

# *Super Audio CD Player*

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Operating Instructions\_\_\_\_\_

GB

使用説明書\_\_\_\_\_

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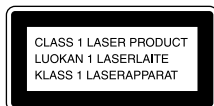
*SCD-XA9000ES*

## WARNING

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

To prevent fire, do not cover the ventilation of the apparatus with news papers, tablecloths, curtains, etc. And don't place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.



This appliance is classified as a **CLASS 1 LASER** product. This marking is located on the rear exterior.



Don't throw away the battery with general house waste, dispose of it correctly as chemical waste.

## Welcome!

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

## About This Manual

The instructions in this manual is for SCD-XA9000ES.

### 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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## Features

### About the Super Audio CD

- Super Audio CD is a new high-quality audio disc standard where music is recorded in the DSD (Direct Stream Digital) format (conventional CDs are recorded in the PCM format). The DSD format, using a sampling frequency 64 times higher than that of a conventional CD, and with 1-bit quantization, achieves both a wide frequency range and a wide dynamic range across the audible frequency range, and so provides music reproduction extremely faithful to the original sound.
- The Super Audio CD has two types; a 2 channel stereo disc and a Multi-channel disc which holds up to 6 independent channels. The multi-channel characteristic of the Super Audio CD features a speaker allocation system basically similar to the 5.1 channel output of current AV systems.

### Features of the player

This player is designed to play back 2-channel and multi-channel Super Audio CDs, and conventional CDs, and provides the following features:

- Mounted with a Discrete Dual Laser Optical Pickup, capable of reading a Super Audio CD or conventional CD depending on the exclusive wavelength.
- Quicker track access performance enabled by an advanced servo mechanism.
- A Multi-Channel Management function that allows you to adjust the multi-channel playback environment according to the allocation and size of your speakers.
- A Super Audio D/A Converter and Direct Digital Sync System, which allows higher-quality sound reproduction.
- An i.LINK digital transmission system that provides higher quality sound and lets you make connections with just 1 i.LINK cord instead of 6 pin cords.
- This player complies with DTLA copy protection technology (Revision 1.2).

### Others

- A Super Audio CD can mark up to 255 track/index numbers. This feature applies to SCD-XA9000ES.
- The supplied remote is capable of controlling both the SCD-XA9000ES and a conventional Sony CD player.

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# Getting Started

This chapter provides information on the supplied accessories and how to connect various audio components to the Super Audio CD player. Be sure to read this chapter thoroughly before you actually connect anything to the player.


## Before You Start Hooking Up

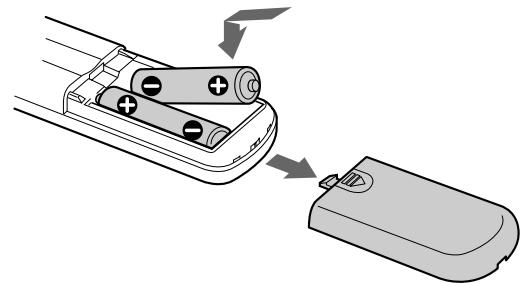
### Checking the supplied accessories

This player comes with the following items:

- Audio connecting cord
  - phono jack × 2 (Red and White) ↔ phono jack × 2 (Red and White) (3)
  - phono jack × 1 (Black) ↔ phono jack × 1 (Black) (2)
- i.LINK connecting cord (1)
- Remote commander RM-SX700 (1)
- Size AA (R6) batteries (2)
- AC power cord (1)
- Plug adapter (1) (North American model only)

### Inserting batteries into the remote

Insert two size AA (R6) batteries into the battery compartment with the + and – correctly oriented to the markings. When using the remote, point it at the remote sensor  on the player.



#### When to replace the batteries

Under normal conditions, the batteries should last for about six months. When the remote no longer operates the player, replace both batteries with new ones.

#### Notes

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

# Hooking Up the Audio Components

Connect the Super Audio CD player to an audio component. Be sure to turn off the power of all components before making connections and connect securely to prevent noise.

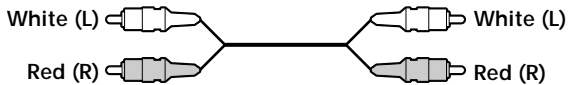
If you have an amplifier equipped with the 5.1CH input jacks (multi-channel amplifier, AV amplifier, etc.) and connect the player and the amplifier via the ANALOG 5.1CH OUT jacks, you can play multi-channel Super Audio CDs and enjoy multi-channel playback. For normal playback, connect the player and an amplifier via ANALOG 2CH OUT jacks.

## Connecting via ANALOG 5.1CH OUT jacks

Use audio connecting cords for this connection. Connect the ANALOG 5.1CH OUT jacks (FRONT L/R, SURR L/R, CENTER, SUB WOOFER) to the corresponding jacks on your amplifier. For FRONT or SURR connection, use the connecting cords (Red and White jacks) and be sure to match the color-coded pin to the appropriate jacks: white (left) to white and red (right) to red. For CENTER and SUB WOOFER connection, use the connecting cords (Black).

### FRONT or SURR connection

Audio connecting cords (Red and White) (supplied)



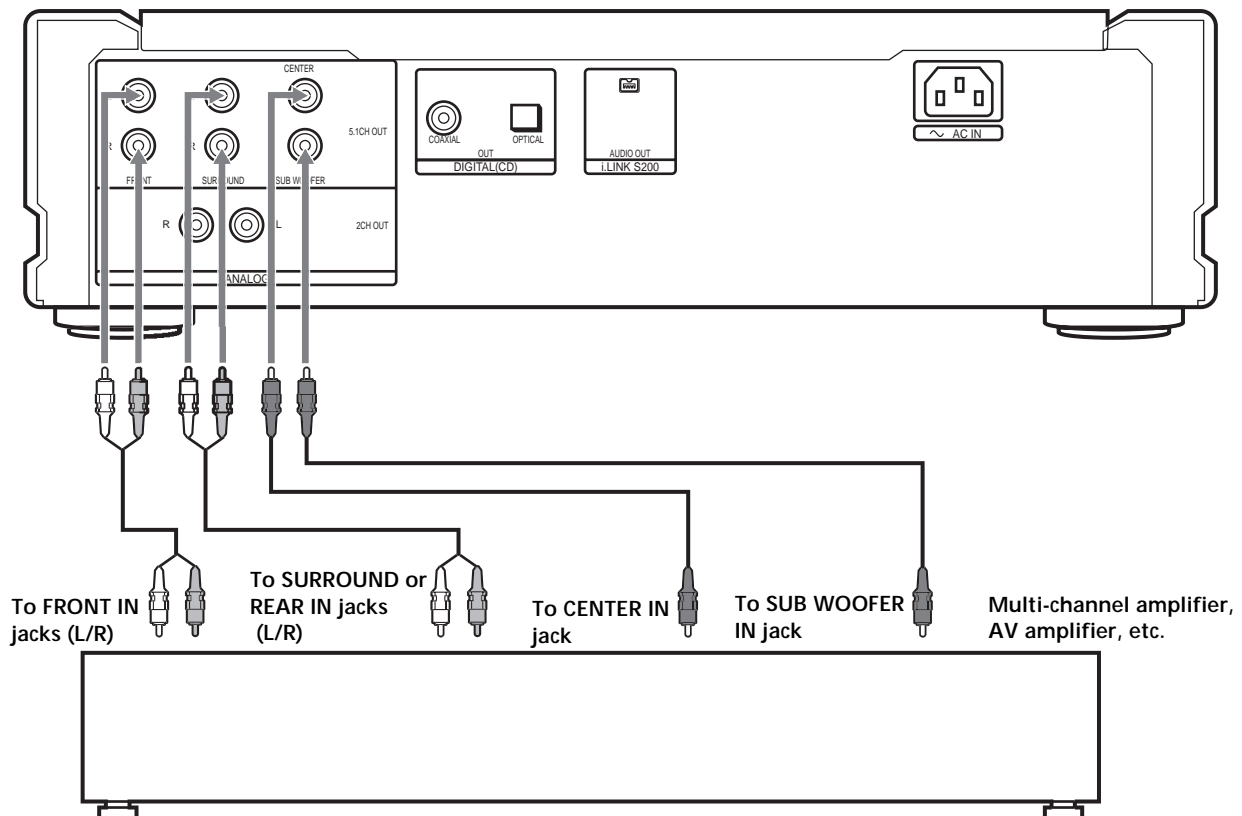
### CENTER or SUB WOOFER connection

Audio connecting cords (Black) (supplied)



### Notes

- Even when you make Multi-channel connections, be sure to also connect the ANALOG 2CH OUT jacks using another audio connecting cord so that you can play CDs (or SACDs) when you set the input selector of your amplifier to CD (or SACD) input .
- During playback of a conventional CD or a 2CH Super Audio CD, same signal is output from the ANALOG 5.1CH FRONT L/R jacks and ANALOG 2CH OUT jacks. The signal is output in higher quality from the ANALOG 2CH OUT jacks (see page 9).
- During playback of a Multi-channel Super Audio CD, the same signal is output from the ANALOG 5.1CH FRONT L/R jacks and ANALOG 2CH OUT jacks. (The downmixed signal of the Multi-channel signal is not played back.)
- There are 5CH, 4CH, and 3CH Super Audio CD. When you play these disc, the signal is not output from all of the ANALOG 5.1CH OUT jacks. For details of the playback, see the cover or instructions of the Super Audio CD.

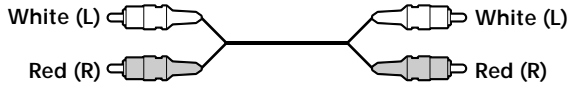


## Hooking Up the Audio Components

### Connecting via ANALOG 2CH OUT jacks

Use an audio connecting cords for this connection. Connect the ANALOG 2CH OUT L/R jacks to the CD (SACD) input jacks of your amplifier. Be sure to match the color-coded pin to the appropriate jacks: white (left) to white and red (right) to red.

Audio connecting cords (Red and White) (supplied)



#### Note

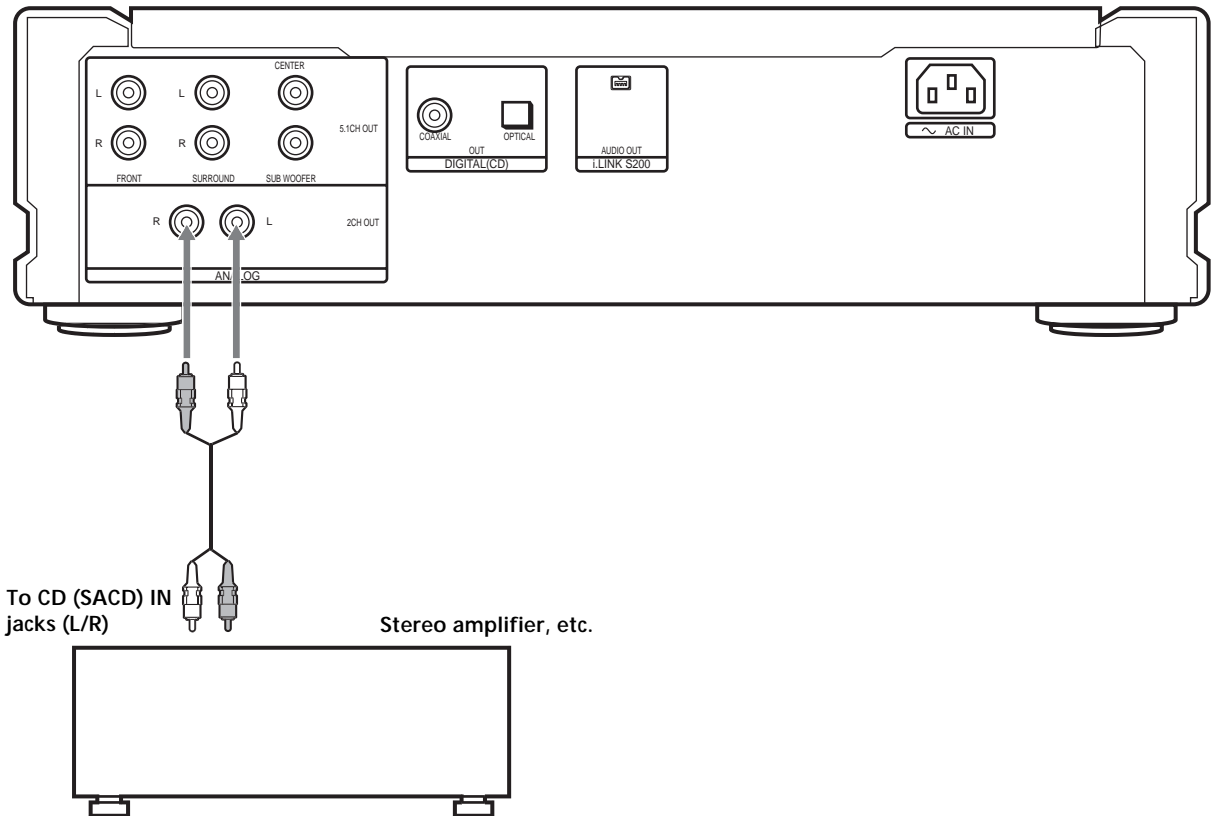
During playback of a Multi-channel Super Audio CD, the same signal is output from the ANALOG 5.1CH FRONT L/R jacks and ANALOG 2CH OUT jacks. (The downmixed signal of the Multi-channel signal is not played back.)

### About the ANALOG 2CH OUT

When you play a conventional CD or a 2CH Super Audio CD, the stereo signal is sent to the FRONT, SURROUND, and CENTER/SUB WOOFER D/A Converters, and each signal is combined after D/A conversion, then combined signal is output from the 2CH OUT jacks.

Since each digital signal is converted to analog signal by three converters, this system offers a 3-times increase in signal, with only a 3-times increase in noise, for an improved signal to noise ratio. Therefore, a high quality signal is output from the ANALOG 2CH OUT jacks.

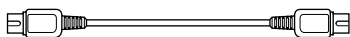
During playback of a Multi-channel Super Audio CD, the signal conversion described above is not applied, and the same signal is output from the ANALOG 5.1CH FRONT L/R jacks and ANALOG 2CH OUT jacks. (The downmixed signal of the Multi-channel signal is not played back.)



## Connecting via i.LINK S200 AUDIO OUT jack

Connect SCD-XA9000ES to STR-DA9000ES/TA-DA9000ES with the supplied i.LINK connecting cord.

i.LINK connecting cord (supplied)



### Notes

- i.LINK connections are only possible between this player and STR-DA9000ES/TA-DA9000ES. This player has some restrictions on i.LINK functions and may not operate properly if connected to components other than STR-DA9000ES/TA-DA9000ES.
- If a metal object should fall into the i.LINK S200 AUDIO OUT jack, short-circuiting may occur and damage the components.
- Be sure to insert the plug firmly to prevent malfunction.
- See page 32 for information about compatible signals.
- Some i.LINK components comply with copy protection technology and handle encrypted signals. This player complies with the DTLA copy protection technology (Revision 1.2).
- "i.LINK" lights up in the display when this player is ready to output the audio signals from the i.LINK S200 AUDIO OUT jack.

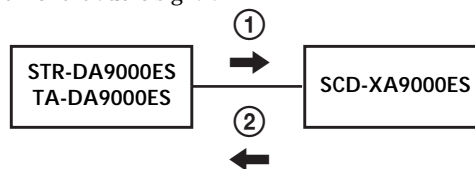
## Establishing a LINC

Before an audio signal can be transmitted between i.LINK components, a LINC (Logical Interface Connection) must first be established between the receiving component (of the audio signal) and the sending component. Establishing a LINC means establishing a logical path for the transmission of digital audio signals between the two components. Each logical path has an ID number. Since the component that sends an audio signal must output the signal to a path, and the component that receives the signal must input it from the same path, the path must be mutually known by both components. During the establishment of a LINC, the following communication occurs between the two i.LINK components.

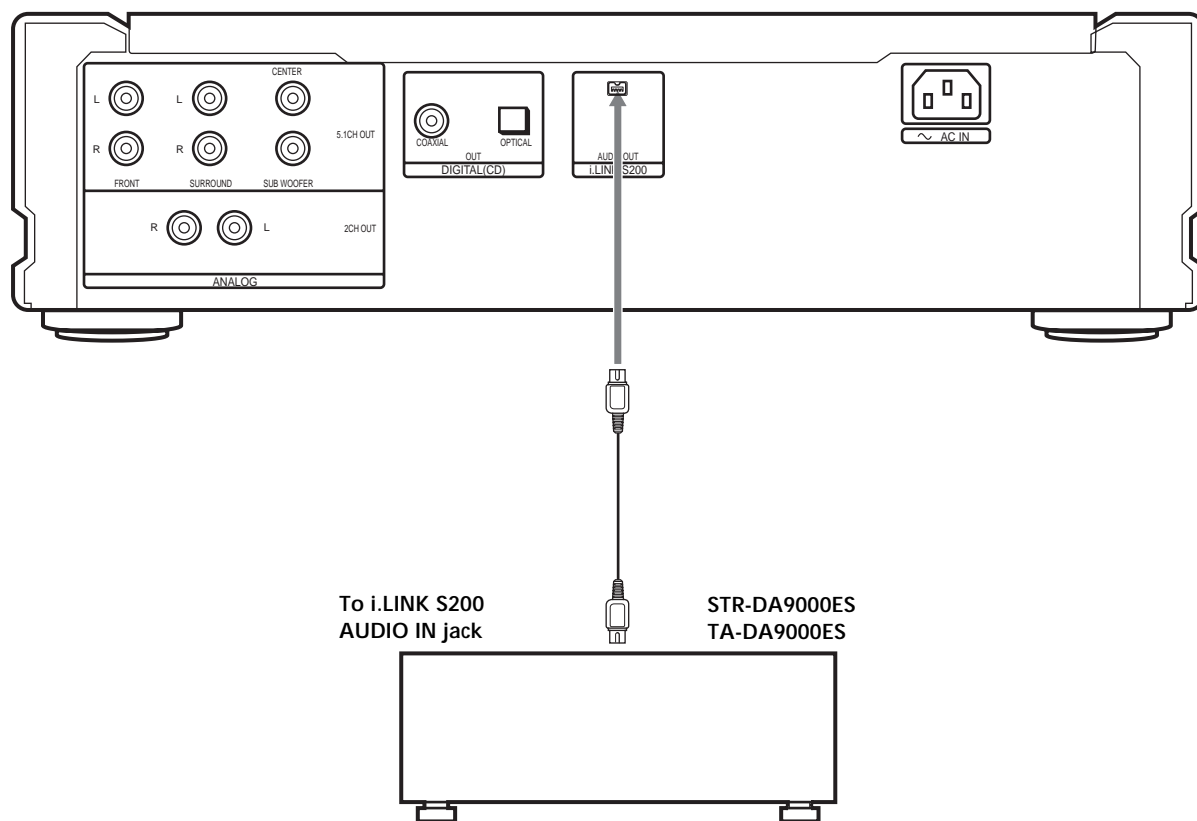
### Example

STR-DA9000ES/TA-DA9000ES establishes a LINC with SCD-XA9000ES.

- ① STR-DA9000ES/TA-DA9000ES sends a request and path information to SCD-XA9000ES to establish a transmission path for the audio signal.



- ② SCD-XA9000ES responds to STR-DA9000ES/TA-DA9000ES, agreeing to the establishment of a LINC. The digital audio signal transmission becomes possible only after the communication described above has occurred and a LINC has been established.



## Hooking Up the Audio Components

### Listening in high fidelity H.A.T.S. (High quality digital Audio Transmission System) function

When the H.A.T.S. function of STR-DA9000ES/TA-DA9000ES is "ON" digital audio signals are momentarily stored in a buffer, then read with exact timing before being converted to analog. This eliminates the jitter (timing lapses) that sometimes occur during digital signal transmission and greatly improves sound quality. When this function is turned on, "H.A.T.S." lights up in the display of STR-DA9000ES/TA-DA9000ES whenever the digital audio signal is input to the receiver. When not using this function, set it to "OFF" on STR-DA9000ES/TA-DA9000ES. For details, refer to the Operating Instructions supplied with STR-DA9000ES/TA-DA9000ES.

#### Notes

- Because of the way the H.A.T.S. function operates, a slight time lag is introduced between each operation (e.g., pressing play, stop, or pause) and its implementation. The duration of this time lag may be different for CD and Super Audio CD sources.
- The H.A.T.S. function works only with H.A.T.S. compatible components.
- The H.A.T.S. function works only when this player is selected as the input source by a single STR-DA9000ES/TA-DA9000ES. This is because the receiving component (STR-DA9000ES/TA-DA9000ES) controls the rate of digital audio signal transmission from the player. To insure proper signal transmission within the i.LINK configuration, only one component can receive the digital audio signals output from a source component.

### Copyright

i.LINK components complying with copyright protection incorporate digital data copy protection technology. One such technology is the DTLA (The Digital Transmission Licensing Administrator) recognized by the Copy Protection Technical Working Group. It may not be possible to make digital copies of copy restricted digital data (video/audio/data) using i.LINK signals between components that comply with the DTLA copy protection technology. In addition, it may not be possible to transfer digital data (video/audio/data) via i.LINK between i.LINK components which comply with DTLA copy protection and i.LINK components which do not.

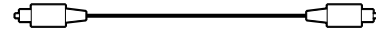
- i.LINK is a designation referring to IEEE 1394-1995 and IEEE 1394a-2000. i.LINK and the i.LINK logo "i" are trademarks of Sony Corporation.

### Connecting via DIGITAL (CD) OUT OPTICAL connector

Use an optical digital cable for this connection. When connecting the optical digital cable to the DIGITAL (CD) OUT OPTICAL connector, take the cap off the connectors and push the cable plugs in until they click into place.

Be careful not to bend or twist the optical cable.

Optical digital cable (not supplied)



#### Note

Only the audio signals of conventional CDs can be output from the DIGITAL (CD) OUT connectors. Those of the Super Audio CD cannot be output through DIGITAL (CD) OUT.

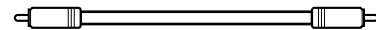
When the i.LINK indicator is lit

No signal is output from DIGITAL (CD) OUT OPTICAL connector.

