- In ALL DISCS Shuffle Play mode (see page 15), tracks are reshuffled on the current disc.
- In Program Play mode (see page 16), only the tracks on the current disc are played.

## Locating a Specific Disc

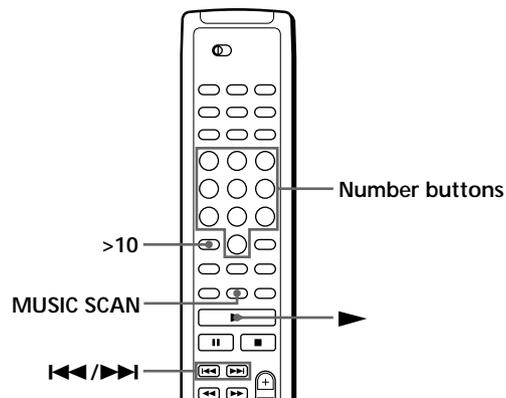
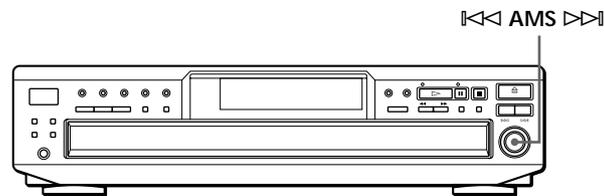
You can locate any disc before or while playing a disc.



| To locate                      | Press  |
|--------------------------------|--|
| The next disc                  | DISC SKIP while playing a disc   |
| The next or succeeding discs   | DISC SKIP + repeatedly until you find the disc   |
| The current or preceding discs | DISC SKIP - repeatedly until you find the disc   |
| A specific disc directly       | DISC 1 - 5.<br>When using the remote, follow the procedure below.<br>1 Press DISC.<br>2 Press the number button of the disc.<br>3 Press ENTER. |

## Locating a Specific Track

You can quickly locate any track while playing a disc using the AMS (Automatic Music Sensor) control or number buttons on the remote.



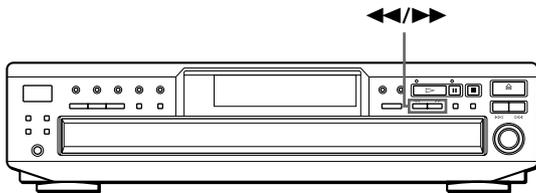
| To locate                                     | You need to   |
|---|---|
| The next or succeeding tracks                 | Turn  clockwise until you find the track. When using the remote, press  repeatedly until you find the track.        |
| The current or preceding tracks               | Turn  counterclockwise until you find the track. When using the remote, press  repeatedly until you find the track. |
| A specific track directly                     | Press the number button of the track on the remote.   |
| A track by scanning each track for 10 seconds | Press MUSIC SCAN on the remote before you start playing. When you find the track you want, press  to start playing. |

**When you directly locate a track numbered over 10**   
Press >10 first, then the corresponding number buttons on the remote. To enter "0," use button 10/0.  
Example: To play track number 30  
Press >10 first, then 3 and 10/0.

**You can extend the playing time during Music Scan**  
Press MUSIC SCAN repeatedly until the playing time you want (10, 20, or 30) appears in the display. Each time you press the button, the playing time changes cyclically.

## Locating a Particular Point in a Track

You can also locate a specific point in a track while playing a disc.



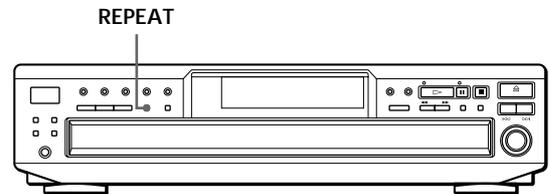
| To locate   | Press   |
|---|---|
| A point while monitoring the sound                    | ▶▶ (forward) or ◀◀ (backward) and hold down until you find the point  |
| A point quickly by observing the display during pause | ▶▶ (forward) or ◀◀ (backward) and hold down until you find the point. You will not hear the sound during the operation. |

### Note

If “- OVER -” appears in the display, the disc has reached the end while you were pressing the ▶▶ button. Press ◀◀ or turn the AMS counter-clockwise to go back.

## Playing Repeatedly

You can play discs/tracks repeatedly in any play mode.



Press REPEAT while playing a disc. “REPEAT” appears in the display. The player repeats the discs/tracks as follows:

| When the disc is played in         | The player repeats                                  |
|------------------------------------|---|
| ALL DISCS Continuous Play (page 8) | All the tracks on all discs                         |
| 1 DISC Continuous Play (page 8)    | All the tracks on the current disc                  |
| ALL DISCS Shuffle Play (page 15)   | All the tracks on all discs in random orders        |
| 1 DISC Shuffle Play (page 15)      | All the tracks on the current disc in random orders |
| Program Play (page 16)             | The same program                                    |

### To cancel Repeat Play

Press REPEAT repeatedly until “REPEAT OFF” appears in the display.

## Repeating the current track

You can repeat only the current track while the disc is played in any play mode.

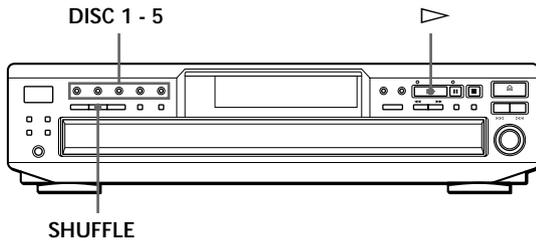
While the track you want is being played, press REPEAT repeatedly until “REPEAT 1” appears in the display.

