

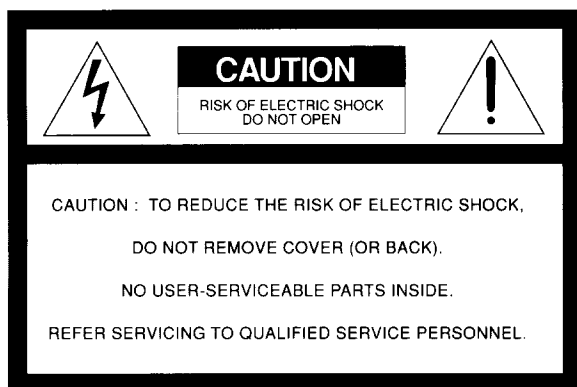
CD Player Controller

Operating Instructions

CTRL-300

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.



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. CTRL-300

Serial No. _____

This equipment is intended for home entertainment purposes only. The warranty shall be invalidated if used in commercial environments, such as by disc jockeys, etc., even within the Warranty Period.

Welcome!

Thank you for purchasing the Sony CD Player Controller. 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 CTRL-300.

Conventions

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



Indicates that you can do the task using the remote.



Indicates tips for making the task easier and hints.

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
Getting Started

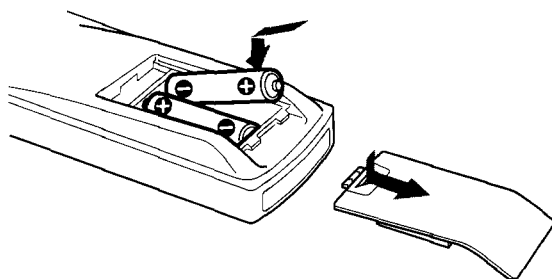
Step 1: Unpacking

Check that you received the following items:

- Audio cord (1)
- Remote commander (remote) (1)
- Sony SUM-3 (NS) batteries (2)
- System cords (3)

Inserting batteries into the remote

You can control the controller using the supplied remote. Insert two size AA (R6) batteries by matching the + and - on the batteries. When using the remote, point it at the remote sensor  on the controller.



When to replace batteries

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

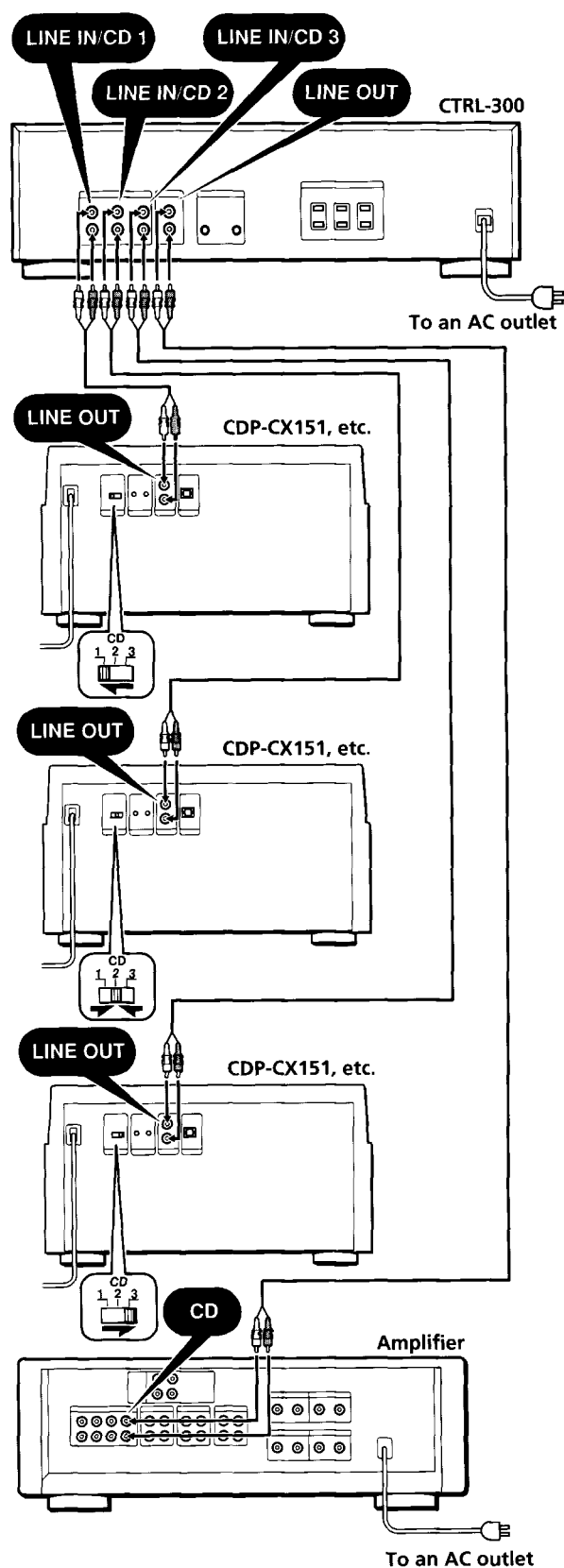
Notes

- 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 do not use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Step 2: Audio Cord Hookups

Overview

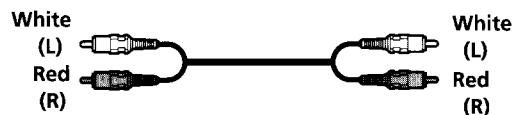
This section describes how to hook up CD players to the controller, and then the controller to an amplifier by using audio cords. Be sure to turn off the power of each component before making the connection.



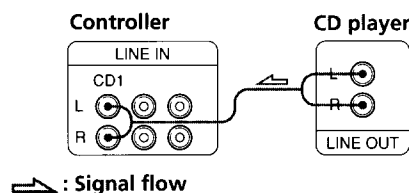
What cords will I need?

Audio cord (supplied) (1) — use it to connect the controller to the amplifier.

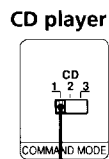
(An audio cord is also supplied with each player — use it to connect the player to the controller.)

**Hookups**

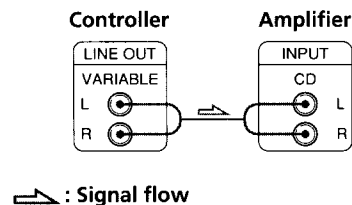
When connecting the audio cord, be sure to match the color-coded cord to the appropriate jacks on the components: Red (right) to Red and White (left) to White. Be sure to make connections firmly to avoid hum and noise.

■ Connecting the controller and the CD players**To set the COMMAND MODE selector on the rear of the CD player**

Before making the CONTROL A connection, set the COMMAND MODE selectors on the players to the appropriate position.



For the player connected to the LINE IN/CD1 jacks (hereafter, called CD1), set it to the CD1 position.
For the player connected to the LINE IN/CD2 jacks (hereafter, called CD2), set it to the CD2 position.
For the player connected to the LINE IN/CD3 jacks (hereafter, called CD3), set it to the CD3 position.