### Connecting via DIGITAL (CD) OUT COAXIAL connector

Use a coaxial digital cable to connect the audio components equipped with coaxial digital input connectors.

Coaxial digital cable (not supplied)



#### Note

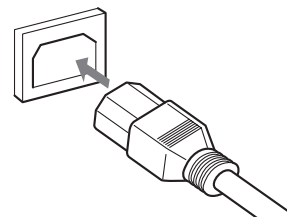
Only the audio signals of conventional CDs can be output from the DIGITAL (CD) OUT connectors. Those of the Super Audio CD cannot be output through DIGITAL (CD) OUT.

When the i.LINK indicator is lit

No signal is output from DIGITAL (CD) OUT COAXIAL connector.

### Connecting the AC power cord

Connect the supplied AC power cord to the AC IN terminal on the player and to the mains.





### Note on the output jacks

This player is equipped with a Tri-Powered D/A Converter System and a Multi Channel Management function. The usable output settings differ depending on the mode you select as follows. For details, refer to the Operating Instructions.

Source	Multi Channel Management	2CH OUT jacks	5.1CH OUT jacks	PHONES jack	DIGITAL (CD) OUT jacks
CD	Not available	○*1	○	○*1	○*3
Super Audio CD (2 channel)	Direct	○*1	○	○*1	×
	2ch + SW	○	○	○	×
Super Audio CD (Multi-channel)	Available for all playback modes	○*2	○	○*2	×

\*1 Output through the Tri-Powered D/A Converter.

\*2 The same signal that is output from the ANALOG 5.1CH OUT FRONT L/R jacks is output.


\*3 Only when "D. OUTPUT" is set to "ON" (page 24).

#### Note

Tri-Powered D/A Converter System works only for 2 channel signals from 2 CH OUT jacks.

#### When the i.LINK indicator is lit

- No signal is output from all the other jacks (ANALOG 2CH OUT jacks, ANALOG 5.1CH OUT jacks, PHONES jack, DIGITAL (CD) OUT jacks).
- The Multi Channel Management function does not work.

 When you want to listen to the sound through headphones when the i.LINK indicator is lit

Connect the headphones to the PHONES jack on the amplifier, not on this player.

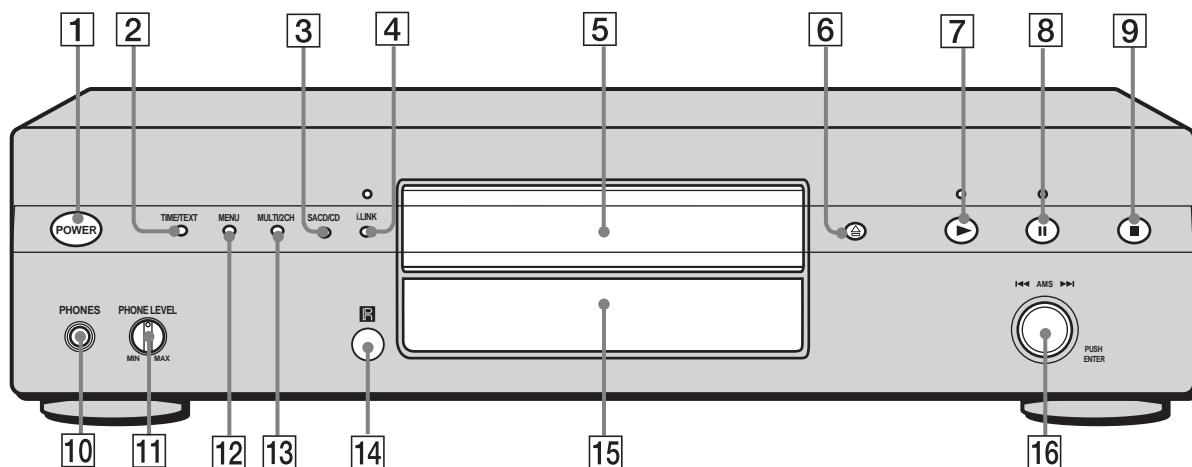
# Location and Functions of Parts

This chapter tells you about the location and functions of the various buttons and controls on the front and rear panels and the supplied remote. Further details are provided on the pages indicated in parentheses. It also tells you about the information that appears in the display window.

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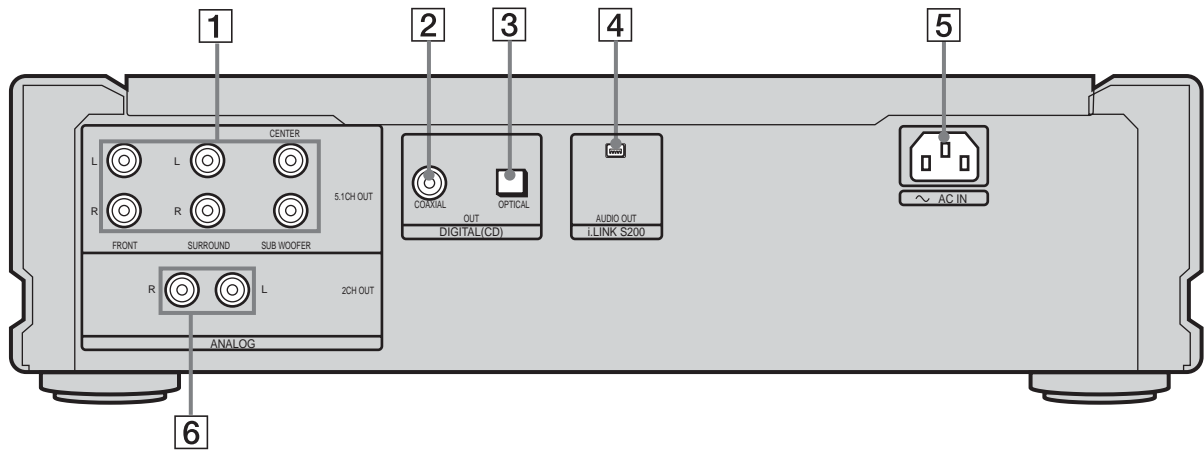
## Front Panel Parts Descriptions

- 1 POWER switch (16)**  
Press to turn on the player.
- 2 TIME/TEXT button (17)**  
Each time you press the button, the playing time of the track, the total remaining time on the disc, or TEXT information appears in the display.
- 3 SACD/CD button (16)**  
Each time you press the button while playing back a hybrid disc, the layer to be played back switches between the HD (Super Audio CD) layer and the CD layer.
- 4 i.LINK button (16)**  
Each time you press the button, i.LINK function turns on or off.  
  
**i.LINK indicator (16)**  
Lights up when the i.LINK function is used.
- 5 Disc tray (16)**  
Press  $\triangle$  OPEN/CLOSE to open/close the disc tray.



- 6** **OPEN/CLOSE button (16)**  
Press to open or close the disc tray.
- 7** **button (16)**  
Press to start play.  
 **indicator (16)**  
Lights up during playback.
- 8** **button (16)**  
Press to pause play.  
 **indicator (16)**  
Lights up during pause.
- 9** **button (16)**  
Press to stop play.
- 10** **PHONES**  
Connect the headphones.  
During playback of a Multi-channel Super Audio CD, the same signal that is output from the ANALOG 5.1CH FRONT L/R jacks is output from the PHONES jack.
- 11** **PHONE LEVEL**  
Adjust the headphones volume.
- 12** **MENU (15, 26–28)**  
Press to enter the menu.  
Press to exit from the menu and return to the normal display.
- 13** **MULTI/2CH button (16)**  
Press to select the playback area when the 2 channel + Multi-channel Super Audio CD (page 15) is loaded.
- 14** **Remote sensor**
- 15** **Display window (17)**  
Shows various information.
- 16** **AMS dial (AMS: Automatic Music Sensor) (20)**  
When you turn the AMS dial counterclockwise by one click, you go back to the preceding track; when you turn the AMS dial clockwise by one click, you go to the succeeding track.

# Rear Panel Parts Descriptions



- 1 ANALOG 5.1CH OUT jacks (5)**  
Connect to an amplifier equipped with the 5.1CH input jacks (Multi-channel amplifier, AV amplifier, etc.) using the audio connecting cords.
- 2 DIGITAL (CD) OUT COAXIAL connector (8)**  
Connect to an audio component using the coaxial digital cable.
- 3 DIGITAL (CD) OUT OPTICAL connector (8)**  
Connect to an audio component using an optical digital cable.
- 4 i.LINK S200 AUDIO OUT jack (7)**  
Connect to STR-DA9000ES/TA-DA9000ES using the i.LINK connecting cord.
- 5 AC IN terminal (9)**  
Connect the AC power cord.
- 6 ANALOG 2CH OUT L/R jacks (6)**  
Connect to an audio component (stereo/2 channel) using the audio connecting cord.

## Note

Only the audio signals of the CD can be output from the DIGITAL (CD) OUT connectors shown in 2 and 3. Those of the Super Audio CD cannot be output through DIGITAL (CD) OUT connectors.

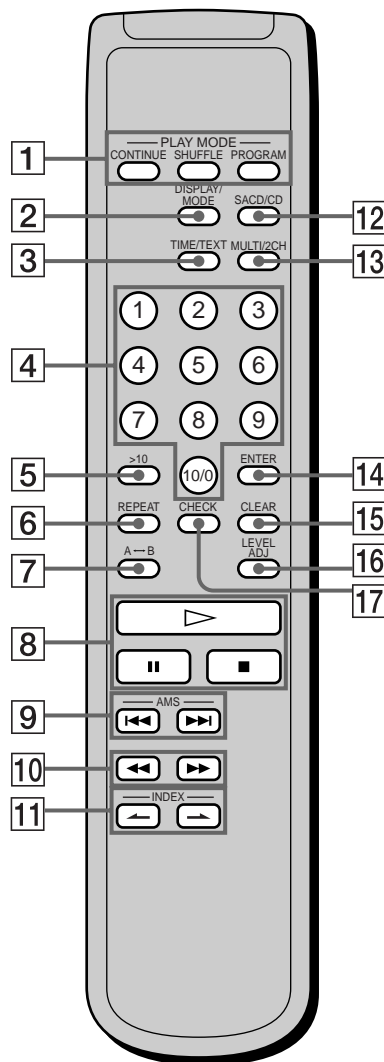
## When the i.LINK indicator is lit

No signal is output from all the other jacks (ANALOG 2CH OUT jacks, ANALOG 5.1CH OUT jacks, PHONES jack, DIGITAL (CD) OUT jacks).

# Remote Parts Descriptions

- 1 CONTINUE button (22)**  
Press to resume normal play from Shuffle Play or Program Play.  
**SHUFFLE button (22)**  
Press to select Shuffle Play.  
**PROGRAM button (23)**  
Press to select Program Play.
- 2 DISPLAY MODE button (18)**  
Press to turn the display information off or on.
- 3 TIME/TEXT button (17)**  
Each time you press the button, the playing time of the track, the total remaining time on the disc, or TEXT information appears in the display.
- 4 Number buttons (20)**  
Press to enter the track numbers.
- 5 >10 button (20)**  
Press to locate a track numbered over 10.
- 6 REPEAT button (21)**  
Press repeatedly to play all tracks or only one track on the disc.
- 7 A↔B button (22)**  
Press to select Repeat A-B Play.
- 8 ▷ button (16)**  
Press to start play.  
**■ button (16)**  
Press to pause play.  
**■ button (16)**  
Press to stop play.
- 9 AMS ◀◀/▶▶ (AMS: Automatic Music Sensor) buttons (20)**  
Press to locate a specific track.
- 10 ◀▶/▶▶ buttons (20)**  
Press to locate a portion you want to play within a track.
- 11 INDEX ◀/▶ buttons (20)**  
Press to locate a specific point marked with an index signal when you play a disc that has index signals.

- 12 SACD/CD button (16)**  
Each time you press the button, "SACD" or "CD" appears in the display. Select the type of CD you want to play.
- 13 MULTI/2CH button (16)**  
Press to select the playback area when the 2 channel + Multi-channel Super Audio CD (page 15) is loaded.
- 14 ENTER button (27)**  
Press to decide the selection.
- 15 CLEAR button (23)**  
Press to delete a programmed track number.
- 16 LEVEL ADJ button (27)**  
Press to adjust the output level balance for the Multi-channel management function (page 25).
- 17 CHECK button (23)**  
Press to check the programmed order.



# Playing Discs

This chapter explains the various ways to play discs.

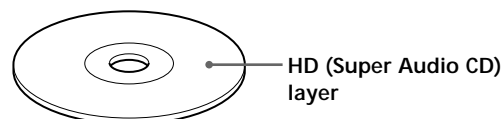
## Compatible Disc Types

You can play the following discs with this player. Depending on the type of disc to be played, select the appropriate indicator by pressing SACD/CD or MULTI/2CH (page 16).

### Classification by the layer configuration

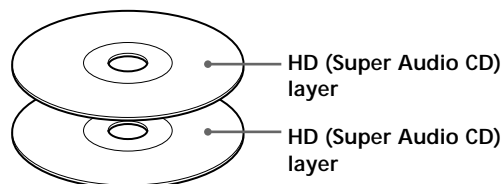
#### Super Audio CD (single layer disc)

This disc consists of a single HD (high density) layer. When you play this disc, the player is set to the Super Audio CD playback mode automatically.



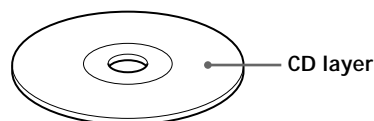
#### Super Audio CD (dual layer disc)

This disc consists of dual HD layers and is capable of extended play over long periods. When you play this disc, the player is set to the Super Audio CD playback mode automatically. Also, as the dual layer disc consists of dual HD layers on one side only, it is not necessary to turn the disc over.



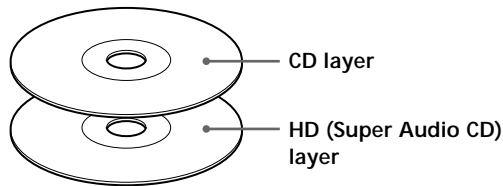
#### Conventional CD

This disc is the standard format. When you play this disc, the player is set to the Conventional CD playback mode automatically.



### Super Audio CD + CD (Hybrid disc)

This disc consists of an HD layer and a CD layer. Press SACD/CD to select the layer you want to listen to. Also, as the dual layers are on one side, it is not necessary to turn the disc over. You can play the CD layer using a conventional CD player.



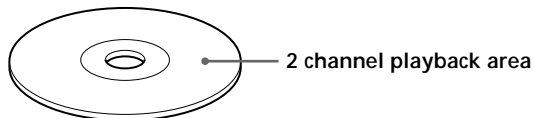
#### Selecting the default playback layer (HD or CD)

- 1 During stop mode, press MENU.
- 2 Turn **◀◀ AMS ▶▶** until "SACD/CD SEL" appears in the display.
- 3 Press **◀◀ AMS ▶▶**.  
The current playback layer appears.
- 4 Turn **◀◀ AMS ▶▶** to select desired playback layer, then press **◀◀ AMS ▶▶**.

#### Classification by the channel configuration of the Super Audio CD

##### 2 channel Super Audio CD

This disc consists of the 2 channel playback area. When you play this disc, the player is set to the 2 channel playback mode automatically.



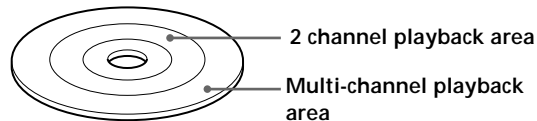
##### Multi-channel Super Audio CD

This disc consists of the multi-channel playback area. When you play this disc, the player is set to the multi-channel playback mode automatically.



### 2 channel + Multi-channel Super Audio CD

This disc consists of the 2 channel playback area and the multi-channel playback area. Press MULTI/2CH to select the playback area you want to listen to.



#### Selecting the default playback area (2 channel or multi-channel)

- 1 During stop mode, press MENU.
- 2 Turn **◀◀ AMS ▶▶** until "M/2CH SELECT" appears in the display.
- 3 Press **◀◀ AMS ▶▶**.  
The current playback area appears.
- 4 Turn **◀◀ AMS ▶▶** to select desired playback area, then press **◀◀ AMS ▶▶**.

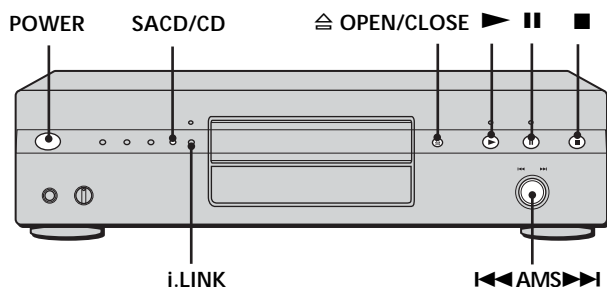
#### Incompatible Discs

This player cannot play the following discs. If you try to play them, the error message "TOC Error" or "No Disc" will appear or there will be no sound.

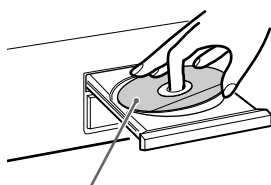
- CD-ROM
- DVD, etc.

# Playing a Disc

The operations for normal play and the basic operations during play are explained below.



- 1 Turn on the amplifier. Turn down the volume level to the lowest.
- 2 Select the player position using the input selector on the amplifier.
- 3 Press POWER to turn on the player.
- 4 Press  $\square$  OPEN/CLOSE to open the disc tray, and place a disc on the tray.



With the label side up

- 5 Press  $\blacktriangleright$ . Playback starts from the first track. If you want to start playing from a specific track, turn  $\blacktriangleleft$  AMS  $\blacktriangleright$  to select the track number before pressing  $\blacktriangleright$ .
- 6 Adjust the volume on the amplifier.

## Basic operations during play

To	Press
Stop play	$\blacksquare$
Pause play	$\parallel$
Resume play after pausing	$\parallel$ or $\blacktriangleright$
Locate a succeeding track	Turn $\blacktriangleleft$ AMS $\blacktriangleright$ clockwise
Locate the beginning of the current track or a preceding track	Turn $\blacktriangleleft$ AMS $\blacktriangleright$ counterclockwise
Eject the disc	$\square$ OPEN/CLOSE

If you turn on the player when a disc is already loaded Playback starts automatically. If you connect a commercially available timer, you can set it to start playing the disc at any time you want.

To select a layer you want to listen to when playing a hybrid disc (page 15) Press SACD/CD repeatedly to light either the "SACD" or "CD."

To select a playback area you want to listen to when playing a 2 channel + Multi-channel Super Audio CD (page 15) Press MULTI/2CH repeatedly to light either the "MULTI CH" or "2 CH."

### Notes

- During playback, increase the volume level gradually starting from the lowest level. The output from this unit may contain band width that are out of the normal listening range. This may cause damage to the speakers or ears.
- When you change the playback area during the Program Play mode, the program is cleared.
- When you change the playback area, the playback starts from the beginning of the same track. However, the playback starts from the first track depending on the disc.

## To use the i.LINK function

You can output the sound through i.LINK S200 AUDIO OUT jack and enjoy the high quality sound. Refer to the Operating Instructions supplied with the connected component.

**Press i.LINK to turn on the i.LINK indicator.**

To turn off the i.LINK function and listen to the analog sound, press i.LINK again to turn off the i.LINK indicator.

### Note

If you press  $\blacktriangleright$  while the connected component is not ready for the i.LINK function (ex., while "i.LINK Connecting" appears in the display of STR-DA9000ES/TA-DA9000ES), the sound at the beginning of the track may be dropped out.

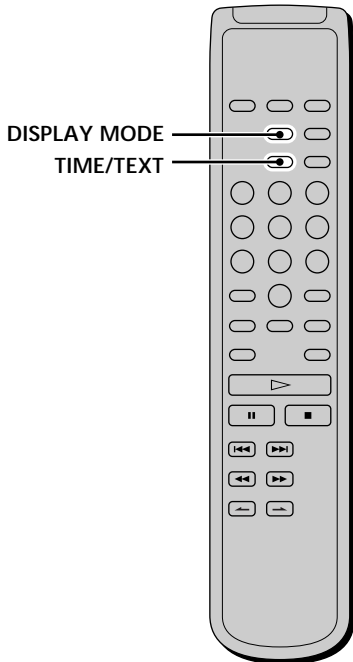
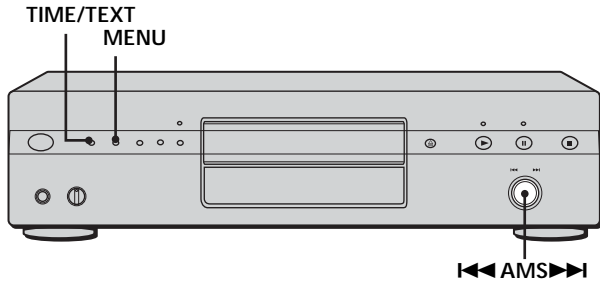
### When the i.LINK indicator is lit

- No signal is output from all the other jacks (ANALOG 2CH OUT jacks, ANALOG 5.1CH OUT jacks, PHONES jack, DIGITAL (CD) OUT jacks).
- The "D. FILTER", "D. OUTPUT", "2CH SPK MODE", "MCH SPK MODE", "LEVEL ADJUST" and "SPK DISTANCE" menu operations are not available.



# Using the Display

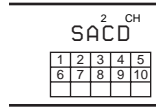
The display window shows various information about the disc or track being played. This section describes the current disc information and information that appears for each play status.



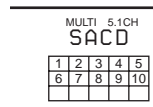
## Disc information when a disc is loaded

Depending on the disc that is currently loaded, the display shows as follows:

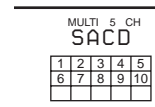
### 2 channel Super Audio CD



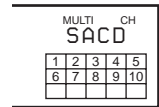
### Multi-channel Super Audio CD



or



or

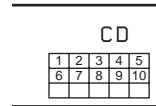


During playback of a 5.1 channel Super Audio CD

During playback of a 5 channel Super Audio CD

During playback of other Super Audio CDs or during stop mode

### Conventional CD



## Displaying information while the player is stopped

Press TIME/TEXT.

The display shows the total number of tracks and total playing time.