### To cancel Repeat 1

Press REPEAT.

## Playing in Random Order (Shuffle Play)

You can have the player “shuffle” tracks and play in a random order. The player shuffles all the tracks on all discs or on the disc you’ve specified.



### Shuffle Play on all discs

You can play all tracks on all discs in a random order.

- 1 Press SHUFFLE repeatedly until “ALL DISCS” appears in the display.
- 2 Press ▷ to start ALL DISCS Shuffle Play. The  indication appears while the player is “shuffling” the tracks.

#### To cancel Shuffle Play

Press CONTINUE.

#### You can start Shuffle Play while playing

Press SHUFFLE, and Shuffle Play starts from the current track.

#### You can specify discs during Shuffle Play (Select Shuffle Play)

You can specify discs during ALL DISCS Shuffle Play mode, and the tracks on the specified discs are played in a random order.

Press DISC 1 - 5 to specify the discs after Step 1.

Semi-circles appear around the specified disc numbers in the display. To cancel the selected discs, press DISC 1 - 5 again. The semi-circles disappear.

To return to ALL DISCS Shuffle Play, press SHUFFLE twice.

### Shuffle Play on one disc

You can play all tracks on the specific disc in a random order.

- 1 Press SHUFFLE repeatedly until “1 DISC” appears in the display.
- 2 Press DISC 1 - 5 to start 1 DISC Shuffle Play on the selected disc. The  indication appears while the player is “shuffling” the tracks.

#### To cancel Shuffle Play

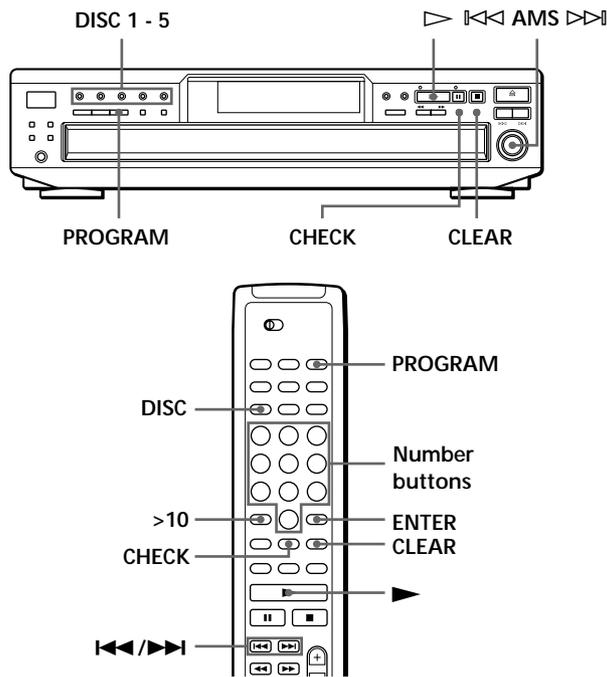
Press CONTINUE.

#### You can start Shuffle Play while playing

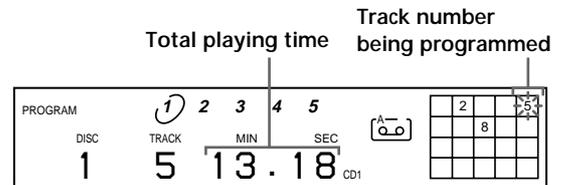
Press SHUFFLE, and Shuffle Play starts from the current track.

## Creating Your Own Program (Program Play)

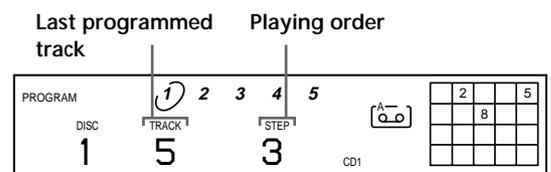
You can arrange the order of the tracks on the discs and create your own program. The program can contain up to 32 “steps” — one “step” may contain a track or a whole disc.



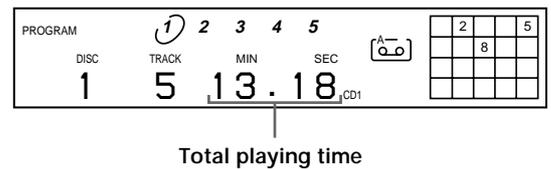
- Turn **AMS** until the track number you want appears in the display. The track number being programmed flashes and the total playing time including the track appears in the display.



- Push **AMS** to select the track.



After one second ↓

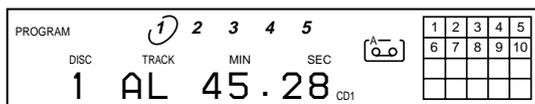


### If you've made a mistake

Press **CLEAR**, then repeat Steps 3 and 4.

## Creating a program on the player

- Press **PROGRAM**. “PROGRAM” appears in the display. If a program is already stored, the last step of the program appears in the display. When you want to erase the whole program, hold down **CLEAR** until “CLEAR” appears in the display (see page 18).
- Press **DISC 1 - 5** to select the disc.



“AL” in the display stands for “all” tracks. When you want to program the whole disc as one step, skip Steps 3 to 4, and go to Step 5.