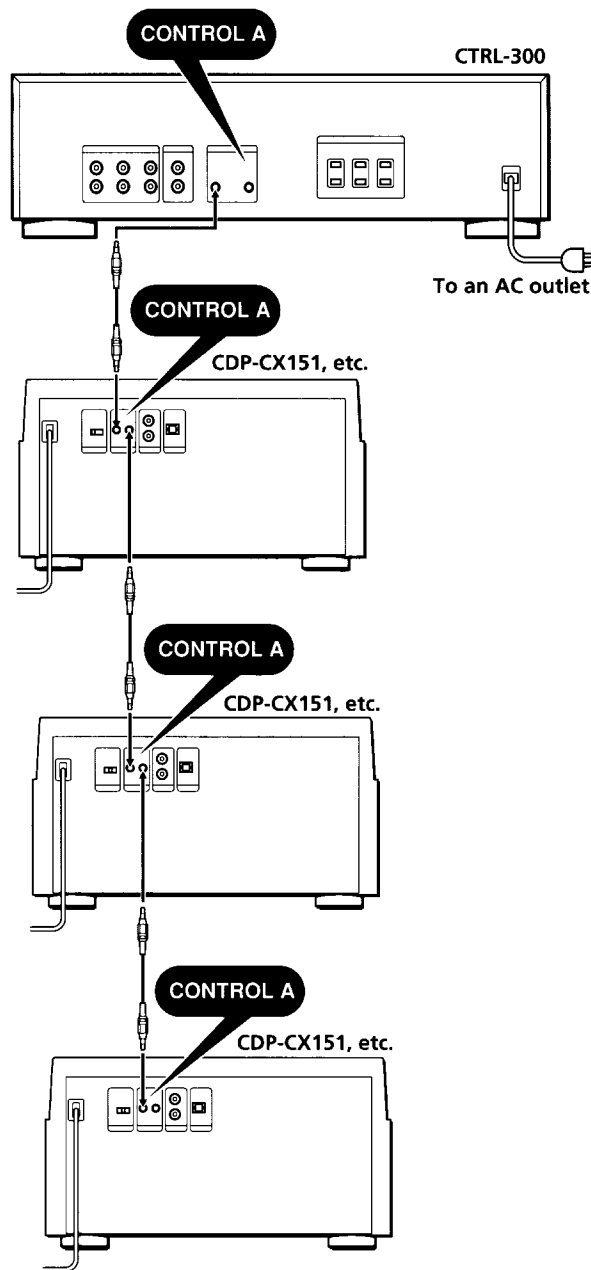
■ Connecting the controller and the amplifier**💡 You can adjust the output level**

Before playing a disc, the controller automatically sets the LINE OUT control to the level stored for the disc (see page 18).

If you want to adjust the output level manually, turn the LINE OUT control clockwise to increase the output level, or turn it counterclockwise to decrease the output level. When using the remote, press LINE OUT LEVEL +/-.

Step 3: System Cord Hookups**Overview**

This section describes how to hook up players to the controller by using the system cords (supplied). After connecting the system cords, you cannot use the controls on the players.

**What cords will I need?**

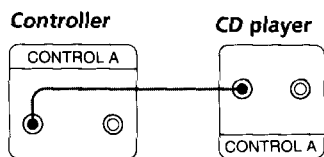
System cords (supplied) (3)



(Continued)

Hookups

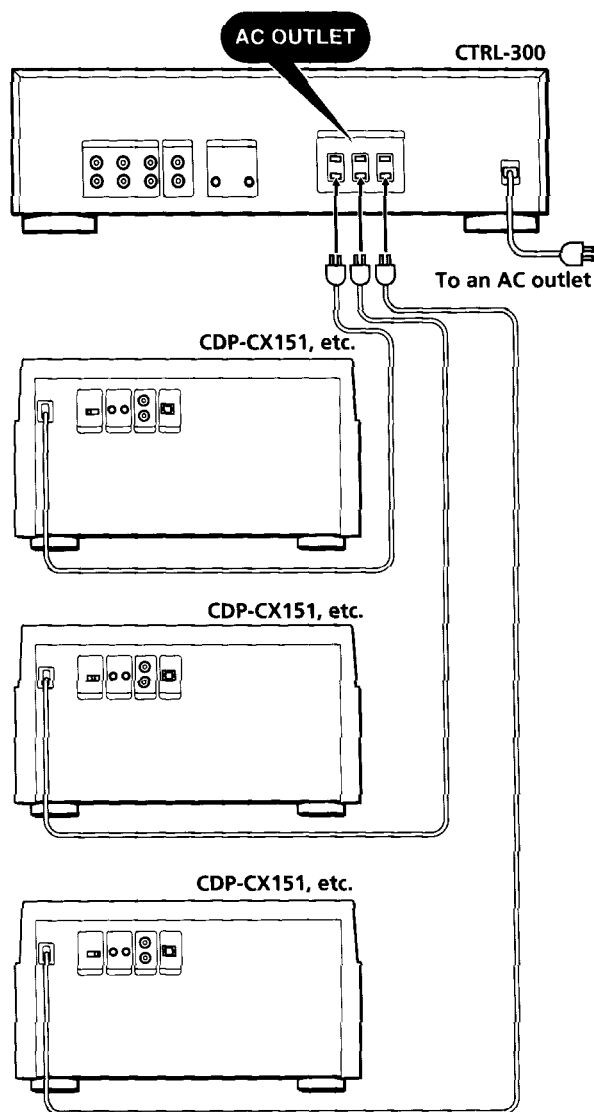
When connecting the system cords, you can use either connector on the rear of the controller. Be sure not to make a loop connection using the system cords.



Step 4: AC Power Cord Hookups

Overview

This section describes how to plug the players and controller into the AC outlets.



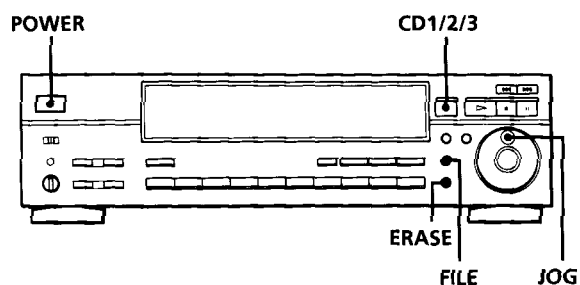
Hookups

Connect the AC power cords of the players to the AC outlets on the rear of the controller, and then connect the AC power cords of the controller to a wall outlet.

After plugging the AC cords, press **POWER** on the players and keep it depressed. By doing so, the players turn on and off as you turn the controller on and off.

Loading Custom Files

You can load the Custom Files (see page 16) from the players' memories to the controller's memory if the players storing the Custom Files are connected. So, you won't waste the Custom Files already stored in the players.



Press **POWER** to turn on the controller while pressing **CD1/2/3** and **FILE** at the same time. "FILE LOADING" appears and flashes in the display. When loading is over, "LOADING FIN." appears (it may take a few minutes).

Notes

- You can load only the Group File (see page 19) stored in the CD1 player.
- If the Group File is already loaded or registered in the controller's memory, you cannot load the Group File from the CD1 player.
If this is the case, erase all Custom Files from the controller's memory first (**ALL ERASE**; see page 16), and then do the procedure above.
- You can load only the first 12 characters of each Disc Memo even if your CD player can have more than 12 characters registered in each Disc Memo.

Loading a new Custom File after changing it on the player

If a Custom File for a particular disc is already stored in the controller's memory, you cannot load a new Custom File for the disc from the player using the procedure on the previous page.

To write a new Custom File, follow the procedures below.

- 1** Press POWER to turn on the controller.
- 2** Turn the JOG dial to select the disc containing the Custom File you want to erase.
To use the JOG dial on the remote
Be sure that the JOG ON/OFF indicator lights red. If not, press JOG ON/OFF once before using the JOG dial.
- 3** Hold down ERASE until "1 DISC ERASE" appears in the display.
- 4** Press UNLOAD on the player.
"REMOTE OFF" appears in the controller's display, and you become able to operate the player using the controls of the player itself.
- 5** Erase the same Custom File for the disc also on the player, and then write a new Custom File on the player, referring to the instructions for the player.
- 6** Press POWER on the controller to turn off the controller.
- 7** Press POWER again while pressing CD1/2/3 and FILE at the same time.

