

Micro Hi-Fi Component System

Operating Instructions _____ GB

使用说明书 _____ CS



MDLP

CMT-CP500MD

WARNING

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

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

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

US and foreign patents licensed from Dolby Laboratories.



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

The following caution label is located inside the apparatus.



To prevent fire, do not cover the ventilation of the apparatus with news papers, table-cloths, 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.

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM ANY DEFECTIVE PRODUCT OR THE USE OF ANY PRODUCT.



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

Shanghai Suoguang Electronics Co., Ltd.
930 Jian Chuan Road
Min Hang Shanghai

Table of Contents

Parts Identification

Main unit	4
Remote control	5

Getting Started

Hooking up the system	6
Inserting two size-AA (R6) batteries into the remote control	7
Setting the time	7
Conserving power in standby mode	8

CD

Loading the CD	8
Playing the CD	
— Normal Play/Shuffle Play/Repeat Play	9
Programming the CD tracks	
— Program Play	10
Using the CD display	11
Labeling a CD	
— Disc Memo	11

MD — Play

Loading the MD	13
Playing the MD	
— Normal Play/Shuffle Play/Repeat Play	13
Programming the MD tracks	
— Program Play	14
Using the MD display	15

MD — Recording

Before you start recording	16
After recording	16
Recording a CD on an MD	
— CD-MD Synchro Recording	17
Recording a tape on an MD	
— TAPE-MD Synchro Recording	18
Recording on an MD manually	
— Manual Recording	19
Starting recording with 6 seconds of prestored audio data	
— Time Machine Recording	19
Recording tips	
— Recording for long times/Marking track numbers/Smart space/Adjusting the recording level	20

MD — Editing

Before you start editing	24
Labeling an MD	
— Name Function	24

Erasing recordings	
— Erase Function	27
Moving recorded tracks	
— Move Function	29
Dividing recorded tracks	
— Divide Function	29
Combining recorded tracks	
— Combine Function	30
Undoing the last edit	
— Undo Function	31
Changing the recording level after recording	
— S.F Edit	32

Tuner

Presetting radio stations	34
Listening to the radio	
— Preset Tuning	35
Labeling the preset stations	
— Station Name	36
Using the Radio Data System (RDS)*	36

Tape — Play

Loading a tape	37
Playing a tape	37

Tape — Recording

Recording a CD on a tape	
— CD-TAPE Synchro Recording	38
Recording an MD on a tape	
— MD-TAPE Synchro Recording	38
Recording on a tape manually	
— Manual Recording	39

Sound Adjustment

Adjusting the sound	40
---------------------------	----

Timer

Falling asleep to music	
— Sleep Timer	40
Waking up to music	
— Daily Timer	41
Timer recording radio programs	42

Optional Components

Hooking up the optional components	43
--	----

Additional Information

Precautions	44
System limitations of MDs	46
Troubleshooting	47
Self-diagnosis display	51
Specifications	53

* European model only

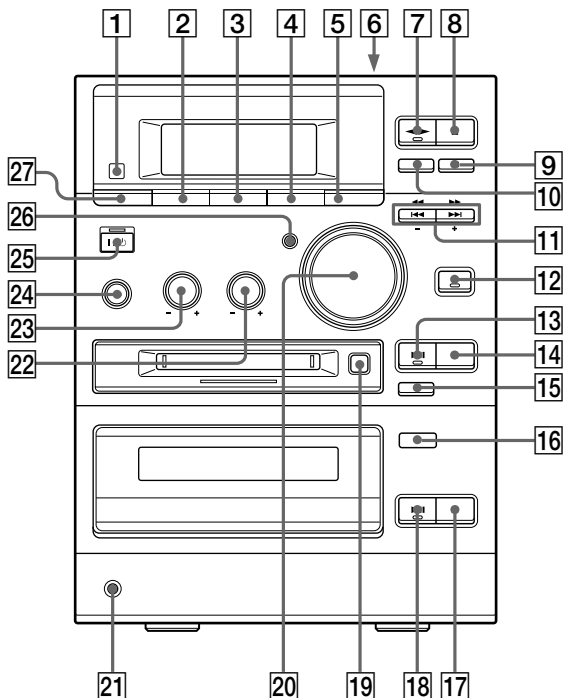
GB

3GB

The items are arranged in alphabetical order.

Refer to the pages indicated in parentheses () for details.

Main unit



BASS **23** (40)
 CD EJECT **▲ 16** (8, 9, 16, 50)
 CD **■ 17** (9, 10, 17, 38)
 CD **▶|| 18** (9, 10)
 DSG **26** (40)
 ENTER/START **5** (17, 18, 38, 39)
 FUNCTION **24** (9, 10, 13, 14, 19, 22, 23, 37, 39, 43)
 MD EJECT **▲ 19** (13, 24)
 MD REC **● 15** (19, 22, 23)
 MD **▶|| 13** (13 - 15, 19)
 MD **■ 14** (13, 15, 17 - 20, 38, 39)

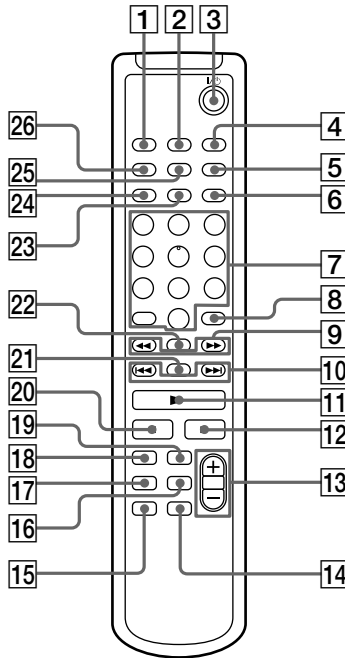
PHONES jack **21**
 PLAY MODE DIRECTION **27** (9, 10, 13 - 15, 24, 37 - 39)
 PUSH **▲ 6** (37)
 REC MODE **3** (20, 50)
 Remote sensor **1**
 REPEAT **2** (9, 13, 34)
 STEREO/MONO **2** (35)
 SYNCHRO REC **4** (17, 18, 38)
 TAPE REC **● 10** (39)
 TAPE **◀▶ 7** (37 - 39)
 TAPE **■ 8** (18, 37 - 39)
 TAPE **|| 9** (37, 39)

TREBLE **22** (40)
 TUNER BAND **12** (34, 35, 50)
 TUNING MODE **27** (34, 35)
 TUNING **-/+ 11** (34, 35)
 VOLUME **20** (41)

BUTTON DESCRIPTIONS

◀◀▶▶ 11 (9, 10, 13 - 15)
◀▶▶▶ 11 (9, 13, 37)
I/⏻ (power) 25 (7, 16, 24, 35, 41, 43, 50)

Remote control



BASS/TRE **5** (40)
 CD **17** (9 – 11)
 CLEAR **8** (10, 14, 15, 25, 36)
 CLOCK/TIMER SELECT **2**
 (42, 43)
 CLOCK/TIMER SET **4** (7, 41,
 42)
 CURSOR ←/→ **9** (7, 12, 25)
 DISPLAY **21** (8, 10, 11, 15, 19,
 36)
 DSG **14** (40)
 ENTER/YES **6** (7, 10, 12, 14,
 20 – 23, 25 – 34, 36, 41 – 43)
 FUNCTION **15** (9, 10, 13, 14, 19,
 22, 23, 37, 39, 43)

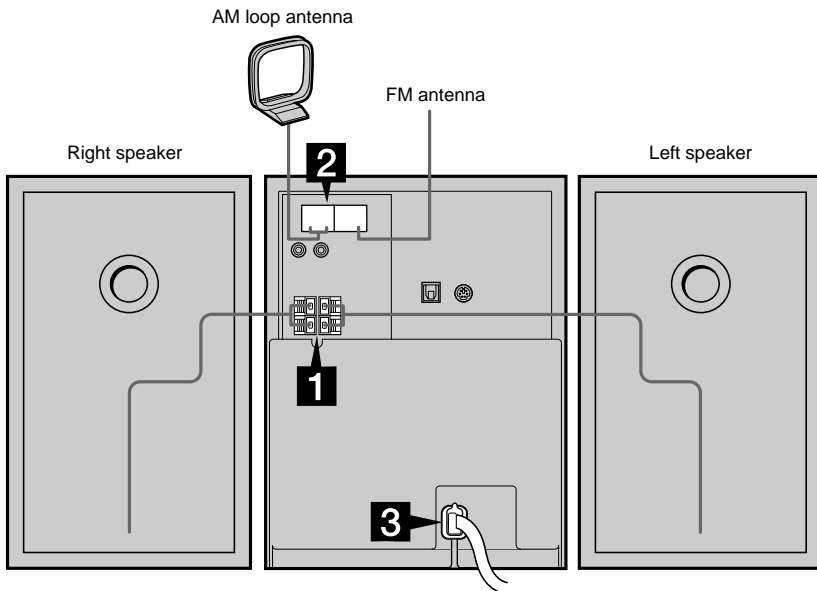
MD **18** (13, 14, 25, 27 – 30, 32)
 MENU/NO **24** (12, 21 – 24, 26 –
 34)
 NAME EDIT/SELECT **23** (11,
 12, 24, 25, 36)
 Number buttons **7** (9, 10, 12, 14,
 15, 25, 35)
 PLAY MODE **26** (9, 10, 13 – 15,
 24, 32)
 REPEAT **25** (9, 13)
 SCROLL **22** (12, 15, 26)
 SLEEP **1** (40)
 TAPE **16**
 TUNER BAND **19** (34, 35)
 VOLUME +/- **13** (41)

BUTTON DESCRIPTIONS

⏻ (power) **3** (7, 16, 24, 35, 41,
 43)
 ⏪ ⏩ **9** (28, 30)
 ⏮ ⏭ **10** (7, 11, 12, 21 – 23,
 25 – 34, 40 – 42)
 ▶ **11** (9, 10, 13, 15, 23)
 ■ **12** (23)
 ⏮ ⏭ **20** (9, 13, 28)

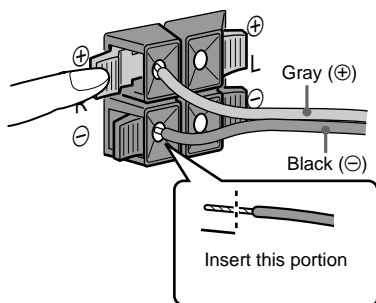
Hooking up the system

Follow steps **1** through **3** of the procedure below to hook up your system using the supplied cords and accessories.



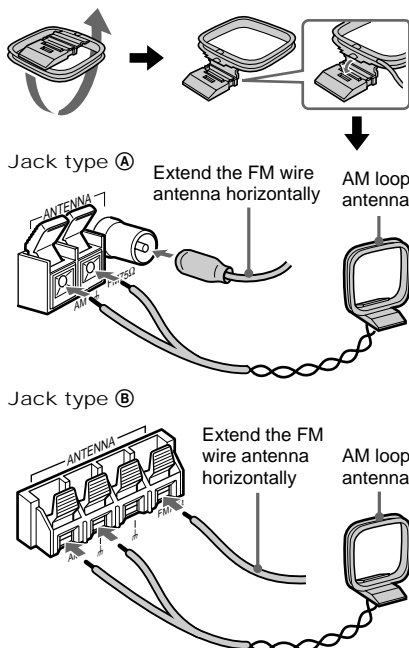
1 Connect the speakers.

Connect the right and left speaker cords to the SPEAKER terminals as shown below.



2 Connect the FM and AM antennas.

Set the AM loop antenna up before connecting it.

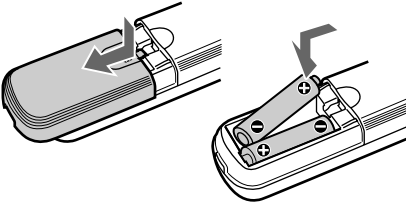


3 Connect the power cord to a wall outlet.

If the plug does not fit the wall socket, detach the supplied plug adaptor (only for models equipped with an adaptor).

To turn on the system, press **I/⏻**.

Inserting two size-AA (R6) batteries into the remote control

**Tip**

When the remote no longer operates the system, replace both batteries with new ones.

Note

If you do not use the remote for a long period of time, remove the batteries to prevent possible damage from battery leakage and corrosion.

Setting the time

- 1 Turn on the system.**
- 2 Press CLOCK/TIMER SET on the remote.**
If you are setting the clock for the first time, go to step 5.
- 3 Press **◀◀** or **▶▶** on the remote repeatedly until “CLOCK SET” appears in the display.**
- 4 Press ENTER/YES on the remote.**
The hour indication flashes.
- 5 Press **◀◀** or **▶▶** on the remote repeatedly to set the hour.**
- 6 Press ENTER/YES or CURSOR→ on the remote.**
The minute indication flashes.
- 7 Press **◀◀** or **▶▶** on the remote repeatedly to set the minute.**
- 8 Press ENTER/YES on the remote.**
The clock will begin operating.

To reset the system clock
Start over from step 1.

Conserving power in standby mode

Even if the system is off, the unit consumes power to power the clock and to stay responsive to commands from the remote. Power saving mode was introduced to reduce the amount of power consumed during standby.

In this mode, the clock is not displayed.

To change to power saving mode, press DISPLAY on the remote repeatedly while the system is off until demonstration mode and the clock disappear from the display.

To change the display

Press DISPLAY on the remote repeatedly while the system is off.

The display changes as follows:

Demonstration mode → Clock display →
Power saving mode → Demonstration mode
→ ...

Tip

The timer continues to operate during power saving mode.

To cancel power saving mode

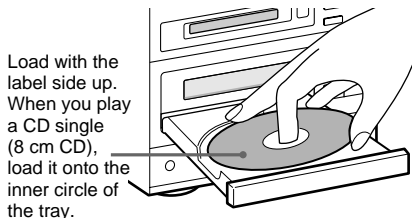
Press DISPLAY on the remote repeatedly while the system is off until demonstration mode or the clock display appears in the display.

Loading the CD

1 Press CD EJECT ▲.

The disc tray slides out.

2 Load a CD onto the disc tray.



3 Press CD EJECT ▲ again to close the disc tray.

Notes

- The disc cannot be viewed through the front window when a CD single (8 cm CD) is loaded.
- The characters printed on the disc appear upside down when viewed through the front window.
- If you press CD EJECT ▲ to open or close the disc tray while listening to another sound source, the CD icon lights even if there is no CD in the tray. To turn off the CD icon, press FUNCTION repeatedly to switch the function to CD.

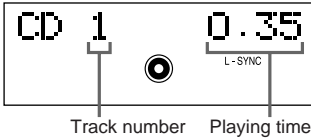
Tip

You can stand a CD case upright in the groove on top of the system.

Playing the CD

— Normal Play/Shuffle Play/Repeat Play

This system lets you play CDs in different play modes.



1 Press FUNCTION repeatedly until “CD” appears in the display.

You can switch the function to CD by pressing the CD button on the remote.