- To program other discs or tracks, do the following:

| To program                    | Repeat Step(s) |
|-------------------------------|----------------|
| All tracks on other discs     | 2              |
| Other tracks on the same disc | 3 and 4        |
| Other tracks on other discs   | 2 through 4    |

- Press **▷** to start Program Play.

### To cancel Program Play

Press **CONTINUE**. The program you create remains in memory even if you stop the Program Play.

### 💡 You can create your program while checking the disc labels

While the disc tray is open, follow Steps 1 to 6 with pressing the **DISC SKIP** button to check the disc labels. If you close the disc tray before Step 6, the total playing time appears in the display after a while. Note that, if the programmed track number isn't found on the disc, that step is automatically erased.

**The program remains even after the Program Play ends**

When you press the  $\triangleright$  button, you can play the same program again.

**The program remains until you erase it**

If you replace discs, the programmed disc and track numbers remain. So, the player plays only the existing disc and track numbers. However, the disc and track numbers that aren't found in the player or on the disc are deleted from the program, and the rest of the program is played in the programmed order.

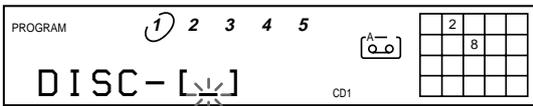
**Note**

- The total playing time doesn't appear when:
  - You have programmed a track whose number exceeds 20.
  - The total playing time of the program exceeds 200 minutes.

**Creating a program using the remote**

1 Press PROGRAM. "PROGRAM" appears in the display.

2 Press DISC.



3 Press the number button of the disc.

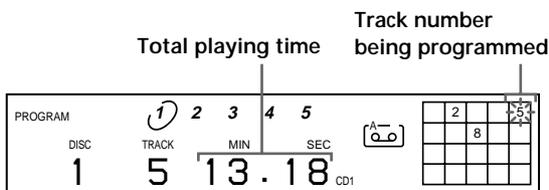


4 Press ENTER to select the disc.

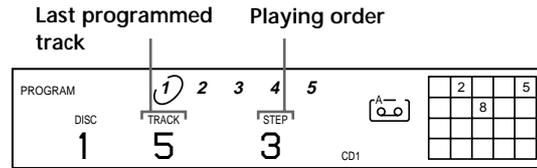


When you want to program the whole disc as one step, skip Steps 5 to 6, and go to Step 7.

5 Press  $\lll$ / $\ggg$  until the track number you want appears in the display.



6 Press ENTER to select the track.



After one second



7 To program other discs or tracks, do the following:

| To program                    | Repeat Step(s) |
|-------------------------------|----------------|
| All tracks on other discs     | 2 through 4    |
| Other tracks on the same disc | 5 and 6        |
| Other tracks on other discs   | 2 through 6    |

8 Press  $\blacktriangleright$  to start Program Play.

**To cancel Program Play**

Press CONTINUE.

**You can select a track directly using the number buttons**

Press the number button of the track in Step 5. To select a track numbered over 10, use the >10 button (see page 13).

**You can create your program while checking the disc labels**

While the disc tray is open, follow Steps 1 to 8 with pressing the DISC SKIP button to check the disc labels. If you close the disc tray before Step 8, the total playing time appears in the display after a while.

Note that, if the programmed track number isn't found on the disc, that step is automatically erased.

**Note**

- The total playing time doesn't appear when:
  - You have programmed a track whose number exceeds 20.
  - The total playing time of the program exceeds 200 minutes.

## Checking the track order

You can check your program before or after you start playing.

Press CHECK.

Each time you press this button, the display shows the track (the disc and track numbers) or the disc (the disc number and "AL" indication) of each step in the programmed order. After the last step in the program, the display shows "END" and returns to the original display. If you check the order after you start playing, the display shows only the remaining steps.

## Changing the track order

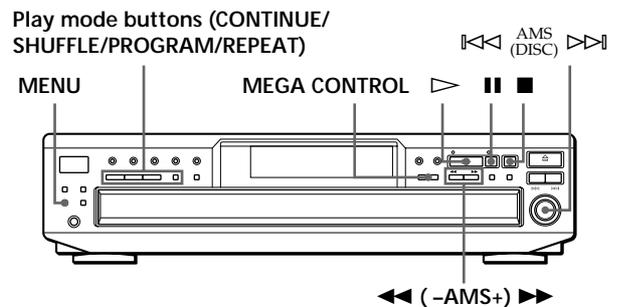
You can change your program before you start playing.

| To                                   | You need to   |
|--------------------------------------|---|
| Erase a track                        | Press CHECK until the track you don't want appears in the display, then press CLEAR.                            |
| Erase the last track in the program  | Press CLEAR. Each time you press the button, the last track will be cleared.                                    |
| Add tracks to the end of the program | Follow the programming procedure.   |
| Erase the whole program completely   | Hold down CLEAR until "CLEAR" appears in the display. Create a new program following the programming procedure. |

## Controlling Another CD Player (Advanced Mega Control)

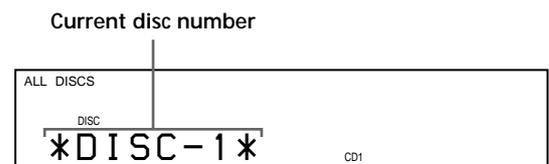
This unit can control a second CD player (see "Connecting Another CD Player" on pages 6 and 7). Even when a second CD player is connected, the controls on both of the units will function. When you press the play button on either unit, the operating player stops and the resting player starts. Note that depending on the player, you may not be able to operate all the functions of the second CD player.