Notes

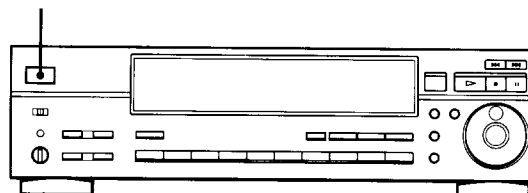
- If the Group File is already loaded or registered in the controller's memory, you cannot overwrite the Group File.
- The Custom Files you can use in step 5 vary depending on the CD players you have. Furthermore, some CD player cannot have the Custom Files.

Inserting Discs in the Players Connected

After connecting the players to the controller, you cannot operate the players using the controls on the players.

To insert or change discs using the controls on the player, follow the procedures below.

POWER



- 1** Press POWER to turn on the controller.
- 2** Press UNLOAD on the player.
"REMOTE OFF" appears in the controller's display, and you become able to operate the player using the controls of the player itself.
- 3** Insert or change a disc in the player, referring to the instructions for the player.
- 4** Press POWER twice to turn off and then turn on the controller again.

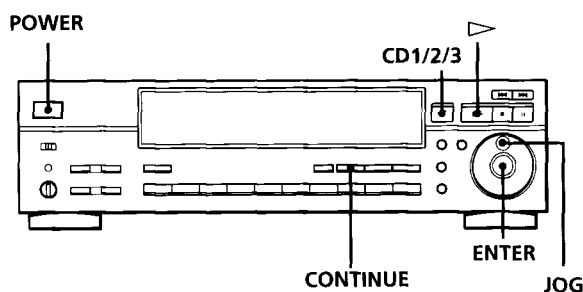
Note

- Even if "REMOTE OFF" is shown in the display of the controller, you cannot play the CD player by using the controls either on the player or on the remote supplied for the player.

Playing CDs

You can play all the tracks on a disc in the original order (Continuous Play). You can also play up to 300 discs consecutively if you have connected three players to the controller.

Before you begin, make sure you have connected the players to the controller and the controller to an amplifier correctly and firmly as indicated on pages 4 to 6.



- 1 Turn on the amplifier and select the CD player position.
- 2 Press POWER to turn on the controller. The players connected also turn on, and "REMOTE ON" appears in their displays.

When the players do not turn on

Press POWER on the players.

- 3 Press CONTINUE to select CHAIN, ONE PLAYER or ONE DISC Continuous Play mode. Each time you press CONTINUE, "CHAIN," "ONE PLAYER" or "ONE DISC" appears in the display.

When you select	The controller plays
CHAIN	All discs in all players consecutively in the following order: DISC1 in CD1 → DISC1 in CD2 → DISC1 in CD3 → DISC2 in CD1 → DISC2 in CD2 → DISC2 in CD3 → DISC3 in CD1 → ... Empty disc slits are skipped.
ONE PLAYER	All discs in the current player consecutively in the order of disc number. Empty disc slits are skipped.
ONE DISC	Only one disc you have selected in the current player.

- 4 When you want to specify the player (the first playing player for the CHAIN Continuous Play), press CD1/2/3 repeatedly until the player number you want appears in the display.

- 5 When you want to specify the first playing disc, turn the JOG dial until the disc number you want appears in the display.

To use the JOG dial on the remote

Be sure that the JOG ON/OFF indicator lights red. If not, press JOG ON/OFF once before using the JOG dial.

- 6 Press ENTER or ▷ to start play. Adjust the volume on the amplifier.

If you select the first playing disc for the CHAIN Continuous Play at step 5

After the selected disc is played, the other discs will be played in numerical order of player number and disc number.

Example:

DISC4 in CD2 (specified as the first playing disc) →
DISC1 in CD3 → DISC1 in CD1 → DISC5 in CD2 →
DISC2 in CD3 → DISC2 in CD1 → DISC6 in CD2 →
DISC3 in CD3 → ...

To stop playback

Press ■.

When you want to	Press
Pause	⏸
Resume play after pause	⏸ or ▷
Go to the next disc ⏮	DISC SKIP + once. Hold down the button to skip discs.
Go back to the preceding disc ⏭	DISC SKIP - once. Hold down the button to skip discs.
Go to the next track	⏮
Go back to the preceding track	⏭

💡 When the controller plays in the CHAIN Continuous Play mode

The next playing player sets the next playing disc to its playing position while the current disc is playing on the current player. So, the next disc starts playing as soon as the current disc play is finished.

💡 When you turn off the controller

The controller remembers the last playing player and disc as well as the play mode (Continuous, Shuffle (see page 12) or Program (see page 13)). When you turn on the controller again, therefore, the same player plays the same disc in the same play mode.

Note

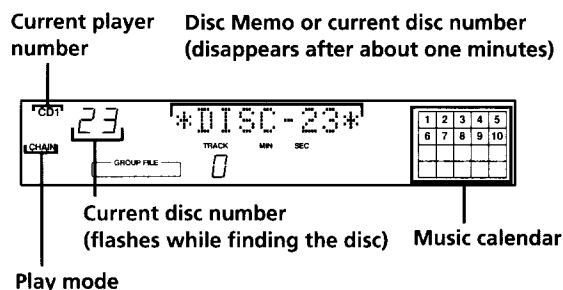
You cannot operate the players connected to the controller using the controls on the players. (When the players are to be controlled by the controller, "REMOTE" lights up in each player's display.)

Using the Display

You can check information about the disc using the display on the controller.

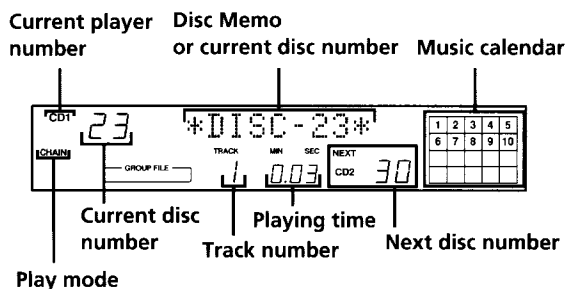
Display information before playing

Before you start playing, the display shows the following:



Display information while playing

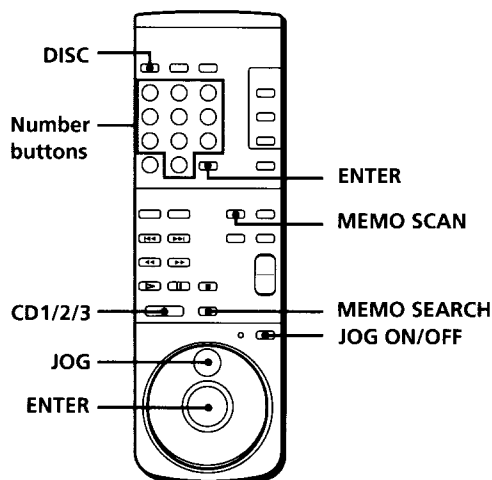
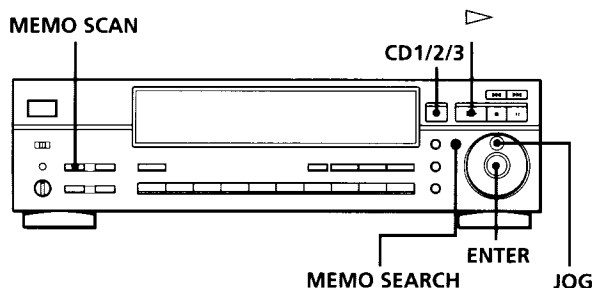
While playing a disc, the display shows the following:



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

Locating a Specific Disc

You can specify a disc to start play with in Continuous Play mode.