The indicator surrounding the CD ►► and CD ■ buttons lights up.

2 Press PLAY MODE DIRECTION (or PLAY MODE on the remote) in stop mode repeatedly until the mode you want appears in the display.

Select	To play
No display	The CD in original order.
SHUFFLE	The tracks on the CD in random order.
PGM	The tracks on the CD in any order that you want (see “Programming the CD tracks” on page 10).

3 Press CD ►► (or ► on the remote).

Other operations

To	Do this
Stop playback	Press CD ■.
Pause	Press CD ►► (or ►► on the remote). Press again to resume playback.
Select a track	During playback or pause, press ◀◀ or ▶▶ repeatedly until you find the desired track.
Find a point in a track	During playback, press and hold down ◀◀ or ▶▶ until you find the desired point.
Play repeatedly (Repeat Play)	Press REPEAT repeatedly during playback until “REPEAT” or “REPEAT 1” appears in the display. REPEAT: For all the tracks on the CD up to 5 times. REPEAT 1: For only the currently playing track. To cancel playing repeatedly, press REPEAT repeatedly until “REPEAT” and “REPEAT 1” disappear from the display.
Remove the CD	Press CD EJECT ▲.

Tip

You can start playing from the desired track in Normal Play or Program Play.

Press ◀◀ or ▶▶ repeatedly until the desired track appears after step 3.

Or, press the number buttons on the remote. The playback automatically starts.

To enter track number over 10 (on the remote only)

1 Press >10.

2 Enter the corresponding digits.

To enter 0, press 10/0 instead.

Example:

To enter track number 30, press >10, then 3 and 10/0.

Programming the CD tracks

— Program Play

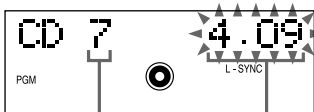
You can make a program of up to 25 tracks on a CD in any order that you want.

1 Press FUNCTION repeatedly until “CD” appears in the display.

You can switch the function to CD by pressing the CD button on the remote.

2 Press PLAY MODE DIRECTION (or PLAY MODE on the remote) in stop mode repeatedly until “PGM” appears in the display.

3 Press ◀◀ or ▶▶ repeatedly until the desired track number appears in the display.



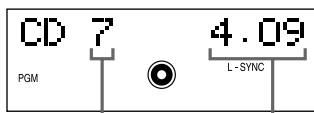
Selected track number

Playing time of the selected track

4 Press ENTER/YES on the remote.

The track is programmed.

“Step” appears, followed by the number of the track in the programmed sequence. Then the number of the last programmed track appears, followed by the total playing time of the program. If you have made a mistake, you can clear the last programmed track from the program by pressing CLEAR on the remote.



Last programmed track number

Total playing time

5 To program additional tracks, repeat steps 3 and 4.

6 Press CD ▶▶ (or ▶▶ on the remote).

To	Do this
Check the program order	Press ◀◀ or ▶▶ repeatedly during Program Play.
Check the total number of programmed tracks	Press DISPLAY on the remote in stop mode. The total number of programmed steps appears, and then the last programmed track number and the total playing time of the program.
Cancel Program Play	Press CD ■, then press PLAY MODE DIRECTION (or PLAY MODE on the remote) repeatedly until “PGM” and “SHUFFLE” disappear from the display.
Add a track to the end of the program	Do steps 3 and 4 with Program Play stopped.
Erase the last programmed track	Press CLEAR on the remote in stop mode. Each time you press the button, the last programmed track is erased.
Select the desired track using the number buttons on the remote	Press number buttons instead of performing steps 3 to 5. To use number buttons, see page 9.

Tips

- The program you made remains after Program Play finishes. To play the program again, switch the function to CD, and then press CD ▶▶ (or ▶▶ on the remote).
- “-.-” appears when the total CD program time exceeds 100 minutes, or when you select a CD track whose number is 21 or over.

Using the CD display

Press DISPLAY on the remote repeatedly.

When a CD TEXT disc is loaded, you can check the information recorded on the disc, such as the titles.

The display changes as follows:

During normal playback

Current track number and elapsed playing time of the track → Current track number and remaining playing time of the track → Remaining playing time of the entire CD → Track title of the current track* → Clock display → BASS level → TREBLE level → Current track number and elapsed playing time of the track → ...

While the CD is stopped

Total number of tracks and total playing time → CD disc title* → Clock display → BASS level → TREBLE level → Total number of tracks and total playing time → ...

* If a CD that has no title is loaded, nothing appears. When the CD contains 21 tracks or more, CD TEXT is not displayed from track 21 on.

Labeling a CD

— Disc Memo

You can label up to 50 CDs with titles of up to 20 symbols and characters. Whenever you load a labeled CD, the title appears in the display.

Notes

- You cannot label a CD for which “TEXT” appears in the display.
- **When labeling CDs for the first time, be sure to first erase all disc titles using the procedure “Erasing a disc title” on page 12.**

1 Press CD on the remote to switch the function to CD.

If “SHUFFLE” or “PGM” appears in the display, press PLAY MODE DIRECTION (or PLAY MODE on the remote) repeatedly until both disappear.

2 Press NAME EDIT/SELECT on the remote.

The cursor starts flashing.

3 Press NAME EDIT/SELECT on the remote repeatedly to select the desired type of character.

The display changes as follows:

Selected AB* (Upper cases) → Selected ab* (Lower cases) → Selected 12 (Numbers) → Selected AB* (Upper cases) → ...

* Press number 1 repeatedly to display the following symbols.

' - / , . () : ! ?

In addition, when the symbols above appear in the display, press ◀◀ or ▶▶ on the remote repeatedly to display the following symbols.

& + < > _ = " ; # \$ % @ * ` `

continued

Labeling a CD (continued)

4 Enter a character.

If you have selected uppercase or lowercase letters

- 1 Press the corresponding letter button repeatedly until the character to be entered flashes.

Or, press the button once and press **◀◀** or **▶▶** on the remote repeatedly.

- 2 Press **CURSOR→** on the remote.

The flashing character is entered and the cursor shifts to the right.

If you have selected numbers

Press the corresponding number button.

The number is entered and the cursor shifts to the right.

To enter a blank space

- 1 Press **NAME EDIT/SELECT** on the remote to select upper case or lower case letters.

- 2 Press **10/0** on the remote.

A blank space is entered and the cursor shifts to the right.

5 Repeat steps 3 and 4 to enter the rest of the name.

To change a character

Press **←CURSOR** or **CURSOR→** on the remote repeatedly until the character to be changed flashes, press **CLEAR** on the remote to erase the character, then repeat steps 3 and 4.

6 Press **ENTER/YES** on the remote to complete the labelling procedure.

To cancel labeling

Press **MENU/NO** on the remote.

Checking the disc titles

- 1 Press **MENU/NO** on the remote in stop mode.

- 2 Press **◀◀** or **▶▶** on the remote repeatedly until "Name Check ?" appears, then press **ENTER/YES** on the remote.

- 3 Press **◀◀** or **▶▶** on the remote repeatedly to select the disc titles stored in the system memory between 01 and 50.

To check the current disc title

Press **SCROLL** on the remote in stop mode.

Erasing a disc title

- 1 Press **MENU/NO** on the remote in stop mode.

- 2 Press **◀◀** or **▶▶** on the remote repeatedly until "Name Erase ?" appears, then press **ENTER/YES** on the remote.

- 3 Press **◀◀** or **▶▶** on the remote repeatedly to select the disc name to be erased.

- 4 Press **ENTER/YES** on the remote again. "Complete !" appears.

To erase all disc titles, press **◀◀** or **▶▶** on the remote repeatedly until "All Erase ?" appears in step 2, then press **ENTER/YES** on the remote twice.

To cancel erasing

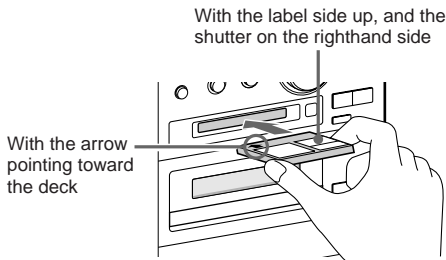
Press **MENU/NO** on the remote during steps 1 and 2.

Note

The disc titles are saved in the systems memory for about a day even if you disconnect the power cord or a power failure occurs.

Loading the MD

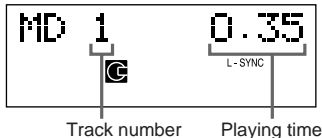
Load an MD.



Playing the MD

— Normal Play/Shuffle Play/Repeat Play

This system lets you play MDs in different play modes.



1 Press FUNCTION repeatedly until “MD” appears in the display.

You can switch the function to MD by pressing the MD button on the remote. The indicator surrounding the MD ►|| and MD ■ button lights up.

2 Press PLAY MODE DIRECTION (or PLAY MODE on the remote) in stop mode repeatedly until the mode you want appears in the display.

Select	To play
No display	The MD in original order.
SHUFFLE	The tracks on the MD in random order.
PGM	The tracks on the MD in any order that you want (see “Programming the MD tracks” on page 14).

3 Press MD ►|| (or ► on the remote).


Other operations

To	Do this
Stop play	Press MD ■.
Pause	Press MD ► (or on the remote). Press again to resume play.
Select a track	During playback or pause, press ◀◀ or ▶▶ repeatedly until you find the desired track.
Find a point in a track	During play, press and hold ◀◀ or ▶▶ until you find the desired point.
Play repeatedly (Repeat Play)	Press REPEAT repeatedly during playback until “REPEAT” or “REPEAT 1” appears in the display. REPEAT: For all the tracks on the MD up to 5 times. REPEAT 1: For only the currently playing. To cancel playing repeatedly, press REPEAT repeatedly until “REPEAT” and “REPEAT 1” disappear from the display.
Remove the MD	Press MD EJECT ▲.

continued



Playing the MD (continued)

Before inserting an MD

When the system is on, make sure the MD icon does not appear in the display. If it does, it means an MD is already loaded. Press MD EJECT  to remove the MD.

Tip

You can start playing from the desired track in Normal Play or Program Play.

Press  or  repeatedly until the desired track appears after step 3.

Or, press the number buttons on the remote. The playback automatically starts.

To enter track number over 10 (on the remote only)

1 Press >10 (Press twice to enter 100 or over).

2 Enter the corresponding digits.

To enter 0, press 10/0 instead.

Examples:

- To enter track number 30, press >10, then 3 and 10/0.
- To enter track number 108, press >10 twice, then 1, 10/0 and 8.

Programming the MD tracks



— Program Play

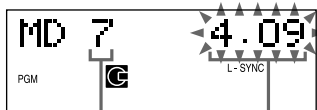
You can make a program of up to 25 tracks on an MD in any order that you want.

1 Press **FUNCTION** repeatedly until “MD” appears in the display.

You can switch the function to MD by pressing the MD button on the remote.

2 Press **PLAY MODE DIRECTION (or PLAY MODE on the remote)** in stop mode repeatedly until “PGM” appears in the display.

3 Press  or  repeatedly until the desired track number appears in the display.



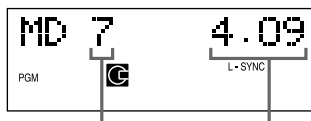
Selected track number

Playing time of the selected track

4 Press **ENTER/YES** on the remote.

The track is programmed.

“Step” appears, followed by the number of the track in the programmed sequence. Then the number of the last programmed track appears, followed by the total playing time of the program. If you have made a mistake, you can clear the last programmed track from the program by pressing **CLEAR** on the remote.



Last programmed track number

Total playing time

5 To program additional tracks, repeat steps 3 and 4.

6 Press MD ►II (or ► on the remote).

To	Do this
Check the program order	Press ◀◀ or ▶▶ repeatedly during Program Play.
Check the total number of programmed tracks	Press DISPLAY on the remote in stop mode. The last programmed track number appears, followed by the total number of programmed steps.
Cancel Program Play	Press MD ■, then press PLAY MODE DIRECTION (or PLAY MODE on the remote) repeatedly until "PGM" and "SHUFFLE" disappear from the display.
Add a track to the end of the program	Do steps 3 and 4 with program play stopped.
Erase the last programmed track	Press CLEAR on the remote in stop mode. Each time you press the button, the last programmed track is erased.
Select the desired track using the number buttons on the remote	Press number buttons instead of performing steps 3 to 5. To use number buttons, see page 14.

Tips

- The program you made remains after Program Play finishes. To play the same program again, switch the function to MD, and press MD ►II (or ► on the remote).
- "----" appears when the total MD program time exceeds 1000 minutes.

Using the MD display

Press DISPLAY on the remote repeatedly.

The display changes as follows:

During normal playback

Current track number and elapsed playing time of the track → Current track number and remaining playing time of the track → Remaining playing time of the entire MD → MD track title*¹ → Clock display → BASS level → TREBLE level → Current track number and elapsed playing time of the track → ...

While the MD is stopped

Total number of tracks and total playing time*² → Remaining recordable time (only for a recordable MD) → MD disc title*¹ → Clock display → BASS level → TREBLE level → Total number of tracks and total playing time*² → ...

*¹ Nothing appears when no disc or track title is labeled.

*² "----" appears when the total MD program time exceeds 1000 minutes.

Tip

You can check a track title at any time during play. If you press SCROLL on the remote, a track title appears scrolling in the display.

Press SCROLL on the remote at any point during the scroll display to stop the scrolling. Press SCROLL on the remote again to restart the scrolling.

Before you start recording

MDs (Mini Disc) let you digitally record and play music with high quality sound. Another feature of MDs is track marking. The track marking feature lets you quickly locate a specific point or easily edit the recorded tracks. However, depending on the source you record, the recording method and the way the track numbers are recorded differ.

When the source you record from is:

- This system's CD player
 - The MD deck performs digital recording.*¹
 - Track numbers are automatically marked as on the original CD.
- Other digital components connected to the DIGITAL OPTICAL IN jack
 - The MD deck performs digital recording.*¹
 - Track numbers are marked differently depending on the source you record.
- This system's tuner and other components connected to the ANALOG IN jack (e.g., a VCR)
 - The MD deck performs analog recording.*²
 - A track number is marked at the beginning of a recording, but when you turn on the Level-Synchro Recording function (see page 21), track numbers are automatically marked in sync with the level of the input signal.

*¹ For details on the limitations of digital recording, see page 46.

*² Even if a digital component is connected to the ANALOG IN jack, the MD deck performs analog recording.

When you use a partially recorded MD

Recording starts after the recorded tracks.

Note on MD track numbers

On an MD, the track numbers (track sequence), track start and end point information, etc., are recorded in the TOC*³ area independent of the sound information. You can edit recorded tracks quickly by modifying the TOC information.

*³ TOC: Table Of Contents

After recording

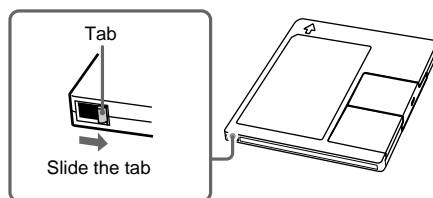
Press MD EJECT ▲ to remove the MD or press I/⏻ (power) to turn off the system.