The controls indicated in the illustration below are effective while the MEGA CONTROL button is lit.



## Playing discs of the second CD player

- 1 Press MEGA CONTROL. The MEGA CONTROL button lights up and the display shows the current disc number of the second player.



- 2 Select the play mode you want. To program tracks, use the controls on the second player.
- 3 Press ▷ to start playing. The play starts and the display shows the current disc and track numbers and the playing time of the track. While the MEGA CONTROL button is lit, you can control the second player with the controls on this player as follows:

| To   | You need to  |
|--|--|
| Pause  | Press <b>II</b>  |
| Stop play  | Press <b>■</b>   |
| Locate a disc while the second player is set to Continuous Play mode | Turn <b>⏮</b> <sup>AMS (DISC)</sup> <b>⏭</b> until the display shows the disc number you want, then push <b>⏮</b> <sup>AMS (DISC)</sup> <b>⏭</b> |
| Locate a track   | Press <b>⏮</b> (-AMS+) <b>⏭</b> until the display shows the track number you want  |

- To do other operations, use the controls on the second player or the supplied remote.
- The AMS buttons (**⏮**/**⏭**) and search buttons (**⏮**/**⏭**) on the remote operate the second player as indicated on the remote.

**To control the second player directly using the supplied remote**

Set CD 1/2/3 on the remote to CD 3, which is the same mode set for the second player.

**To control this player again**

Press MEGA CONTROL. The MEGA CONTROL button goes off and you can control this player.

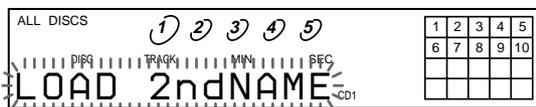
**Notes**

- You cannot locate a particular point in a track of the second player using the controls on this player.
- Some controls on this player work on the second player differently from they do to this player.

**Loading the Disc Names (Disc Memos) of the second CD player**

If the second CD player has the Disc Name (Disc Memo) function (see page 24), you can load the Disc Name (Disc Memo) of the second CD player to this player’s memory and display them on this player.

- 1 Press MENU.
- 2 Turn **⏮** <sup>AMS (DISC)</sup> **⏭** until “LOAD 2ndNAME” appears in the display.



- 3 Push **⏮** <sup>AMS (DISC)</sup> **⏭**. This player starts loading. (Loading takes about one minute.)

**Note**

If each Disc Name (Disc Memo) of the second CD player has more than 12 characters, the first 12 characters of each are loaded to this player.

**Labeling discs of the second CD player**

You can label discs of the second CD player or change the Disc Names (Disc Memos) loaded from the second CD player.

- 1 Press MEGA CONTROL. The MEGA CONTROL button lights up.
- 2 Press CONTINUE.
- 3 Turn **⏮** <sup>AMS (DISC)</sup> **⏭** to select the disc you want, then push **⏮** <sup>AMS (DISC)</sup> **⏭**.
- 4 Press MENU.
- 5 Turn **⏮** <sup>AMS (DISC)</sup> **⏭** until “DISC NAME” appears in the display, then push **⏮** <sup>AMS (DISC)</sup> **⏭**.
- 6 Input the new Disc Name (Disc Memo) following the procedure in “Labeling Discs” on pages 24 to 26.

**Note**

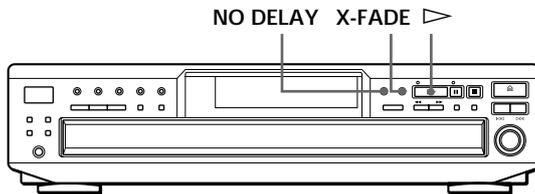
The new Disc Names (Disc Memos) are stored on this player’s memory, so you cannot display them on the second CD player.

## Playing Alternately (No-Delay Play/X-Fade Play)

When you connect the second player, you can play tracks in this player and those in the second player alternately in any play mode (see “Connecting Another CD Player” on pages 6 and 7).

Select one of the following methods:

- **No-Delay Play:** The current player changes at each track. Each time the current player changes to the other player, the other player starts play without a break in sound immediately after the current player ends play. The other player skips the lead-in portion and starts playing from where the sound actually begins.
- **X-Fade Play:** The current player changes at each track or at the specified interval. You can select the interval among 30, 60 and 90 seconds. Each time the current player changes to the other player, the sound from both players is mixed. The current player ends play by fading out, and the other player starts play by fading in.



**1** Select the play mode you want on each player.

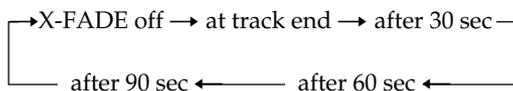
**2** **When you select No-Delay Play**

Press NO DELAY.

The NO DELAY button lights up.

**When you select X-Fade Play**

Each time you press the X-FADE button, the indication (X-Fade mode) appears as follows:



To change the current player each time a whole track is finished, select “at track end.”

To change the current player at the specified interval, press X-FADE repeatedly until the interval you want appears in the display.

**3** Press  $\blacktriangleright$  to start playing.  
The MEGA CONTROL button lights up while the track in the second player is selected.

**To check the X-Fade mode status**

Press X-FADE once.

The X-Fade mode status appears momentarily.

**To cancel No-Delay/X-Fade Play**

Press the corresponding button repeatedly until the button goes off. The current player continues playing.