Selecting a disc with the controller

- 1 Press CD1/2/3 repeatedly until the player number you want (CD1, 2 or 3) lights up in the display.
- 2 Turn the JOG dial until the disc number you want appears in the display.

To use the JOG dial on the remote

Be sure that the JOG ON/OFF indicator lights red. If not, press JOG ON/OFF once before using the JOG dial.

- 3 Press ENTER or ► to start play.

Selecting a disc directly with the remote

- 1 Press DISC on the remote.
By pressing DISC repeatedly, you can also changes the player number.

- 2 Press the number button of the disc.

To select a disc with a number over 10

Press the 10's digit first, then the 1's digit. To enter 0, use the button 10/0.

Example:

To enter number 30, press 3, then 0 (10/0).

To enter number 100, press 0 (10/0) twice.


- 3 Press ENTER to start play.

Locating a disc by scanning each Disc Memo (Memo Scan)

You can locate a disc you want to play quickly by scanning the Disc Memos (see page 16) in the display and start playing.

Note that you cannot use this function in the CHAIN Shuffle and ONE PLAYER Shuffle, and Program Play modes.

- 1 Press MEMO SCAN until "MEMO SCAN" appears in the display.
The Disc Memos scroll in the display.
- 2 Press ENTER or ▷ when the Disc Memo of the disc you want to play appears.
The disc is set to the playing position, and the controller starts playing.

 You can jump to the next or preceding Disc Memo while scanning
Press ◀◀ or ▶▶.

Note

If "NO ENTRY" appears in the display, no disc has been labeled using the Disc Memo function (see page 16). Try the Memo Scan function again after labeling the discs.

Locating a disc by searching a specific Disc Memo (Memo Search)

You can search and locate a disc you want by inputting 1 to 3 characters used in the Disc Memo of the disc.

- 1 Press MEMO SEARCH so that the indicator next to it lights red.
The character entry display "SEARCH_" appears.
- 2 Turn the JOG dial to input the first character.
When you turn the JOG dial clockwise, the characters appear in the following order. Turn the JOG dial 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 & ä ö ü ; () [] % \$ # 0 1 2 3 4 5 6 7 8 9
10 → ← * / ! ? ' " , . -

Notes

- When searching input characters, blanks before the first character in the Disc Memo are ignored.
- When searching input characters, upper and lower case cannot be differentiated.

To use the JOG dial on the remote

Be sure that the JOG ON/OFF indicator lights red. If not, press JOG ON/OFF once. (When you press MEMO SEARCH on the remote, the JOG ON/OFF indicator automatically lights red.)

To input the second (and third) character


Press ▷▶ to move the character entry position to the right and turn the JOG dial.

If you press ◀◀, the character entry position moves to the left.

- 3 Press ENTER to start searching.
If Disc Memos starting with the input character(s) are found, "FOUND" and the number of the Disc Memos found appear in the display. Then, turn the JOG dial to find the disc you want.
If "NOT FOUND" appears in the display, no disc has been labeled using the input character(s). The character entry display appears again.

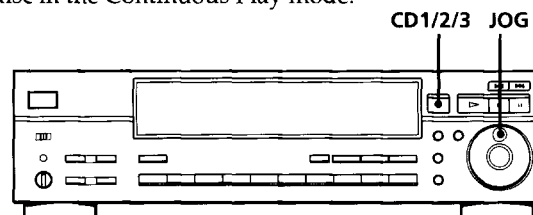
To cancel Memo Search

Press MEMO SEARCH again so that the indicator turns off. If you press other button, Memo Search is also canceled.

 You can go back to the character entry display before canceling Memo Search
Press ◀◀ or ▶▶.

Specifying the Next Disc to Play

You can specify the next disc to play while playing a disc in the Continuous Play mode.



- 1 While playing a disc, press CD1/2/3 repeatedly until the player number you want (CD1, 2 or 3) lights up at the right side of the display.
"NEXT" starts flashing. The Disc Memo shown in the display changes from that of the playing disc to that of the next disc.
- 2 Turn the JOG dial to specify the next disc by referring to the Disc Memos changing in the display.

To use the JOG dial on the remote

Be sure that the JOG ON/OFF indicator lights red. If not, press JOG ON/OFF once before using the JOG dial.


After the current disc is played, the next disc you have specified starts playing.

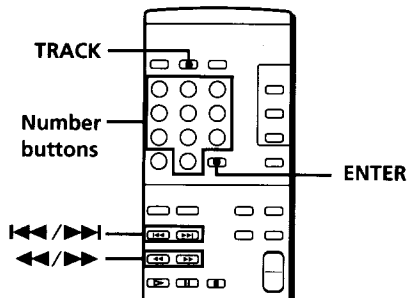
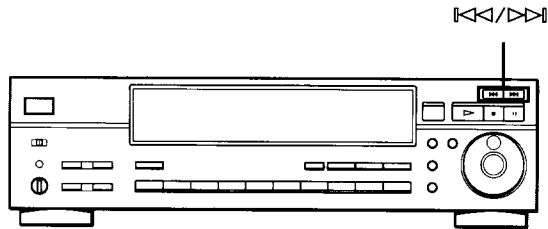
If you want to skip to the next disc right away, press ENTER while playing the current disc.









To cancel the disc you have specified

Press CONTINUE three times.

Locating a Specific Track or a Point in a Track

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



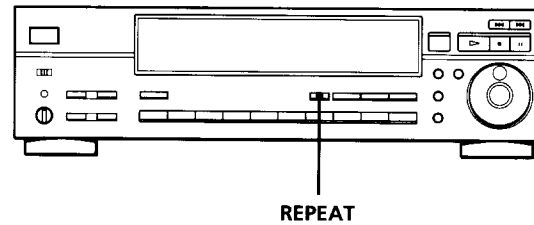
To locate	Press
The next or succeeding tracks	 repeatedly until you find the track.
The current or preceding tracks	 repeatedly until you find the track.
A specific track directly 	<ol style="list-style-type: none"> 1 Press TRACK. 2 Press the number button of the track. 3 Press ENTER.
A point in a track while monitoring the sound 	 (forward) or  (backward) and hold down until you find the point.
A point in a track quickly by observing the display during pause 	 and hold down until you find the point. You will not hear the sound during the operation.

When you directly locate a track with a number over 10

Press the 10's digit first, then the 1's digit. To enter 0, use the button 10/0.

Playing Repeatedly (Repeat Play)

You can play discs/tracks repeatedly in any play mode. Play stops after repeating the tracks five times in each play mode.



Press REPEAT while playing a disc. "REPEAT" appears in the display. The controller repeats the discs/tracks as follows:

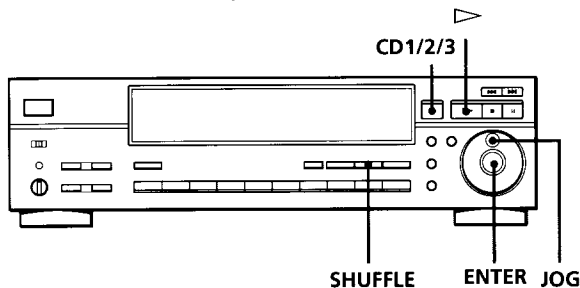
When the disc is played in	The controller repeats
CHAIN Continuous Play (page 8)	All tracks on all discs in all players.
ONE PLAYER Continuous Play (page 8)	All tracks on all discs in the current player.
ONE DISC Continuous Play (page 8)	All tracks on the current disc in the current player.
CHAIN Shuffle Play (page 12)	All tracks on all discs in all players at random.
ONE PLAYER Shuffle Play (page 12)	All tracks on all discs in current player at random.
ONE DISC Shuffle Play (page 12)	All tracks on the current disc in the current player at random.
Program Play (page 13)	The same program.