“TOC” or “STANDBY” lights up or starts flashing. The TOC is updated and recording is completed.

Before pulling out the power cord MD recording is completed when the MD Table of Contents (TOC) is updated. The TOC is updated when you eject the MD or press I/⏻ to turn off the system. Do not pull out the power cord before updating the TOC (while “TOC” or “STANDBY” is lit) or while updating the TOC (while “TOC” or “STANDBY” is flashing) to ensure a complete recording.

Protecting a recorded MD

To protect a recorded MD, slide the tab on the side of the MD to open the slot. In this position, the MD cannot be recorded. To record on the MD, slide the tab to close the slot.



Recording a CD on an MD

— CD-MD Synchro Recording

- 1 Load a recordable MD.
- 2 Load a CD on the disc tray.
- 3 Press **SYNCHRO REC** repeatedly until **“CD-MD SYNC”** appears in the display.
- 4 Press **ENTER/START**.
“Press START” flashes in the display.
The MD deck stands by for recording and the CD player pauses for play.
- 5 Verify that **“Press START”** flashes in the display. Then press **ENTER/START**.
Recording starts.

To stop recording

Press **CD** ■ or **MD** ■.

Tips

- You can record only your favorite CD tracks with CD Program Play. After step 2, follow the same procedures as from step 1 to 5 in CD Program Play (see page 10). Then go to step 3.
- Depending on the disc, CD TEXT information may also be recorded (except when you record on an MD and a tape at the same time). If “TEXT” flashes during recording, see page 24.

Note

If the MD becomes full during recording, the CD player and the MD deck stop automatically.

Recording a CD on an MD with high speed

— CD-MD High-Speed Synchro Recording

You can make a digital recording of a CD on an MD at twice the speed of normal CD-MD Synchro Recording.

In step 3 of “Recording a CD on an MD”, press SYNCHRO REC repeatedly until “HISPEED SYNC” appears in the display.

In step 4, “x2” appears in the display.

During high speed recording, you cannot listen to the playback sound.

If “Retry” flashes in the display after you press **ENTER/START** in step 5

A reading failure has occurred, and the MD deck is trying to read the data again.

- If the retry was successful, the MD deck continues with CD-MD High-Speed Synchro Recording.
- If the condition of the loaded CD or the system is poor, and retry fails, CD-MD High-Speed Synchro Recording is disabled. In this case, “x1” flashes in the display and the MD deck automatically starts recording in normal CD-MD Synchro Recording. Note that monitoring of the recorded signal is not possible when this occurs.

continued

Recording a CD on an MD (continued)

Notes

- You cannot pause recording during CD-MD High-Speed Synchro Recording.
- If the play mode is set to the Repeat or Shuffle Play, it automatically switches to normal play at step 3 of "Recording a CD on an MD".
- The following items are either inoperative or cannot be used during CD-MD High-Speed Synchro Recording:
 - Auto Cut function.
 - Recorded signal monitoring.

Recording a CD on an MD and a tape at the same time

Load the CD you want to record. Then load a blank tape and recordable MD. Press SYNCHRO REC repeatedly until "DUAL SYNC" appears, and then perform step 4 through 6 of "Recording a CD on a tape" (see page 38).

Recording a tape on an MD

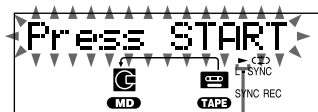
— TAPE-MD Synchro Recording

You can make an analog recording of a tape on an MD.

You can use Type I (normal) tape.

- 1 Load a recordable MD.
- 2 Load a tape.
- 3 Press SYNCHRO REC repeatedly until "TAPE-MD SYNC" appears in the display.
- 4 Press ENTER/START.

The MD deck stands by for recording and the tape deck pauses for play.



Tape playback side

▶ appears for the front side, and ◀ for the reverse side. To play the side not indicated, press TAPE ■ and remove the tape to reverse the tape side, then perform steps 3 and 4 again.

- 5 Verify that "Press START" flashes in the display. Then press ENTER/START. Recording starts.

To stop recording

Press TAPE ■ or MD ■.

Note

If the MD becomes full during recording, the tape deck and the MD deck stop automatically.

Recording on an MD manually

— Manual Recording

With manual recording, you can record just the portions you like from a CD, or start recording from the middle of the tape. You can also record a radio program.

- 1 **Load a recordable MD.**
- 2 **Press FUNCTION repeatedly to select the desired source to record.**
- 3 **Press MD REC ●.**
The MD deck stands by for recording.
- 4 **Press MD ►|| and start playing the desired source to record.**

To stop recording

Press MD ■.

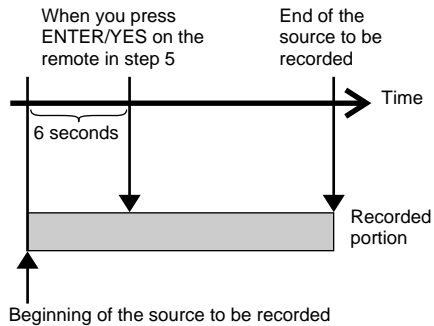
Tip

You can check the remaining recordable time on the MD during recording by pressing DISPLAY on the remote repeatedly.

Starting recording with 6 seconds of prestored audio data

— Time Machine Recording

When recording from an FM or satellite broadcast, the first few seconds of material are often lost due to the time it takes you to ascertain the contents and press the record button. To prevent the loss of this material, the Time Machine Recording feature constantly stores the most recent audio data in a buffer memory. This lets you record the sound from 6 seconds before starting recording, as shown in the illustration below:



- 1 **Load a recordable MD.**
- 2 **Press FUNCTION repeatedly to select the desired source to record.**
- 3 **Press MD REC ●.**
The MD deck stands by for recording.
- 4 **Start playing the desired source to record.**

continued

Starting recording with 6 seconds of prestored audio data (continued)

5 Press ENTER/YES on the remote at the desired point to start recording.

To stop Time Machine Recording
Press MD ■.

Note

The MD deck starts storing audio data when the deck stands by for recording in step 3 and you start playing the source. If less than 6 seconds have passed when you press ENTER/YES on the remote, Time Machine Recording starts with less than 6 seconds of audio data.

Recording tips

— Recording for long times/Marking track numbers/Smart space/Adjusting the recording level

Recording for long times

In addition to normal stereo recording, this system has two long time modes: LP2 and LP4. When recording in LP2 mode, you can record 2 times the normal recordable time, and in LP4 mode, you can record 4 times the normal recordable time. In addition, the recordable time for monaural recording is approximately double the stereo recording time.

LP4 Stereo mode (4× long time recording mode) achieves a long stereo recording time by use of a special compression system. When placing emphasis on sound quality, Stereo recording or LP2 Stereo recording (2× long time recording mode) is recommended.

1 Before recording (CD-MD Synchro Recording, etc.), press REC MODE repeatedly to select the recording mode you want.

The display changes as follows:

STEREO REC → LP2 REC → LP4 REC
→ MONO REC (Monaural) → STEREO
REC → ...

2 Start recording.

Changing the recording mode

The selected recording mode is kept even after recording has finished, so be sure to check the recording mode before recording. To change the recording mode, press REC MODE repeatedly to switch to the recording mode you want.

Notes

- MDs recorded in MDLP (LP2 or LP4) mode cannot be played back on a system that does not support MDLP mode. In addition, you cannot perform S.F Edit, etc., for MDs recorded in MDLP mode.
- Even if you press REC MODE during recording or recording pause, you cannot change the recording mode.
- Even if you press REC MODE repeatedly to select MONO, the monitor signal during recording does not become monaural.

To add “LP:” at the beginning of a track name during MDLP recording “LP:” appears when you try to play the track on a system that does not support MDLP mode. This convenient function lets you know at a glance that the track cannot be played back. The factory setting is “On”.

- 1 Press FUNCTION repeatedly until “MD” appears in the display.
- 2 Press MENU/NO on the remote repeatedly until “Setup Menu” appears.
- 3 Press ◀◀ or ▶▶ on the remote until “LP Stamp On” (or “LP Stamp Off”) appears, then press ENTER/YES on the remote.
- 4 Press ◀◀ or ▶▶ on the remote to select the setting, then press ENTER/YES on the remote.

To	Select
Add “LP”	LP Stamp On (factory setting)
Cancel adding “LP”	LP Stamp Off

- 5 Press MENU/NO on the remote.

Notes

- The recorded “LP:” is a stamp which appears to indicate that the track cannot be played back when you try to play the track on system that does not support MDLP mode. It does not appear for systems that support MDLP mode.
- When set to “On”, “LP:” is recorded as the track name, so the number of characters that can be input to an MD is reduced. In addition, when you copy a track name with “LP:” added, “LP:” is automatically added to the copied track name. If you divide an “LP:” track using the Divide function, “LP:” is also added to the latter track.

Marking track numbers

• **Automatically during recording**

Track numbers are automatically marked as on the original source during recording from this system’s CD player. Use the Level-Synchro Recording function to automatically mark track numbers during recording from this system’s tuner or components connected to the ANALOG IN jack.

• **At any point during recording**

You can mark track numbers during recording of any source (see page 22).

• **After recording**

Use the Divide Function (see page 29).

Marking track numbers automatically during recording — Level-Synchro Recording

The Level-Synchro Recording function is factory set to on, so the track numbers are automatically marked. If “L-SYNC” does not appear during recording, turn on the Level-Synchro Recording as follows. Track numbers are automatically marked when the input signal is continuously below a certain level for more than 2 seconds and then exceeds that level.

Notes

- You cannot mark track numbers automatically if the sound source to be recorded is noisy (e.g., tapes or radio programs).
- Only one track number might be assigned when the same single track of the same CD is recorded repeatedly.

- 1 Press FUNCTION repeatedly until “MD” appears in the display.
- 2 Press MENU/NO on the remote repeatedly until “Setup Menu” appears in the display.
- 3 Press ◀◀ or ▶▶ on the remote repeatedly until “T.Mark Off” (or “T.Mark LSync”) appears, then press ENTER/YES on the remote.
- 4 Press ◀◀ or ▶▶ on the remote repeatedly to select the setting, then press ENTER/YES on the remote.

To	Select
Turn on the Level Synchro Recording function	T.Mark LSync (factory setting)
Turn off the Level Synchro Recording function	T.Mark Off

When you set the Level Synchro Recording function, “L-SYNC” lights up.

- 5 Press MENU/NO on the remote. To continue and record, follow the procedures described on the various recording pages.

continued

Recording tips (continued)

To change the trigger level for Level Synchro Recording

Perform the following procedure to change the signal level that triggers Level Synchro Recording.

- 1 Press **FUNCTION** repeatedly to switch the function to MD.
- 2 Press **MENU/NO** on the remote repeatedly until "Setup Menu" appears.
- 3 Press **◀◀** or **▶▶** for the MD until "LS(T)" appears, then press **ENTER/YES** on the remote.
- 4 Press **◀◀** or **▶▶** for the MD to select the level, then press **ENTER/YES** on the remote.

You can set the level at any value between -72 dB and 0 dB, in 2 dB steps.

- 5 Press **MENU/NO** on the remote.

Marking track numbers at a specific point during recording

— Track Mark

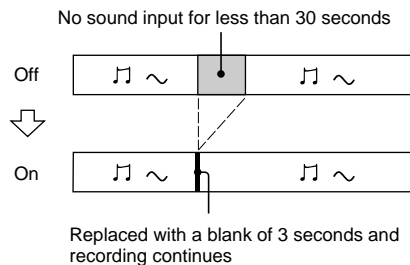
You can mark track numbers at any time during manual recording, regardless of the type of sound source.

Press **MD REC** ● during manual recording at the point you want to add a track mark.

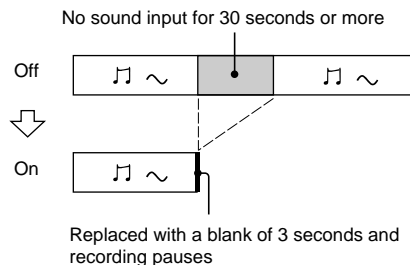
The tracks following the added one are renumbered.

Making a space between tracks 3 seconds long — Smart Space

Smart Space: Lets you make the blank spaces between tracks 3 seconds long automatically while recording. If the Smart Space function is on and there is no sound input for about 3 seconds or more (but less than 30 seconds) while recording, the MD deck replaces this silence with a blank of about 3 seconds and continues recording.



Auto Cut: When the Smart Space function is on, if there is no sound input for 30 seconds or more, the MD deck replaces this silence with a blank of about 3 seconds and enters recording pause.



- 1 Press **FUNCTION** repeatedly until “MD” appears in the display.
- 2 Press **MENU/NO** on the remote repeatedly until “Setup Menu” appears in the display.
- 3 Press **◀◀** or **▶▶** on the remote repeatedly until “S.Space Off” (or “S.Space On”) appears, then press **ENTER/YES** on the remote.
- 4 Press **◀◀** or **▶▶** on the remote repeatedly to select the setting, then press **ENTER/YES** on the remote.

To	Select
Turn on the Smart Space function	S.Space On (factory setting)
Turn off the Smart Space function	S.Space Off

- 5 Press **MENU/NO** on the remote.

To continue and record, follow the procedures described on the various recording pages.

Tip

To restart the recording when “Auto Cut” appears in the display, press **▶** on the remote.

Adjusting the recording level

When recording on an MD, you can adjust the recording level to the desired volume. You can adjust the recording level not only when making an analog recording, but also when making a digital recording from a CD, etc.

- 1 **Prepare the desired sound source to record and start play.**
- 2 **Confirm that the MD deck is in recording standby.**
If not, press **MD REC** ●.
- 3 **Press MENU/NO on the remote repeatedly until “Setup Menu” appears in the display.**

- 4 Press **◀◀** or **▶▶** on the remote repeatedly until “LevelAdjust?” appears, then press **ENTER/YES** on the remote.

- 5 Press **◀◀** or **▶▶** on the remote to adjust the recording level.

Make sure that “OVER” does not appear in the display at the loudest portion.

- 6 Press **ENTER/YES** on the remote.

- 7 Press **MENU/NO** on the remote.

- 8 Press **■** on the remote.

To continue and record, follow the procedures described on the various recording pages.

Tips

- You can also adjust the recording level during recording.
- Once adjusted, the recording level is maintained until you adjust it again.

Before you start editing

Before editing

You can edit an MD only when:

- The MD is recordable.
- The MD play mode is normal play.

Check the following, before editing.

1 Check the tab of the MD to be edited.

If the MD is record protected, “C11” and “Protected” appear alternately and the MD cannot be edited.

Slide the tab to close the slot.

2 Press **PLAY MODE DIRECTION** (or **PLAY MODE** on the remote) repeatedly until both “**PGM**” and “**SHUFFLE**” disappear.