**💡 You can change the method (No-Delay or X-Fade) during play**

Press the corresponding button (NO DELAY or X-FADE) following the procedure in Step 2.

**💡 You can start X-Fade whenever you like**

Press FADER during X-Fade Play.

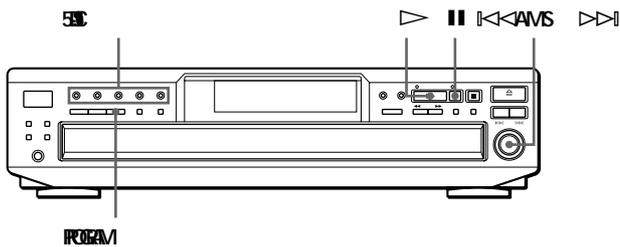
Even after you have set the X-Fade mode and started X-Fade Play, you can start X-Fade manually at the point you like. Note that you cannot do this operation while the sound from both players is mixed.

**Notes**

- The play starts from the second player if you start play while the MEGA CONTROL button is lit.
- When either player has played all its discs/tracks, both players stop, even if the other player has not finished yet.
- Do not use the controls on the second player during No-Delay/X-Fade Play. They may not work correctly.

## Recording Your Own Program

You can record the program you've created on a tape, etc. The program can contain up to 32 steps. By inserting a pause during programming, you can divide the program into two for recording on both sides of a tape.



- 1 Create your program (for side A when recording on a tape) while checking the total playing time indicated in the display. Follow Steps 1 through 5 in "Creating a program on the player" on page 16. The  $\overline{0-0}$  indication appears in the display.
- 2 When you record on both sides of the tape, press **II** to insert a pause. The "PAUSE" and  $\overline{0-0}$  indications appear in the display and the playing time is reset to "0.00." When you record on one side of the tape, skip this step and go to Step 4.  
**A pause is counted as one step**  
You can program up to 31 steps when you insert a pause.
- 3 Repeat Steps 2 through 5 in "Creating a program on the player" to create the program for side B.
- 4 Start recording on the deck and then press **▷** on the player. When you record on both sides of the tape, the player pauses at the end of the program for side A.
- 5 When you record on side B, reverse the tape and press **▷** or **II** on the player to resume playing.



### You can check and change your program

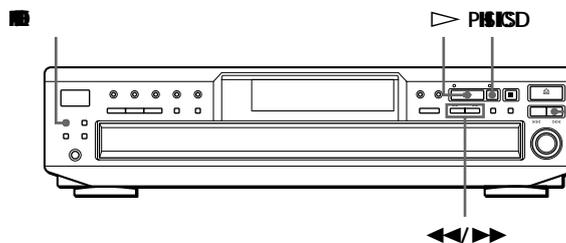
See page 18.

The  $\overline{0-0}$  indication appears while checking the program for side A and  $\overline{0-0}$  while checking the program for side B.

## Recording a CD by Specifying Tape Length (Time Edit)

The player automatically creates a program that will fit the length of the tape, keeping the original order of the disc.

The program can contain up to 32 steps (a pause inserted between steps is counted as one step). Note that tracks numbered over 20 cannot be programmed automatically.



- 1 Press DISC SKIP to select the disc.
- 2 Press EDIT/TIME FADE repeatedly before you start playing until "TIME EDIT" appears and "A" in the  $\overline{0-0}$  indication flashes in the display.
- 3 Press **◀◀** or **▶▶** to specify the tape length. Each time you press these buttons, the display changes as shown below with the tape length of one side.
 

|      |       |   |      |       |   |      |       |
|------|-------|---|------|-------|---|------|-------|
| C-46 | 23.00 | → | C-54 | 27.00 | → | C-60 | 30.00 |
| ←    |       |   |      |       |   |      |       |
| ...  |       |   |      |       |   |      |       |
| ←    |       |   |      |       |   |      |       |
|      |       | → | C-90 | 45.00 | → | C-74 | 37.00 |
- 4 Press EDIT/TIME FADE to have the player create the program. The music calendar shows the tracks to be recorded for side A. "B" in the  $\overline{0-0}$  indication flashes in the display.
- 5 When you record on both sides of the tape, press EDIT/TIME FADE again. The player inserts a pause, then creates the program for side B. The music calendar shows the programmed tracks. When you record on one side of the tape, skip this step.
- 6 Start recording on the deck and then press **▷** on the player. When you record on both sides of the tape, the player pauses at the end of the program for side A.

(Continued)

- 7 When you record on side B, reverse the tape and press **▷** or **||** on the player to resume playing.

### To cancel Time Edit

Press CONTINUE.

### 💡 You can program the tracks you want in advance

Create a program selecting the desired tracks, then follow Steps 2 to 7. Be careful that the total playing time of the program does not exceed the tape length of one side.

### 💡 You can freely specify the tape length

Set the tape length using the **◀◀ AMS ▶▶** control in Step 3.

Example: When the tape length of one side is 30 minutes and 15 seconds

- 1 To set the minutes, turn **◀◀ AMS ▶▶** until "30" appears in the display, then push **◀◀ AMS ▶▶**.
- 2 To set the seconds, turn **◀◀ AMS ▶▶** until "15" appears in the display, then push **◀◀ AMS ▶▶**.