To cancel Repeat Play

Press REPEAT again. "REPEAT OFF" appears for a while, and "REPEAT" disappears from the display.

Playing in a Random Order (Shuffle Play)

You can have the controller “shuffle” the tracks and play in a random order. The controller shuffles all the tracks on all discs in all players (CHAIN Shuffle Play), all the tracks on all discs in a particular player (ONE PLAYER Shuffle Play), or on the disc you specified (ONE DISC Shuffle Play).



- 1 Press SHUFFLE to select CHAIN, ONE PLAYER, or ONE DISC Shuffle Play mode. Each time you press SHUFFLE, “CHAIN,” “ONE PLAYER” or “ONE DISC” appears in the display.

When you select	The controller plays
CHAIN	All tracks on all discs in all players selected at random. However, the controller changes the players in the numerical order each time a track is played — that is to say, if the first track is selected from the CD2, the next track is selected from the CD3. Empty disc slits are skipped.
ONE PLAYER	All tracks on all discs in the current player at random. Empty disc slits are skipped.
ONE DISC	All tracks on a specified disc at random.

- 2 When you want to specify the player (the first playing player for the CHAIN Shuffle Play), press CD1/2/3 repeatedly until the player number you want appears in the display.

- 3 When you want to specify the disc for ONE DISC Shuffle Play, turn the JOG dial until the disc number you want appears in the display.

To use the JOG dial on the remote

Be sure that the JOG ON/OFF indicator lights red. If not, press JOG ON/OFF once before using the JOG dial.

- 4 Press ENTER or . Shuffle Play starts. “ ” appears in the display while the controller “shuffling” the discs or 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 directly select a disc for ONE DISC Shuffle Play**
See “Selecting a disc directly with the remote” on page 9.

- You can change the playing disc during ONE DISC Shuffle Play**
To move to the preceding disc, press DISC SKIP –.
To move to the next disc, press DISC SKIP +.

- You can specify the next disc to play during ONE DISC Shuffle Play**
 - 1 Press CD1/2/3 repeatedly until the player number you want (CD1, 2 or 3) lights up at the right side of the display.
“NEXT” starts flashing. The Disc Memo shown in the display changes from that of the playing disc to that of the next disc.
 - 2 Turn the JOG dial to specify the next disc by referring to the Disc Memos changing in the display.
When using the JOG dial on the remote, be sure that the JOG ON/OFF indicator lights red. If not, press JOG ON/OFF once before using the JOG dial.
After all the tracks on the current disc are played at random, the next disc starts playing.
If you want to skip to the next disc right away, press ENTER while playing the current disc.

- You can specify the next player to play during CHAIN and ONE PLAYER Shuffle Play**
Press CD1/2/3 repeatedly until the player number you want (CD1, 2 or 3) lights up at the right side of the display. The next track to play will be selected from the specified player.

- When the controller plays in the CHAIN Shuffle Play mode**
The next playing player sets the next playing disc to its playing position while the current track is playing on the current player. So, the next track starts playing as soon as the current track play is finished.

Note

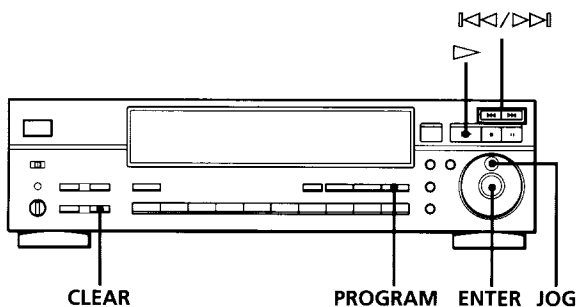
Even if you press or turn off the controller during CHAIN or ONE PLAYER Shuffle Play, the controller remembers which discs/tracks are played and which are not. Therefore, if you want to start CHAIN or ONE PLAYER Shuffle Play again from the beginning, be sure to repeat the procedure from Step 1.

Creating Your Own Programs (Program Play)

You can arrange the order of the tracks and/or discs and create 3 different programs and programs are stored automatically. A program can contain up to 32 "steps" — one "step" may contain a track or a whole disc.

You can make programs using either the JOG dial or the number buttons. However, the programming procedures are different.

Creating a program using the JOG dial



- 1 Press PROGRAM until the program number you want (PROGRAM 1, 2 or 3) appears in the display. If a program is already stored in the selected program number, the last step of the program appears in the display. When you want to erase the whole program, hold down CLEAR until "ALL CLEAR" appears in the display (see page 15).

- 2 Press CD1/2/3 repeatedly to select the player.

- 3 Turn the JOG dial to select the disc.

To use the JOG dial on the remote

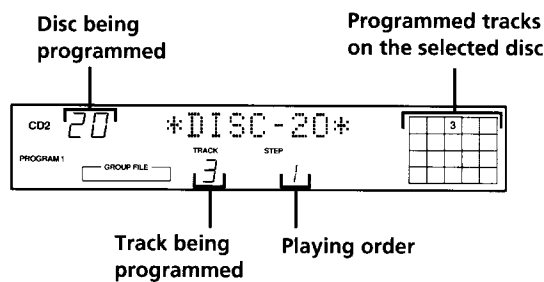
Be sure that the JOG ON/OFF indicator lights red. If not, press JOG ON/OFF once before using the JOG dial.



- 4 To program a whole disc, skip this step. Press to select a track



- 5 Press ENTER or PROGRAM.



- 6 To program other discs/tracks, do the following:

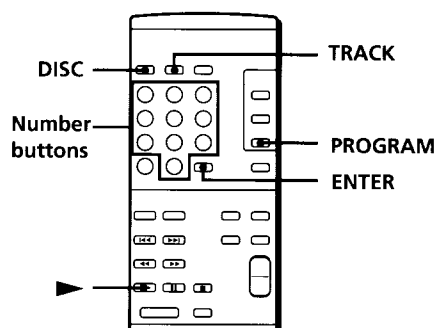
To program	Repeat Steps
Other discs in the same player	3 and 5.
Other discs in other players	2, 3 and 5.
Other tracks on the same disc	4 to 5.
Other tracks on other discs in the same player	3 to 5.
Other tracks on other discs in other players	2 to 5.

- 7 Press to start Program Play.

To cancel Program Play

Press CONTINUE.

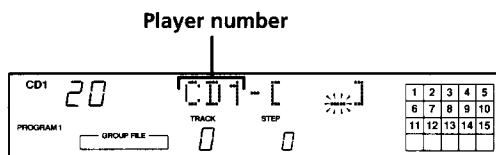
Creating a program using the number buttons



- 1 Press PROGRAM until the program number you want (PROGRAM 1, 2 or 3) appears in the display. If a program is already stored in the selected program number, the last step of the program appears in the display. When you want to erase the whole program, hold down CLEAR until "ALL CLEAR" appears in the display (see page 15).

(Continued)

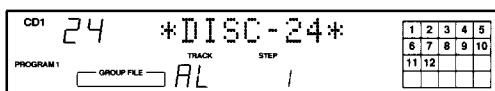
- 2** Press DISC repeatedly.
Each time you press DISC, the player number appearing in the display changes.



- 3** Press the number button of the disc.
To select a disc with a number over 10
Press the 10's digit first, then the 1's digit. To enter 0, use the button 10/0 (see page 9).