You can edit the MD only in normal play mode. You cannot edit the MD in Shuffle or Program Play.


To cancel the last edit (page 31)

Use undo function to cancel the last edit and restore the contents of the MD to the condition before the edit.

To quit while editing

Press **MENU/NO** on the remote.

After editing

Press **MD EJECT**  to remove the MD or press **I/⏻** (power) to turn off the system.

“**TOC**” or “**STANDBY**” lights up or starts flashing. The **TOC** is updated and editing is completed.

Before pulling out the power cord MD editing is completed when the MD Table of Contents (**TOC**) is updated. The **TOC** is updated when you eject the MD or press **I/⏻** to turn off the system. Do not pull out the power cord before updating the **TOC** (while “**TOC**” or “**STANDBY**” is lit) or while updating the **TOC** (while “**TOC**” or “**STANDBY**” is flashing) to ensure a complete editing.

Labeling an MD

— Name Function

You can create titles for your recorded MDs and tracks as follows.

During recording

If “**TEXT**” lights up or flashes during recording, you can record the **CD TEXT** information onto the MD as follows:

- Automatically during recording
If you record on an unrecorded or completely erased (see page 27) MD when “**TEXT**” is lit, the **CD TEXT** information is automatically recorded.
- Manually during recording
When “**TEXT**” flashes, press **NAME EDIT/SELECT** on the remote, and then press **ENTER/YES** on the remote to record the title of the current track.

Notes

- Depending on the disc, the **CD TEXT** information may not be recorded automatically.
- However, the **CD** disc title is not recorded when recording a **CD** on an **MD** and a tape at the same time.

After recording

Use Name Function on page 24. You can input a total of approximately 1700 characters for the disc title and track titles on a single MD.

1 Press MD on the remote to switch the function to MD.

To label a track, press ◀◀ or ▶▶ on the remote repeatedly until the desired track number appears.

2 Press NAME EDIT/SELECT on the remote.

The cursor starts flashing.

3 Press NAME EDIT/SELECT on the remote repeatedly to select the desired type of character.

The display changes as follows:

Selected AB* (Upper cases) → Selected ab* (Lower cases) → Selected 12 (Numbers) → Selected AB* (Upper cases) → ...

* Press number 1 repeatedly to display the following symbols.

' - / , . () : ! ?

In addition, when the symbols above appear in the display, press ◀◀ or ▶▶ on the remote repeatedly to display the following symbols.

& + < > _ = " ; # \$ % @ * `

4 Verify that a cursor flashes in the display. Then enter a character.

If you have selected uppercase or lowercase letters

1 Press the corresponding letter button repeatedly until the character to be entered flashes.

Or, press the button once and press ◀◀ or ▶▶ on the remote repeatedly.

2 Press CURSOR→ on the remote.

The flashing character is entered and the cursor shifts to the right.

If you have selected numbers

Press the corresponding number button.

The number is entered and the cursor shifts to the right.

To enter a blank space

1 Press NAME EDIT/SELECT on the remote to select upper case or lower case letters.

2 Press 10/0 on the remote.

A blank space is entered and the cursor shifts to the right.

5 Repeat steps 3 and 4 to enter the rest of the name.

To change a character

Press ←CURSOR or CURSOR→ on the remote repeatedly until the character to be changed flashes, press CLEAR on the remote to erase the character, then repeat steps 3 and 4.

6 Press ENTER/YES on the remote to complete the labeling procedure.

The titles you labeled appear sequentially, and then the original display appears.

Note

You can label a track title during play. The playback repeats until you finish labeling.

continued

Labeling an MD (continued)

Copying a disc or track title

You can copy a labeled disc or track title to use it as a title of another track or the disc title within a disc.

- 1 Press **MENU/NO** on the remote in stop mode.
- 2 Press **◀** or **▶** on the remote repeatedly until “Name ?” appears, then press **ENTER/YES** on the remote.
- 3 Press **◀** or **▶** on the remote repeatedly until “Nm Copy ?” appears, then press **ENTER/YES** on the remote.
- 4 Press **◀** or **▶** on the remote repeatedly to select “Disc” (when copying the disc title) or the track number with the title you want to copy, then press **ENTER/YES** on the remote.
- 5 Press **◀** or **▶** on the remote repeatedly to select the copy destination track number or “Disc” (when copying as the disc title), then press **ENTER/YES** on the remote.

When “Overwrite ??” appears

The copy destination already has a disc or track title. To continue and copy the title, press **ENTER/YES** on the remote.

Checking the titles

To check the disc titles, press **SCROLL** on the remote in stop mode. To check the track title, press **SCROLL** on the remote during play. The title appears scrolling in the display. To stop scrolling, press **SCROLL** on the remote. Press the button again to resume scrolling.

Erasing the titles

- 1 Press **MENU/NO** on the remote in stop mode.
- 2 Press **◀** or **▶** on the remote repeatedly until “Name ?” appears, then press **ENTER/YES** on the remote.
- 3 Press **◀** or **▶** on the remote repeatedly until “Nm Erase?” appears, then press **ENTER/YES** on the remote.
- 4 Press **◀** or **▶** on the remote repeatedly until the desired track number or “Disc” when you want to erase the disc title to erase appears, then press **ENTER/YES** on the remote.

To erase all the titles

Press **◀** or **▶** on the remote repeatedly until “Nm All Ers?” appears in step 3, then press **ENTER/YES** on the remote twice.

Erasing recordings

— Erase Function

The MD deck lets you erase unwanted tracks quickly and easily.

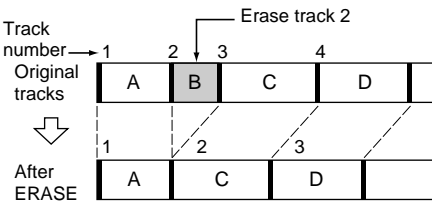
The three options for erasing recordings are:

- Erasing a single track (Track Erase Function)
- Erasing all tracks (All Erase Function)
- Erasing a portion of a track (A-B Erase Function)

Erasing a single track — Track Erase Function

You can erase a track simply by selecting its track number. When you erase a track, the total number of tracks on the MD decreases by one and all the tracks following the erased one are renumbered.

Example: Erasing track 2.



- 1 Press MD on the remote to switch the function to MD.
- 2 Press MENU/NO on the remote to display “Edit Menu”.
- 3 Press I◀◀ or ▶▶I on the remote repeatedly until “Tr Erase?” appears, then press ENTER/YES on the remote.

4 Press I◀◀ or ▶▶I on the remote repeatedly until the desired track number appears.

5 Press ENTER/YES on the remote. “Complete !” appears.

Note

“Erase???” appears when the track was recorded or edited on another deck and then protected. To erase the track, press ENTER/YES on the remote while “Erase???” appears.

Erasing all tracks — All Erase Function

You can erase the disc title, all recorded tracks and their titles at once.

- 1 Press MD on the remote to switch the function to MD.
- 2 Press MENU/NO on the remote to display “Edit Menu”.
- 3 Press I◀◀ or ▶▶I on the remote repeatedly until “All Erase ?” appears, then press ENTER/YES on the remote. “All Erase ??” appears.
- 4 Press ENTER/YES on the remote again. “Complete !” appears.

continued

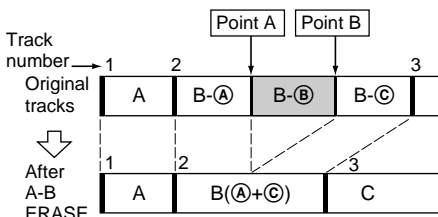
Erasing recordings (continued)

Erasing a portion of a track — A-B Erase Function

You can specify a portion within a track and erase the portion with ease. You can shift the desired portion by frame*, minute or second intervals.

* 1 frame is 1/86 second.

Example: Erasing a portion of track 2.



- 1 Press MD on the remote to switch the function to MD.
- 2 Press MENU/NO on the remote to display "Edit Menu."
- 3 Press ◀◀ or ▶▶ on the remote repeatedly until "A-B Erase ?" appears, then press ENTER/YES on the remote.
- 4 Press ◀◀ or ▶▶ on the remote repeatedly to select the track you want to erase a portion of it, then press ENTER/YES on the remote.
"—Rehearsal—" and "Point A ok?" appear alternately while the deck plays the selected track from the beginning to point A.
- 5 While monitoring the sound, press ◀◀ or ▶▶ on the remote repeatedly to find the starting point of the portion to be erased (point A).

You can shift the starting point by 1/86 second (1 frame) intervals*.

To shift the point by second or minute intervals, press ◀◀ or ▶▶ on the remote so that second or minute flashes, then press ◀◀ or ▶▶ on the remote.

* You can shift the starting point by 2-frame intervals (in Monaural mode and LP2 Stereo mode) or by 4-frame intervals (in LP4 Stereo mode).

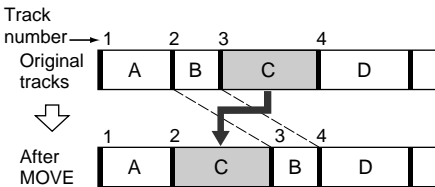
- 6 Repeat step 5 until point A is played correctly.
- 7 Press ENTER/YES on the remote if point A is correct.
"Point B set" appears and playback for setting the ending point of the portion to be erased (point B) starts.
- 8 Continue playback until the deck reaches point B, then press ENTER/YES on the remote.
"A-B Ers" and "Point B ok?" appear alternately and the deck repeats a portion of the few seconds before point A and after point B successively.
- 9 Press ◀◀ or ▶▶ on the remote repeatedly to find point B.
The procedure is the same as step 5.
- 10 Press ENTER/YES on the remote if point B is correct.
"Complete !" appears.

Moving recorded tracks

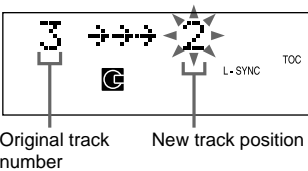
— Move Function

You can use this function to change the order of any track on the disc. When you move tracks, the tracks are automatically renumbered.

Example: Moving track 3 to position 2.



- 1 Press MD on the remote to switch the function to MD.
- 2 Press MENU/NO on the remote to display “Edit Menu.”
- 3 Press ◀ or ▶ on the remote repeatedly until “Move ?” appears, then press ENTER/YES on the remote.
- 4 Press ◀ or ▶ on the remote repeatedly until the desired track number to move appears, then press ENTER/YES on the remote.
- 5 Press ◀ or ▶ on the remote repeatedly until the new track position appears.



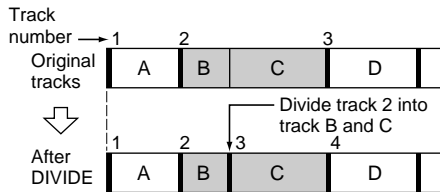
- 6 Press ENTER/YES on the remote.
“Complete !” appears.

Dividing recorded tracks

— Divide Function

You can use this function to mark track numbers after recording. The total number of tracks increases by one and all the tracks following the divided ones are renumbered.

Example: Dividing track 2 into two tracks.



- 1 Press MD on the remote to switch the function to MD.
- 2 Press MENU/NO on the remote to display “Edit Menu.”
- 3 Press ◀ or ▶ on the remote repeatedly until “Divide ?” appears, then press ENTER/YES on the remote.
- 4 Press ◀ or ▶ on the remote repeatedly until the desired track number to divide appears. Then, while listening to rehearsal play, press ENTER/YES on the remote at the point where you want to divide the track.
“—Rehearsal—” appears and the portion to be divided is played repeatedly.

continued

Dividing recorded tracks (continued)

- 5 While monitoring the sound, press **I◀◀** or **▶▶I** on the remote repeatedly to adjust the point to be divided.

You can shift the point by 1/86 second (1 frame) intervals*.

To shift the point by second or minute intervals, press **◀◀** or **▶▶** on the remote so that second or minute flashes, then press **I◀◀** or **▶▶I** on the remote.

* You can shift the starting point by 2-frame intervals (in Monaural mode and LP2 Stereo mode) or by 4-frame intervals (in LP4 Stereo mode).

- 6 Press **ENTER/YES** on the remote.

“Complete !” appears.

Note

If you divide a labeled track (see page 24) into two tracks, only the first track retains the track title.

Example:



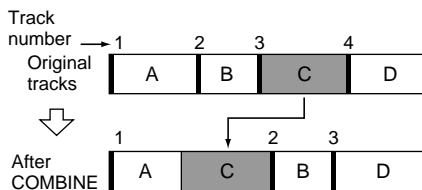
Combining recorded tracks

— Combine Function

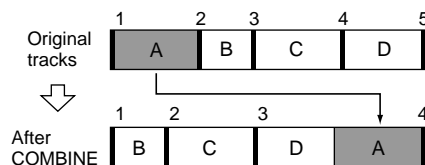
You can use this function to combine 2 tracks into a single track. The total number of tracks decreases by one and all tracks following the combined ones are renumbered.

You can also use this function to erase unnecessary track numbers.

Example: Combining track 3 to track 1.



Example: Combining track 1 to track 4.

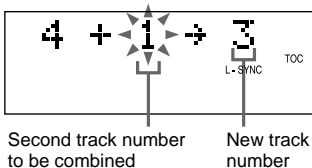


- 1 Press **MD** on the remote to switch the function to **MD**.
- 2 Press **MENU/NO** on the remote to display “Edit Menu.”
- 3 Press **I◀◀** or **▶▶I** on the remote repeatedly until “Combine ?” appears, then press **ENTER/YES** on the remote.

- 4 Press **◀◀** or **▶▶** on the remote repeatedly until the first track number of the two to be combined appears, then press **ENTER/YES** on the remote.

For example, to combine tracks 4 and 1, select 4.

- 5 Press **◀◀** or **▶▶** on the remote repeatedly until the second track number of the two to be combined appears.



- 6 Press **ENTER/YES** on the remote. “Complete !” appears.

Notes

- Tracks recorded in different recording modes (stereo, LP2, LP4 or MONO) cannot be combined.
- If both of the combined tracks have track titles, the title of the second track is erased.

Undoing the last edit

— Undo Function

You can use this function to cancel the last edit and restore the contents of the MD to the condition before the edit.

Note, however, that you cannot undo an edit if you do any of the following after the edit:

- Do another edit.
- Press the MD REC ● or ENTER/START button.
- Update the TOC by turning off the system or ejecting the MD.
- Disconnect the power cord.

- 1 Press **MENU/NO** on the remote in stop mode to display “Edit Menu.”

- 2 Press **◀◀** or **▶▶** on the remote repeatedly until “Undo ?” appears in the display.

“Undo ?” does not appear, when there is no editing function that can be canceled.

- 3 Press **ENTER/YES** on the remote.

A message appears, depending on the last edit.

- 4 Press **ENTER/YES** on the remote again. “Complete !” appears.

Changing the recording level after recording

— S.F Edit

You can change the volume of the recorded tracks using S.F (Scale Factor) Edit. The original track is recorded over at the new recording level. When changing the recording level, you can select Fade-in Recording to gradually increase the signal level at the start of recording, or Fade-out Recording to gradually decrease the signal level at the end of the recording.