Total number of tracks      Total playing time



## Using the Display

### Displaying information while the player is playing

Press TIME/TEXT.

Each time you press the button, the current track number and its elapsed time or remaining time appears, or the total remaining time for the disc appears in the display. When the player detects a Multi-channel Super Audio CD, the channel information appears before the default display appears.

Playing track number and elapsed playing time of the current track (default display)



Press TIME/TEXT



Playing track number and remaining time of the current track



Press TIME/TEXT



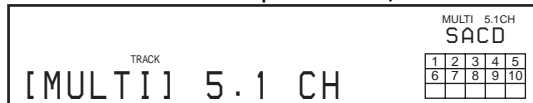
Total remaining time on the disc



Press TIME/TEXT



Channel information (appears only when the player detects a Multi-channel Super Audio CD)



### Turning off the information in the display



Each time you press DISPLAY MODE on the remote while playing a disc, the display turns off and on alternately. Even when the display is turned off, the display turns on if you pause or stop play. When you resume play, the display turns off again.

Before you start playing, when you press DISPLAY MODE to turn off the display, "Display Off" appears, and when you press the button to turn on the display, "Display On" appears.

### Displaying the information of a TEXT disc

TEXT discs contain information, such as the disc name or artist name, as well as the audio signals. This player can display the disc name, artist name, and current track name as TEXT information.

When the player detects a TEXT disc, "TEXT" appears in the display. If your TEXT disc has several languages, "MULTI-TEXT" appears in the display. When you want to check the information in another language, see "Displaying the information of a TEXT disc in other languages" on page 19.

### Displaying the information of a TEXT disc in stop mode

Press TIME/TEXT.

Each time you press the button, the disc name or artist name appears in the display. When you select the artist name, "ART." appears in the display.

- Before you start playing

Disc title



Press TIME/TEXT



Artist name



Press TIME/TEXT



Total number of tracks and total playing time



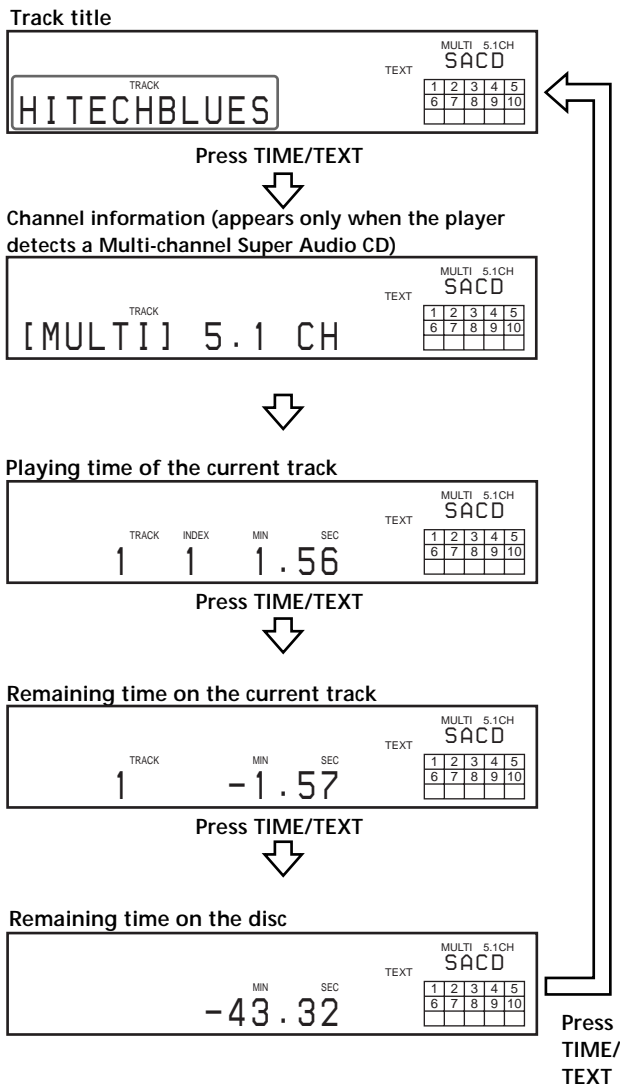
Press  
TIME/  
TEXT

## Display information of a TEXT disc while playing a disc

The current track name appears. If the disc name has more than 15 characters, the first 14 characters will remain after the name scrolls by in the display.

When the player detects a Multi-channel Super Audio CD, the channel information appears before the playing time of the current track appears.

- While playing a disc



### Notes

- The display may not show all the characters, depending on the disc.
- This player can display only the disc name, artist name, and track names from TEXT discs. Other information cannot be displayed.

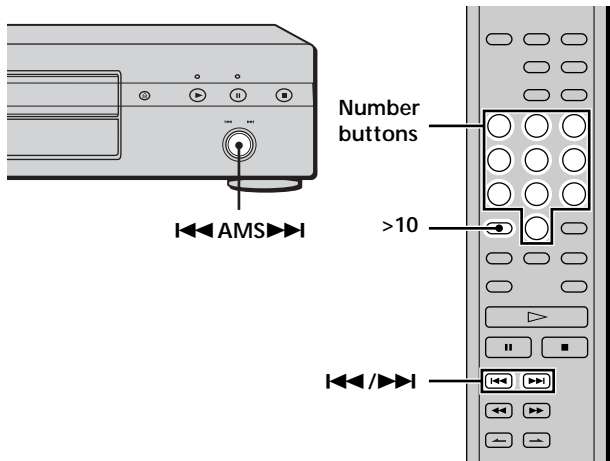
## Displaying the information of a TEXT disc in other languages

You can change the displayed language if the TEXT disc has multi language capacity. When the player detects such a TEXT disc, "MULTI-TEXT" appears in the display. Change the language according to the procedures below.

- 1 Press MENU in stop mode.
- 2 Turn **◀ AMS ▶** until "LANGUAGE" appears in the display.
- 3 Press **◀ AMS ▶**.  
 The current selected language (English, French, German, etc.) flashes.  
 If the player cannot display the language used in a TEXT disc, "Other lang" appears in the display.
- 4 Turn **◀ AMS ▶** until the desired language appears in the display.
- 5 Press **◀ AMS ▶**.  
 After a few seconds, the information appears in the selected language.

## Locating a Specific Track

During stop or play mode, you can locate any track to be played.



To locate	You need to
The next or succeeding tracks	Turn <b>AMS</b> clockwise until you find the track. When using the remote, press <b>▶▶▶</b> repeatedly until you find the track.
The current or preceding tracks	Turn <b>AMS</b> counterclockwise until you find the track. When using the remote, press <b>◀◀◀</b> repeatedly until you find the track.
A specific track directly	Turn <b>AMS</b> until you find the track number you want. When using the remote, press <b>◀◀◀</b> or <b>▶▶▶</b> repeatedly until you find the track.

### Locating a track directly by entering the track number

Press the number button(s) to enter the track number.

To enter a track number over 11

**1** Press >10.

**2** Enter the corresponding digits.

To enter 0, press 10/0 instead.

Examples:

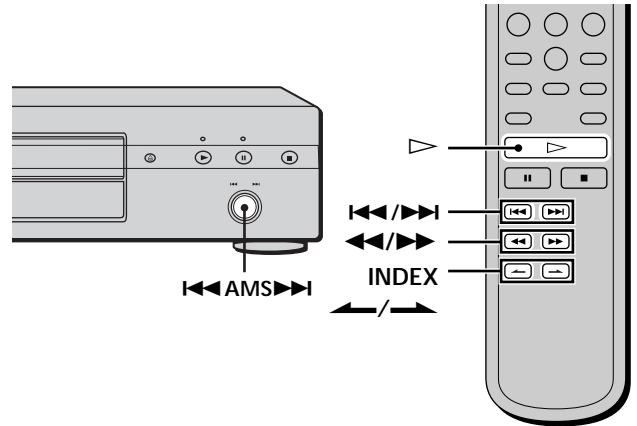
- To play track number 30, press >10, then 3 and 10/0.
- To play track number 100, press >10 twice, then 1, and 10/0 twice.

**Note**

The default display reappears if you press >10 twice when the number of total tracks is less than 100.

## Locating a Particular Point in a Track

You can locate a particular point in a track during play or play pause.



### Locating a point while monitoring the sound (Search)

Press and hold **◀◀/▶▶▶** during play.

You will hear intermittent playback as the disc goes forward or reverses.

When you reach the desired point, release the button.

### Locating a point by observing the time indication (High-Speed Search)

Press and hold **◀◀/▶▶▶** during play pause.

You will not hear the playback sound.

When "Over!!" appears in the display

The disc has reached its end. Press **◀◀◀** or **◀◀** to go back.

**Note**

Tracks that are only a few seconds long may be too short for monitoring. In this case, the player may not search correctly.

### Locating a point using the index function (Index Search)

Press **INDEX▶▶▶** or **INDEX◀◀◀** repeatedly in play or pause mode.

What is an INDEX?

Some Super Audio CD or CD are provided with an index marking system which divides tracks or discs into smaller segments. This is especially useful when you want to locate a certain point within a long track (in classical music for example). The index search function works only when you use a commercially available indexed discs (usually indicated on the label).

### Locating a point by setting the start time (Time Search)

- 1 Press **◀◀/▶▶** (or turn **◀◀ AMS ▶▶**) to select the desired track in stop mode.
- 2 Press and hold **◀◀/▶▶** to set the time to start play while looking at the display.  
You can set the time from the beginning of the desired a track when you press **▶▶** at first, and set the time from the end of the desired track backward's when you press **◀◀** at first.

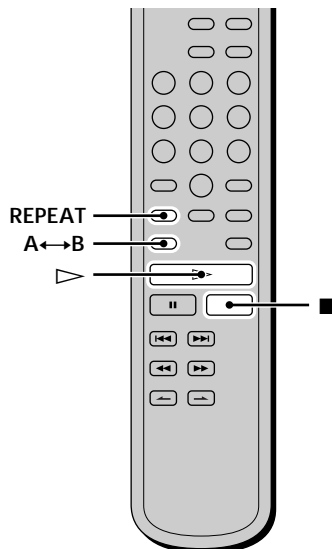


- 3 Press **▷**.  
Play will start at the time search.

## Playing Tracks Repeatedly



You can play an entire disc or portions thereof repeatedly. This function can be used with Shuffle Play to repeat all the tracks in random order (page 22), or with Program Play to repeat all the tracks in a program (page 23). You can also repeat a specific track or portion within a track.



### Note

If you turn off the player or disconnect the mains lead, the player will store the last setting of repeat play (“Repeat All” or “Repeat 1”) and recall it the next time you turn on the player. However, the setting of the Repeat A-B Play will be cancelled if you turn off the player or disconnect the mains lead.

### Repeating all the tracks on the disc (Repeat All Play)

Press **REPEAT** once, then press **▷**.

“Repeat” appears in the display and Repeat All Play starts.

The repeat play changes depending on the play mode you select.

When the play mode is	The player repeats
Normal play (page 16)	All the tracks in sequence
Shuffle Play (page 22)	All the tracks in random order
Program Play (page 23)	All the tracks in the program in sequence

### To cancel Repeat All Play

Press **REPEAT** repeatedly until “REPEAT” goes off.

## Playing Tracks Repeatedly

### Repeating the current track (Repeat 1 Play)

While the track you want to repeat is being played, press REPEAT repeatedly until "REPEAT 1" appears in the display.

Repeat 1 Play starts.

#### To cancel Repeat 1 Play

Press REPEAT repeatedly until "REPEAT 1" goes off.


### Repeating a specific portion within a track (Repeat A-B Play)

You can specify one portion within a track to be played repeatedly. Note that the portion that you specify must be within the boundaries of a single track.

- 1 While the player is playing, press A↔B at the starting point (point A) of the portion to be played repeatedly.  
"REPEAT" appears and "A" flashes in the display.
- 2 Continue playing the track (or press ►►) to locate the ending point (point B), then press A↔B.  
"REPEAT A-B" appears and Repeat A-B Play starts.

#### To cancel Repeat A-B Play

Press REPEAT.

 You can set a new starting point and ending point during Repeat A-B Play

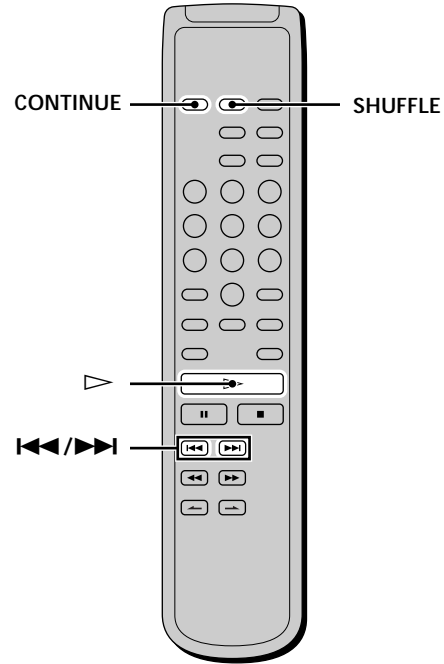
You can change the current ending point to a new starting point, then specify a new ending point to repeat another portion right after the current portion.

- 1 During Repeat A-B Play, press A↔B.  
The current ending point changes to the new starting point (point A).  
"REPEAT" lights up and "A" flashes in the display.
- 2 Locate the new ending point (point B) and press A↔B.  
"REPEAT A-B" lights up and the player starts to repeat the newly specified portion.

When you want to restart from the starting point A, press ► during A↔B repeat.

## Playing Tracks in Random Order (Shuffle Play)

When you select Shuffle Play, the player plays all the tracks on the disc in random order.



- 1 Press SHUFFLE in stop mode.
- 2 Press ►.  
Shuffle Play starts.  
"◻" appears while the player is "shuffling" the tracks.  
The player will stop after playing all the tracks once.

#### To resume normal play

Press CONTINUE.

 You can locate tracks during Shuffle Play

Press ◀◀/▶▶.

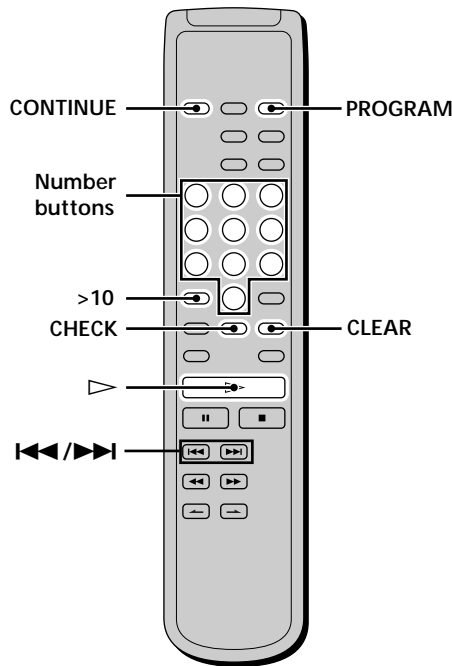
Press ▶▶ to locate the next track or press ◀◀ to locate the beginning of the current track. The player does not go back to tracks which have already been played.

#### Note

When you change the playback area (2 channel/multi channel) or layer (CD/HD) of the Super Audio CD (page 15), Shuffle Play setting is cleared.

# Creating Your Own Program (Program Play)


You can pick out the tracks that you like and specify the playback order in a program containing up to 32 tracks (or 999 min. 59 sec. in total program time).



- 1** Press **PROGRAM** in stop mode.  
"Program" appears in the display.
- 2** Press the number buttons to enter the track number.  
  
If you entered the wrong track number  
Press **CLEAR** to erase the track number and reenter the correct track number using the number buttons.  
  
To select a track number over 11  
Press **>10** (page 20).
- 3** Repeat step 2 to enter other tracks.  
Each time you enter a track number, the total program time appears in the display.
- 4** Press **▷**.  
Program Play starts.

## To resume normal play

Press **CONTINUE**.

 The program remains even after Program Play ends  
Press **▷** to play from the beginning of the program again.  
The program remains even if you stop play.

## Note

If you turn off the player, disconnect the mains lead, press **≡** OPEN/CLOSE, or change the playback area (2 channel/mulch channel) or layer (CD/HD) of the Super Audio CD (page 15), the program will be erased.

## Checking the contents of the program

Before you start playing or while the player is playing, press **CHECK**.

Each time you press the button, the track numbers will appear in the display in the programmed order.

When you press **CHECK** while the player is playing, the track number appears from the next track numbers of the current playing track number.

## Changing the contents of the program

You can change the contents of the program in stop mode.

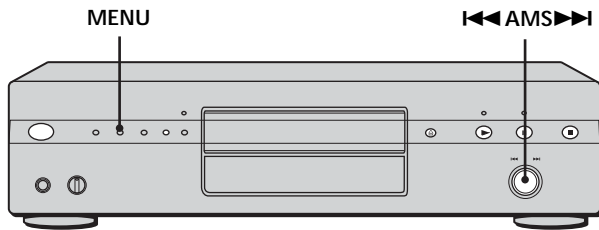
To	Do the following:
Erase a track	1 Press <b>CHECK</b> repeatedly until the track number you want to erase appears. 2 Press <b>CLEAR</b> .
Erase from the last track in the program	Press <b>CLEAR</b> . Each time you press the button, the last track of the program is erased.
Add a track to the end of the program	Press <b>◀◀/▶▶</b> to select the track you want to add, then press <b>PROGRAM</b> . When using the remote, press the number button of the track to be added.
Erase all tracks	Hold down <b>CLEAR</b> or <b>■</b> (for about 2 seconds) until "Prog CLEAR" appears in the display.

## Listening to a CD Using a Filter (Digital Filter Function)

This player is equipped with a digital filter that eliminates noise generated during sampling. By selecting type of filters, you can adjust the sound quality.

You can select "STANDARD" or "OPTION." (The default setting is "STANDARD.")

When the i.LINK indicator is lit  
This function is not available.



- 1 Press MENU.
- 2 Turn I◀◀ AMS ▶▶▶ until "D. FILTER" appears in the display.
- 3 Press I◀◀ AMS ▶▶▶.
- 4 Turn I◀◀ AMS ▶▶▶ until desired filter name ("STANDARD" or "OPTION") appears in the display.
- 5 Press I◀◀ AMS ▶▶▶.  
When you select "OPTION," "FILTER" appears in the display.

### Characteristics of each digital filter

#### STANDARD

Provides a wide frequency range and spatial feeling.

#### OPTION

Provides smooth and powerful sound with clear image position.

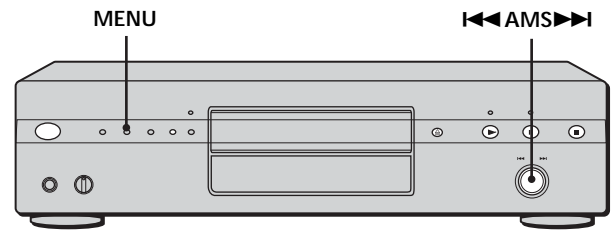
#### Notes

- Digital filters are effective only when you play a conventional CD. You cannot select the digital filter when you play a Super Audio CD.
- According to the disc or connected equipment, there may be no noticeable effect after switching the filter.

## Setting the DIGITAL OUT on/off

You can set the digital out mode to on (the digital signals can be output) or off (the digital signals cannot be output). When you use the DIGITAL (CD) OUT COAXIAL or DIGITAL (CD) OUT OPTICAL connector, set the digital mode to on ("D.OUT ON"). (The default setting is "D.OUT ON.")

When the i.LINK indicator is lit  
This function is not available.



- 1 Press MENU.
- 2 Turn I◀◀ AMS ▶▶▶ until "D. OUTPUT" appears in the display.
- 3 Press I◀◀ AMS ▶▶▶.
- 4 Turn I◀◀ AMS ▶▶▶ until desired digital mode ("D.OUT ON" or "D.OUT OFF") appears in the display.
- 5 Press I◀◀ AMS ▶▶▶.

#### Note

When you play a Super Audio CD, this function does not work and no signal is output from the DIGITAL (CD) OUT connectors.



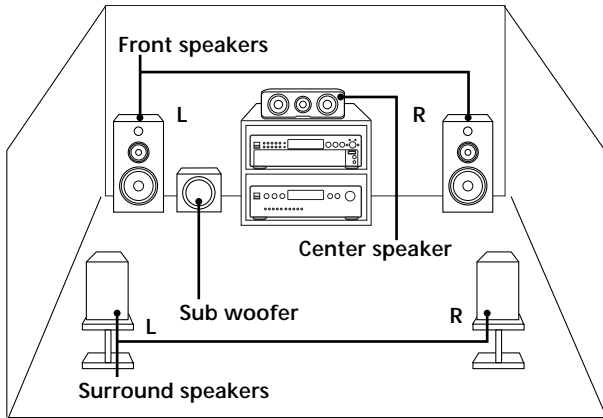
# Listening to a Multi-channel Super Audio CD

## (Multi-channel management function)

This player is equipped with a Multi-channel management function that sets the playback mode of the Super Audio CD by the DSD-DSP (built into the player) according to the layout or size of your speaker.

When the i.LINK indicator is lit  
This function is not available.

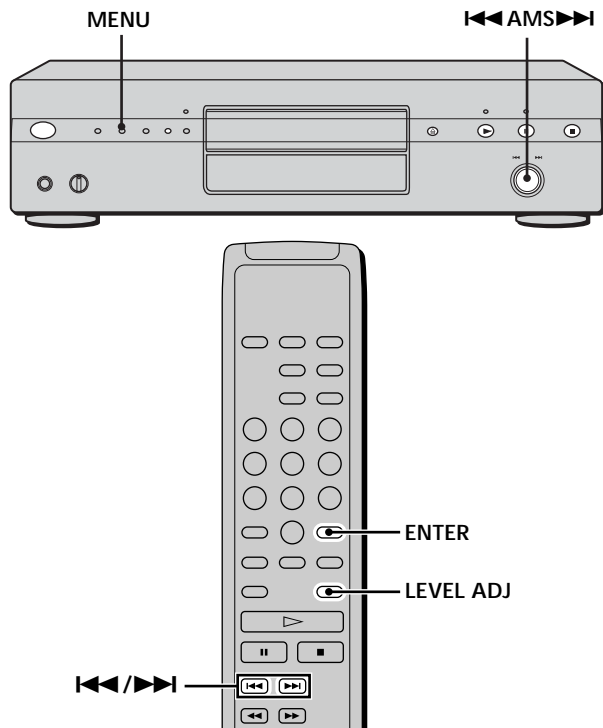
Example of the speaker layout



- To set the Multi-channel management:
- 1 Select the appropriate preset playback mode (2 channel playback or Multi-channel playback).
  - 2 Adjust the output level balance of each speaker (only when you select the Multi-channel playback mode).