- 4** Press ENTER.



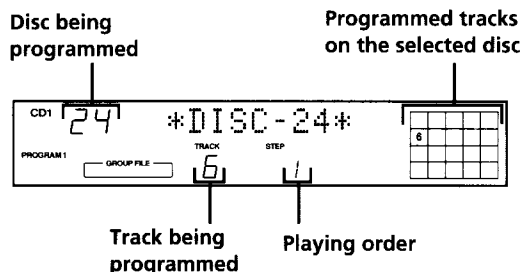
- 5** To program a whole disc, skip this step and go to Step 8. Press TRACK.



- 6** Press the number button of the track.
To select a track with a number over 10
Press the 10's digit first, then the 1's digit. To enter 0, use the button 10/0 (see page 9).



- 7** Press ENTER.



- 8** To program other discs/tracks, do the following:

To program	Repeat Steps
Other discs in the same player	2 to 4.
Other discs in other players	2 to 4.
Other tracks on the same disc	5 to 7.
Other tracks on other discs in the same player	2 to 7.
Other tracks on other discs in other players	2 to 7.

- 9** Press ► to start Program Play.

To cancel Program Play

Press CONTINUE.



The programs remain even after Program Play ends

When you press ►, you can play the same program again.

The programs are stored in the controller's memory for about a month with the power turned off.



When you press PROGRAM during Continuous or Shuffle Play

The last program you played appears and will be played after the current track.



The programs remain until you erase them

Even if you replace discs from the players, the programmed disc and track numbers remain in the controller's memory. So, the controller plays only the existing disc and track numbers. However, the disc and track numbers that are not 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

If "PROGRAM FULL" appears in the display, it means that you have already programmed 32 steps and cannot program any more steps.

Checking the programmed order

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

Press CHECK.

Each time you press this button, the display shows the player, disc and track number or disc number of each step in the programmed order. (When a whole disc is programmed as one step, "AL" appears instead of the track number.)

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 programmed order

You can change your program before you start playing.

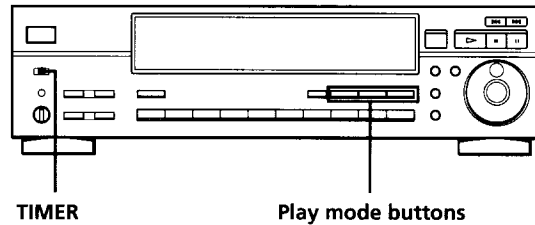
To	You need to
Erase a step	Press CHECK until the step you do not want appears in the display, then press CLEAR.
Erase the last step in the program	Press CLEAR. Each time you press the button, the last step will be erased.
Add steps to the end of the program	Follow the programming procedure
Change the whole program completely	Hold down CLEAR until "ALL CLEAR" appears in the display to erase the whole program, then create a new program following the programming procedure.

Erasing the programs stored in memory

- 1 Press PROGRAM repeatedly in the stop mode until the program number (PROGRAM 1, 2 or 3) you want to erase appears in the display.
- 2 Hold down CLEAR until "ALL CLEAR" appears in the display.

Playing Using a Timer

You can start playing a disc at any time you want by connecting a timer (not supplied). Please also refer to the instructions for the timer if you need help.



- 1 Press one of the play mode buttons to select the play mode you want.
- 2 Set TIMER on the controller to PLAY.
- 3 Set the timer to the time you want.
The controller turns off. When the set time comes, the controller and players turn on and start playing.
- 4 After you have used the timer, set TIMER on the controller to OFF.

Note

The setting of the TIMER switches on the connected players are invalid.

Storing Information About CDs (Custom Files)

What You Can Do With the Custom Files

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

You can store this information:

When you use	You can
Disc Memo	Label the disc using up to 12 characters.
Delete Bank (page 17)	Delete unwanted tracks and store only the tracks you want.
Level File (page 18)	Store the optimum playback level of a disc.
Group File (page 19)	Group discs up to 10 groups to locate them easily.

Where are Custom Files stored?

Custom Files are stored not on the disc, but in the controller's memory. It means you cannot use Custom Files when you play the disc on other players. Also, since the controller stores Custom Files with each disc slit, so you cannot use Custom File when you insert a disc in another slit.

When you have replaced a disc in a slit

Custom Files remain even if you remove a disc.

- If you have replaced a disc with a new one containing no Custom Files:
Whenever you try to play the new disc, "DISC CHANGED" appears in the display. Erase or change the Custom File information if necessary.
- If you have exchanged discs containing the Custom Files in different slits:
When you try to play the exchanged disc for the first time, the controller searches and reload automatically the correct Custom Files for the exchanged disc.

Erasing Custom Files

You can erase any unwanted Custom Files as follows:

To erase all Custom Files of one disc (1 DISC ERASE)

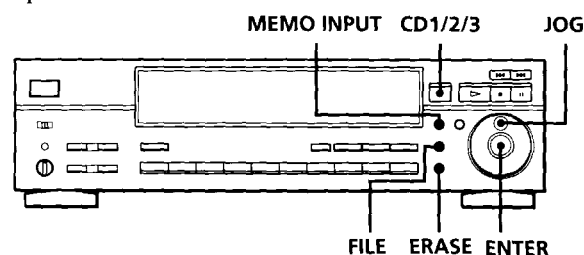
Turn the JOG dial to select the disc containing the Custom Files you want to erase. Hold down ERASE until "1 DISC ERASE" appears in the display, and all Custom Files of the disc will be erased.

To erase all Custom Files of all discs (ALL ERASE)

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

Labeling Discs (Disc Memo)

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



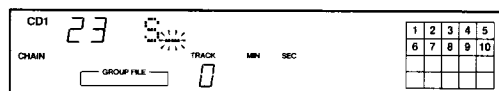
- Press CONTINUE in the stop mode.
- Press CD1/2/3 repeatedly to select the player in which the disc you want has been inserted.
- Turn the JOG dial to select the disc to which you want to assign a Disc Memo.
- Press MEMO INPUT until you find the character type you want.
Each time you press the button, the display shows capital letters (ABC), small letters (abc) and numbers (123) in this order.
- Turn the JOG dial until the character you want appears in the display.
When you turn the JOG dial clockwise, the characters appear in the following order. Turn the JOG dial 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 ä ö ü ; () [] % \$ # 0 1 2 3 4 5 6 7 8 9 10 →
← * / ! ? ' " , . - \



6 Press ENTER.

The selected character lights up, and the character entry position moves to the right.
To insert a space, press CLEAR.



If you have made a mistake

Press \lll or \ggg until the character you want to change flashes, then enter the right letter.

7 Repeat Steps 4 and 5 to input more characters. When you want to change the character type, go back to Step 3.

To stop labeling a disc

Press ■.

8 Press FILE to store the Disc Memo. The Disc Memo appears in the display.

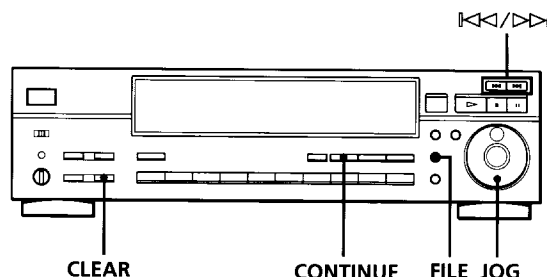


Erasing the Disc Memo

- 1 Press CD1/2/3 repeatedly to select the player in which the disc you want has been inserted.
- 2 Turn the JOG dial to select the disc containing the Disc Memo you want to erase.
- 3 Press MEMO INPUT.
The first character of the Disc Memo flashes.
- 4 Press ERASE to erase the Disc Memo.
"FILE ERASE" appears in the display.