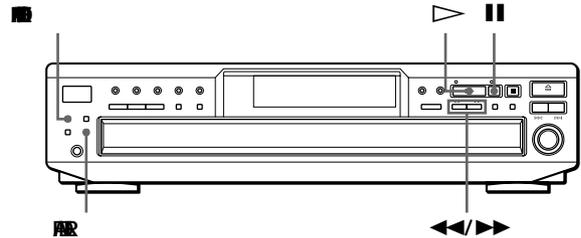
### 💡 You can check and change the program

See page 18.

## Fading In or Out

You can manually fade the sound in or out to prevent tracks from starting or ending abruptly.

Note that you cannot use this effect when you use the DIGITAL OUT (OPTICAL) connector.



| To                   | Press FADER  |
|----------------------|--|
| Start play fading in | During pause. <b>FADE</b> lights up in the display and the <b>  </b> indication flashes. The play fades in.  |
| End play fading out  | When you want to start fading out. <b>FADE</b> lights up in the display and the <b>▶</b> indication flashes. The play fades out and the player pauses. |

### Note

Fading lasts for about 5 seconds. However, when you press the FADER button during Music Scan (see page 13), the play fades out for about 2 seconds.

## Changing the fading time

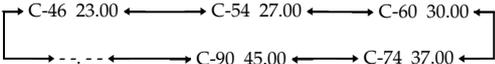
You can change the fading time from 2 to 10 seconds before fading in or out. If you don't change it, fading lasts for 5 seconds.

- 1 Press FADER before you start playing. "FADE 5 SEC" appears in the display.
- 2 Press **◀◀/▶▶** to specify the fading time.

## Fading out at the specified time (Time Fade)

You can have the player fade out automatically by specifying the playing time. Once you set the Time Fade, it works twice, that is, the play fades out at the end of both sides of a tape.

- 1 Press EDIT/TIME FADE repeatedly before you start playing until  and "A" in the  indication appear in the display.
- 2 Press ◀ or ▶ to specify the playing time. Each time you press these buttons, the display changes as shown below with the playing time of one side.
 


- 3 Press ▷ to start playing. At the specified time the play fades out and the player pauses. "B" in the  indication appears in the display.
- 4 To record on side B, reverse the tape and press ▷ or || on the player to resume playing. Again, the play fades out at the specified time.

### To cancel Time Fade

Press EDIT/TIME FADE.

 **You can freely specify the playing time**  
See "You can freely specify the tape length" on page 22.

 **You can change discs during Time Fade**  
The specified fade-out time is counted only during playing. So, you can change discs if the play ends before the specified fade-out time (for example, when you record CD-singles on a tape).

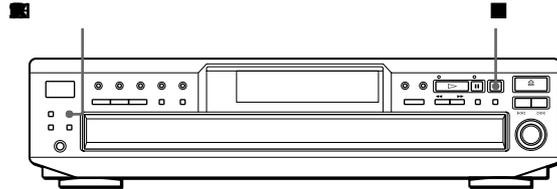
 **You can fade in to resume playing in Step 4**  
After you reverse the tape, press FADER.

### Note

If you press the ◀ or ▶ button during Time Fade Play, Time Fade will be canceled.

## Adjusting the Recording Level (Peak Search)

The player locates the highest level among the tracks to be recorded to let you adjust the recording level before you start recording.



- 1 Before you start playing, press PEAK SEARCH. "PEAK" flashes in the display and the player starts scanning the disc searching for the highest peak level. After scanning all the tracks, the player repeats the portion with the highest peak level.
- 2 Adjust the recording level on the deck.
- 3 Press  on the player to stop Peak Search. "PEAK" disappears from the display.

### Notes

- The portion with the highest level may differ every time you try the adjustment on the same disc. The difference is, however, so slight that you won't find any problem in adjusting the recording level precisely.
- Peak Search does not operate while you open the disc tray by pressing the EX-CHANGE button.

## What You Can Do With the Custom Files

The player can store two types of information called "Custom Files," up to 255 discs. Once you have stored Custom Files for a disc, the player automatically recalls what you have stored whenever you select the disc. Note that Custom Files will be erased if you do not use the player for about one month.

### You can store this information:

| When you use          | You can   |
|-----------------------|---|
| Disc Name (page 24)   | Label discs using up to 12 characters                   |
| Delete Bank (page 26) | Hide unwanted tracks and store only the tracks you want |

### Where are Custom Files stored?

Custom Files are stored not on the disc, but in the player's memory. It means you cannot use Custom Files when you play the disc on other players.

### Erasing all Custom Files of all discs

Turn off the player. While holding down CLEAR, press POWER to turn on the player. "ALL ERASE" appears in the display, and all Custom Files will be erased.

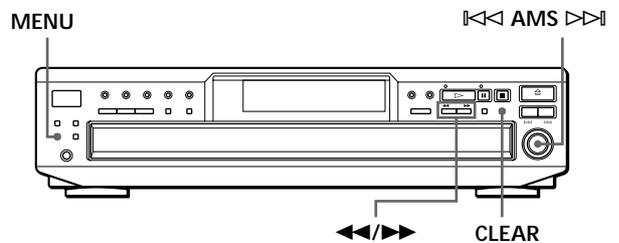
## Labeling Discs (Disc Name)

You can label discs using up to 12 characters and have the player display the Disc Name each time you select the disc. The Disc Name can be anything you like, such as a title, musician's name, category or date of purchase.