Changing the overall recording level

- 1 Press **MD** on the remote to switch the function to **MD**.
- 2 Press **PLAY MODE** on the remote repeatedly until both “**PGM**” and “**SHUFFLE**” disappear.
- 3 Press **MENU/NO** on the remote to display “**Edit Menu.**”
- 4 Press **◀◀** or **▶▶** on the remote repeatedly until “**S.F Edit ?**” appears in the display, then press **ENTER/YES** on the remote.
- 5 Press **◀◀** or **▶▶** on the remote repeatedly until “**Tr Level?**” appears in the display, then press **ENTER/YES** on the remote.

- 6 Press **◀◀** or **▶▶** on the remote repeatedly to select the track number you want to change the recording level of, then press **ENTER/YES** on the remote.

“Level 0dB” appears.

- 7 While monitoring the sound, press **◀◀** or **▶▶** on the remote repeatedly to change the recording level.

The recording level can be adjusted from -12 dB to +12 dB in 2 dB increments.

Adjust the recording level so as not to light up “**OVER**” at the strongest sound.

- 8 Press **ENTER/YES** on the remote.

“S.F Edit OK?” appears.

- 9 Press **ENTER/YES** on the remote.

“S.F Edit: **%” appears while the track is being recorded. An amount of time that is roughly equal to or longer than the playback time of the track is required when recording over the track. When the recording finishes, “**Complete !**” appears for a few seconds.

To cancel the operation

Press **MENU/NO** on the remote during step 2 through 8. If you press **ENTER/YES** on the remote in step 9 and start recording, you cannot interrupt the operation.

Fade-in and Fade-out Recording

- 1 Press **MD** on the remote to switch the function to **MD**.
- 2 Press **PLAY MODE** on the remote repeatedly until both “**PGM**” and “**SHUFFLE**” disappear.
- 3 Press **MENU/NO** on the remote to display “**Edit Menu.**”

4 Press \lll or \ggg on the remote repeatedly until “S.F Edit ?” appears in the display, then press ENTER/YES on the remote.

5 Press \lll or \ggg on the remote repeatedly until “Fade In?” or “Fade Out?” appears in the display, then press ENTER/YES on the remote.

6 Press \lll or \ggg on the remote repeatedly to select the track number you want to Fade-in or Fade-out, then press ENTER/YES on the remote.
“Time 5.0s” appears.

7 While monitoring the sound, press \lll or \ggg on the remote repeatedly to change the Fade-in, or Fade-out recording time.

The system plays the portion that will be recorded over using the Fade-in or Fade-out Recording. You can set the time at any value between 1.0 second and 15.0 seconds in 0.1-second increments. You cannot set the time longer than the track.

8 Press ENTER/YES on the remote.
“S.F Edit OK?” appears.

9 Press ENTER/YES on the remote.
“S.F Edit: **%” appears while the track is being recorded. When the recording finishes, “Complete !” appears for a few seconds.

To cancel the operation

Press MENU/NO on the remote during step 2 through 8. After recording starts in step 9, you cannot interrupt the operation.

Notes

- You can not use the S.F Edit Function for tracks recorded in MDLP mode.
- You can not undo the S.F Edit Function even if you use the Undo Function.
- Do not disconnect the power cord or move the system while recording is in progress. This may damage the recording data, preventing recording from being performed properly.
- Do not use an MD that is damaged or dirty, this may prevent data from being recorded properly.
- Repeatedly changing the recording level results in poor sound quality.
- The recording level will not return to the exact original level once the recording level has been changed even if it is returned to the original level.
- While the timer is activated, you cannot change the recording level.
- You cannot return to the original condition after changing the recording level.

Presetting radio stations

The system can store a total of 30 preset stations (20 for FM and 10 for AM).

1 Press TUNER BAND to select FM or AM.

2 Press TUNING MODE repeatedly until “AUTO” appears in the display.

3 Press TUNING – or +.

The frequency changes as the system scans for a station. Scanning stops automatically when a station is tuned in. At that time, “TUNED” and “STEREO” (for stereo program only) appear.

4 Press MENU/NO on the remote.

A preset number flashes.

5 Press ◀◀ or ▶▶ on the remote repeatedly until “Memory?” appears, then press ENTER/YES on the remote.

A preset number appears in the display. The stations are stored from preset number 1.



Preset number

6 Press ENTER/YES on the remote.

“Complete !” appears, and then the station is stored.

7 Repeat steps 1 through 6 to preset other stations.

To stop scanning
Press TUNING MODE.

To tune in a weak station
In step 3, press TUNING MODE repeatedly until “AUTO” and “PRESET” disappear from the display, then press TUNING – or + repeatedly to tune in the station.

To change the preset number
Start over from step 1.

Note

You cannot change the AM tuning interval in the Power saving mode.

Tip

The preset stations are saved in the system’s memory for about a day even if you disconnect the power cord or a power failure occurs.

Listening to the radio

— Preset Tuning

Presetting radio stations in the system's memory in advance make it easy to tune in those stations later (see "Presetting radio stations" on page 34).

- 1 Press TUNER BAND to select FM or AM.**
- 2 Press TUNING MODE repeatedly until "PRESET" appears in the display.**
- 3 Press TUNING – or + repeatedly to display the preset number of the desired station.**

The preset number scrolls in the display, followed by the frequency (or station name* or RDS station name**).

* The station name appears only if you have labeled the station (see page 36).

** European model only

To turn off the radio

Press .

To enter preset number over 10
(on the remote only)

- 1 Press >10.**
- 2 Enter the corresponding digits.**

To enter 0, press 10/0 instead.

Example:

To enter preset number 20, press >10, then 2 and 10/0.

To tune in a non-preset radio station

- In step 2, press TUNING MODE repeatedly until "AUTO" and "PRESET" disappear from the display, then press TUNING – or + repeatedly to tune in the desired station (Manual Tuning).
- In step 2, press TUNING MODE repeatedly until "AUTO" appears in the display, then press TUNING – or +. The frequency indication changes and the scanning stops when the system tunes in a station (Automatic Tuning).

To cancel Automatic Tuning
Press TUNING MODE.

Tips

- If there is static during an FM broadcast, press STEREO/MONO until "MONO" appears in the display. The broadcast will no longer be in stereo, but the reception will improve.
- To improve the reception, adjust the supplied antennas or connect an external antenna.

Labeling the preset stations

— Station Name

You can label each preset station with up to 12 characters (Station Name).

- 1 Tune the desired station you want to label (see page 35).**
- 2 Follow the same procedures as from step 2 to 6 on “Labeling a CD” (see page 11).**

To check the preset number and frequency

The station name appears when you tuned the labeled station.

To check the preset number and frequency, press DISPLAY on the remote. The preset number and frequency appear, followed by the station name.

To erase the station name

- 1 Tune the station.**
- 2 Press NAME EDIT/SELECT on the remote.**
- 3 Press CLEAR on the remote repeatedly to erase the name.**
- 4 Press ENTER/YES on the remote.**

Using the Radio Data System (RDS)

(European model only)

What is the Radio Data System?

Radio Data System (RDS)* is a broadcasting service that allows radio stations to send additional information along with the regular program signal.

Note

RDS may not work properly if the station you have tuned in is not transmitting the RDS signal properly or if the signal is weak.

* Not all FM stations provide RDS service, nor do they all provide the same type of services. If you are not familiar with the RDS system, check with your local radio stations for details on RDS services in your area.

Receiving RDS broadcasts

Simply select a station from the FM band.

When you tune in a station that provides RDS services, the station name appears in the display.

To check the RDS information

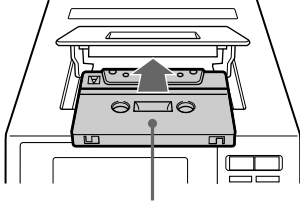
Each time you press DISPLAY on the remote, the display changes as follows:

Station name* → Frequency → Clock display
→ BASS → TREBLE → Station name* →
...

* If the RDS broadcast is not properly received, the station name may not appear in the display.

Loading a tape

- 1 Press **PUSH** ▲.
- 2 Load a recorded/recordable tape into the cassette holder.



With the side you want to play/record on facing towards you

Playing a tape

You can use Type I (normal) tape.

- 1 Load a recorded tape into the cassette holder.
- 2 Press **FUNCTION** until “TAPE” appears in the display.

The indicator surrounding the TAPE ◀▶ and TAPE ■ buttons lights up.

- 3 Press **PLAY MODE DIRECTION** repeatedly to select “↔” to play one side of the tape, “↔▶” to play both sides, or “◀↔”* to play both sides repeatedly.

* The tape automatically stops after playing back five times.

- 4 Press **TAPE** ◀▶.

Press **TAPE** ◀▶ again to play the reverse side. The tape starts playing back.

Other Operations

To	Do this
Stop playback	Press TAPE ■.
Pause	Press TAPE ■. Press again to resume playback.
Fast-forward or rewind	With the tape stopped, press ◀◀ or ▶▶.
Remove the tape	Press PUSH ▲.

Recording a CD on a tape

— *CD-TAPE Synchro Recording*

You can use Type I (normal) tape.

- 1 **Load a recordable tape.**
- 2 **Load a CD.**
- 3 **Press SYNCHRO REC repeatedly until “CD-TAPE SYNC” appears in the display.**
- 4 **Press ENTER/START.**
The tape deck stands by for recording and the CD player pauses for play.
When you want to record on the reverse side, press TAPE ◀▶ so that “◀” appears in the display.
- 5 **Press PLAY MODE DIRECTION repeatedly until ⇄ appears to record on one side or ⇄ (or ⇄) to record on both sides.**
- 6 **Verify that “Press START” flashes in the display. Then press ENTER/START.**
Recording starts.

To stop recording

Press CD ■ or TAPE ■.

Tips

- When you record on both sides, be sure to start from the front side. If you start from the reverse side, recording stops at the end of the reverse side.
- If you select both sides recording and the tape reaches the end of the front side part-way through a track, the entire track is recorded again from the beginning of the reverse side.
- You can record only your favorite CD tracks with CD Program Play. After step 2, follow the same procedures as from step 1 to 5 in CD Program Play (see page 10). Then go to step 3.

Recording a CD on an MD and a tape at the same time

Load the CD you want to record. Then load a recordable tape and MD. Press SYNCHRO REC repeatedly until “DUAL SYNC” appears and then perform step 4 through 6 of “Recording a CD on a tape”.

To stop recording

Press CD ■, MD ■ or TAPE ■.

Tips

- Even if the MD or the tape ends part-way through the recording, the other continues recording.
- If you select both sides recording and the tape reaches the end of the front side part-way through a track, the entire track is recorded again from the beginning of the reverse side. In this case, the entire track may also be recorded again on the MD.
- You can record only your favorite CD tracks with CD Program Play. After step 2, follow the same procedures as from step 1 to 5 in CD Program Play (see page 10). Then go to step 3.

Recording an MD on a tape

— *MD-TAPE Synchro Recording*

You can use Type I (normal) tape.

- 1 **Load a recordable tape.**
- 2 **Load an MD.**
- 3 **Press SYNCHRO REC repeatedly until “MD-TAPE SYNC” appears in the display.**

4 Press ENTER/START.

The tape deck stands by for recording and the MD deck pauses for play.

When you want to record on the reverse side, press TAPE ◀▶ so that “◀” appears in the display.

5 Press PLAY MODE DIRECTION repeatedly until ↔ appears to record on one side or ↔ (or (↔)) to record on both sides.**6 Verify that “Press START” flashes in the display. Then press ENTER/START.**
MD playing and tape recording start.

To stop recording

Press MD ■ or TAPE ■.

Note

If the tape becomes full during recording, the MD deck and the tape deck stop automatically.

Tips

- You can record only your favorite MD tracks with MD Program Play. After step 2, follow the same procedures as from step 1 to 5 in MD Program Play (see page 14). Then go to step 3.
- When you record on both sides, be sure to start from the front side. If you start from the reverse side, recording stops at the end of the reverse side.
- If you select both sides recording and the tape reaches the end of the front side part-way through a track, the entire track is recorded again from the beginning of the reverse side.

Recording on a tape manually

— Manual Recording

With manual recording, you can record just the portions you like from a CD or an MD on a tape. You can also record a radio program.

You can use Type I (normal) tape.

1 Load a recordable tape.**2 Press FUNCTION repeatedly to select the desired source to record.****3 Press TAPE REC ●.**

The tape deck stands by for recording.

When you want to record on the reverse side, press TAPE ◀▶ so that “◀” appears in the display.

4 Press PLAY MODE DIRECTION repeatedly until ↔ appears to record on one side or ↔ (or (↔)) to record on both sides.**5 Press TAPE II and then start playing the desired source to record.**

To stop recording

Press TAPE ■.

Tips

- When you record on both sides, be sure to start from the front side. If you start from the reverse side, recording stops at the end of the reverse side.
- If you select both sides recording and the tape reaches the end of the front side part-way through a track, the entire track is recorded again from the beginning of the reverse side.

Adjusting the sound

Generating a more dynamic sound
(Dynamic Sound Generator)

Press DSG.

To cancel the DSG, press DSG again.

Adjusting the bass

Turn BASS.

You can adjust the bass in 7 steps.

Adjusting the treble

Turn TREBLE.

You can adjust the treble in 7 steps.

To adjust the bass and treble using
the remote

- 1 Press BASS/TRE repeatedly to select BASS or TREBLE.
- 2 While "BASS" or "TREBLE" appears in the display, press ◀◀ or ▶▶ repeatedly until the level you want appears.

Falling asleep to music

— Sleep Timer

The Sleep Timer Function lets you specify a sleep time, after which the system stops playing and turns off automatically. You can thus fall asleep to music.

Press SLEEP on the remote repeatedly.

The sleep time changes as follows:

AUTO* → 90min → 80min → 70min → ...
→ 10min → OFF → AUTO* → ...

* The system turns off after the current CD or tape finishes playing (up to 100 minutes). The system also turns off when you manually stop the CD or tape.

To	Press
Check the remaining sleep time	SLEEP on the remote once.
Change the sleep time	SLEEP on the remote repeatedly until the time you want appears.
Cancel the Sleep Timer Function	SLEEP on the remote repeatedly until "OFF" appears.

Note

Do not set to "AUTO" during Synchro Recording on an MD or a tape.

Waking up to music

— Daily Timer

By setting the Daily Timer, you can make the system automatically turn on and off at specified times. To use this function, make sure that you have set the system clock correctly (see “Setting the time” on page 7).

1 Prepare the music source you want to listen to when the system turns on.

- CD: Load a CD. To start playing from a specific track, make a program (see “Programming the CD tracks” on page 10).
- MD: Load an MD. To start from a specific track, make a program (see “Programming the MD tracks” on page 14).
- Tape: Load a tape with the side you want to play facing towards you.
- Radio: Tune in the preset radio station that you want (see “Listening to the radio” on page 35).