### Notes

- This features only work when you play a Super Audio CD.
- You may not be able to adjust the output level balance depending on the speaker layout mode that you selected.



### Selecting 2 channel playback mode

- 1 Press MENU.
- 2 Turn **I◀ AMS ▶I** until "2CH SPK MODE" appears in the display.
- 3 Press **I◀ AMS ▶I**.  
The playback mode appears in the display.

Playback mode	Front speakers	Sub woofer
2CH Direct	Each signal outputs directly from front speakers. No signal outputs from the Sub woofer.	
2CH + SW	○	○

- 4 Turn **I◀ AMS ▶I** until desired mode appears in the display.
- 5 Press **I◀ AMS ▶I**.

### Note

You cannot operate this function when the player is in the CD or Multi-channel playback mode. Operate this function when the player is in the 2 channel Super Audio CD playback mode, the disc tray is opened, or no discs are in the player.

### Selecting Multi-channel playback mode

- 1 Press MENU.
- 2 Turn **I◀ AMS ▶I** until "MCH SPK MODE" appears in the display.
- 3 Press **I◀ AMS ▶I**.  
The playback mode appears in the display.

Playback mode	Front speakers	Center speaker	Surround speakers	Sub woofer
MCH Direct	Each signal outputs directly from each speaker.			
5 - Large + SW	Large	Large	Large	○
5 - Large	Large	Large	Large	--
5 - Small + SW	Small	Small	Small	○
FRT - Large +SW	Large	Small	Small	○
FRT - Large	Large	Small	Small	--
No - CNTR + SW	Large	--	Large	○
No - CNTR	Large	--	Large	--

## About "Large" or "Small" speaker

A "Large" speaker is a speaker that can reproduce bass frequencies plentifully. If you select "Small" for the surround speakers, the bass frequencies will come from the front speakers and/or sub woofer.

For normal use, select "MCH Direct" or set all the speakers to "Large" (ex. "5 - Large + SW," "5 - Large," etc.). If the sound is noisy or the Multi-channel playback is not effective while playing a Multi-channel Super Audio CD, change the settings of the speakers concerned to "Small."

**4** Turn **I◀◀ AMS ▶▶I** until desired mode appears in the display.

**5** Press **I◀◀ AMS ▶▶I**.

To return to the normal display, press MENU.

### Notes

- The Multi-channel management function does not work when you select "MCH Direct" (you cannot set the output level balance of each speaker).
- The front speaker setting is set to "Large" automatically when you set the Sub woofer to "--."
- When you play a track that does not contain the LFE\* signal, the signal for the Sub woofer does not output. Therefore, when you select "MCH Direct," "5 - Large + SW," or "No - CNTR + SW," no signal outputs from the Sub woofer. However, when you select "5 - Small + SW" or "FRT - Large +SW" (when you set the speaker setting to "Small"), the bass frequencies will come from the sub woofer.

\* Low Frequency Enhancement (described as ".1 CH")

## Adjusting the output level balance of each speaker

You can adjust following items with the Multi-channel management function:

### CNTR BALANCE

The relative output level balance between the front speakers (FRONT L/R) and the center speaker (CENTER)

### SURR BALANCE

The relative output level balance between the front speakers (FRONT L/R) and the surround speakers (SURR L/R)

### SW BALANCE

The relative output level balance between the front speakers (FRONT L/R) and the sub woofer (SUB WOOFER)

### Note

Some adjustment may not work depending on the Multi-channel playback mode that you selected.

## Adjusting the output level balance on the front panel of the player

You can adjust the output level balance of each speaker while listening during playback. You can also adjust while listening to the test tone during stop mode.

**1** Press MENU.

**2** Turn **I◀◀ AMS ▶▶I** until "LEVEL ADJUST" appears in the display.

**3** Press **I◀◀ AMS ▶▶I**.

During playback, go to Step 6.

**4** Turn **I◀◀ AMS ▶▶I** until "TONE ON" appears in the display.

**5** Press **I◀◀ AMS ▶▶I**.

The test tone issues from the speakers in sequence with the speaker type appearing in the display.

**6** Turn **I◀◀ AMS ▶▶I** until the desired item appears in the display.

Select the item from "CNTR BALANCE," "SURR BALANCE," or "SW BALANCE."

### Note

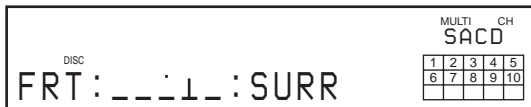
When you set the Sub woofer to "--" in the Multi-channel playback mode (page 25), "SW BALANCE" does not appear. Similarly, "CNTR BALANCE" or "SURR BALANCE" does not appear when you set the corresponding speaker to "--."

**7** Press **◀◀ AMS ▶▶**.

The balance adjustment display appears.  
 In stop mode, the test tone is output from the selected speaker.  
 Example: When you select “SURR BALANCE” during stop mode, the test tone is output from the front speakers and surround speakers.



**8** Turn **◀◀ AMS ▶▶** to adjust the output level.



**9** Press **◀◀ AMS ▶▶**.

The player status returns to Step 6.  
 Repeat Step 6 through 9 for more adjustments.

**10** Press **MENU** after you finish adjusting.

The display returns to the normal display.

**Adjusting the output level from the remote**

You can adjust the output level of each speaker from the listening position by using the supplied remote.

**1** Press **LEVEL ADJ** during playback or stop mode.

During playback, go to Step 4.

**2** Press **◀◀/▶▶** repeatedly until “TONE ON” appears in the display.

**3** Press **ENTER**.

The test tone issues from the speakers in sequence with the speaker type appearing in the display.

**4** Press **◀◀/▶▶** repeatedly until the desired item appears in the display.

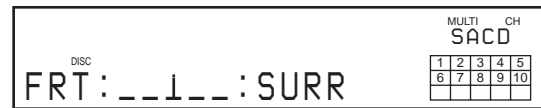
Select the item from “CNTR BALANCE,” “SURR BALANCE,” or “SW BALANCE.”

**Note**

When you set the Sub woofer to “--” in the Multi-channel playback mode (page 25), “SW BALANCE” does not appear. Similarly, “CNTR BALANCE” or “SURR BALANCE” does not appear when you set the corresponding speaker to “--.”

**5** Press **ENTER**.

The balance adjustment display appears.  
 In stop mode, the test tone is output from the selected speaker.  
 Example: When you select “SURR BALANCE” during stop mode, the test tone is output from the front speakers and surround speakers.



**6** Press **◀◀/▶▶** repeatedly to adjust the output level.



**7** Press **ENTER**.

The player status returns to Step 4.  
 Repeat Step 4 through 7 for more adjustments.

**8** Press **LEVEL ADJ** after you finish adjusting.

The display returns to the normal display.

**Note**

If you select a playback mode other than “2CH Direct” or “MCH Direct” using the Multi-channel management function, the sound distribution to the speakers will change, possibly causing a decrease in overall sound volume. If this occurs, adjust the volume with the volume control on the connected amplifier.

**Adjusting the speaker distance**

You can adjust the speaker distance when the connected amplifier does not have the setting menu for speaker distance. If the amplifier has this function, we recommend that you set the speaker distance on the amplifier. This setting is available only for the Multi-Channel Super Audio CD.

**Note**

When you set the speaker distance on this player and the amplifier, both of the setting may work and you may not be able to get the proper result.

**FRT DIST.**

The distance from your listening position to the front speakers

You can adjust from 1.0 meter to 7.0 meters (3 to 23 feet) in 0.1 meter (1 foot) steps.

If both front speakers are not placed an equal distance from your listening position, set the distance to the closest speaker.

**SURR DIST.**

The distance from your listening position to the surround speakers

You can adjust from 1.0 meter to 7.0 meters (3 to 23 feet) in 0.1 meter (1 foot) steps.

If both front speakers are not placed an equal distance from your listening position, set the distance to the closest speaker.

**CNTR DIST.**

The distance from your listening position to the center speaker

You can adjust from 1.0 meter to 7.0 meters (3 to 23 feet) in 0.1 meter (1 foot) steps.

**SUBW DIST.**

The distance from your listening position to the sub woofer

You can adjust from 1.0 meter to 7.0 meters (3 to 23 feet) in 0.1 meter (1 foot) steps.

**DIST. UNIT**

The unit of measure for setting distances (meter or feet)  
The initial setting is “feet” for the North American model and “meter” for the European model.

**Note**

Speaker distance cannot be adjusted in the following cases.

- When the player is reading the disc information of CD (or the CD area of Super Audio CD)
- When the player is reading the 2 channel area of Super Audio CD
- When the i.LINK indicator is lit

- 1 Press MENU.
- 2 Turn **◀◀ AMS ▶▶** until “SPK DISTANCE” appears in the display.
- 3 Press **◀◀ AMS ▶▶**.
- 4 Turn **◀◀ AMS ▶▶** until the desired item appears in the display.  
Select the item from “FRT DIST.,” “SURR DIST.,” “CNTR DIST.” or “SUBW DIST.”

**Note**

When you set the Sub woofer to “--” in the Multi-channel playback mode (page 25), “SUBW DIST.” cannot be adjusted (“Not In Use” appears). Similarly, “CNTR DIST.” cannot be adjusted (“Not In Use” appears) when you set the corresponding speaker to “--.”

- 5 Press **◀◀ AMS ▶▶**.  
The speaker distance adjustment display appears.  
Example: When you select “SURR DIST.” (with “DIST. UNIT” set to “meter”).



- 6 Turn **◀◀ AMS ▶▶** to adjust the speaker distance.



- 7 Press **◀◀ AMS ▶▶**.  
The player status returns to Step 4.  
Repeat Step 4 through 7 for more adjustments.
- 8 Press MENU after you finish adjusting.  
The display returns to the normal display.

**Selecting the distance unit**

In Step 4 above, select “DIST. UNIT”.  
Turn **◀◀ AMS ▶▶** to select “meter” or “feet”, then press **◀◀ AMS ▶▶**.

**Setting speaker distances back to the default**

Set all speaker distances to 3 meters (10 feet).

# Additional Information

This chapter provides additional information that will help you understand and maintain your Super Audio CD player.

---

## 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.
- AC power cord must be changed only at the qualified service shop.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.

### 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 mains as long as it is attached to the mains, 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 mains. To disconnect the mains lead, grasp the plug itself; never pull the cord.

### 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.
- During power on, some noise may be heard while the disc is being loaded into the Super Audio CD player. This is not a malfunction.

### On adjusting the volume

- Do not turn up the volume too much 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.

## Precautions

### On inserting a disc

- You may hear a transmission or a mechanical sound from the player. This indicates that the player is automatically adjusting its internal mechanisms according to the inserted disc. You may also hear the mechanical sound from the player when you insert a warped disc.

### 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.

### On transportation

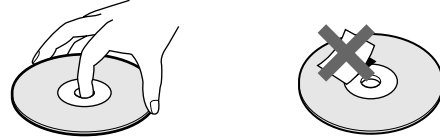
- Be sure to remove the disc on the tray.
- Be sure to close the disc tray.

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

## Notes on Discs

### On handling discs

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



- Use only round-shaped discs. If you use a special shaped disc (e.g., star-shaped, heart-shaped, or square-shaped, etc.), the player may be damaged.
- Do not use a disc with a seal attached on such as on a used disc or rental disc.

### On keeping discs

- Do not expose the disc to direct sunlight or heat sources such as hot air ducts.
- After playing, store the disc in its case. If you put it on top of another disc without the case, the disc may be damaged.

### On placing discs on the disc tray

- Make sure the disc is positioned securely on the tray. If not, the player or the disc may be damaged.

### On cleaning

- If the disc is dirty with fingerprints or dust, it may lessen the quality of the audio out.
- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the centre out.



- Clean the disc with a soft cloth slightly moistened with water, and remove moisture with a dry cloth.
- Do not use solvents such as benzine, thinner, record cleaners, or anti-static spray.

### Notes on CD-R/CD-RW playback

- Discs recorded on CD-R/CD-RW drives may not be played back because of scratches, dirt, recording condition, or the drive's characteristics. Besides, the discs, which are not yet finalized at the end of recording, cannot be played back.

### Music discs encoded with copyright protection technologies

This product is designed to playback discs that conform to the Compact Disc (CD) standard.

Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

# 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 is no sound from the i.LINK S200 AUDIO OUT jack.

Is the i.LINK component selected by the input selector on the connected amplifier?

- ➔ Make sure the i.LINK component is selected by the input selector on the connected amplifier. Refer to the Operating Instructions supplied with the amplifier.

Is the i.LINK function turned on?

- ➔ See page 16. Press i.LINK to output signals from the i.LINK S200 AUDIO OUT jack. When the i.LINK function is on, i.LINK indicator lights up.

Is the i.LINK cord connected correctly?

- ➔ Check the connection and connect the cord firmly.

Is the correct i.LINK cord used?

- ➔ Make sure you use the i.LINK cord compatible with i.LINK S200 (less than 3.5 meters).

Is the connection to the i.LINK component verified?

- ➔ See page 7. Refer to the Operating Instructions supplied with the component.

Are several i.LINK components connected?

- ➔ There may be no sound when several i.LINK components are connected.

There is no sound when beginning the playback.

- ➔ According to the copy protection technology, no sound is output while components are establishing LINC.

## There is no sound from the ANALOG OUT jacks.

Is the i.LINK function turned on?

- ➔ When the i.LINK function is on, no sound is output from the ANALOG OUT jacks. Press i.LINK to turn off the i.LINK indicator.

Is the input selector on the amplifier correctly set?

- ➔ Set the input selector on the amplifier correctly to output the sound from this player.
- ➔ Make sure this player is connected to the correct input jacks on the amplifier.

Is the connecting cord connected correctly?

- ➔ Check the connection and connect the cord firmly.

## There is no sound from the DIGITAL (CD) OUT connectors.

Is the i.LINK function turned on?

- ➔ When the i.LINK function is on, no sound is output from the DIGITAL (CD) OUT jacks. Press i.LINK to turn off the i.LINK indicator.

Is a Super Audio CD played back?

- ➔ The audio signals of the Super Audio CD cannot be output from the DIGITAL (CD) OUT connectors.

Is "D. OUTPUT" in the menu set to "Off"?

- ➔ Set "D. OUTPUT" to "On" (see page 24).

## There is no sound from the SUB WOOFER jack.

Do you select a playback mode which has subwoofer output?

- ➔ Select the playback mode so that the Sub woofer is set to "O" (see page 25).

Do you play a disc which contains the LFE signal?

- ➔ When you play a track that does not contain the LFE signal, the signal outputs from the SUB WOOFER jack only when you select "5 - Small + SW" or "FRT - Large + SW" for the Multi-channel playback mode (see page 25).

## There is no sound from the headphones.

Is the i.LINK function turned on?

- ➔ When the i.LINK function is on, no sound is output from the PHONES jack. Use the headphones output on your amplifier.

## The disc does not play.

Is a correct disc inserted?

- ➔ Make sure there is a disc inside the player.
- ➔ Make sure the disc is not placed upside down on the tray. Place the disc on the disc tray with the label side up.
- ➔ If the disc is placed at an angle, reload the disc.
- ➔ If the disc is dirty, clean the disc (see page 30).
- ➔ Make sure the disc is compatible with this player (see page 15).

Moisture has condensed inside the player.

- ➔ Remove the disc and leave the player turned on for about an hour.

## The remote does not function.

Are there any obstacles in the path of the remote and the player?

- ➔ Use the remote from the location you can see this player.

The remote is not pointed at the remote sensor on the player.

- ➔ Point the remote at the remote sensor on the player.

Are the batteries in the remote weak?

- ➔ Replace with new batteries.

## Display Messages

The following table explains the various messages that appear in the display.

Message	Error code(s)	Cause and/or remedy
TOC ERROR	—	An incompatible disc is inserted.
BUS FULL	C78:15	The signal bus within the i.LINK configuration is full and no more signals can be output from the player. Cancel the LINC between the component and this player.

## Specifications

### When a super audio CD is played

Playing frequency range	2 Hz to 100 kHz
Frequency response	2 Hz to 50 kHz (-3 dB)
Dynamic range	108 dB or more
Total harmonic distortion rate	0.0012 % or less
Wow and flutter	Value of measurable limit ( $\pm 0.001$ % W. PEAK) or less

### When a CD is played

Frequency response	2 Hz to 20 kHz
Dynamic range	100 dB or more
Total harmonic distortion rate	0.0017 % or less
Wow and flutter	Value of measurable limit ( $\pm 0.001$ % W. PEAK) or less

### Output connector

	Jack type	Output level	Load impedance
ANALOG OUT	Phono jacks	2 Vrms (at 50 kilohms)	Over 10 kilohms
DIGITAL (CD) OUT OPTICAL*	Square optical output connector	-18 dBm	(Light emitting wave length: 660 nm)
DIGITAL (CD) OUT COAXIAL*	Coaxial output connector	0.5 Vp-p	75 ohms
PHONES	Stereo phone jack	10 mW	32 ohms

\*Output only the audio signals of the CD

### i.LINK section

Pin	4 pins
Transmission speed	S200 (Maximum data transmission speed 200 Mbps)
Transmission protocol	A/M transmission protocol
Format (output)	Super Audio CD* (DSD PLAIN) 2 channel linear PCM (IEC 60958-3) Sampling frequency: 44.1 kHz

\* Conforms to the copy protection technology of DTLA (Revision 1.2).



## General

**Laser** Semiconductor laser  
(SA-CD:  $\lambda = 650$  nm)  
(CD:  $\lambda = 780$  nm)  
Emission duration: continuous

**Laser radiant power:** 5.47  $\mu$ W at 650 nm

\*These output is the value measured at a distance of about 200mm from the objective lens surface on the optical pick-up.

**Power requirements** Taiwanese model:  
110 V AC, 60 Hz  
North American model:  
120 V AC, 60 Hz  
Other models:  
230 V AC, 50/60 Hz

**Power consumption** 32 W

**Dimensions (w/h/d)** 430  $\times$  127  $\times$  387 mm  
(17  $\times$  5  $\times$  15  $\frac{1}{4}$  in.)  
incl. projecting parts

**Mass (approx.)** 16.2 kg (35 lbs 12 oz.)

## Supplied accessories

See page 4.

Design and specifications are subject to change without notice.

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## 警告

### 為防火災或觸電危險，請勿將機器暴露於雨中或潮濕處。

為防火災，請別在裝置的通風孔上蓋住報紙，餐巾，窗簾等。也別點著蠟燭放在裝置上。

為防火災或觸電危險，不可在裝置上擺飾花瓶等滿裝液體的物體。



本設備被分類為一級雷射（CLASS 1 LASER）產品。此標籤位於機器背面。



電池，不可和一般家庭垃圾一起丟棄。必須當化學廢物適當地加以處理。



廢電池請回收

## 鳴謝惠顧！

感謝購買 Sony 超級音訊 CD 唱機。操作本設備之前，請通讀本使用說明書並妥善保管以備後用。

## 關於本使用說明書

本使用說明書中的說明適用於 SCD-XA9000ES。

### 約定

- 本使用說明書中的說明描述唱機上的控制按鈕。  
如果遙控器上的控制按鈕與唱機上的控制按鈕名稱相同或相似，也可以使用遙控器上的控制按鈕。
- 在本使用說明書中使用以下圖示：



表示可以使用遙控器執行任務。



表示使任務執行起來更簡單的提示和技巧。

## 關於超級音訊 CD

- 超級音訊 CD 是一種全新的高質量音訊光碟標準，在該標準中音樂以 DSD（直接位元流數位）格式錄製（傳統 CD 以 PCM 格式錄製）。DSD 格式使用高於傳統 CD 64 倍的採樣頻率，帶有 1 位元的量化，在可聽頻率範圍內實現寬廣的頻率範圍以及寬廣的動態範圍，並對原始聲音提供非常真實的音樂再現。
- 超級音訊 CD 有兩種類型：2 聲道立體聲光碟和支持最多 6 個獨立聲道的多聲道光碟。超級音訊 CD 的多聲道特性擁有揚聲器配置系統，基本類似於當前 AV 系統的 5.1 聲道輸出。

## 唱機功能

本唱機設計為播放 2 聲道和多聲道超級音訊 CD、傳統 CD 設計，並提供以下功能：

- 安裝分離式雙雷射光學拾音器後，可以根據唯一波長讀取超級音訊 CD 或傳統 CD。
- 高級伺服系統可實現更快的樂曲存取性能。
- 多聲道管理功能允許根據揚聲器的配置和尺寸調節多聲道播放環境。
- 超級音訊數位/類比轉換器和直接數位同步系統實現高質量聲音再現。
- i.LINK 數位傳輸系統提供高質量聲音，並允許使用 1 條 i.LINK 線代替 6 針引線進行連接。
- 本唱機遵照 DTLA 拷貝保護技術（版本 1.2）設計。

## 其他

- 超級音訊 CD 最多可標記 255 個樂曲/索引號數。本功能用於 SCD-XA9000ES。
- 隨附的遙控器可控制 SCD-XA9000ES 和傳統 Sony CD 唱機。