Storing Specific Tracks (Delete Bank)

You can delete 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 Press CONTINUE repeatedly until "ONE DISC" appears in the display.
- 2 Press CD1/2/3 to select the player in which the disc you want has been inserted.
- 3 Turn the JOG dial to select the disc.
The music calendar shows the tracks on the disc you have selected
To use the JOG dial on the remote
Be sure that the JOG ON/OFF indicator lights red. If not, press JOG ON/OFF once before using the JOG dial.
- 4 Press \lll or \ggg to select the tracks you want to delete.
- 5 Press CLEAR.
The track number you have selected disappears from the music calendar.
- 6 Repeat Steps 4 and 5 to delete more tracks.
- 7 Press FILE to store the Delete Bank for the selected disc.
"DELETE FILE" appears for a while, and "DELETE" lights up in the display.



You can delete the currently playing track

Press CLEAR while an unwanted track is playing, then press FILE.



You can recover all the tracks temporarily

Hold down CLEAR in the stop mode until "ALL SELECT" appears in the display.

Storing Information About CDs (Custom Files)

You can make a Delete Bank using the remote

In the ONE DISC Shuffle Play mode, press TRACK and enter the track number to be deleted, then press ENTER. The track number disappears from the music calendar. Repeat this procedure to delete more tracks, then press FILE to store the remaining tracks as a Delete Bank. To recover a track you have deleted, press TRACK, enter the track number again, then press ENTER.

Note

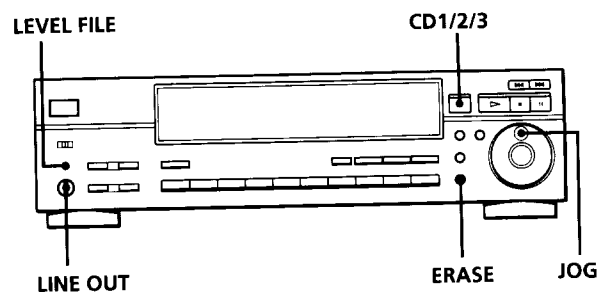
The deleted tracks are skipped even in the Shuffle or Program Play mode (when the whole disc containing a Delete Bank is programmed as one step).

Erasing the Delete Bank

- 1 Press CD1/2/3 repeatedly to select the player in which the disc you want has been inserted.
- 2 Turn the JOG dial to select the disc containing a Delete Bank you want to erase.
To use the JOG dial on the remote
Be sure that the JOG ON/OFF indicator lights red. If not, press JOG ON/OFF once before using the JOG dial.
- 3 Press FILE.
- 4 While "DELETE FILE" is lit in the display, press ERASE.
"FILE ERASE" appears, and the Delete Bank for the selected disc will be erased.

Storing the Optimum Playback Level of a Disc (Level File)

You can store the optimum playback level of the disc. Every time you play the disc, the controller will set the stored level automatically and you don't need to adjust the LINE OUT control on the controller.



- 1 While playing a disc, adjust the playback level using the LINE OUT control.
- 2 Press LEVEL FILE to store the playback level for the disc.
"LEVEL FILE" appears for a while, and "LEVEL" lights up in the display.

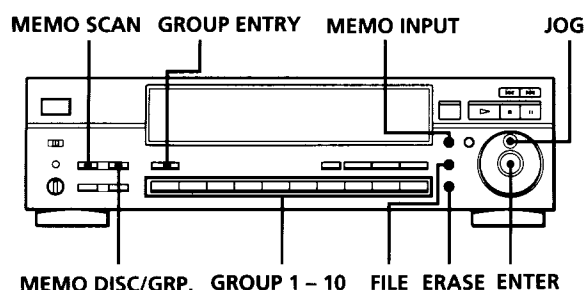
Erasing the Level File

- 1 Press CONTINUE in the stop mode.
- 2 Press CD1/2/3 repeatedly to select the player in which the disc you want has been inserted.
- 3 Turn the JOG dial to select the disc containing a Level File you want to erase.
To use the JOG dial on the remote
Be sure that the JOG ON/OFF indicator lights red. If not, press JOG ON/OFF once before using the JOG dial.
- 4 Press LEVEL FILE.
- 5 While "LEVEL FILE" is lit in the display, press ERASE.
"FILE ERASE" appears, and the Level File for the selected disc will be erased.

Grouping Discs (Group File)

You might find that too many discs make it hard to find the disc you want. This controller has a feature that lets you group discs. When you select a disc to which you have assigned a group, the group number indication appears in the display. The controller has 10 preset groups, such as "JAZZ" and "POPS," and each group can contain up to 300 discs. You can also put a disc into multiple groups.

You can enjoy Continuous, Shuffle, or Repeat Play only within a certain group (Group Play). You can also scan groups (Group Scan) or discs in a specific group to find the group or the disc you want quickly.



Assigning group names

Before you group discs, find the group you want. Each group name appears in the display when you press the corresponding GROUP 1 – 10 button.

Press GROUP	To display
1	Group 1 JAZZ
2	Group 2 POPS
3	Group 3 CLASSICAL
4	Group 4 ROCK
5	Group 5 R & B (Rhythm & Blues)
6	Group 6 BALLADE
7	Group 7 C & W (Country & Western)
8	Group 8 FOR FATHER
9	Group 9 FOR MOTHER
10	Group 10 FOR CHILD

Note

If you load the Custom Files from the players (see page 7) after changing the group names on the CD1 player, the group names already changed and stored in the CD1 player's memory will appear instead of the preset names.

If you want to change the group names, do the following:

- 1 Press one of GROUP 1 – 10 to select a group. The preset group name appears in the display. If a disc is already put in the selected group, Group Play starts.
- 2 While the group name is lit in the display, press MEMO INPUT until you find the character type you want. The first character of the group name flashes. Each time you press the button, the display shows capital letters (ABC), small letters (abc) and numbers (123) cyclically.
- 3 Turn the JOG dial to select a character, then press ENTER. The selected character lights up, and the character entry position moves to the next position.
- 4 Repeat Step 3 to change more characters.
- 5 Press FILE. "MEMO FILE" appears for a while, and the new group name is stored. You can enter up to 12 characters for a group name. See also "Labeling Discs (Disc Memo)" on page 16 for details.

Note

The group name cannot be changed if some discs has been put into the group.

Putting discs into groups

- 1 Press CONTINUE in the stop mode.
- 2 Press CD1/2/3 repeatedly to select the player in which the disc you want has been inserted.
- 3 Turn the JOG dial to select the disc which you want to put into a group.
To use the JOG dial on the remote
Be sure that the JOG ON/OFF indicator lights red. If not, press JOG ON/OFF once before using the JOG dial.
- 4 Press GROUP ENTRY. "GROUP ENTRY" appears in the display, and the navigation display asks you to select one of the groups.
- 5 Press one of GROUP 1 – 10 to select a group. The group name appears for a while, then "GROUP FILE" appears, and the group number indication lights up in the display.



You can put the currently playing disc into a group
While playing the disc, follow Steps 4 and 5 above.

Playing discs in a group (Group Play)

You can enjoy Continuous or Shuffle Play within a group.

- Before you start playing, select the play mode by pressing CONTINUE or SHUFFLE.