2 Adjust the volume.

3 Press CLOCK/TIMER SET on the remote.

“DAILY SET” and “⊖ DAILY” appears in the display.

4 Press ENTER/YES on the remote.

“ON” appears, then the hour indication flashes.

5 Set the starting time.

Press **⏮** or **⏭** on the remote repeatedly to set the hour, then press ENTER/YES on the remote.

The minute indication begins flashing next.

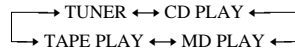
Press **⏮** or **⏭** on the remote repeatedly to set the minute, then press ENTER/YES on the remote.

“OFF” appears, then the hour indication flashes again.

6 Set the stopping time by repeating step 5.

7 Press **⏮** or **⏭** on the remote repeatedly until the music source you want appears.

The display changes as follows:



8 Press ENTER/YES on the remote.

The starting time, the stopping time, and the music source appear in turn, then the original display returns.

9 Press **I/⏻** to turn off the system.

continued

Waking up to music (continued)

To	Do this
Check the settings/ activate the timer	Press CLOCK/TIMER SELECT on the remote and press ◀◀ or ▶▶ on the remote repeatedly until “DAILY SELECT” appears in the display, then press ENTER/YES on the remote.
Change the setting	Start over from step 1.
Turn off the timer	Press CLOCK/TIMER SELECT on the remote and press ◀◀ or ▶▶ on the remote repeatedly until “TIMER OFF?” appears in the display, then press ENTER/YES on the remote.

Notes

- The system will turn on 30 seconds before the specified starting time. Do not operate the system from the time the system turns on until the daily timer starts. Otherwise the timer will not be activated correctly.
- You cannot use the optional components connected to ANALOG IN jack as the sound source for Daily Timer.

Timer recording radio programs

To timer-record, make sure that you have set the system clock correctly (see “Setting the time” on page 7) and preset the radio station (see “Presetting radio stations” on page 34).

- 1 Tune in the desired preset radio station (see “Listening to the radio” on page 35).**
- 2 Load a recordable tape or MD.**
- 3 Press CLOCK/TIMER SET on the remote.**
“DAILY SET” appears.
- 4 Press ◀◀ or ▶▶ on the remote repeatedly until “MD REC SET” or “TAPE REC SET” appears in the display, then press ENTER/YES on the remote.**
“ON” and “⊖ REC” appear in the display, then the hour indication flashes.
- 5 Set the starting time.**
Press ◀◀ or ▶▶ on the remote repeatedly to set the hour, then press ENTER/YES on the remote.
The minute indication begins flashing next. Press ◀◀ or ▶▶ on the remote repeatedly to set the minute, then press ENTER/YES on the remote.
“OFF” appears, then the hour indication flashes again.
- 6 Set the stopping time by repeating step 5.**
- 7 When you record on an MD, select the recording mode (e.g., LP2) by pressing ◀◀ or ▶▶ on the remote, then press ENTER/YES on the remote.**
The timer recording settings appear, then the original display returns.

8 Press I/O to turn off the system.

To	Do this
Check the settings/ activate the timer	Press CLOCK/TIMER SELECT on the remote and press ◀◀ or ▶▶ on the remote repeatedly until "MD REC?" or "TAPE REC?" appears in the display, then press ENTER/YES on the remote.
Change the setting	Start over from step 1.
Turn off the timer	Press CLOCK/TIMER SELECT on the remote and press ◀◀ or ▶▶ on the remote repeatedly until "TIMER OFF?" appears in the display, then press ENTER/YES on the remote.

Tip

When you record from the radio, the station name (see page 36, or frequency when the station is not labeled), the start time and the stop time are automatically recorded on the MD.

Notes

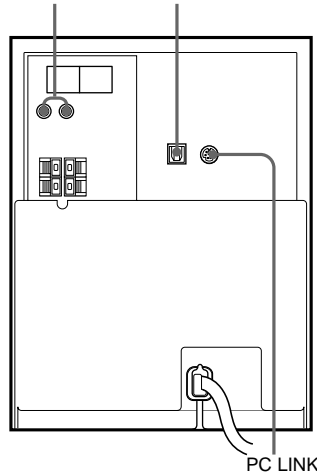
- The system will turn on 30 seconds before the specified starting time.
- If the system is turned on at the specified starting time, recording will not occur. Do not operate the system from the time the system turns on until the recording starts. Otherwise the timer will not be activated correctly.
- When you record on a brand-new MD, the first 15 seconds are not recorded.
- If the system is on about 30 seconds before the preset time, the timer-recording will not be activated.
- The volume is reduced to minimum during recording.

Hooking up the optional components

You can connect a variety of components to your system in order to enhance it. Make sure that the color of the plugs matches that of the connectors. You can also connect a personal computer to the PC LINK connector and operate the system from the personal computer.

To the audio output jacks on your record player/VCR

To the optical digital output jack of a digital component*



* If the jack is covered with a cap, remove it before use.

To	Do This
Listen to the connected digital component	Press FUNCTION repeatedly until "OPTICAL IN" appears in the display.
Listen to the connected record player/VCR	Press FUNCTION repeatedly until "ANALOG IN" appears in the display.
Operate the system from a personal computer	Connect the personal computer to the PC LINK connector using a Sony PC connection kit (option) that supports this system.

Precautions

On operating voltage

Before operating the system, check that the operating voltage of your system is identical with the voltage of your local power supply.

On safety

- 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.
- Unplug the system from the wall outlet (mains) if it will not be used for an extended period of time. To disconnect the power cord (mains lead), pull it out by the plug. Never pull the cord itself.
- Should any solid object or liquid fall into the system, unplug the system and have it checked by qualified personnel before operating it any further.
- AC power cord must be changed only at the qualified service shop.

On placement

- Do not place the system in an inclined position.
- Do not place the system in locations where it is:
 - Extremely hot or cold
 - Dusty or dirty
 - Very humid
 - Subject to vibrations
 - Subject to direct sunlight
- Use caution when placing the unit or speakers on surfaces that have been specially treated (with wax, oil, polish, etc.) as staining or discoloration of the surface may result.

On heat buildup

- Although the unit heats up during operation, this is not a malfunction.
- Place the system in a location with adequate ventilation to prevent heat build-up in the system.

If you continuously use this system at a large volume, the cabinet temperature of the top, side and bottom rises considerably. To avoid burning yourself, do not touch the cabinet.

To prevent a malfunction, do not cover the ventilation hole for the cooling fan.

On operation

- If the system is brought directly from a cold place to a warm place, or is placed in a very damp room, moisture may condense on the lens inside the CD player. Should this occur, the system will not operate properly. Remove the CD and leave the system turned on for about an hour until the moisture evaporates.
- When moving the unit, remove any disc that may be on the disc tray.

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

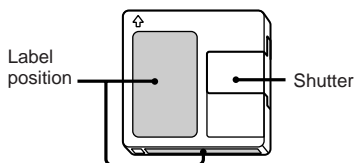
On the speaker system

This speaker system is not magnetically shielded and the picture on TV sets may become magnetically distorted. In such a case, turn off the power of the TV set once, and after 15 to 30 minutes turn it on again.

If there seems to be no improvement, locate the speaker system further away from the TV set. Also, be sure not to place objects in which magnets are attached or used near the speaker system, such as audio racks, TV stands, and toys. These may cause magnetic distortion to the picture due to their interaction with the system.

Notes on MDs

- If you try to force the shutter open, the disc may be damaged. If the shutter opens, close it immediately without touching the disc inside.
- Affix the label supplied with the disc only to the specified label indentation. Do not affix the label around the shutter or in other locations. Note that the shape of the indentation depends on the disc.



- Wipe the disc cartridge with a dry cloth to remove dirt.
- Do not expose the MD to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.

- With the following kinds of CDs, you may experience a reading failure or noise when recorded on an MD:
 - CDs with adhesive labels attached to them.
 - Irregularly shaped CDs (for example, heart- or star-shaped).
 - CDs with printed text concentrated on one side only.
 - Old CDs.
 - Scratched CDs.
 - Dirty CDs.
 - Warped CDs.
- If the following occurs during CD playback or recording, a reading error may occur or noise may be produced in the recorded results:
 - The CD tray or other part of the system is bumped.
 - The system is placed on an uneven or soft surface.
 - The system is located near a speaker, door, or other source of vibration.
- If a reading error occurs, an extra track with no sound may be created. This extra track can be erased by using the editing function (see page 27).

Notes on CDs

- Before playing a CD, clean the CD surface with a cleaning cloth. Wipe the CD from the center out.
- Do not play a CD with tape, stickers, or adhesives on any of its surfaces as this may damage the system.
- Do not use solvents.
- Do not expose the CDs to direct sunlight or heat sources.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this system. Attempting to do so may damage the system. Do not use such discs.

Note on CD-R/CD-RW playback

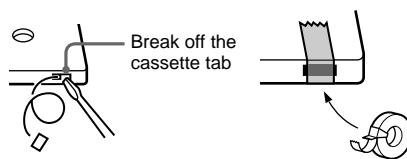
Discs recorded on CD-R/CD-RW drives may not be played back because of scratches, dirt, recording condition or the drive's characteristics. Besides, the discs, which are not yet finalized at the end of recording, cannot be played back.

Cleaning the cabinet

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

To save a tape permanently

To prevent a tape from being accidentally recorded over, break off the cassette tabs from side A or side B as illustrated.



If you later want to reuse the tape for recording, cover the broken tab with adhesive tape.

Before placing a cassette in the tape deck

Take up any slack in the tape. Otherwise the tape may get entangled in the tape deck's playing mechanism and become damaged.

When using a tape longer than 90 minutes

The tape is very elastic. Do not change the tape operations such as play, stop, and fast-winding etc. too frequently. The tape may get entangled in the tape deck's playing mechanism.

Cleaning the tape heads

Clean the tape heads after every 10 hours of use. Make sure to clean the tape heads before making an important recording or after playing an old tape. Use a commercially available dry-type or wet-type cleaning cassette. For details, refer to the instructions of the cleaning cassette.

Demagnetizing the tape heads

Demagnetize the tape heads and the metal parts that have contact with the tape after every 20 to 30 hours of use with a commercially available demagnetizing cassette. For details, refer to the instructions of the demagnetizing cassette.

System limitations of MDs

The recording system in your MD deck has the limitations described below.

Note, however, that these limitations are due to the inherent nature of the MD recording system itself, not to mechanical causes.

“Disc Full!” appears before the MD has reached the maximum recording time

When 255 tracks have been recorded on the MD, “Disc Full!” appears regardless of the total recorded time. More than 255 tracks cannot be recorded on the MD. To continue recording, erase unnecessary tracks or use another recordable MD.

“Disc Full!” appears before the maximum number of tracks (255) is reached

Fluctuations in emphasis within tracks are sometimes interpreted as track intervals, increasing the track count and causing “Disc Full!” to appear.

The remaining recording time does not increase even after erasing numerous short tracks

Tracks shorter than 12 seconds* are not counted, so erasing them may not increase the recording time.

* During stereo recording. (approximately 24 seconds during monaural and LP2 stereo recording, or 48 seconds during LP4 stereo recording)

Some tracks cannot be combined with others

Tracks may not be combined if they have been edited.

The total recorded time and the remaining time on the MD do not add up to the maximum recording time

Recording is done in minimum units of 2 seconds* each, no matter how short the material. The recorded contents may be shorter than the maximum recording capacity. Disc space may also be reduced by scratches.

* During stereo recording. (approximately 4 seconds during monaural and LP2 stereo recording, or 8 seconds during LP4 stereo recording)

The sound may drop-out while searching the edited tracks

Tracks created through editing may exhibit sound dropout during searching because high-speed playback requires time to search for the position on the disc when the tracks are not in order.

Track numbers cannot be marked

When “L-SYNC” (page 21) lights up in the display window during analog recording, the track numbers may not be marked at the beginning of the track:

- if the input signal is below a certain fixed level for less than 2 seconds between tracks.
- if the input signal is below a certain fixed level for more than 2 seconds in the middle of the track.
- if you record a track that is 4 seconds or less*.
 - * During Stereo, Monaural or LP2 Stereo recording mode. (In LP4 Stereo recording mode: 8 seconds or less)

Extra tracks are created

When there is a long silence between CD tracks, an extra track may be created.

Guide to the Serial Copy Management System

Digital audio components, such as CDs, MDs, and DATs let you copy music easily with high quality by processing music as a digital signal.

To protect the copyrighted music programs, this system uses the Serial Copy Management System that allows you to make only a single copy of a digitally recorded source through digital-to-digital connections.

You can make only a first generation copy* through a digital-to-digital connection.

That is:

- 1 You can make a copy of a commercially available digital sound program (for example, a CD or MD), but you cannot make a second copy from the first-generation copy.
- 2 You can make a copy of a digital signal from a digitally recorded analog sound program (for example, an analog record or a music cassette tape) or from a digital satellite broadcast program, but you cannot make a second copy.

* A first-generation copy means a digital recording of a digital signal made on digital audio equipment. For example, if you record from this system's CD player to the MD deck, you make a first-generation copy.

Troubleshooting

If you have any problem using this system, use the following checklist.

First, check that the power cord is connected firmly and that the speakers are connected correctly and firmly.

Should any problem persist, consult your nearest Sony dealer.

General

There is no sound.

- Turn VOLUME clockwise.
 - Make sure the headphones are not connected.
 - Check the speaker connections (see page 6).
 - There is no sound output during CD-MD High-Speed Synchro Recording.
-

Sound comes from one channel, or unbalanced left and right volume.

- Connect the speaker cords properly (see page 6).
 - Place the speakers as symmetrically as possible.
 - Connect only one of the supplied speakers to each set of speaker terminals.
 - Connect the supplied speakers.
-

There is severe hum or noise.

- Move the system away from the source of noise.
 - Connect the system to a different wall outlet.
 - Install a noise filter (commercially available) to the power line.
-

"- :- -" appears in the display.

- Set the clock and timer again (see page 7).
-

The timer cannot be set.

- Set the clock again (see page 7).
-

continued

Troubleshooting (continued)

The timer does not function.

- Press CLOCK/TIMER SELECT on the remote and light up “DAILY” or “REC” in the display (see pages 41 and 42).
 - Check the set contents and set the correct time (see page 7).
 - Cancel the Sleep Timer function (see page 40).
 - You cannot activate Daily Timer and recording timer at the same time.
-

The remote does not function.

- Remove the obstacle.
 - Move the remote closer to the system.
 - Point the remote at the system’s sensor.
 - Replace the batteries (size AA/R6).
 - Locate the system away from the fluorescent light.
-

CD Player

The CD tray does not close.

- Place the CD correctly in the center of the tray.
 - Always close the tray by pressing CD EJECT ▲. Trying to push the tray closed with your fingers may cause problems with the CD player.
-

The CD does not eject.

- Consult your nearest Sony dealer.
-

Play does not start.