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# 準備工作

本章提供關於隨機附件以及如何將各種音訊元件連接到超級音訊 CD 唱機上的資訊。在實際連接任何元件到唱機上之前，請確保已經通讀本章。


## 在連接之前

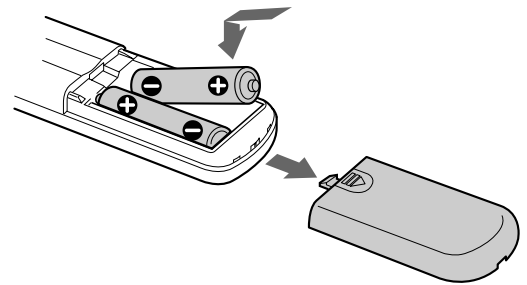
### 檢查隨機附件

本唱機隨附以下物品：

- 音訊連接線
  - 音響插頭 × 2 (紅色和白色) ↔ 音響插頭 × 2 (紅色和白色) (3)
  - 音響插頭 × 1 (黑色) ↔ 音響插頭 × 1 (黑色) (2)
- i.LINK 連接線 (1)
- 遙控器 RM-SX700 (1)
- AA(R6) 型號電池 (2)
- AC 電源線 (1)
- 插頭配接器 (1) (僅限北美型號)

### 插入電池到遙控器

正確定位 + 和 -，將兩節 AA(R6) 型號的電池插入到電池座。當使用遙控器時，請將遙控器指向唱機上的遙控感應器 。



### 何時更換電池

正常情況下，電池應該可以使用大約 6 個月。當遙控器不能再操作唱機時，請使用兩節新電池來更換舊電池。

### 註

- 切勿將遙控器放置在極熱或潮濕的地方。
- 切勿將異物掉入遙控器內部，尤其是在更換電池時。
- 切勿新舊電池混用。
- 切勿將遙控感應器暴露於直射陽光或照明設備下。否則，可能導致故障。
- 如果長時間不使用遙控器，請將電池取出，以防電池漏液或腐蝕所可能產生的損壞。

## 連接音訊元件

請將超級音訊 CD 唱機連接到音訊元件。在連接之前請務必關閉所有元件的電源，並牢固連接以免產生噪音。

如果擁有帶 5.1 聲道輸入插孔的放大器（多聲道放大器、AV 放大器等），並且通過 ANALOG 5.1CH OUT 插孔連接唱機和放大器，就可以播放多聲道超級音訊 CD 並欣賞多聲道播放。

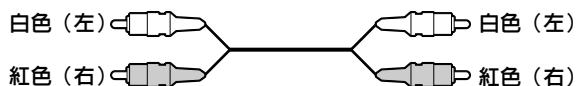
對於正常播放，請通過 ANALOG 2CH OUT 插孔連接唱機和放大器。

### 通過 ANALOG 5.1CH OUT 插孔連接

本連接請使用音訊連接線。請將 ANALOG 5.1CH OUT 插孔 (FRONT L/R、SURR L/R、CENTER、SUB WOOFER) 連接到放大器上相關的插孔。對於 FRONT 或 SURR 連接，請使用連接線（紅色和白色插頭），並務必將標色的插頭匹配到相應的插孔：白色（左）對白色以及紅色（右）對紅色。對於 CENTER 和 SUB WOOFER 連接，請使用連接線（黑色）。

### FRONT 或 SURR 連接

音訊連接線（紅色和白色）（隨機附件）



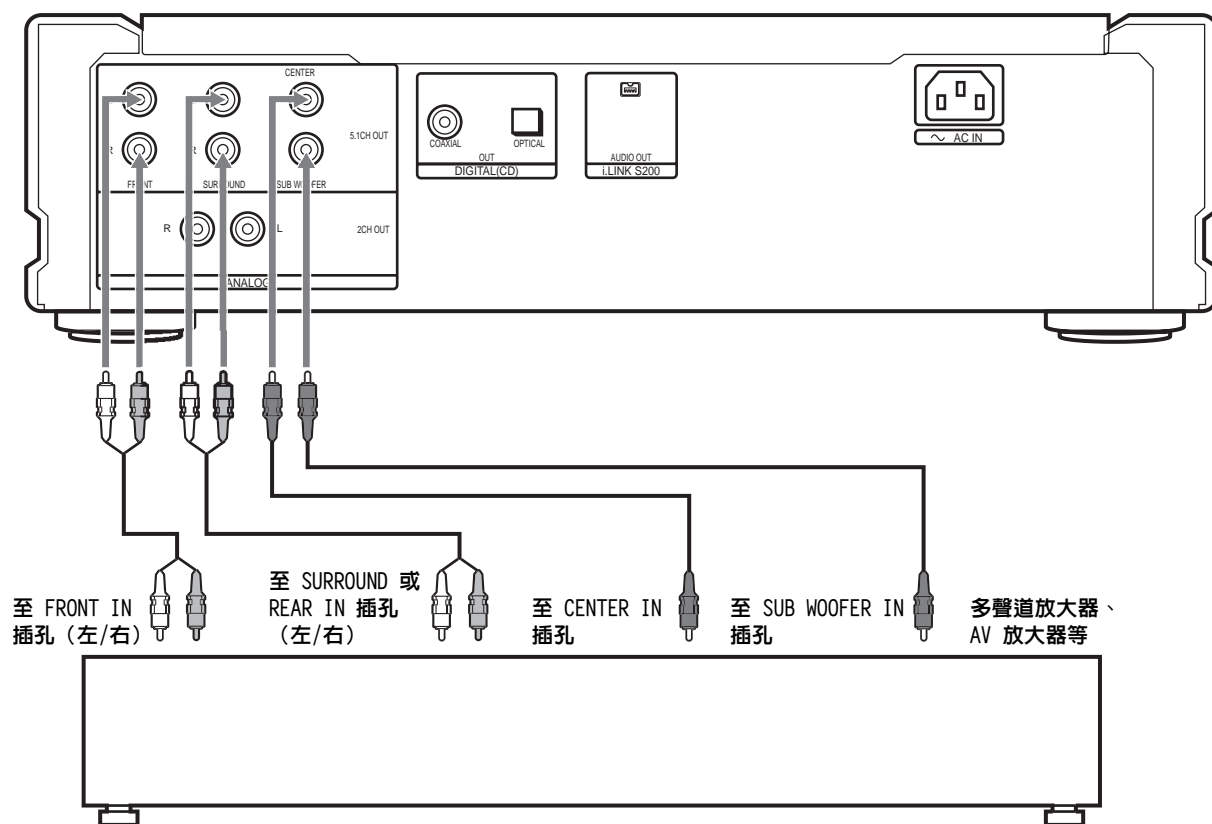
### CENTER 或 SUB WOOFER 連接

音訊連接線（黑色）（隨機附件）



### 註

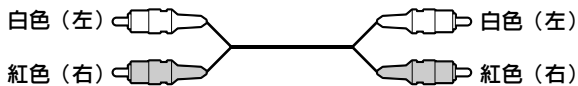
- 即使進行多聲道連接，也請務必使用另一根音訊連接線連接 ANALOG 2CH OUT 插孔，以便在將放大器的輸入選擇器設定到 CD（或 SACD）輸入時可以播放 CD（或 SACD）。
- 在播放傳統 CD 或 2 聲道超級音訊 CD 時，從 ANALOG 5.1CH FRONT L/R 插孔和 ANALOG 2CH OUT 插孔輸出相同的信號。從 ANALOG 2CH OUT 插孔輸出的信號質量更高（請參閱第 9 頁）。
- 在播放多聲道超級音訊 CD 時，從 ANALOG 5.1CH FRONT L/R 插孔和 ANALOG 2CH OUT 插孔輸出相同的信號。（不播放多聲道信號中的降混頻信號。）
- 超級音訊 CD 有 5 聲道、4 聲道和 3 聲道。當播放這些光碟時，並不是所有的 ANALOG 5.1CH OUT 插孔都輸出信號。有關播放，請參閱超級音訊 CD 的封面或說明。



通過 ANALOG 2CH OUT 插孔連接

本連接使用音訊連接線。請將 ANALOG 2CH OUT L/R 插孔連接到放大器的 CD (SACD) 輸入插孔。務必將標色的插頭匹配到相應的插孔：白色 (左) 對白色以及紅色 (右) 對紅色。

音訊連接線 (紅色和白色) (隨機附件)



註

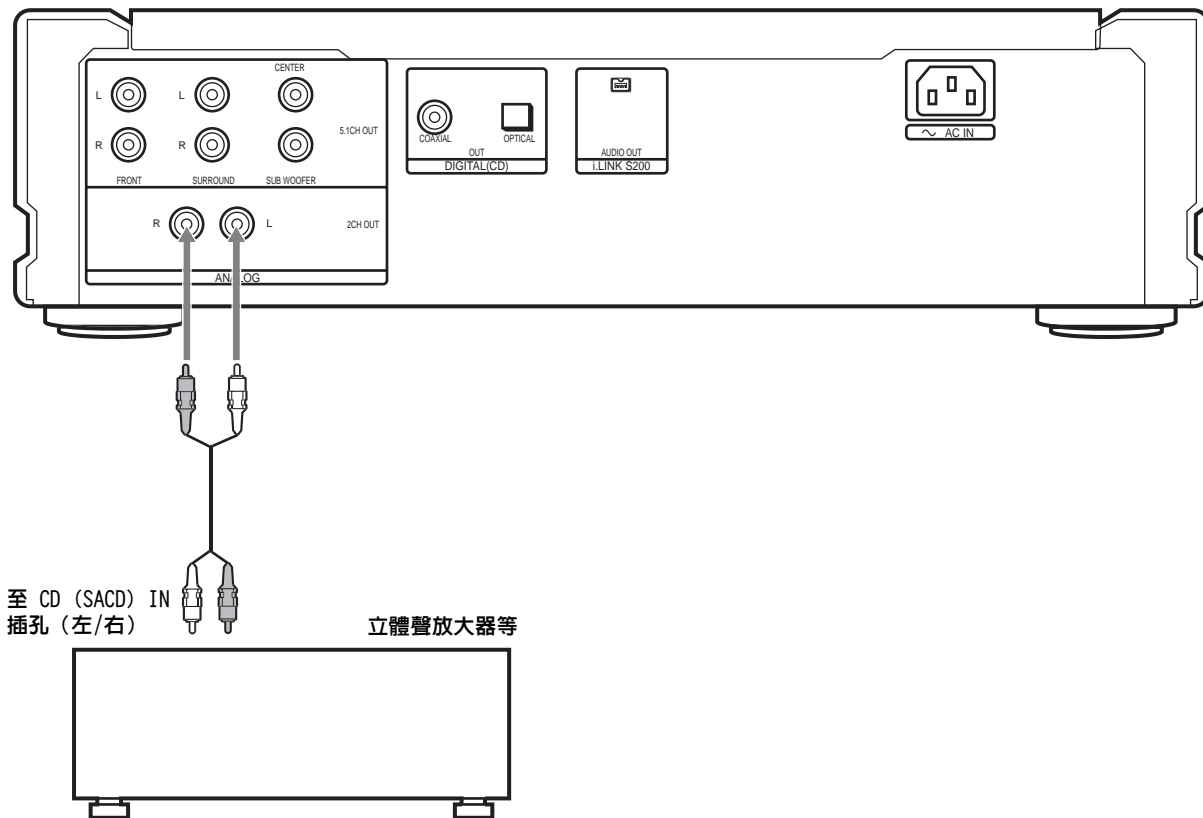
在播放多聲道超級音訊 CD 時，從 ANALOG 5.1CH FRONT L/R 插孔和 ANALOG 2CH OUT 插孔輸出相同的信號。(不播放多聲道信號中的降混頻信號。)

關於 ANALOG 2CH OUT

當播放傳統 CD 或 2 聲道超級音訊 CD 時，立體聲信號傳輸到 FRONT、SURROUND 和 CENTER/SUB WOOFER 數位/類比轉換器，經過數位/類比轉換後組合每個信號，然後組合的信號從 2CH OUT 插孔輸出。

由於每個數位信號通過 3 個轉換器轉換為類比信號，此系統增強了訊噪比，提供信號的 3 次增加，而噪音僅有 3 次增加。因而可從 ANALOG 2CH OUT 插孔輸出高質量的信號。

在播放多聲道超級音訊 CD 時，不進行上述信號轉換，而是從 ANALOG 5.1CH FRONT L/R 插孔和 ANALOG 2CH OUT 插孔輸出相同的信號。(不播放多聲道信號中的降混頻信號。)





## 通過 i.LINK S200 AUDIO OUT 插孔連接

使用隨附的 i.LINK 連接線將 SCD-XA9000ES 連接到 STR-DA9000ES/TA-DA9000ES。

### i.LINK 連接線 (隨機附件)



#### 註

- i.LINK 連接僅限於本唱機和 STR-DA9000ES/TA-DA9000ES 之間。本唱機對 i.LINK 功能有一些限制，如果連接到非 STR-DA9000ES/TA-DA9000ES 元件時可能不能正確操作。
- 如果金屬物體掉落到 i.LINK S200 AUDIO OUT 插孔，可能發生短路並損壞元件。
- 務必將插頭牢固插入以防發生故障。
- 有關相容信號的資訊，請參閱第 32 頁。
- 某些 i.LINK 元件遵照拷貝保護技術並可處理加密信號。本唱機遵照 DTLA 拷貝保護技術設計 (版本 1.2)。
- 當本唱機準備從 i.LINK S200 AUDIO OUT 插孔輸出音訊信號時，“i.LINK”在顯示屏上點亮。

## 創建 LINC

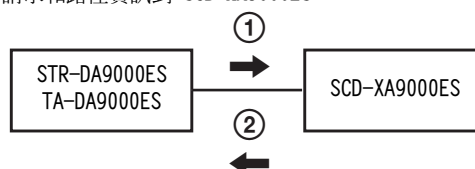
在 i.LINK 元件之間傳輸音訊信號之前，必須首先在 (音訊信號的) 接收元件和發送元件之間創建 LINC (邏輯接口連接)。

創建一個 LINC 意味著為兩個元件之間的數位音訊信號的傳輸建立一條邏輯路徑。每個邏輯路徑都有一個 ID 號。由於發送音訊信號的元件必須將信號輸出到一個路徑，並且接收信號的元件必須從相同的路徑輸入信號，因此兩個元件必須都知道該路徑。在創建 LINC 時，在兩個 i.LINK 元件之間進行以下通訊。

#### 實例

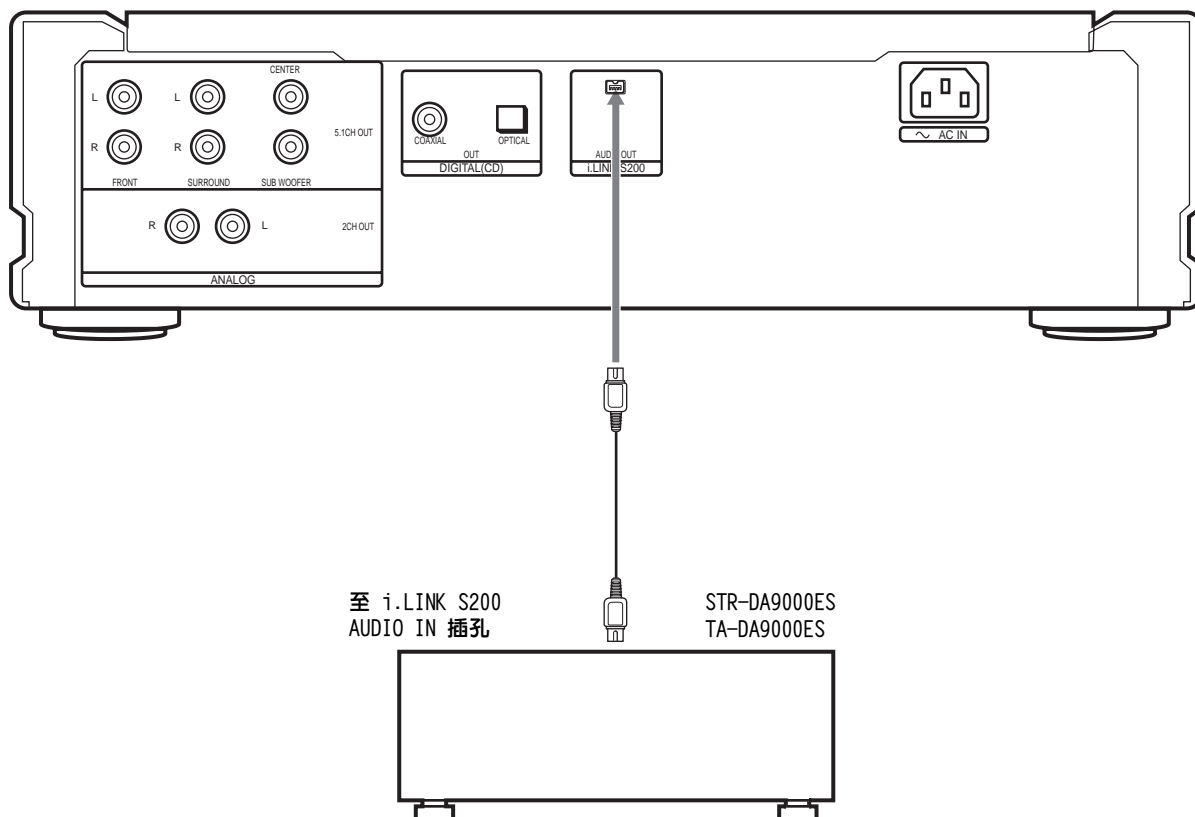
STR-DA9000ES/TA-DA9000ES 和 SCD-XA9000ES 之間創建 LINC。

- ① STR-DA9000ES/TA-DA9000ES 發送一個為音訊信號建立傳輸路徑的請求和路徑資訊到 SCD-XA9000ES。



- ② SCD-XA9000ES 回應 STR-DA9000ES/TA-DA9000ES，同意創建 LINC。

僅在進行上述通訊並且創建 LINC 之後，數位音訊信號傳輸才有可能。



### 使用高保真 H.A.T.S. (高質量數位音訊傳輸系統) 功能聆聽

當 STR-DA9000ES/TA-DA9000ES 的 H.A.T.S. 功能為“ON”時，數位音訊信號暫時保存在緩衝區，然後在轉換為類比信號之前使用準確定時讀取。這可以消除在數位信號傳輸時某些時候產生的信號不穩定（定時偏離），大大提高聲音質量。

當打開本功能時，無論何時將數位音訊信號輸入到接收元件，“H.A.T.S.”在 STR-DA9000ES/TA-DA9000ES 的顯示屏上點亮。當沒有使用本功能時，請將 STR-DA9000ES/TA-DA9000ES 的 H.A.T.S. 功能設為“OFF”。有關詳情，請參閱 STR-DA9000ES/TA-DA9000ES 隨附的操作說明書。

#### 註

- 由於 H.A.T.S. 功能操作的方式，在每個操作（如按播放、停止、暫停）和執行之間產生輕微的時間滯後。滯後的時間因 CD 源和超級音訊 CD 源不同而異。
- H.A.T.S. 功能僅作用於和 H.A.T.S. 相容的元件。
- 只有當單個 STR-DA9000ES/TA-DA9000ES 選擇本唱機作為輸入源時，H.A.T.S. 功能起作用。這是因為接收元件（STR-DA9000ES/TA-DA9000ES）控制從本唱機輸出的數位音訊信號傳輸速率。為了確保 i.LINK 配置中正確的信號傳輸，僅一個元件可以從源元件接收數位音訊信號。

### 版權

i.LINK 元件遵照包含數位資料拷貝保護技術的版權保護。其中之一技術是由 Copy Protection Technical Working Group 認可的 DTLA (The Digital Transmission Licensing Administrator)。在遵照 DTLA 拷貝保護技術的元件之間，不能使用 i.LINK 信號進行拷貝限制數位資料（視訊/音訊/資料）的數位拷貝。另外，在遵照 DTLA 拷貝保護技術的 i.LINK 元件和未遵照 DTLA 拷貝保護技術的 i.LINK 元件之間，也不能通過 i.LINK 進行數位資料傳輸（視訊/音訊/資料）。

- i.LINK 參照 IEEE 1394-1995 和 IEEE 1394a-2000 設計。i.LINK 和 i.LINK 標識“i”是 Sony 公司的商標。

### 通過 DIGITAL (CD) OUT OPTICAL 連接器連接

本連接使用光學數位電纜。當將光學數位電纜連接到 DIGITAL (CD) OUT OPTICAL 連接器時，請將蓋子從連接器取下並將電纜插頭插入，直到“卡嗒”一聲到位。小心不要彎曲或扭曲光纜。

#### 光學數位電纜 (未隨附)



#### 註

僅傳統 CD 的音訊信號可從 DIGITAL (CD) OUT 連接器輸出。超級音訊 CD 的音訊信號不能通過 DIGITAL (CD) OUT 連接器輸出。

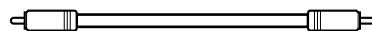
#### 當 i.LINK 指示燈點亮時

沒有信號從 DIGITAL (CD) OUT OPTICAL 連接器輸出。

### 通過 DIGITAL (CD) OUT COAXIAL 連接器連接

使用同軸數位電纜連接配備同軸數位輸入連接器的音訊元件。

#### 同軸數位電纜 (未隨附)



#### 註

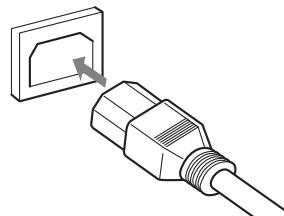
僅傳統 CD 的音訊信號可從 DIGITAL (CD) OUT 連接器輸出。超級音訊 CD 的音訊信號不能通過 DIGITAL (CD) OUT 連接器輸出。

#### 當 i.LINK 指示燈點亮時

沒有信號從 DIGITAL (CD) OUT COAXIAL 連接器輸出。

### 連接 AC 電源線

將隨附的 AC 電源線連接到唱機的 AC IN 端子和市電。



## 關於輸出插孔的注意事項

本唱機配備有三倍動力數位/類比轉換器系統和多聲道管理功能。可用的輸出設定視下面所選擇的模式而異。有關詳情，請參閱操作說明書。

源	多聲道管理	2CH OUT 插孔	5.1CH OUT 插孔	PHONES 插孔	DIGITAL (CD) OUT 插孔
CD	不可用	○ <sup>*1</sup>	○	○ <sup>*1</sup>	○ <sup>*3</sup>
超級音訊 (2 聲道)	直接	○ <sup>*1</sup>	○	○ <sup>*1</sup>	×
	2ch + SW	○	○	○	×
超級音訊 (多聲道)	所有播放模式 均可用	○ <sup>*2</sup>	○	○ <sup>*2</sup>	×