When you select	The controller plays
CHAIN Continuous Play	All discs in all players in one group consecutively.
ONE PLAYER Continuous Play	All discs in a specified player in one group consecutively.
ONE DISC Continuous Play	All tracks on a disc (in the current player) in one group.
CHAIN Shuffle Play	All tracks on all discs in all players in one group at random.
ONE PLAYER Shuffle Play	All tracks on all discs in a specified player in one group at random.
ONE DISC Shuffle Play	All track on a disc (in the current player) in one group at random.

- When you want to specify the player (the first playing player for the CHAIN Continuous and the CHAIN Shuffle Play), press CD1/2/3 repeatedly until the player number you want appears in the display.
- When you want to specify the first playing disc (except for the CHAIN and ONE PLAYER Shuffle Play), turn the JOG dial until the disc number you want appears in the display.
To use the JOG dial on the remote
Be sure that the JOG ON/OFF indicator lights red. If not, press JOG ON/OFF once before using the JOG dial.
- Press one of GROUP 1 – 10 to select a group. Group Play starts.
If you don't specify the disc, Group Play starts from the disc in the selected group which is located closest to the playing position.

To cancel Group Play

Press ■. "GROUP OFF" appears in the display.



You can start Group Play using the remote

Before you start playing, press GROUP, the number button of the group you want to play, then ENTER.



You can switch the display indication between the group name and the Disc Memo during Group Play

Each time you press MEMO DISC/GRP., the group name and the current Disc Memo appear in the display alternately. When the group name is shown in the display, "GROUP" lights up.

Note

If "–NO ENTRY–" appears in the display, no disc has been put into the selected group.

Locating a disc within a group by scanning each Disc Memo

You can locate a disc you want to play within a specific group quickly by scanning the Disc Memo in the display and start Group Play.

Note that you cannot use this function in the CHAIN Shuffle and ONE PLAYER Shuffle, and Program Play mode.

- Press one of GROUP 1 – 10 to select the group. The group name appears in the display, and Group Play starts.
- Press MEMO SCAN repeatedly until "MEMO SCAN" appears in the display. The Disc Memos of the discs in the selected group scroll in the display.

Note

"–ENTRY END–" appears in the display when all Disc Memos of the discs in the selected group are checked. (The Disc Memos keeps scrolling.)

- Press ENTER or ▷ when the Disc Memo of the disc you want appears. Group Play re-starts from the selected disc.



You can jump to the next or preceding Disc Memo while scanning

Press ◀◀ or ▶▶.

Locating a group by scanning each group name (Group Scan)

You can locate a group you want to play quickly by scanning the group names in the display and start Group Play.

Note that you cannot use this function in Program Play mode.

- Before you start playing, press MEMO SCAN repeatedly until "GROUP SCAN" appears in the display. The group names scroll in the display.
- Press ENTER or ▷ when the group name you want appears. Group Play starts.



You can jump to the next or preceding group while scanning

Press ◀◀ or ▶▶.

Deleting discs from a group

- 1** Press CONTINUE in the stop mode.
- 2** Press CD1/2/3 repeatedly to select the player in which the disc you want has been inserted.
- 3** Turn the JOG dial to select the disc which you want to delete from a group.
To use the JOG dial on the remote
Be sure that the JOG ON/OFF indicator lights red. If not, press JOG ON/OFF once before using the JOG dial.
- 4** Press GROUP ENTRY.
"GROUP ENTRY" appears in the display, and the navigation display asks you to select one of the groups.
- 5** Press one of GROUP 1 – 10 to select a group.
The group name appears for a while, then "GROUP FILE" appears, and the group number indication lights up in the display.
- 6** While "GROUP FILE" is lit in the display, press ERASE.
"FILE ERASE" appears, and the group number indication disappears from the display.

You can delete the currently playing disc from a group

While playing the disc, follow Steps 4 to 6 above. However, if you are playing the disc in the Group Play mode, you cannot delete the disc from the currently playing group.

Precautions

On safety

- Should any solid object or liquid fall into the cabinet, unplug the controller and have it checked by qualified personnel before operating it any further.

On power sources

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

On placement

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

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 controller, please consult your nearest Sony dealer.

Troubleshooting

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

There is no sound.

- ➔ Check that the controller is connected securely.
- ➔ Make sure you operate the amplifier correctly.
- ➔ Make sure the LINE OUT control is not set to minimum.
Adjust the control appropriately.

The CD does not play.

- ➔ There is no CD in the selected slit ("–NO DISC–" appears).
Insert a CD.

The disc number, which is indicated instead of the Disc Memo, has disappeared.

- ➔ The disc number (e.g., *DISC-20*) disappears if you do not play the disc for more than one minute. However, this is not a malfunction. The disc number appears again when you play the disc.

"DISC CHANGED" appears in the display.

- ➔ You have replaced a disc with a Disc Memo.
Store a new Disc Memo for a newly inserted disc if necessary.

"– NO PLAYER –" appears in the display.

- ➔ Make sure the POWER switches on the players are depressed. If not, turn on the players.
- ➔ Check that the players are connected firmly.


"CONNECT ERR." appears in the display.

- ➔ Make sure the COMMAND MODE selectors on the players are set correctly. Turn the power off, then turn it back on to reset the controller.
- ➔ Check that the controller and players are connected securely and correctly with the system cords. Turn the power off, then turn it back on to reset the controller.

"LOADING ERR." appears in the display.

- ➔ Custom File loading (see page 7) is not done since an error occurs during the loading process. Check that the players are connected firmly, and then try the Custom File loading (see page 7) again.

The remote does not function.

- ➔ Remove obstacles in the path of the remote and the controller.
- ➔ Point the remote at the remote sensor  on the controller.
- ➔ Replace all the batteries in the remote with new ones if they are weak.

The controller functions incorrectly.

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

Specifications

Frequency response	2 Hz to 20 kHz \pm 0.3 dB
Signal-to-noise ratio	More than 100 dB
Harmonic distortion	Less than 0.003%
Channel separation	More than 100 dB

Outputs

	Jack type	Maximum output level	Load impedance
LINE OUT VARIABLE	Phono jacks	2 V (at 50 kilohms)	Over 10 kilohms

General

Power requirement	120 V AC, 60 Hz
Power consumption	10 W
Dimensions (approx.) (w/h/d)	430 \times 125 \times 295 mm (17 \times 5 \times 11 5/8 in.) incl. projecting parts
Mass (approx.)	3 kg (6 lbs 10 oz)

Supplied accessories

- Audio cord (2 phono plugs – 2 phono plugs) (1)
- Remote commander (remote) (1)
- System cords (Mini plug – Mini plug) (3)
- Sony SUM-3 (NS) batteries (2)

Design and specifications are subject to change without notice.

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U, V, W, X, Y, Z

Unpacking 4

Names of controls

Buttons

CD1/2/3 6, 8
CHECK 14
CLEAR 15
CONTINUE 8
DISC 9
DISC SKIP +/- 8
ERASE 7, 16
ENTER 8
FILE 6, 17
GROUP 20
GROUP ENTRY 19
GROUP 1 - 10 19
JOG ON/OFF 7
LEVEL FILE 18
LINE OUT LEVEL +/- 5, 18
MEMO DISC/GRP. 20
MEMO INPUT 16
MEMO SCAN 10, 20
MEMO SEARCH 10
Number 9
PROGRAM 13
REPEAT 11
SHUFFLE 12
TRACK 11
⏮️/⏭️ 8
▷ 8
⏸️ 8
■ 8
⏮️/⏭️ 11

Connector

CONTROL A 5

Control

LINE OUT 5, 18
JOG dial 7

Jacks

LINE IN (CD1/CD2/CD3)
jacks 4
LINE OUT jacks 4

Switches

POWER 6
TIMER 15

Others

Display 9
⏸️ 4