- Open the CD tray and check whether a CD is loaded.
 - Wipe the CD clean (see page 45).
 - Replace the CD.
 - The CD is loaded with the label side down. Place the CD correctly in the center of the tray.
 - Remove the CD and wipe away the moisture on the CD, then leave the system turned on for a few hours until the moisture evaporates.
 - Press CD ►|| to start play.
-

The sound skips.

- Wipe the CD clean (see page 45).
 - Replace the CD.
 - Try moving the system to a place without vibration (e.g., on top of a stable stand).
 - Try moving the speakers away from the system, or placing them on separate stands.
When you listen to a track with bass sounds at high volume, the speaker vibration may cause the sound to skip.
-

Play does not start from the first track.

- Press PLAY MODE DIRECTION (or PLAY MODE on the remote) repeatedly until “PGM” or “SHUFFLE” disappears to return to normal play.
-

“OVER” appears.

- Press and hold ◀◀ or press ◀◀ to return to the desired playing position.
-

MD Deck

An MD cannot be loaded.

- Load the MD with the arrow side up and the arrow pointing toward the deck.
-

The controls do not work.

- Replace the MD with a new one.
 - Retry the operations after “TOC” or “STANDBY” turns off.
-

Play does not start.

- Replace the MD.
 - Insert the MD and leave the system turned on for a few hours until the moisture evaporates.
 - Press MD ►|| to start play.
-

The sound skips.

- Replace the MD.
 - Try moving the system to a place without vibration (e.g., on top of a stable stand).
 - Try moving the speakers away from the system, or placing them on separate stands.
When you listen to a track with bass sounds at high volume, the speaker vibration may cause the sound to skip.
 - Load the disc and wait for 10 to 20 minutes with the system turned on.
-

Play does not start from the first track.

- Press PLAY MODE DIRECTION (or PLAY MODE on the remote) repeatedly until “PGM” or “SHUFFLE” disappears to return to normal play.

“OVER” appears.

- Press and hold ◀◀ or press ◀◀ to return to the desired playing position.

“OVER” lights up during recording.

- Set the volume of the connected component lower.
- Adjust the recording level lower (see page 23).

Recording or editing was done, but the TOC is not updated.

- MD recording and editing contents are recorded to the MD when the MD is removed, so make sure you remove the MD after recording or editing (see pages 16 and 24).

Recording is not possible.

- Remove the MD and slide the tab to close the slot (see page 16).
- Connect the optional A/V component properly (see page 43).
- Switch to another sound source.
- Replace the MD with a recordable MD, or use Erase Function to erase unnecessary tracks (see page 27).

The sound from an MD you recorded is too low (or too high).

- Readjust the recording level (see page 23).
-

Tape Deck

The tape does not record.

- No cassette is loaded. Load a cassette.
- The tab has been removed from the cassette. Cover the broken tab with adhesive tape (see page 45).
- The tape has wound to the end.

The tape does not record or play, or there is a decrease in sound level.

- The heads are dirty. Clean them.
- The record/playback heads are magnetised. Demagnetise them (see page 45).

The tape does not erase completely.

- The record/playback heads are magnetised. Demagnetise them (see page 45).

There is excessive wow or flutter, or the sound drops out.

- The capstans or pinch rollers in the tape deck are dirty. Clean them using a cleaning cassette (see page 45).

Noise increases or the high frequencies are erased.

- The record/playback heads are magnetised. Demagnetise them (see page 45).
-

continued

Troubleshooting (continued)

Optional components

There is no sound.

- Refer to General item “There is no sound” on page 47 and check the condition of the system.
 - Connect the component properly (see page 43) while checking:
 - if the cords are connected properly.
 - if the cord plugs are firmly inserted all the way.
 - Turn on the connected component.
 - Refer to the operating instructions included with the connected component and start playing.
-

The sound is distorted.

- Set the volume of the connected component lower.
-

Tuner

There is severe hum or noise (“TUNED” or “STEREO” flashes).

- Set the proper band and frequency (see page 34).
- Connect the antenna properly (see page 6).
- Find a place and an orientation that provide good reception, then set up the antenna again.

If you cannot obtain good reception, we recommend you connect a commercially available external antenna.

- The supplied FM lead antenna receives signals along its entire length, so make sure you extend it fully.
 - Locate the antennas as far away from the speaker cords as possible.
 - Consult your nearest Sony dealer if the supplied AM antenna wire has come off the plastic stand.
 - Try turning off surrounding electrical equipment.
-

A stereo FM program cannot be received in stereo.

- Press STEREO/MONO until “STEREO” appears in the display.
 - See “There is severe hum or noise (“TUNED” or “STEREO” flashes)”, and check the antenna condition.
-

Cyclical static noise is heard while recording on an MD.

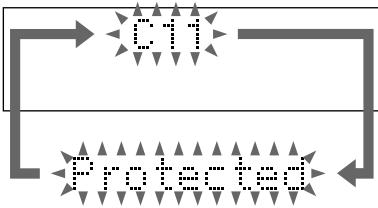
- Adjust the antenna orientation and position until the noise stops.
-

If the system still does not operate properly after performing the above measures, reset the system as follows:

- 1** Disconnect the power cord from the wall outlet.
- 2** Reconnect the power cord to a wall outlet.
- 3** Press I/⏻.
- 4** Press TUNER BAND, CD EJECT▲, and REC MODE at the same time.

Self-diagnosis display

This system has a Self-diagnosis display function to let you know if there is a system malfunction. The display shows a code made up of three letters and a message alternately to show you the problem. To solve the problem refer to the following list. If any problem persists, consult your nearest Sony dealer.



C11/Protected

The MD is protected against erasure.

→ Remove the MD and slide the tab to close the slot (see page 16).

C12/Cannot Copy

You tried to record a CD or MD with a format that the system does not support, such as a CD-ROM.

→ Remove the disc and turn off the system once, then turn it on again.

C13/REC Error

Recording could not be performed properly.

→ Move the system to a stable place, and start recording over from the beginning.

The MD is dirty or scratched, or the MD does not meet the standards.

→ Replace the MD and start recording over from the beginning.

C13/Read Error

The MD deck cannot read the disc information properly.

→ Remove the MD once, then load it again.

C14/Toc Error

The MD deck cannot read the disc information properly.

→ Replace the MD.

→ Erase all the recorded contents of the MD using All Erase Function (see page 27).

C41/Cannot Copy

The sound source is a copy of commercially available music software.

→ The Serial Copy Management System prevents making a digital copy (see page 47).

Messages

One of the following messages may appear or flash in the display during operations.

MD

Auto Cut

The MD deck is pausing the recording because silence continued for 30 seconds or more during digital recording.

Blank Disc

The inserted recordable MD is new, or all tracks on the MD have been erased.

Cannot Edit

- A pre-mastered MD is in the deck.
- You tried to edit in Program or Shuffle Play mode.

Cannot REC

- A pre-mastered MD is in the deck.
- The function is switched to MD.

Cannot SYNC

- There is no disc in the MD deck, or the MD is protected against erasure.
- There is no time remaining on the MD.

Complete !

The editing operation of MDs is completed.

continued

Self-diagnosis display (continued)

Disc Full!

There is no time remaining on the MD.

Eject

The MD deck is ejecting the MD.

Impossible

- You tried to make an impossible editing operation.
 - You cannot combine or erase the tracks due to the system limitations of MDs.
 - “Impossible” appears, when you specify the division point at the beginning or end of a track. Press **◀◀** or **▶▶** to shift the position.
-

Incomplete!

Adjustment of the recording level after recording or Fade-in and Fade-out procedures have failed since the unit was either subject to vibration or there is a damaged or dirty disc in the tray. Place the unit in a stable place to minimize shock and vibration. Do not use damaged or dirty discs.

Name Full

There is no more space to store track or disc titles.

No Change

When changing the recording level after recording, the recording level did not change since you pressed ENTER/YES without making the adjustment.

MD No Disc

There is no disc in the MD deck.

No Name

You tried to show the title of a non-labeled disc or track.

OVER

You have reached the end of the MD while press and hold **▶▶** during playing pause.

Step Full!

You try to program 26 or more tracks (steps).

Push STOP!

You pressed PLAY MODE DIRECTION (or PLAY MODE on the remote) during play.

—Rehearsal—

The MD is playing the specified dividing point for confirmation during the A-B Erase function or the Divide function.

S.F Edit!

You attempted to perform other operations during S.F Edit (adjusting the recording level after recording, Fade-in and Fade-out). You cannot perform other operations during S.F Edit.

S.F Edit NOW

You pressed **I/C** during S.F Edit (adjusting the recording level after recording, Fade-in and Fade-out). If you turn off the power before S.F Edit is finished, the editing will not be properly overwritten. Turn the power off after editing is complete.

If you want to turn off the power during editing, press **I/C** again while the message is displayed.

Smart Space

The signal was input again after silence continued for 3 or more but less than 30 seconds during digital recording.

Standby (flashing)

The timer-recorded material has disappeared over time and is not available for saving to disc, or Program Play could not be activated since the program has disappeared over time.

Text Protect

There is CD TEXT information which cannot be recorded on the MD.

TOC Reading

The MD deck is reading the TOC information of the MD.

TOC Writing

The MD deck is writing the information of recorded or edited contents.

Track End

You have reached the end of the track while adjusting the dividing point during the Divide Function.

TUNER

Cannot Edit

You tried to label or erase a non-preset station.

CD

Cannot Edit

You tried to label a CD TEXT disc.

CD No Disc

There is no CD in the player.

Name Full

There are already 50 disc titles stored in the system.

OVER

You have reached the end of the CD while keeping pressing ►► during play or pause.

Step Full!

You try to program 26 or more tracks (steps).

TAPE

Cannot SYNC

There is no tape in the tape deck, or the tab has been removed from the cassette.

No Tab

You cannot record the tape because the tab has been removed from the cassette.

No Tape

There is no tape in the tape deck.

Specifications

Amplifier section

The following measured at 220 V AC, 60 Hz

DIN power output (rated): 24 + 24 W

(6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):

27 + 27 W

(6 ohms at 1 kHz, 10% THD)

Inputs

ANALOG IN (phono jacks):

Sensitivity 250 mV,

impedance 47 kilohms

DIGITAL OPTICAL IN (Supported sampling

frequencies: 32 kHz, 44.1 kHz and 48 kHz)

Outputs

PHONES (stereo minijack):

Accepts headphones with

an impedance of 8 ohms

or more

SPEAKER:

Accepts impedance of 6 to

16 ohms

CD player section

System

Compact disc and digital audio system

Laser

Semiconductor laser

($\lambda = 780 \text{ nm}$)

Emission

duration: continuous

780 – 790 nm

Wavelength

Frequency response

2 Hz – 20 kHz ($\pm 0.5 \text{ dB}$)

Tape player section

Recording system

4-track 2-channel stereo

Frequency response

50 – 13,000 Hz ($\pm 3 \text{ dB}$),

using a Sony TYPE I cassette

Wow and flutter

$\pm 0.15\%$ W. Peak (IEC)

0.1% W. RMS (NAB)

$\pm 0.2\%$ W. Peak (DIN)

MD deck section

System

MiniDisc digital audio system

Laser

Semiconductor laser

($\lambda = 780 \text{ nm}$)

Emission duration:

continuous

Sampling frequency

44.1 kHz

Frequency response

5 Hz – 20 kHz

continued

Specifications (continued)

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range 87.5 – 108.0 MHz
(50-kHz step)

Antenna FM wire antenna
Antenna terminals 75 ohm unbalanced
Intermediate frequency 10.7 MHz

AM tuner section

Tuning range 531 – 1,602 kHz
(with the tuning interval
set at 9 kHz)

Antenna AM loop antenna, external
antenna terminal
Intermediate frequency 450 kHz

Speakers

Speaker system Two-way, bass reflex
system

Speaker units 12 cm dia., cone type
woofer
2.5 cm dia., semi-dome-
type tweeter

Rated impedance 6 ohms
Dimensions (w/h/d) Approx. 150 × 252 ×
252 mm

Mass Approx. 3.0 kg net per
speaker

General

Power requirements 220 V AC, 50/60 Hz
Power consumption 75 W

Dimensions (w/h/d) Approx. 190 × 252 ×
335 mm incl. projecting
parts and controls

Mass Approx. 7.0 kg

Supplied accessories Remote commander (1)
AM loop antenna (1)
FM wire antenna (1)
Batteries (2)

Optional accessories PCLK-MN10A Sony PC
connection kit
The optional accessories
for this system are subject
to change without notice.
For details, consult your
nearest Sony dealer.

Design and specifications are subject to change
without notice.

警告

为防火灾或触电危险，请勿将机器暴露于雨中或潮湿处。

为避免触电，请勿打开机壳。维修，务请找持有资格者为您服务。

不要把设备安装在例如书橱或壁橱等密不通风的地方。

美国及他国专利许可可由 Dolby Laboratories 授予。



本装置属于一类激光 (CLASS 1 LASER) 产品。在装置的外侧有一类激光产品的标记 (CLASS 1 LASER PRODUCT MARKING)

本注意标签贴于机内。



为防火灾，请别在装置的通风孔上盖住报纸，餐巾，窗帘等。也别点着蜡烛放在装置上。

为防止火灾或电击的危险，请勿在设备上放置装满液体的物品，例如花瓶。

对于因使用有缺陷产品或不恰当使用产品而导致的任何性质的直接的、偶然的或必然的性能损坏或开支，销售商概不负责。



电池不可以和一般家庭垃圾一起丢弃，必须当化学废物而适当地加以处理。

上海索广电子有限公司
上海市 闵行区 剑川路 930 号

目录

部件识别

主机	4
遥控器	5

使用准备

连接系统	6
在遥控器里装入两个 AA , 3号 (R6) 电池	7
设定时间	7
备用模式节电	8

CD

装放 CD 光盘	8
播放 CD — 正常播放 / 任意顺序播放 / 反复播放	9
给 CD 上曲子编程序 — 程序播放	10
使用 CD 显示器	11
给 CD 加标题 — 光盘备忘	11

MD - 播放

装 MD	13
播放 MD — 正常播放 / 任意顺序播放 / 反复播放	13
给 MD 上曲子编程序 — 程序播放	14
使用 MD 显示器	15

MD - 录音

要开始录音前	16
录音后	16
把 CD 录到 MD 上 — CD-MD 同步录音	17
把磁带录到 MD 上 — TAPE-MD 同步录音	18
手动录到 MD 上 — 手动录音	19
用 6 秒预存声频数据开始录音 — 时空机录音	19
录音要领 — 长时间录音 / 记录曲 (径迹) 号 / 灵活空间 / 调整录音电平	20

MD - 编辑

开始编辑以前	24
给 MD 加标题 — 命名功能	24
抹去录音 — 抹音功能	27

移动所录曲子 — 移动功能	29
分割所录曲子 — 分割功能	29
组合所录曲子 — 组合功能	30
废除最后编辑 — 废除功能	31
录音后改变录音电平 — S.F 编辑	32