\*<sup>1</sup>通過三倍動力數位/類比轉換器輸出。

\*<sup>2</sup>輸出和 ANALOG 5.1CH OUT FRONT L/R 插孔輸出的相同的信號。

\*<sup>3</sup>僅當“D.OUTPUT”設為“ON”（第 24 頁）時。

### 註

三倍動力數位/類比轉換器系統僅對來自 2CH OUT 插孔的 2 聲道信號起作用。

### 當 i.LINK 指示燈點亮時

- 沒有信號從其他插孔（ANALOG 2CH OUT 插孔、ANALOG 5.1CH OUT 插孔、PHONES 插孔、DIGITAL (CD) OUT 插孔）輸出。
- 多聲道管理功能不起作用。


### 當在 i.LINK 指示燈點亮時想通過耳機聆聽聲音

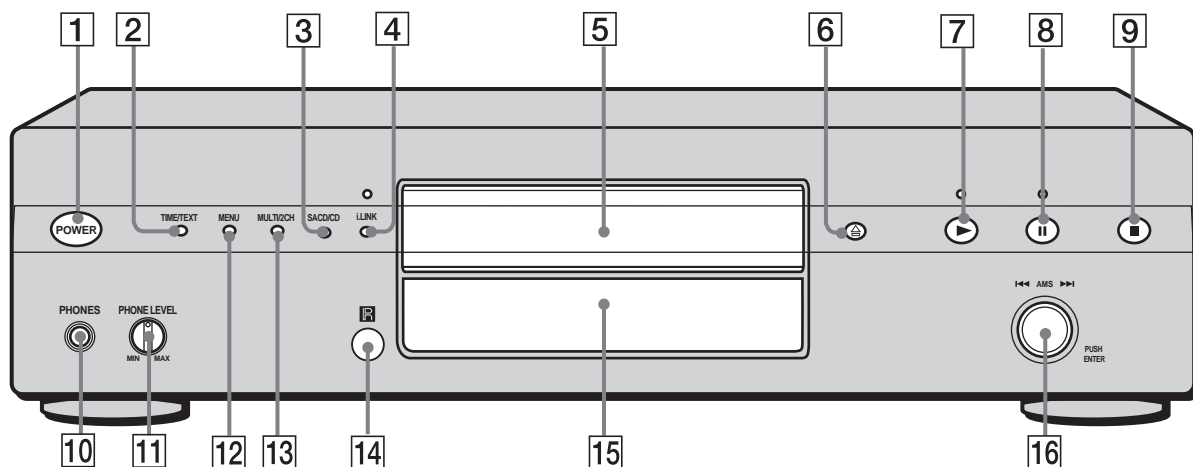
請將耳機連接到放大器（不是本唱機）上的 PHONES 插孔。

# 組件的位置和 功能

本章描述前面板、後面板和隨附的遙控器上的各種按鈕和控制器的位置和功能。括號內指示的頁碼提供更多的詳情。本章還描述出現在顯示窗中的資訊。

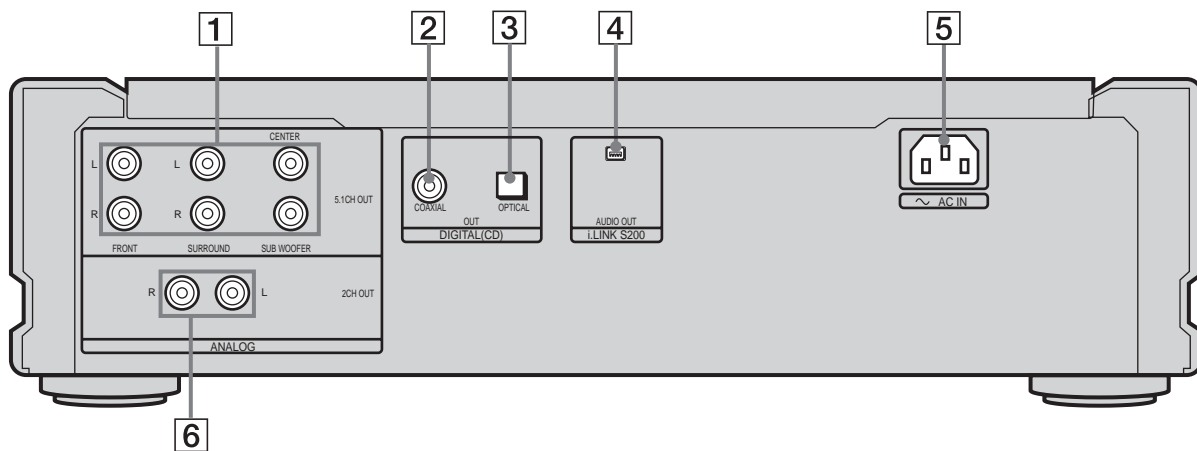
## 前面板組件的描述

- 1 POWER 開關 (16)**  
按此開關打開唱機。
- 2 TIME/TEXT 按鈕 (17)**  
每次按此按鈕，樂曲的播放時間、光碟上的總剩餘時間或 TEXT 資訊出現在顯示屏上。
- 3 SACD/CD 按鈕 (16)**  
播放混合光碟時，每次按此按鈕，播放的層在 HD（超級音訊 CD）層和 CD 層之間切換。
- 4 i.LINK 按鈕 (16)**  
每次按此按鈕，i.LINK 功能打開或關閉。  
**i.LINK 指示燈 (16)**  
當使用 i.LINK 功能時點亮。
- 5 光碟托盤 (16)**  
按  OPEN/CLOSE 打開或關閉光碟托盤。



- 6** 合 OPEN/CLOSE 按鈕 (16)  
按此按鈕打開或關閉光碟托盤。
- 7** ▶ 按鈕 (16)  
按此按鈕開始播放。  
▶ 指示燈 (16)  
播放時點亮。
- 8** || 按鈕 (16)  
按此按鈕暫停播放。  
|| 指示燈 (16)  
暫停時點亮。
- 9** ■ 按鈕 (16)  
按此按鈕停止播放。
- 10** PHONES  
連接耳機。  
播放多聲道超級音訊 CD 時，和 ANALOG 5.1CH FRONT L/R 插孔輸出的相同的信號從 PHONES 插孔輸出。
- 11** PHONE LEVEL  
調節耳機音量。
- 12** MENU (15, 26-28)  
按此按鈕進入功能表。  
按此按鈕從功能表中退出並返回到正常顯示。
- 13** MULTI/2CH 按鈕 (16)  
當裝載 2 聲道 + 多聲道超級音訊 CD (第 15 頁) 時，按此按鈕選擇播放區。
- 14** 遙控感應器
- 15** 顯示窗 (17)  
顯示各種資訊。
- 16** ◀◀ AMS ▶▶ 轉盤 (AMS: 自動音樂感應器) (20)  
當按一下 ◀◀ AMS ▶▶ 轉盤使其逆時針旋轉時，可以返回到先前的樂曲；當按一下 ◀◀ AMS ▶▶ 轉盤使其順時針旋轉時，可以跳到隨後的樂曲。

## 後面板組件的描述



- 1** ANALOG 5.1CH OUT 插孔 (5)  
使用音訊連接線連接到配備 5.1 聲道輸入插孔的放大器（多聲道放大器、AV 放大器等）。
- 2** DIGITAL (CD) OUT COAXIAL 連接器 (8)  
使用同軸數位電纜連接到音訊元件。
- 3** DIGITAL (CD) OUT OPTICAL 連接器 (8)  
使用光學數位電纜連接到音訊元件。
- 4** i.LINK S200 AUDIO OUT 插孔 (7)  
使用 i.LINK 連接線連接到 STR-DA9000ES/  
TA-DA9000ES。
- 5** AC IN 端子 (9)  
連接 AC 電源線。
- 6** ANALOG 2CH OUT L/R 插孔 (6)  
使用音訊連接線連接到音訊元件（立體聲／2 聲道）。

### 註

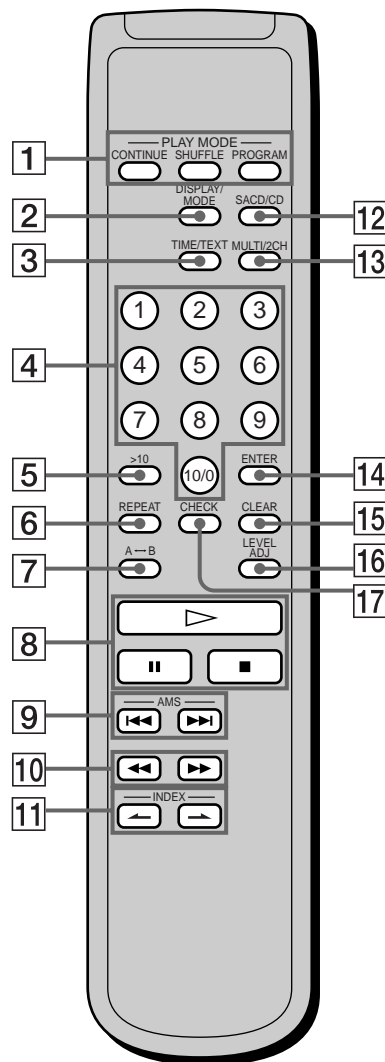
僅 CD 的音訊信號可以從顯示在 2 和 3 中的 DIGITAL (CD) OUT 連接器輸出。超級音訊 CD 的音訊信號不能通過 DIGITAL (CD) OUT 連接器輸出。

### 當 i.LINK 指示燈點亮時

沒有信號從其他插孔（ANALOG 2CH OUT 插孔、ANALOG 5.1CH OUT 插孔、PHONES 插孔、DIGITAL (CD) OUT 插孔）輸出。

## 遙控器組件的描述

- 1 CONTINUE 按鈕 (22)  
按此按鈕從隨機播放或程式播放返回到正常播放。
- SHUFFLE 按鈕 (22)  
按此按鈕選擇隨機播放。
- PROGRAM 按鈕 (23)  
按此按鈕選擇程式播放。
- 2 DISPLAY MODE 按鈕 (18)  
按此按鈕打開或關閉資訊顯示。
- 3 TIME/TEXT 按鈕 (17)  
每次按此按鈕，樂曲的播放時間、光碟上的總剩餘時間或 TEXT 資訊出現在顯示屏上。
- 4 數字按鈕 (20)  
按這些按鈕輸入樂曲號碼。
- 5 >10 按鈕 (20)  
按此按鈕找到大於 10 的樂曲號碼。
- 6 REPEAT 按鈕 (21)  
反復按此按鈕播放光碟上的所有樂曲或僅一首樂曲。
- 7 A↔B 按鈕 (22)  
按此按鈕選擇 A-B 反復播放。
- 8 ▷ 按鈕 (16)  
按此按鈕開始播放。
- 按鈕 (16)  
按此按鈕暫停播放。
- 按鈕 (16)  
按此按鈕停止播放。
- 9 AMS ◀◀/▶▶ (AMS：自動音樂感應器) 按鈕 (20)  
按這些按鈕找到特定樂曲。
- 10 ◀◀/▶▶ 按鈕 (20)  
按這些按鈕找到想播放樂曲中的特殊部分。
- 11 INDEX ◀/▶ 按鈕 (20)  
當播放帶有索引信號的光碟時，按這些按鈕找到用索引信號標記的特殊的點。
- 12 SACD/CD 按鈕 (16)  
每次按此按鈕時，“SACD”或“CD”出現在顯示屏中。選擇想要播放的 CD 類型。
- 13 MULTI/2CH 按鈕 (16)  
當裝載 2 聲道 + 多聲道超級音訊 CD (第 15 頁) 時，按此按鈕選擇播放區。
- 14 ENTER 按鈕 (27)  
按此按鈕確認選擇。
- 15 CLEAR 按鈕 (23)  
按此按鈕刪除已編程好的樂曲號碼。
- 16 LEVEL ADJ 按鈕 (27)  
按此按鈕為多聲道管理功能調節輸出電平衡 (第 25 頁)。
- 17 CHECK 按鈕 (23)  
按本按鈕此按鈕查看已編程好的順序。



# 播放光碟

本章說明播放光碟的各種方法。

## 相容的光碟類型

可以使用本唱機播放以下光碟。  
根據播放的光碟類型，按 SACD/CD 或 MULTI/2CH 選擇相應的指示燈（第 16 頁）。

### 層配置分類

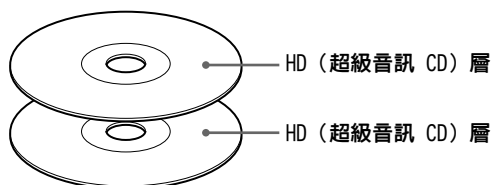
#### 超級音訊 CD（單層光碟）

這種光碟包含單 HD（高密度）層。  
當播放本光碟時，唱機自動設為超級音訊 CD 播放模式。



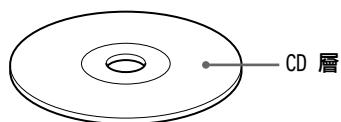
#### 超級音訊 CD（雙層光碟）

本光碟包含雙 HD 層並能長時間播放。  
當播放本光碟時，唱機自動設為超級音訊 CD 播放模式。  
另外，由於雙層光碟只在一面上包含雙 HD 層，因而無需翻轉光碟。



#### 傳統 CD

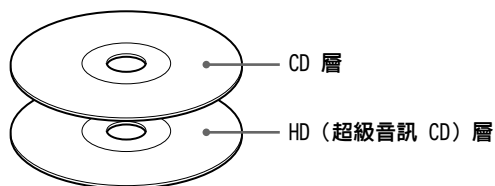
本光碟是標準格式的光碟。  
當播放此光碟時，唱機自動設為傳統 CD 播放模式。





### 超級音訊 CD + CD (混合光碟)

本光碟包含 HD 層和 CD 層。按 SACD/CD 選擇想要聆聽的層。另外，由於雙層光碟只在一面上，因而無需翻轉光碟。可以使用傳統 CD 唱機播放 CD 層。



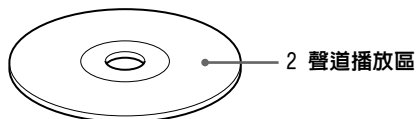
#### 選擇預設播放層 (HD 或 CD)

- 1 在停止模式時，按 MENU。
- 2 旋轉 ◀◀ AMS ▶▶ 直到 “SACD/CD SEL” 出現在顯示屏中。
- 3 按 ◀◀ AMS ▶▶。出現當前播放層。
- 4 旋轉 ◀◀ AMS ▶▶ 選擇需要的播放層，然後按 ◀◀ AMS ▶▶。

#### 超級音訊 CD 的聲道配置分類

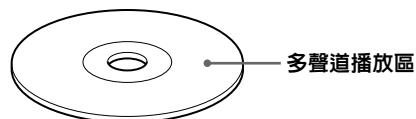
##### 2 聲道超級音訊 CD

本光碟包含 2 聲道播放區。  
當播放本光碟時，唱機自動設為 2 聲道播放模式。



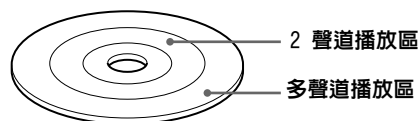
##### 多聲道超級音訊 CD

本光碟包含多聲道播放區。  
當播放本光碟時，唱機自動設為多聲道播放模式。



##### 2 聲道 + 多聲道超級音訊 CD

本光碟包含 2 聲道播放區和多聲道播放區。  
按 MULTI/2CH 選擇想要聆聽的播放區。



#### 選擇預設播放區 (2 聲道或多聲道)

- 1 在停止模式時，按 MENU。
- 2 旋轉 ◀◀ AMS ▶▶ 直到 “M/2CH SELECT” 出現在顯示屏中。
- 3 按 ◀◀ AMS ▶▶。出現當前播放層。
- 4 旋轉 ◀◀ AMS ▶▶ 選擇需要的播放區，然後按 ◀◀ AMS ▶▶。

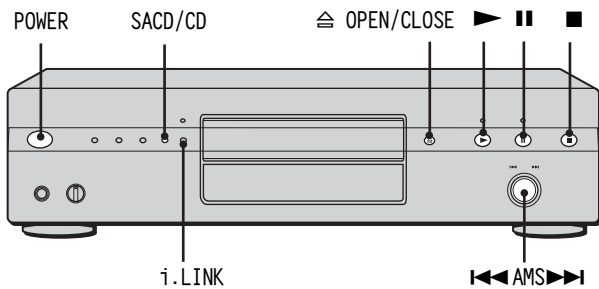
#### 不相容光碟

本唱機不能播放以下光碟。如果試圖播放它們，將出現 “TOC Error” 或 “No Disc” 錯誤訊息，或者無聲。

- CD-ROM
- DVD 等

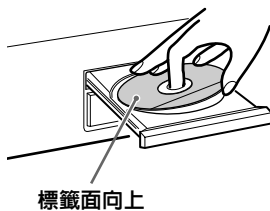
# 播放光碟

以下說明正常播放的操作和播放時的基本操作。



播放光碟

- 1 打開放大器。請將音量關到最小。
- 2 使用放大器上的輸入選擇器選擇唱機位置。
- 3 按 POWER 打開唱機。
- 4 按 OPEN/CLOSE 打開光碟托盤，然後將光碟放到托盤上。



- 5 按 ►。  
從第一首樂曲開始播放。如果想從特定樂曲開始播放，在按 ► 之前請旋轉 ◀◀ AMS ▶▶ 選擇樂曲號碼。
- 6 調節放大器上的音量。

## 播放時的基本操作

要	按
停止播放	■
暫停播放	
暫停後繼續播放	或 ►
找到隨後的樂曲	順時針旋轉 ◀◀ AMS ▶▶
找到當前樂曲的開頭或先前的樂曲	逆時針旋轉 ◀◀ AMS ▶▶
彈出光碟	△ OPEN/CLOSE

### 💡 如果當已經裝載光碟時打開唱機

播放自動開始。如果連接了市售的定時器，可以將其設為在想要的任意時間開始播放光碟。

### 💡 當播放混合光碟時選擇想要聆聽的層（第 15 頁）

反復按 SACD/CD 點亮“SACD”或“CD”。

### 💡 當播放 2 聲道 + 多聲道超級音訊 CD 時選擇想要聆聽的播放區（第 15 頁）

反復按 MULTI/2CH 點亮“MULTI CH”或“2 CH”。

### 註

- 播放時，從最低音量開始逐步增加音量。本裝置的輸出可能超出正常聆聽範圍的頻帶寬度。這可能導致揚聲器或耳朵損壞。
- 當在程式播放模式下改變播放區時，程式被清除。
- 當改變播放區時，從相同樂曲的開頭開始播放。但是，根據光碟的不同播放從第一首樂曲開始。

## 使用 i.LINK 功能

可以通過 i.LINK S200 AUDIO OUT 插孔輸出聲音並欣賞高質量的聲音。請參閱連接的元件的操作說明書。

### 按 i.LINK 打開 i.LINK 指示燈。

要關閉 i.LINK 功能並聆聽類比聲音，請再次按 i.LINK 關閉 i.LINK 指示燈。

### 註

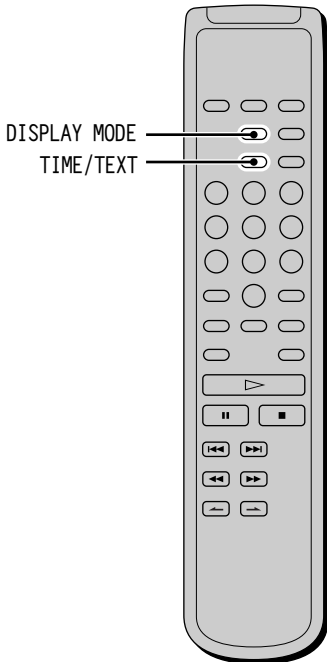
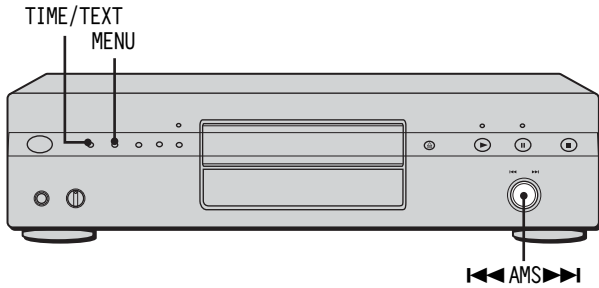
如果當連接的元件還未接通 i.LINK 功能時（例如，當“i.LINK Connecting”出現在 STR-DA9000ES/TA-DA9000ES 的顯示屏上時）按 ►，樂曲開頭的聲音可能丟失。

### 當 i.LINK 指示燈點亮時

- 沒有信號從其他插孔（ANALOG 2CH OUT 插孔、ANALOG 5.1CH OUT 插孔、PHONES 插孔、DIGITAL (CD) OUT 插孔）輸出。
- “D.FILTER”、“D.OUTPUT”、“2CH SPK MODE”、“MCH SPK MODE”、“LEVEL ADJUST”和“SPK DISTANCE”功能表操作不可用。

# 使用顯示屏

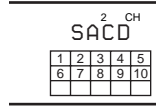
顯示窗顯示正在播放的光碟或樂曲的各種資訊。本節描述當前光碟資訊和每個播放狀態出現的資訊。