### 💡 When you select a CD TEXT disc

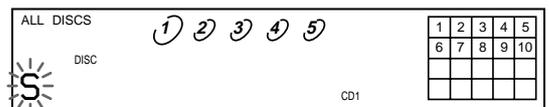
The disc title is stored as the Disc Name automatically. If the disc title has more than 12 characters, the first 12 characters of the disc title are stored (see page 11). Note that you cannot change the Disc Name of the CD TEXT disc.

### Labeling discs on the player

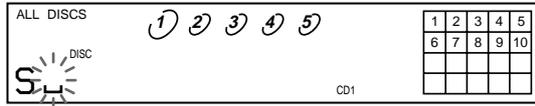


- 1 Insert or select the disc.
- 2 Press MENU.  
"DISC NAME" flashes in the display.
- 3 Push **AMS**.  
"NAME INPUT" appears, then the flashing cursor (␣) appears.
- 4 Turn **AMS** until the character you want appears in the display.  
The cursor disappears and the first space for the Disc Name flashes.  
As you turn **AMS** clockwise, the characters appear in the following order. Turn **AMS** counterclockwise to go back to the previous character.

(space) 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 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 0 1 2 3 4 5 6 7 8 9 ! " # \$ % & ' ( ) \* + , - . / : ; <  
 = > ? @ [ \ ] ^ \_ { | } -



- Push **◀◀ AMS ▶▶** to select the character. The selected character lights up, and the flashing cursor appears to indicate the next space to be input.



### To insert a space

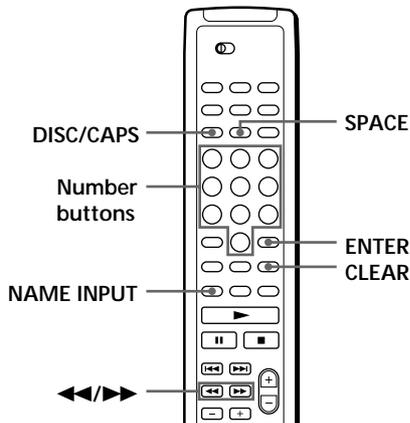
Press **▶▶**.

### If you have made a mistake

Press **◀◀/▶▶** to flash the incorrect character, then input the correct character.

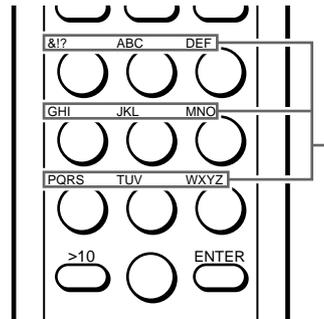
- Repeat Steps 4 and 5 to input more characters.
- Press **MENU** to store the Disc Name. Repeat Steps 1 to 7 to assign Disc Names to other discs.

## Labeling discs using the remote



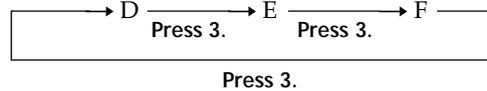
- Press **DISC** in Continuous Play Mode.
- Press the number button of the disc you want to assign a Disc Name, and then **ENTER**.
- Press **NAME INPUT**. The flashing cursor (▬) appears.
- Press **CAPS** to find the letter type you want. Each time you press the button, the letter type changes cyclically among capital letters (ABC), small letters (abc) and numbers (123). To select a symbol, you have to select the capital or small letter type.

- To input a letter, press the number button corresponding to the letter you want (indicated beside each number button). Each time you press the button, the letter changes cyclically among the ones indicated beside the button. To input symbols, press the number button 1 repeatedly until the symbol you want appears in the display.



Characters assigned to each number button

Example: To select the letter E  
Press the number button 3 twice.



To insert a space, press **SPACE** once.  
To input a number, press the number button you want.

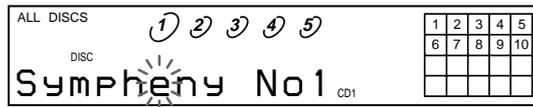
- Press **▶▶** to select the character. The selected character lights up, and the flashing cursor appears to indicate the next space to be input. You can also go to the next space by pressing other number buttons.
- Repeat Steps 4 through 6 to input more characters.
- Press **NAME INPUT** to store the Disc Name. Repeat Steps 1 through 8 to assign Disc Names to other discs.

## Storing Information About CDs (Custom Files)

**💡** If you have made a mistake while inputting the character

**To correct the character which has been input**

1 Press ◀ or ▶ until the incorrect character flashes.



2 Press ◀◀ or ▶▶ until the desired character appears.



**To correct the character currently being input**

1 Press CLEAR to delete the incorrect character.

2 Input the correct character.

**To insert a character between the input characters**

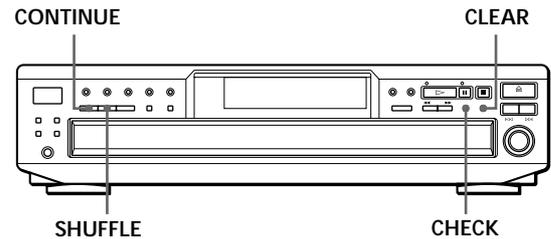
Press ◀ or ▶ until the cursor moves to the former of the two characters, then press ENTER and input the correct character.

### Erasing the Disc Name

- 1 Follow Steps 1 and 3 in "Labeling discs on the player" on page 24 to select the Disc Name you want to erase.
- 2 Press CLEAR repeatedly until all the characters disappear.
- 3 Press MENU.