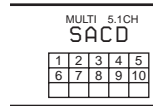
## 裝載光碟時的光碟資訊

根據當前裝載的光碟，顯示屏顯示如下：

### 2 聲道超級音訊 CD

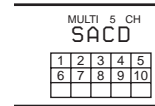


### 多聲道超級音訊 CD



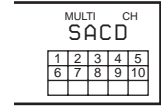
播放 5.1 聲道超級音訊 CD 時

或



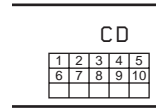
播放 5 聲道超級音訊 CD 時

或



播放其他超級音訊 CD 時或停止模式時

### 傳統 CD

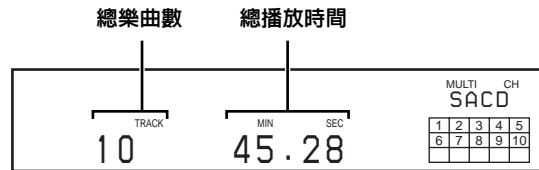


播放光碟

## 當唱機停止時顯示資訊

按 TIME/TEXT。

顯示屏顯示總樂曲數和總播放時間。



**當唱機播放時顯示資訊**

按 TIME/TEXT。

每次按此按鈕，出現當前樂曲號碼和樂曲已播放時間或剩餘時間，或者光碟總剩餘時間出現在顯示屏中。

當唱機檢測到多聲道超級音訊 CD 時，在預設顯示出現之前出現聲道資訊。

當前樂曲的播放樂曲號碼和已播放時間（預設顯示）



按 TIME/TEXT



當前樂曲的播放樂曲號碼和剩餘時間



按 TIME/TEXT



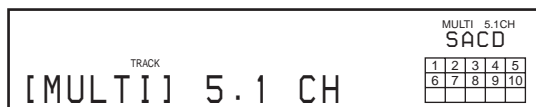
光碟的總剩餘時間



按 TIME/TEXT



聲道資訊（僅當唱機檢測到多聲道超級音訊 CD 時出現）



**關閉顯示屏中的資訊**

當播放光碟時，每次按遙控器上的 DISPLAY MODE，交替關閉和打開顯示屏。即使當顯示屏關閉時，如果暫停或停止播放，顯示屏打開。當繼續播放時，顯示屏再次關閉。開始播放之前，當按 DISPLAY MODE 關閉顯示屏時，出現“Display Off”；當按該按鈕打開顯示屏時，出現“Display On”。

播放光碟

**顯示 TEXT 光碟的資訊**

TEXT 光碟包含諸如光碟名稱或藝術家姓名以及音訊信號的資訊。本唱機可以以 TEXT 資訊顯示光碟名稱或藝術家姓名以及當前樂曲名稱。

當本唱機檢測到 TEXT 光碟時，“TEXT”出現在顯示屏中。如果您的 TEXT 光碟擁有多種語言，“MULTI-TEXT”出現在顯示屏中。當想要查看以另一種語言顯示的資訊時，請參閱第 19 頁上的“以其他語言顯示 TEXT 光碟的資訊”。

**顯示停止模式時的 TEXT 光碟資訊**

按 TIME/TEXT。

每按一次該按鈕，光碟名稱或藝術家姓名出現在顯示屏中。當選擇藝術家姓名時，“ART.”出現在顯示屏中。

• 開始播放之前

光碟標題



按 TIME/TEXT



藝術家姓名



按 TIME/TEXT



總樂曲數和總播放時間



按 TIME/TEXT

## 顯示播放光碟時的 TEXT 光碟資訊

出現當前樂曲名稱。如果光碟名稱超過 15 個字元，名稱滾讀之後顯示屏中保留最前面的 14 個字元。

當本唱機檢測到多聲道超級音訊 CD 時，在當前樂曲的播放時間出現之前出現聲道資訊。

### • 播放光碟時

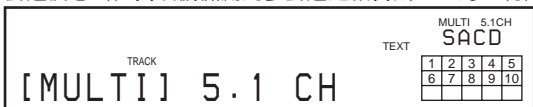
#### 樂曲標題



按 TIME/TEXT



#### 聲道信息 (僅當唱機檢測到多聲道超級音訊 CD 時出現)



#### 當前樂曲的播放時間



按 TIME/TEXT



#### 當前樂曲的剩餘時間



按 TIME/TEXT



#### 光碟的剩餘時間



按  
TIME/  
TEXT

### 註

- 顯示屏可能不能顯示所有字元，視光碟而異。
- 本唱機僅顯示 TEXT 光碟的光碟名稱、藝術家姓名和樂曲名稱。不能顯示其他資訊。

## 以其他語言顯示 TEXT 光碟的資訊

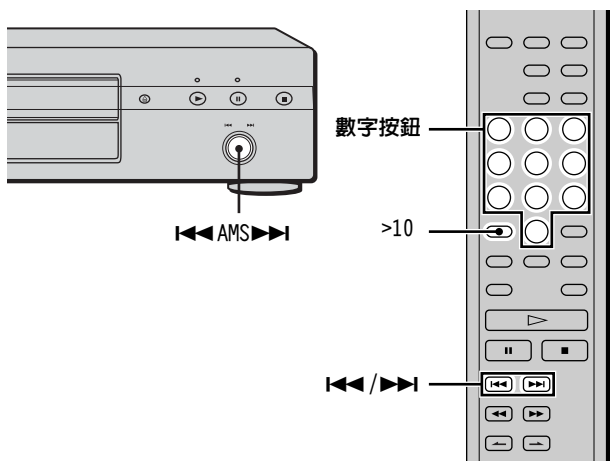
如果 TEXT 光碟擁有多種語言，就可以改變顯示語言。當本唱機檢測到這樣的 TEXT 光碟時，“MULTI-TEXT”出現在顯示屏中。

根據以下步驟更改語言。

- 1 在停止模式時，按 MENU。
- 2 旋轉 **◀ AMS ▶** 直到“LANGUAGE”出現在顯示屏中。
- 3 按 **◀ AMS ▶**。  
當前選擇的語言（英語、法語、德語等）開始閃爍。  
如果唱機不能顯示 TEXT 光碟中使用的語言，“Other lang”出現在顯示屏中。
- 4 旋轉 **◀ AMS ▶** 直到需要的語言出現在顯示屏中。
- 5 按 **◀ AMS ▶**。  
幾秒鐘之後，資訊以所選的語言出現。

## 找到特定樂曲

在停止或播放模式期間，可以找到要播放的任意樂曲。



播放光碟

要找到	需要
下一首或隨後的樂曲	順時針旋轉 ◀◀ AMS ▶▶ 直到找到樂曲。當使用遙控器時，反復按 ▶▶ 直到找到樂曲。
當前或先前的樂曲	逆時針旋轉 ◀◀ AMS ▶▶ 直到找到樂曲。當使用遙控器時，反復按 ◀◀ 直到找到樂曲。
特定樂曲	旋轉 ◀◀ AMS ▶▶ 直到找到想要的樂曲號碼。當使用遙控器時，反復按 ◀◀ 或 ▶▶ 直到找到樂曲。

### 輸入樂曲號碼直接找到樂曲

按數字按鈕輸入樂曲號碼。

輸入超過 11 的樂曲號碼

**1** 按 >10。

**2** 輸入相關數字。

按 10/0 輸入 0。

**實例：**

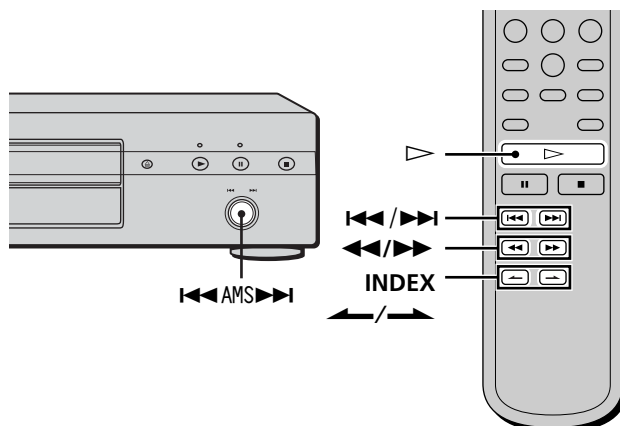
- 要播放樂曲號碼 30，請按 >10，然後按 3 接著再按 10/0。
- 要播放樂曲號碼 100，請按 >10 兩次，然後按 1 接著再按 10/0 兩次。

**註**

如果當總樂曲數少於 100 時按 >10 兩次，預設顯示重新出現。

## 找到樂曲中特殊點

在播放或播放暫停期間，可以找到樂曲中的特殊點。



### 當監聽聲音時找到點（搜索）

播放時按住 ◀◀/▶▶。

隨著光碟前進或後退，將聽到間斷的播放聲音。到達需要的點時，鬆開按鈕。

### 通過觀察時間顯示找到點（高速搜索）

播放暫停時按住 ◀◀/▶▶。

將聽不到播放的聲音。

當顯示屏中出現“Over!!”時光碟到達末尾。按 ◀◀ 或 ▶▶ 返回。

**註**

僅幾秒鐘長的樂曲對於監聽可能太短。在這種情況下，唱機可能無法正確搜索。

### 使用索引功能找到點（索引搜索）

在播放或暫停模式時反復按 INDEX▶▶ 或 INDEX◀◀。

什麼是索引？

某些超級音訊 CD 或 CD 擁有索引標記系統，可將樂曲或光碟分為較小的片斷。當想在一首長樂曲（例如古典音樂）中找到某個點時特別有用。索引搜索功能僅當使用市售的索引光碟（通常在標籤上標明）時可用。

### 通過設定開始時間找到點（時間搜索）

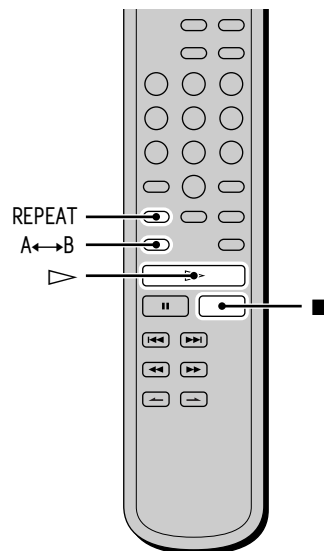
- 1 在停止模式按 **⏮/⏭**（或旋轉 **⏮ AMS ⏭**）選擇想要的樂曲。
- 2 一邊看顯示屏，一邊按住 **⏮/⏭** 設定要開始播放的時間。  
當首先按 **⏭** 時，可以從想要樂曲的開頭設定時間；  
當首先按 **⏮** 時，可以從想要樂曲的末尾向前設定時間。



- 3 按 **▶**。  
播放從時間搜索處開始。

## 反復播放樂曲

可以反復播放整張光碟或光碟中的某一部分。本功能可以與隨機播放一起使用，以隨機順序反復播放所有樂曲（第 22 頁），或與程式播放一起使用，在程式中反復播放所有樂曲（第 23 頁）。也可以反復播放特定樂曲或樂曲中特定部分。



### 註

如果關閉唱機或斷開市電電線，唱機將保存反復播放的最後設定（“Repeat All”或“Repeat 1”），然後在下次打開唱機時調用該設定。但是，如果關閉唱機或斷開市電電線，A-B 反復播放設定將會取消。

### 反復播放光碟上的所有樂曲（全部反復播放）

按一次 REPEAT，然後按 **▶**。

“Repeat” 出現在顯示屏上，然後開始全部反復播放。  
反復播放視選擇的播放模式而改變。

當播放模式是	唱機
正常播放（第 16 頁）	依次反復播放所有樂曲
隨機播放（第 22 頁）	隨機反復播放所有樂曲
程式播放（第 23 頁）	按順序反復播放程式中的所有樂曲

### 取消全部反復播放

反復按 REPEAT 直到“REPEAT”消失。

### 反復播放當前樂曲（單首反復播放）

當想要反復播放的樂曲正在播放時，反復按 REPEAT 直到“REPEAT 1”出現在顯示屏中。  
開始單首反復播放。

#### 取消單首反復播放

反復按 REPEAT 直到“REPEAT 1”消失。

### 反復播放樂曲中特定部分（A-B 反復播放）

可以指定反復播放樂曲中某個部分。請注意所指定的部分必須在單首樂曲內。

- 1 當唱機正在播放時，在要反復播放部分的起始點（A 點）按 A↔B。  
出現“REPEAT”並且“A”在顯示屏中閃爍。
- 2 繼續播放樂曲（或按 ►►）找到結束點（B 點），然後按 A↔B。  
“REPEAT A-B”出現，A-B 反復播放開始。

#### 取消 A-B 反復播放

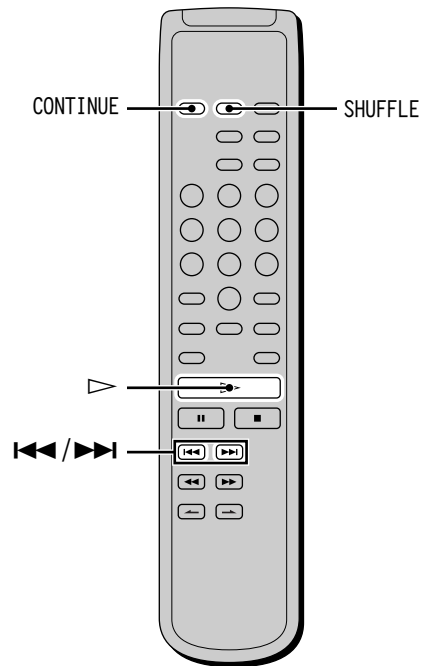
按 REPEAT。

#### 在 A-B 反復播放期間，可以設定新的起始點和結束點


可以將當前結束點變為起始點，然後指定新的結束點，在緊隨當前部分後面反復播放另一部分。

- 1 在 A-B 反復播放期間，按 A↔B。  
當前結束點變為新的起始點（A 點）。  
“REPEAT”點亮並且“A”在顯示屏中閃爍。
- 2 找到新的結束點（B 點），按 A↔B。  
“REPEAT A-B”出現，唱機開始反復播放新的特定部分。  
當想要從 A 點重新開始，請在 A↔B 反復播放期間按 ▷。

當選擇隨機播放時，唱機以隨機順序播放光碟上的所有樂曲。



- 1 在停止模式時，按 SHUFFLE。

- 2 按 ▷。  
隨機播放開始。  
當唱機“隨機播放”樂曲時，出現“”。播放所有樂曲一遍後，唱機將會停止播放。

#### 繼續正常播放

按 CONTINUE。

#### 可以在隨機播放期間找到樂曲

按 ◀◀/▶▶。

按 ▶▶ 找到下一首樂曲或按 ◀◀ 找到當前樂曲的開頭。唱機不會返回到已播放的樂曲。

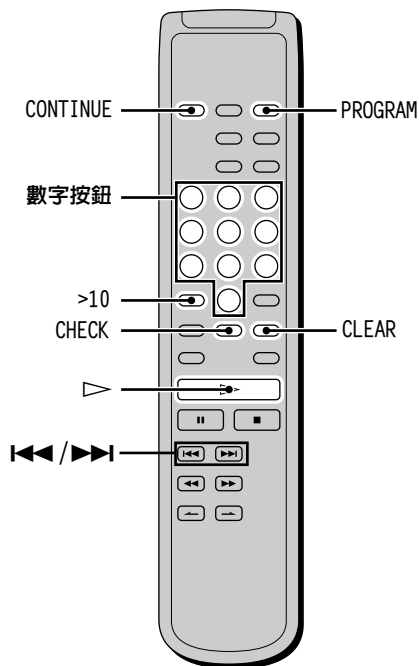
#### 註

當改變超級音訊 CD 的播放區（2 聲道／多聲道）或播放層（CD／HD）時（第 15 頁），隨機播放設定被清除。



## 創建自己的程式 (程式播放)

可以挑選您喜歡的樂曲，然後在最多包含 32 首樂曲（或 999 分鐘 59 秒的總程式時間）的程式中指定播放順序。



- 1 在停止模式時，按 PROGRAM。  
“Program” 出現在顯示屏中。
- 2 按數字按鈕輸入樂曲號碼。  
**如果輸入了錯誤的樂曲號碼**  
按 CLEAR 清除樂曲號碼，然後使用數字按鈕重新輸入正確的樂曲號碼。  
**選擇超過 11 的樂曲號碼**  
按 >10 (第 20 頁)。
- 3 重複步驟 2 輸入其他樂曲。  
每次輸入樂曲號碼，總程式時間出現在顯示屏中。
- 4 按 ▷。  
程式播放開始。

### 繼續正常播放

按 CONTINUE。

### 即使程式播放結束，程式依然存在

按 ▷ 再次從程式開頭播放。  
即使停止播放，程式依然存在。

### 註

如果關閉唱機，斷開市電電線，按 OPEN/CLOSE，或者改變超級音訊 CD 的播放區（2 聲道/多聲道）或播放層（CD/HD）時（第 15 頁），程式被清除。

### 查看程式內容

在開始播放之前或當唱機正在播放時，按 CHECK。  
每次按該按鈕，樂曲號碼將按程式順序出現在顯示屏中。  
當唱機正在播放時按 CHECK，當前播放樂曲號碼的下一個樂曲號碼出現。

### 改變程式內容

可以在停止模式改變程式內容。

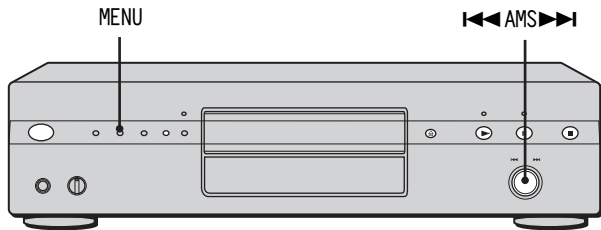
要	請進行以下操作：
清除樂曲	1 反復按 CHECK 直到想要清除的樂曲號碼出現。 2 按 CLEAR。
清除程式中的最後一首樂曲	按 CLEAR。 每次按該按鈕，程式的最後一首樂曲被清除。
增加一首樂曲到程式結尾	按 ◀◀/▶▶ 選擇想要增加的樂曲，然後按 PROGRAM。當使用遙控器時，按要增加的樂曲號碼。
清除所有樂曲	按住 CLEAR 或 ■ (大約 2 秒) 直到 “Prog CLEAR” 出現在顯示屏中。

## 使用濾波器聆聽 CD (數位濾波器功能)

本唱機配備數位濾波器，可消除採樣時產生的噪音。通過選擇濾波器的類型，可以調節聲音質量。可以選擇“STANDARD”或“OPTION”。(預設為“STANDARD”。)

當 i.LINK 指示燈點亮時

本功能不可用。



- 1 按 MENU。
- 2 旋轉 I◀◀ AMS ▶▶ 直到 “D.FILTER” 出現在顯示屏中。
- 3 按 I◀◀ AMS ▶▶。
- 4 旋轉 I◀◀ AMS ▶▶ 直到想要的濾波器名稱 (“STANDARD” 或 “OPTION”) 出現在顯示屏中。
- 5 按 I◀◀ AMS ▶▶。  
當選擇 “OPTION” 時，“FILTER” 出現在顯示屏中。

### 各個數位濾波器的特點

#### STANDARD

提供寬廣的頻率範圍和空間感受。

#### OPTION

提供帶清晰映射位置的柔和和強有力的聲音。

#### 註

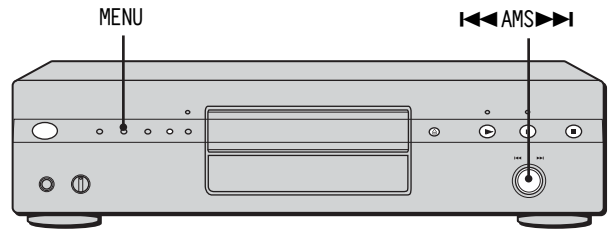
- 僅播放傳統 CD 時數位濾波器有效。當播放超級音訊 CD 時不能選擇數位濾波器。
- 切換濾波器之後可能沒有明顯的效果，視光碟或所連接的設備而定。

## 設定 DIGITAL OUT 為開或關

可以將數位輸出模式設為開 (能輸出數位信號) 或關 (不能輸出數位信號)。當使用 DIGITAL (CD) OUT COAXIAL 或 DIGITAL (CD) OUT OPTICAL 連接器時，請將數位模式設為開 (“D.OUT ON”)。(預設為 “D.OUT ON”。)

當 i.LINK 指示燈點亮時

本功能不可用。



- 1 按 MENU。
- 2 旋轉 I◀◀ AMS ▶▶ 直到 “D.OUTPUT” 出現在顯示屏中。
- 3 按 I◀◀ AMS ▶▶。
- 4 旋轉 I◀◀ AMS ▶▶ 直到想要的數位模式 (“D.OUT ON” 或 “D.OUT OFF”) 出現在顯示屏中。
- 5 按 I◀◀ AMS ▶▶。

#### 註

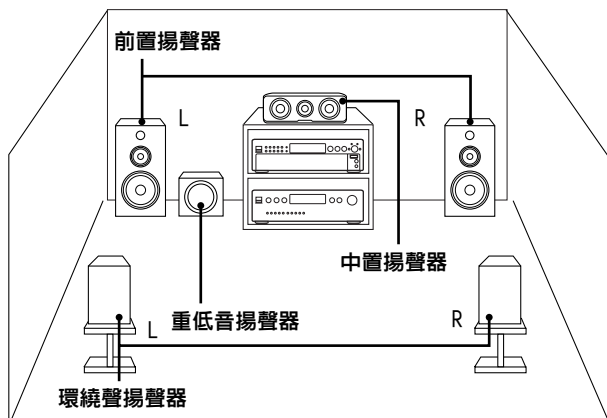
當播放超級音訊 CD 時，本功能不起作用，無信號從 DIGITAL (CD) OUT 連接器輸出。

# 聆聽多聲道超級音訊 CD (多聲道管理功能)

本唱機配備多聲道管理功能，可根據揚聲器的配置或尺寸，使用 DSD-DSP (內置於唱機) 設定超級音訊 CD 的播放模式。

當 i.LINK 指示燈點亮時  
本功能不可用。

## 揚聲器配置實例

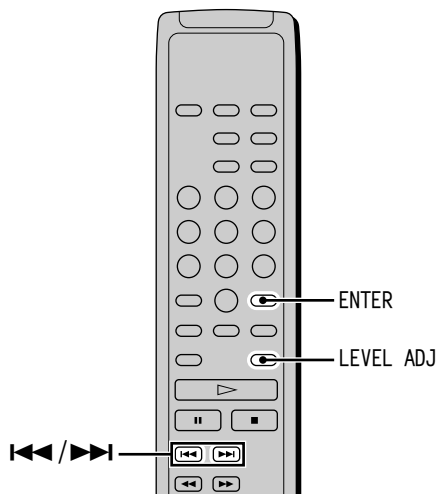
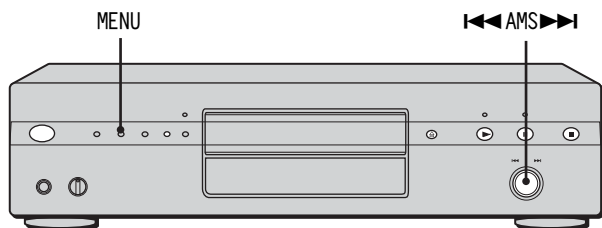