## Storing Specific Tracks (Delete Bank)

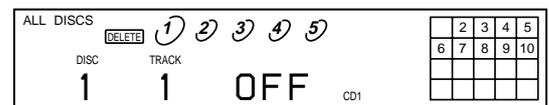
You can hide unwanted tracks and store only the tracks you want. When you select the disc containing a Delete Bank, you can play only the remaining tracks.



- 1 Insert or select the disc.
- 2 Press CONTINUE or SHUFFLE before you start playing.
- 3 Press CHECK repeatedly until the track you want to delete flashes in the display.



- 4 Press CLEAR. "DELETE" and "OFF" flash in the display.



If you want to recover the track, press CLEAR again.

- 5 Repeat Steps 3 and 4 to delete more tracks.

**💡** You can recover all the tracks you have deleted  
Hold down CLEAR until "ALL SELECT" appears in the display.

### Note

The deleted tracks are skipped even in the Shuffle or Program Play mode (when the whole disc containing a Delete Bank is programmed as one step).

### Precautions

#### On safety

- Caution — The use of optical instruments with this product will increase eye hazard.
- Should any solid object or liquid fall into the cabinet, unplug the player and have it checked by qualified personnel before operating it any further.

#### On power sources

- Before operating the player, check that the operating voltage of the player is identical with your local power supply. The operating voltage is indicated on the nameplate at the rear of the player.
- The player is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the player itself has been turned off.
- If you are not going to use the player for a long time, be sure to disconnect the player from the wall outlet. To disconnect the AC power cord (mains lead), grasp the plug itself; never pull the cord.
- AC power cord must be changed only at the qualified service shop.

#### On placement

- Place the player in a location with adequate ventilation to prevent heat build-up in the player.
- Do not place the player on a soft surface such as a rug that might block the ventilation holes on the bottom.
- Do not place the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.

#### On operation

- 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 lenses inside the player. Should this occur, the player may not operate properly. In this case, remove the disc and leave the player turned on for about an hour until the moisture evaporates.

#### 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.

#### On cleaning

- Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

If you have any questions or problems concerning your player, please consult your nearest Sony dealer.

### Notes on CDs

#### On handling CDs

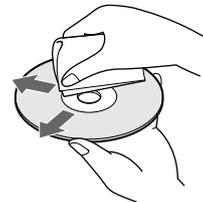
- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.



- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight as there can be considerable rise in temperature inside the car.
- Do not use any commercially available stabilizer. If you do, the disc and the player may be damaged.
- After playing, store the disc in its case.

#### On cleaning

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.



- Do not use solvents such as benzene, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

## Troubleshooting

If you experience any of the following difficulties while using the player, use this troubleshooting guide to help you remedy the problem. Should any problem persist, consult your nearest Sony dealer.

### There's no sound.

- ➔ Check that the player is connected securely.
- ➔ Make sure you operate the amplifier correctly.
- ➔ Adjust the output level using the ANALOG OUT LEVEL +/- buttons on the remote.

### The CD does not play.

- ➔ There's no CD inside the player ("–NO DISC–" appears). Insert a CD.
- ➔ Place the CD with the label side up on the disc tray correctly.
- ➔ Clean the CD (see page 27).
- ➔ Moisture has condensed inside the player. Remove the disc and leave the player turned on for about an hour (see page 27).
- ➔ Place the CD in the correct position on the disc tray.

### The remote does not function.

- ➔ Remove the obstacles in the path of the remote and the player.
- ➔ Point the remote at the remote sensor  on the player.
- ➔ Replace all the batteries in the remote with new ones if they are weak.
- ➔ Set the CD 1/2/3 switch on the remote according to the command mode of the player.

### The player functions incorrectly.

- ➔ The microcomputer chips may be operating incorrectly. Turn the power off, then turn it back on to reset the player.

## Specifications

### Compact disc player

|                            |  |
|----------------------------|--|
| <b>Laser</b>               | Semiconductor laser ( $\lambda = 780 \text{ nm}$ )<br>Emission duration: continuous  |
| <b>Laser output</b>        | Max 44.6 $\mu\text{W}^*$<br>* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up block with 7 mm aperture. |
| <b>Frequency response</b>  | 2 Hz to 20 kHz $\pm 0.5 \text{ dB}$  |
| <b>Dynamic range</b>       | More than 93 dB  |
| <b>Harmonic distortion</b> | Less than 0.0045%  |

### Output

|                              | Jack type                | Maximum output level | Load impedance      |
|------------------------------|--------------------------|----------------------|---------------------|
| <b>ANALOG OUT</b>            | Phono jacks              | 2 V (at 50 kilohms)  | Over 10 kilohms     |
| <b>DIGITAL OUT (OPTICAL)</b> | Optical output connector | -18 dBm              | Wave length: 660 nm |
| <b>PHONES</b>                | Stereo phone jack        | 10 mW                | 32 ohms             |

### General

#### Power requirements

| Where purchased | Power requirements |
|-----------------|--------------------|
| USA             | 120 V AC, 60 Hz    |
| Australia       | 240 V AC, 50/60 Hz |

|                                     |   |
|-------------------------------------|---|
| <b>Power consumption</b>            | 11 W  |
| <b>Dimensions (approx.) (w/h/d)</b> | 430 × 110 × 398 mm (17 × 4 3/8 × 15 3/4 in.) incl. projecting parts |
| <b>Mass (approx.)</b>               | 5.1 kg (11 lbs 4 oz.)   |

#### Supplied accessories

See page 4.

Design and specifications are subject to change without notice.

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