設定多聲道管理：

- 1 選擇合適的預設播放模式 (2 聲道播放或多聲道播放)。
- 2 調節每個揚聲器的輸出電平平衡 (僅當選擇多聲道播放模式時)。

### 註

- 僅當播放超級音訊 CD 時本功能可用。
- 也許不能調節輸出電平平衡，視選擇的揚聲器配置模式而定。



## 選擇 2 聲道播放模式

- 1 按 MENU。
- 2 旋轉 **AMS** 直到 “2CH SPK MODE” 出現在顯示屏中。
- 3 按 **AMS**。播放模式出現在顯示屏中。

播放模式	前置揚聲器	重低音揚聲器
2CH Direct	每個信號直接從前置揚聲器輸出。沒有信號從重低音揚聲器輸出。	
2CH + SW	○	○

- 4 旋轉 **AMS** 直到想要的模式出現在顯示屏中。
- 5 按 **AMS**。

### 註

當唱機在 CD 或多聲道播放模式時，不能操作本功能。當唱機在 2 聲道超級音訊 CD 播放模式時操作本功能，光碟托盤打開，或者唱機中無光碟。

## 選擇多聲道播放模式

- 1 按 MENU。
- 2 旋轉 **AMS** 直到 “MCH SPK MODE” 出現在顯示屏中。
- 3 按 **AMS**。播放模式出現在顯示屏中。

播放模式	前置揚聲器	中置揚聲器	環繞聲揚聲器	重低音揚聲器
MCH Direct	每個信號直接從各個揚聲器輸出。			
5 - Large + SW	Large	Large	Large	○
5 - Large	Large	Large	Large	—
5 - Small + SW	Small	Small	Small	○
FRT - Large + SW	Large	Small	Small	○
FRT - Large	Large	Small	Small	—
No - CNTR + SW	Large	—	Large	○
No - CNTR	Large	—	Large	—

**關於“Large”或“Small”揚聲器**

“Large”揚聲器是可以重現豐富低音頻率的揚聲器。如果為環繞聲揚聲器選擇“Small”，低音頻率將會從前置揚聲器和/或重低音揚聲器輸出。

對於正常使用，請選擇“MCH Direct”或將所有揚聲器設為“Large”（例如“5 - Large + SW”、“5 - Large”等）。如果在播放多聲道超級音訊 CD 時聲音有噪音或多聲道播放無效，請將揚聲器相關的設定變為“Small”。

**4 旋轉 ◀◀ AMS ▶▶ 直到想要的模式出現在顯示屏中。****5 按 ◀◀ AMS ▶▶。**

要返回到正常顯示，請按 MENU。

**註**

- 當選擇“MCH Direct”時，多聲道管理功能不起作用（不能設定每個揚聲器的輸出電平平衡）。
- 當將重低音揚聲器設為“—”，前置揚聲器設定自動設為“Large”。
- 當播放不包含 LFE\* 信號的樂曲時，重低音揚聲器的信號不輸出。因此，當選擇“MCH Direct”、“5 - Large + SW”或“No - CNTR + SW”時，沒有信號從重低音揚聲器輸出。但是，當選擇“5 - Small + SW”或“FRNT - Large + SW”時（當將揚聲器設定設為“Small”時），低音頻率將從重低音揚聲器輸出。

\* 低頻增強（描述為“.1 CH”）

**調節每個揚聲器的輸出電平平衡**

可以使用多聲道管理功能調節以下項目：

**CNTR BALANCE**

前置揚聲器 (FRONT L/R) 和中置揚聲器 (CENTER) 之間的相對輸出電平平衡

**SURR BALANCE**

前置揚聲器 (FRONT L/R) 和環繞聲揚聲器 (SURR L/R) 之間的相對輸出電平平衡

**SW BALANCE**

前置揚聲器 (FRONT L/R) 和重低音揚聲器 (SUB WOOFER) 之間的相對輸出電平平衡

**註**

某些調節可能不起作用，視所選擇的多聲道播放模式而定。

**調節唱機前面板上的輸出電平平衡**

當在播放期間聆聽時，可以調節每個揚聲器的輸出電平平衡。也可以在停止模式聆聽測試音時進行調節。

**1 按 MENU。****2 旋轉 ◀◀ AMS ▶▶ 直到“LEVEL ADJUST”出現在顯示屏中。****3 按 ◀◀ AMS ▶▶。**

播放時跳到步驟 6。

**4 旋轉 ◀◀ AMS ▶▶ 直到“TONE ON”出現在顯示屏中。****5 按 ◀◀ AMS ▶▶。**

測試音依次從揚聲器輸出，揚聲器類型出現在顯示屏中。

**6 旋轉 ◀◀ AMS ▶▶ 直到想要的項目出現在顯示屏中。**

從“CNTR BALANCE”、“SURR BALANCE”或“SW BALANCE”中選擇項目。

**註**

當在多聲道播放模式將重低音揚聲器設為“—”（第 25 頁），“SW BALANCE”不出現。類似地，當將相關揚聲器設為“—”，“CNTR BALANCE”或“SURR BALANCE”不出現。

**7 按** **◀◀ AMS ▶▶**。

出現平衡調節顯示。

在停止模式時，測試音從所選的揚聲器輸出。

實例： 當在停止模式期間選擇“SURR BALANCE”，  
測試音從前置揚聲器和環繞聲揚聲器輸出。

**8 旋轉** **◀◀ AMS ▶▶** 調節輸出電平。**9 按** **◀◀ AMS ▶▶**。

唱機狀態返回到步驟 6。

重複步驟 6 到步驟 9 進行更多調節。

**10 完成調節後按** **MENU**。

顯示屏返回到正常顯示。

**從遙控器調節輸出電平** 

使用隨附的遙控器，可以從聆聽位置調節每個揚聲器的輸出電平。

**1 在播放或停止模式期間按** **LEVEL ADJ**。

播放時跳到步驟 4。

**2 反復按** **◀◀/▶▶** 直到“TONE ON”出現在顯示屏中。**3 按** **ENTER**。

測試音依次從揚聲器輸出，揚聲器類型出現在顯示屏中。

**4 反復按** **◀◀/▶▶** 直到想要的項目出現在顯示屏中。

從“CNTR BALANCE”、“SURR BALANCE”或  
“SW BALANCE”中選擇項目。

**註**

當在多聲道播放模式將重低音揚聲器設為“—”

(第 25 頁)，“SW BALANCE”不出現。類似地，當將相關揚聲器設為“—”，“CNTR BALANCE”或“SURR BALANCE”不出現。

**5 按** **ENTER**。

出現平衡調節顯示。

在停止模式時，測試音從所選的揚聲器輸出。

實例： 當在停止模式期間選擇“SURR BALANCE”，  
測試音從前置揚聲器和環繞聲揚聲器輸出。

**6 反復按** **◀◀/▶▶** 調節輸出電平。**7 按** **ENTER**。

唱機狀態返回到步驟 4。

重複步驟 4 到步驟 7 進行更多調節。

**8 完成調節後按** **LEVEL ADJ**。

顯示屏返回到正常顯示。

**註**

如果使用多聲道管理功能選擇除“2CH Direct”或“MCH Direct”之外的播放模式，分配給揚聲器的聲音將會改變，可能引起總音量的減小。如果發生這種情況，請在連接的放大器上使用音量控制器調節音量。

### 調節揚聲器間距

當連接的放大器沒有揚聲器間距設定功能表時，可以在本唱機上調節揚聲器間距。如果放大器有調節揚聲器間距的功能，建議在放大器上設定揚聲器間距。本設定僅適用於多聲道超級音訊 CD。

#### 註

當在本唱機和放大器上設定揚聲器間距時，兩個設定可能同時起作用，可能無法得到合適的效果。

#### FRT DIST.

聆聽位置到前置揚聲器的間距

可以以 0.1 米的步進從 1.0 米到 7.0 米進行調節。

如果兩個前置揚聲器到聆聽位置的間距不相同，請調節到最近的揚聲器的間距。

#### SURR DIST.

聆聽位置到環繞聲揚聲器的間距

可以以 0.1 米的步進從 1.0 米到 7.0 米進行調節。

如果兩個環繞聲揚聲器到聆聽位置的間距不相同，請調節到最近的揚聲器的間距。

#### CNTR DIST.

聆聽位置到中置揚聲器的間距

可以以 0.1 米的步進從 1.0 米到 7.0 米進行調節。

#### SUBW DIST.

聆聽位置到重低音揚聲器的間距

可以以 0.1 米的步進從 1.0 米到 7.0 米進行調節。

#### DIST. UNIT

間距設定的測量單位（米或英尺）

北美型號的初始設定為“feet”，歐洲型號的初始設定為“meter”。

#### 註

在以下情況不能調節揚聲器間距。

- 當唱機正在讀取 CD 的光碟（或超級音訊 CD 的 CD 區）資訊時
- 當唱機正在讀取超級音訊 CD 的 2 聲道區時
- 當 i.LINK 指示燈點亮時

- 1 按 MENU。
- 2 旋轉 **◀◀ AMS ▶▶** 直到“SPK DISTANCE”出現在顯示屏中。
- 3 按 **◀◀ AMS ▶▶**。
- 4 旋轉 **◀◀ AMS ▶▶** 直到想要的項目出現在顯示屏中。從“FRT DIST.”、“SURR DIST.”、“CNTR DIST.”或“SUBW DIST.”中選擇項目。

#### 註

當在多聲道播放模式將重低音揚聲器設為“—”

（第 25 頁），“SUBW DIST.”不可調節（出現“Not In Use”）。類似地，當將相關揚聲器設為“—”，“CNTR DIST.”不可調節（出現“Not In Use”）。

- 5 按 **◀◀ AMS ▶▶**。出現揚聲器間距調節顯示。  
實例： 當選擇“SURR DIST.”時（“DIST.UNIT”設為“meter”）。



- 6 旋轉 **◀◀ AMS ▶▶** 調節揚聲器間距。



- 7 按 **◀◀ AMS ▶▶**。  
唱機狀態返回到步驟 4。  
重複步驟 4 到步驟 7 進行更多調節。
- 8 完成調節後按 MENU。  
顯示屏返回到正常顯示。

#### 選擇間距單位

在上面的步驟 4 選擇“DIST. UNIT”。

旋轉 **◀◀ AMS ▶▶** 選擇“meter”或“feet”，然後按 **◀◀ AMS ▶▶**。

#### 設定揚聲器間距為預設值

將所有揚聲器間距設為 3 米。

# 其他資訊

本章提供幫助您理解和維護超級音訊 CD 唱機的其他資訊。

## 注意事項

### 關於安全

- 注意 — 本產品和光學設備一起使用將會增加眼睛傷害的危險。
- 如果有任何固體或液體掉入機殼，請拔下唱機插頭，再次操作之前請讓合格的專業人員對唱機進行檢查。
- AC 電源線必須僅在合格的維修商店進行更換。
- 即使唱機本身已經關閉，在唱機仍舊連接到牆上插座的時候，唱機並未與 AC 電源（市電）斷開。

### 關於電源

- 操作唱機之前，請檢查唱機的操作電壓是否與當地的電源電壓相同。操作電壓在唱機後部的名稱標籤上標明。
- 即使唱機本身已經關閉，在唱機仍舊連接到市電時候，唱機並未與市電斷開。
- 如果準備長時間不使用唱機，務必從市電斷開唱機。要斷開市電電線，請抓住市電電線的插頭；切勿拉市電電線。

### 關於放置

- 請將唱機放在通風良好的地方，以防唱機內部溫度升高。
- 切勿將唱機放置在諸如地毯的柔軟表面，否則，可能會堵塞唱機底部的通風口。
- 切勿將唱機放置在靠近熱源的地方、陽光直射的地方、多塵的地方或有機械震動的地方。

### 關於操作

- 如果唱機直接從寒冷的地方拿到溫暖的地方或放置在非常潮濕的房間，潮氣可能在唱機內部鏡頭上結露。如果發生這種情況，唱機可能無法正常操作。此時，請取出光碟並打開唱機約一個小時，直到潮氣蒸發。
- 在電源打開期間，當光碟裝載到超級音訊 CD 唱機時，可能聽到某些噪聲。這並非故障。

### 關於調節音量

- 當聆聽輸入電平非常低或無音訊信號部分時，切勿將音量調節得太高。如果調節得太高，當播放峰值電平部分時可能損壞揚聲器。

### 關於插入光碟

- 可能從唱機聽得傳送或內部機械運作的聲音。這表示唱機根據插入的光碟自動調節內部機械運作。  
當插入形狀變形的光碟時，也可能從唱機聽到機械運作的聲音。

### 關於清潔

- 請使用沾有少量溫和清潔劑的軟布清潔機殼、面板和控制器。  
切勿使用任何類型的耐磨墊、清潔粉或酒精、苯等溶劑。

### 關於搬運

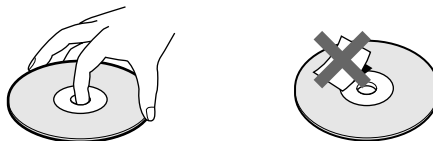
- 務必取出托盤上的光碟。
- 務必關閉光碟托盤。

如果有任何關於唱機的疑問或問題，請向最近的 Sony 經銷商諮詢。

## 關於光碟的注意事項

### 關於拿放光碟

- 要保持光碟清潔，請抓握光碟的邊緣。切勿接觸光碟表面。
- 切勿將粘紙或膠帶粘貼到光碟上。



- 請僅使用圓形光碟。如果使用特殊形狀的光碟（例如星形、心形或方形等），唱機可能損壞。
- 切勿使用貼了封條的光碟，如貼了封條的舊光碟或租用的光碟。

### 關於保存光碟

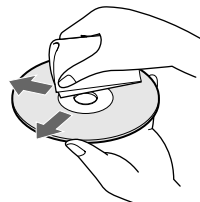
- 切勿將光碟暴露在直射陽光或諸如熱空氣通路的熱源下。
- 播放後，請將光碟保存在光碟盒中。如果在沒有裝入光碟盒狀態將其放在另一光碟上面，光碟可能損壞。

### 關於將光碟放入光碟托盤

- 請確保將光碟平穩放入托盤。  
如果不這樣做，唱機或光碟可能損壞。

### 關於清潔

- 如果光碟帶有手指印或灰塵而弄髒，音訊輸出質量可能降低。
- 播放前，請使用清潔布清潔光碟。請由光碟中心向外擦拭光碟。



- 請使用沾有少量水的軟布清潔光碟，並使用乾布擦去水份。
- 切勿使用苯、稀釋劑、唱片清潔劑或抗靜電噴霧劑等溶劑。

### 關於 CD-R/CD-RW 播放注意事項

- 由於刮傷、灰塵、錄製條件或光碟機特性的原因，錄製在 CD-R/CD-RW 光碟機上的光碟可能無法播放。另外，在錄製結束時未封裝的光碟也無法播放。

### 帶版權保護技術編碼的音樂光碟

本產品為播放符合光碟（CD）標準的光碟設計。  
當前，某些唱片公司出品了各種帶版權保護技術編碼的音樂光碟。  
請注意：在這些光碟中，存在某些不符合 CD 標準的光碟，可能無法使用本產品進行播放。



# 故障排除

如果在使用唱機時遇到任何以下困難，請使用本故障排除指南以幫助解決問題。如果問題還存在，請諮詢最近的 Sony 經銷商。

## 沒有聲音從 i.LINK S200 AUDIO OUT 插孔輸出。

連接的放大器上的輸入選擇器是否選擇了 i.LINK 元件？

- ➔ 請務必將連接的放大器上的輸入選擇器選擇 i.LINK 元件。請參閱隨放大器提供的操作說明。

i.LINK 功能是否打開？

- ➔ 請參閱第 16 頁。按 i.LINK 從 i.LINK S200 AUDIO OUT 插孔輸出信號。當 i.LINK 功能打開時，i.LINK 指示燈點亮。

i.LINK 線是否連接正確？

- ➔ 請檢查連接並牢固連接 i.LINK 線。

是否使用正確的 i.LINK 線？

- ➔ 請務必使用相容 i.LINK S200 的 i.LINK 線（少於 3.5 米）。

連接 i.LINK 元件是否正確無誤？

- ➔ 請參閱第 7 頁。請參閱隨 i.LINK 元件提供的操作說明。

是否連接了多個 i.LINK 元件？

- ➔ 當連接了多個 i.LINK 元件時，可能會無聲。

當開始播放時無聲。

- ➔ 由於拷貝保護技術的原因，當元件創建 LINC 時無聲音輸出。

## 沒有聲音從 ANALOG OUT 插孔輸出。

i.LINK 功能是否打開？

- ➔ 當 i.LINK 功能打開時，沒有聲音從 ANALOG OUT 插孔輸出。按 i.LINK 關閉 i.LINK 指示燈。

放大器上的輸入選擇器是否設定正確？

- ➔ 正確設定放大器上的輸入選擇器從本唱機輸出聲音。

- ➔ 請務必將本唱機連接到正確的放大器輸入插孔。

連接線是否連接正確？

- ➔ 請檢查連接並牢固連接連接線。

## 沒有聲音從 DIGITAL (CD) OUT 連接器輸出。

i.LINK 功能是否打開？

- ➔ 當 i.LINK 功能打開時，沒有聲音從 DIGITAL (CD) OUT 插孔輸出。按 i.LINK 關閉 i.LINK 指示燈。

是否播放了超級音訊 CD？

- ➔ 超級音訊 CD 的音訊信號無法從 DIGITAL (CD) OUT 連接器輸出。

是否將功能表中的“D.OUTPUT”設為“Off”？

- ➔ 請將“D.OUTPUT”設為“On”（請參閱第 24 頁）。

## 沒有聲音從 SUB WOOFER 插孔輸出。

是否選擇了帶重低音輸出的播放模式？

- ➔ 請選擇帶重低音輸出的播放模式，以便將重低音設為“O”（請參閱第 25 頁）。

是否播放了包含 LFE 信號的光碟？

- ➔ 當播放不包含 LFE 信號的軌跡，僅當將多聲道播放模式選為“5 - Small + SW”或“FRT - Large + SW”時從 SUB WOOFER 插孔輸出信號（請參閱第 25 頁）。

## 沒有聲音從耳機輸出。

i.LINK 功能是否打開？

- ➔ 當 i.LINK 功能打開時，沒有聲音從 PHONES 插孔輸出。請使用放大器上的耳機輸出。

## 無法播放光碟。

是否插入正確的光碟？

- ➔ 請確保唱機中存在光碟。
- ➔ 請確保托盤中的光碟未上下顛倒放置。請標籤面向上將光碟放置到光碟托盤。
- ➔ 如果光碟未放平，請重新裝載光碟。
- ➔ 如果光碟髒了，請清潔光碟（請參閱第 30 頁）。
- ➔ 請確保光碟與本唱機相容（請參閱第 15 頁）。

唱機內部結露。

- ➔ 請取出光碟並保持唱機打開大約 1 個小時。

## 遙控器不起作用。

遙控器和唱機之間是否有障礙物？

- ➔ 請在可以看到唱機的地方使用遙控器。

遙控器未指向唱機上的遙控感應器。

- ➔ 請將遙控器指向唱機上的遙控感應器。

遙控器中的電力是否微弱？

- ➔ 請使用新的電池予以更換。

## 顯示訊息

以下表格說明顯示在顯示屏中的各種訊息。

訊息	錯誤代碼	原因和/或解決方法
TOC ERROR	—	插入了不相容的光碟。
BUS FULL	C78:15	i.LINK 配置中的信號總線已滿，不能再從唱機輸出更多的信號。請取消元件和本唱機之間的 LINC。

## 規格

### 當播放超級音訊 CD 時

播放頻率範圍	2 Hz 到 100 kHz
頻率響應	2 Hz 到 50 kHz (-3 dB)
動態範圍	108 dB 或更大
總諧波失真率	0.0012 % 或更小
失真聲和顫動	測量下限值 ( $\pm 0.001$ % W. PEAK) 或更小

### 當播放 CD 時

頻率響應	2 Hz 到 20 kHz
動態範圍	100 dB 或更大
總諧波失真率	0.0017 % 或更小
失真聲和顫動	測量下限值 ( $\pm 0.001$ % W. PEAK) 或更小

### 輸出連接器

	插孔類型	輸出電平	裝載阻抗
ANALOG OUT	音響插孔	2 Vrms (50 kilohms)	超過 10 千歐
DIGITAL (CD) OUT OPTICAL*	方形光學輸出連接器	-18 dBm	(光線發射波長: 660 nm)
DIGITAL (CD) OUT COAXIAL*	同軸輸出連接器	0.5 Vp-p	75 歐
PHONES	立體聲耳機插孔	10 mW	32 歐

\*僅輸出 CD 的音訊信號

### i.LINK 部分

針腳	4 針
傳輸速度	S200 (最大資料傳輸速度 200 Mbps)
傳輸協議	A/M 傳輸協議
格式 (輸出)	超級音訊 CD*(DSD PLAIN) 2 聲道線性 PCM (IEC 60958-3) 採樣頻率: 44.1 kHz

\*符合 DTLA 拷貝保護技術 (版本 1.2)。

## 一般規格

### 雷射

半導體雷射  
(SA-CD:  $\lambda = 650 \text{ nm}$ )  
(CD:  $\lambda = 780 \text{ nm}$ )  
發射持續時間: 連續

**雷射輻射功率:** 5.47  $\mu\text{W}$  (在 650 nm 時)

\* 這些輸出是從光學拾音器上的物鏡表面大約 200mm 的距離測試得到的值。

### 電源要求

臺灣型號:  
110 V AC, 60 Hz  
北美型號:  
120 V AC, 60 Hz  
其他型號:  
230 V AC, 50/60 Hz

### 耗電量

32 W

### 尺寸 (寬/高/深)

430 × 127 × 387 mm  
包括投影組件

### 質量 (大約)

16.2 kg

### 隨機附件

請參閱第 4 頁。

設計和規格可能變更，恕不另行通知。

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