调谐器

预约电台	34
听收音机 — 预约调谐	35
标记预约电台 — 电台命名	36
使用收音机数据系统 (RDS) *	36

磁带 - 播放

装磁带	37
播放磁带	37

磁带 - 录音

把 CD 录到磁带上 — CD-TAPE 同步录音	38
把 MD 录到磁带上 — MD-TAPE 同步录音	38
手动地录到磁带上 — 手动地录音	39

声音调整

调整声音	40
------------	----

定时器

听着音乐入睡 — 睡眠定时器	40
用音乐闹醒 — 每日定时器	41
定时录收音机节目	42

选构件组成机

连结选构件组成机	43
----------------	----

附加信息

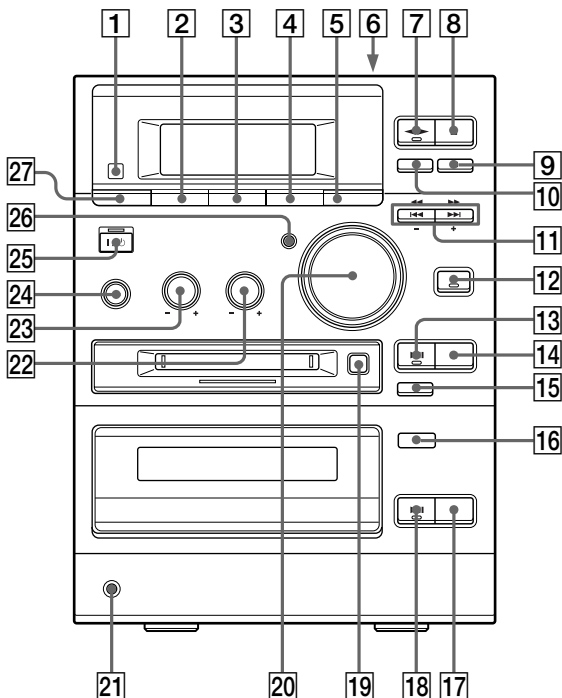
使用前须注意	44
MD 的系统限制	46
故障探寻	47
自我诊断显示	51
规格	53

* 欧洲型号为限

CS

项目是按照字母顺序排列。
 详情请参考括弧 () 内所指示页次。

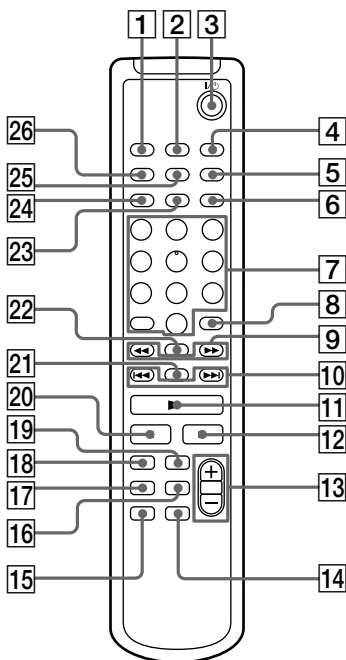
主机



BASS (低音) 23 (40)
 CD EJECT ▲ (CD 排出 ▲) 16
 (8, 9, 16, 50)
 CD ■ 17 (9, 10, 17, 38)
 CD ▶|| 18 (9, 10)
 DSG (数字信号发生器) 26 (40)
 ENTER/START (输入 / 起
 动) 5 (17, 18, 38, 39)
 FUNCTION (功能) 24 (9,
 10, 13, 14, 19, 22, 23,
 37, 39, 43)
 MD EJECT ▲ (MD 排出 ▲)
 19 (13, 24)
 MD REC ● (MD 录音 ●) 15
 (19, 22, 23)
 MD ▶|| 13 (13~15, 19)
 MD ■ 14 (13, 15, 17~20,
 38, 39)

PHONES (耳机) 插孔 21
 PLAY MODE DIRECTION
 (播放模式指示) 27 (9, 10,
 13~15, 24, 37~39)
 PUSH ▲ (按 ▲) 6 (37)
 REC MODE (录音模式) 3
 (20, 50)
 REPEAT (反复) 2 (9, 13, 34)
 STEREO/MONO (立体声 /
 单耳声) 2 (35)
 SYNCHRO REC (同步录音)
 4 (17, 18, 38)
 TAPE REC ● (磁带录音 ●)
 10 (39)
 TAPE ◀ (磁带播放) 7
 (37~39)
 TAPE ■ (磁带停止) 8 (18,
 37~39)

TAPE || (磁带暂停) 9
 (37, 39)
 TREBLE (高音) 22 (40)
 TUNER BAND (调谐器波段)
 12 (34, 35, 50)
 TUNING MODE (调谐模式)
 27 (34, 35)
 TUNING +/- (调谐升降) 11
 (34, 35)
 VOLUME (音量) 20 (41)
 遥控传感器 1
 按钮识别
 ◀◀ ▶▶ 11 (9, 10, 13~15)
 ◀▶▶▶ 11 (9, 13, 37)
 I/⏻ (电源) 25 (7, 16, 24, 35,
 41, 43, 50)



BASS/TRE (低音 / 高音) [5]
(40)
CD [17] (9~11)
CLEAR (清除) [8] (10, 14,
15, 25, 36)
CLOCK/TIMER SELECT(时
钟 / 定时器选择)[2](42,43)
CLOCK/TIMER SET(时钟 /
定时器设定) [4] (7, 41, 42)
CURSOR ←/→(游标)[9](7,
12, 25)
DISPLAY (显示) [21] (8, 10,
11, 15, 19, 36)
DSG(数字信号发生器)[14](40)
ENTER/YES (输入 / 是) [6]
(7, 10, 12, 14, 20~23,
25~34, 36, 41~43)
FUNCTION (功能) [15] (9,
10, 13, 14, 19, 22, 23,
37, 39, 43)

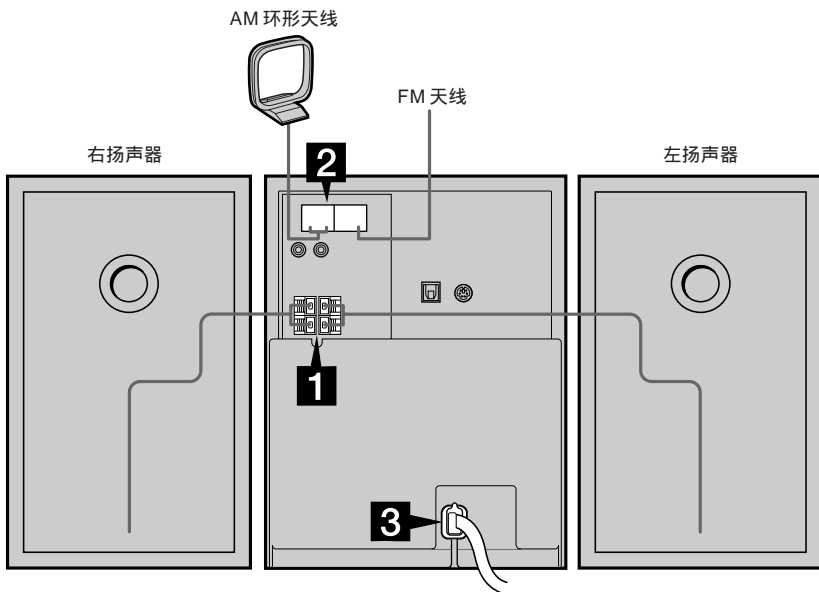
MD [18] (13, 14, 25, 27~30,
32)
MENU/NO (项目单 / 号) [24]
(12, 21~24, 26~34)
NAME EDIT/SELECT (名称
编辑 / 选择) [23] (11, 12, 24,
25, 36)
PLAY MODE (播放模式) [26]
(9, 10, 13~15, 24, 32)
REPEAT (反复) [25] (9, 13)
SCROLL (轴卷) [22] (12, 15,
26)
数字按钮 [7] (9, 10, 12, 14,
15, 25, 35)
SLEEP (睡眠) [1] (40)
TAPE (磁带) [16]
TUNER BAND (调谐器 / 波
段) [19] (34, 35)
VOLUME +/- (音量升降) [13]
(41)

按钮识别

⏻(电源)[3](7, 16, 24, 35,
41, 43)
⏪⏩ [9] (28, 30)
⏮⏭ [10] (7, 11, 12, 21~
23, 25~34, 40~42)
▶ [11] (9, 10, 13, 15, 23)
■ [12] (23)
⏸ [20] (9, 13, 28)

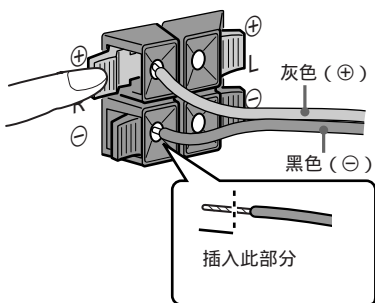
连结系统

用附带的导线和附件按照下列步骤 **1** 到 **3** 的方法连结系统。



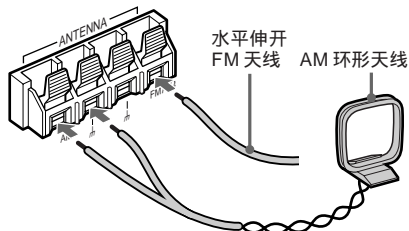
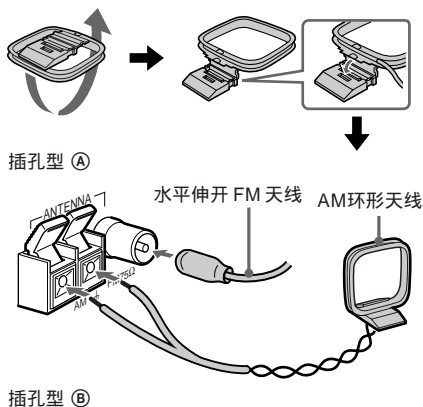
1 连接前扬声器。

如下所示，把左和右扬声器导线连接到 SPEAKER 端子。



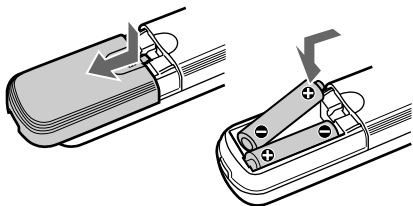
2 连接 FM 和 AM 天线。

要连接 AM 环形天线之前，须先把它调定好。



- 3** 把电源线连接到墙上插座。
如果插头不适合墙上插座，可装上附带的插头转接器（限于配备有转接器的型号）。要打开系统电源时，请按 I/⏻（电源）。

在遥控器里装入两个 AA，3 号（R6）电池



要领
当遥控器不能控制操作系统时，即全换新两个电池。

注
当长期不要用遥控器时，请卸下电池保存以免可能因电池漏液而造成损害。

设定时间

- 1 打开系统电源。
- 2 按遥控器上的 CLOCK/TIMER SET。
如果是第一次设定时钟，即请跳到步骤5。
- 3 反复按遥控器上的 I◀◀ 或 ▶▶I 至显示器中出现“CLOCK SET”（设定时钟）。
- 4 按遥控器上的 ENTER/YES。
即闪烁着点钟指示。
- 5 反复按遥控器上的 I◀◀ 或 ▶▶I 以设定点钟。
- 6 按遥控器上的 ENTER/YES 或 CURSOR →。
即闪烁着分钟指示。
- 7 反复按遥控器上的 I◀◀ 或 ▶▶I 以设定分钟。
- 8 按遥控器上的 ENTER/YES。
时钟即开始运转。

要重调系统的时钟时
请从步骤 1 开始操作。

备用模式节电

系统即使关掉了电源，仍为运转时钟和保持能响应遥控器的指令而须消耗电力的。

节电模式能在备用模式中减少耗电。

在此节电模式中，时钟是不显示的。

要改成节电模式时，请在系统关着电源时，反复按遥控器上的 DISPLAY 至显示器中的示范模式和时钟消失了显示。

要改变显示时

可在系统关着电源时，反复按遥控器上的 DISPLAY。

显示将作如下的变化：

示范模式 → 时钟显示 → 节电模式 → 示范模式 → ...

要领

节电模式中，定时器仍继续运转。

要解除节电模式时

请在系统关着电源时，反复按遥控器上的 DISPLAY 至显示器中出现示范模式和时钟显示。

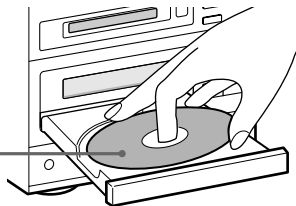
装放 CD 光盘

1 按 CD EJECT ▲。

即滑出光盘托盘。

2 把 CD 装在光盘托盘上。

让标签面朝上地装放。当播放单曲 CD (8cm CD) 时,请把它装在托盘的内圈。



3 再按一次 CD EJECT ▲ 以关掉光盘托盘。

注

- 当装的是单曲 CD (8cm CD) 时,便不能从前窗看到光盘。
 - 从前窗看到的印在光盘上的字符,将成颠倒。
 - 在收听别的声源时,您如果按了 CD EJECT ▲ 打开或关掉光盘托盘,则即使托盘中没装 CD,也会点亮 CD 图符的。
- 要关掉 CD 图符时,请反复按 FUNCTION 以把功能切换为 CD。

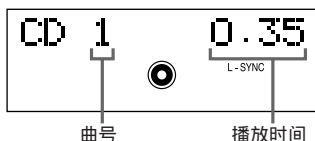
要领

可以把 CD 盒子竖立在系统顶上沟槽中。

播放 CD

一 正常播放 / 任意顺序播放 / 反复播放

本系统可利用不同播放模式播放 CD。



1 反复按FUNCTION至“CD”出现于显示器。可以按遥控器上的CD按钮把功能切换到CD。即将点亮CD ►||和CD ■周围的指示灯。

2 在停止模式中反复按PLAY MODE DIRECTION (或遥控器上的PLAY MODE) 至所要模式出现于显示器。

选择	要
无显示	按照 CD 原来的顺序播放。
SHUFFLE (任意顺序)	以 CD 上曲子的任意顺序播放。
PGM (程序)	以 CD 上曲子的任意所要一定顺序播放 (参看第 10 页的“给 CD 上曲子编程”)。

3 按 CD ►|| (或遥控器上的 ►)。

其它操作

要	请
停止播放	按 CD ■。
暂停	按 CD ► (或遥控器上的 ►)。 再按一次以恢复播放。
选择曲子	在播放或暂停中, 反复按 ◀◀ 或 ▶▶ 至找到所要曲子。
找出曲中某一点	播放中, 按住 ◀◀ 或 ▶▶ 至找到所要的点。
反复地播放 (反复播放)	播放中, 反复按 REPEAT 至显示器中出现“REPEAT”或“REPEAT 1”。 REPEAT: 反复5次CD上全所有曲子。 REPEAT 1: 只反复现在播放中的曲子。 要解除反复播放时, 请按 REPEAT 至“REPEAT”或“REPEAT 1”消失了显示。
卸下 CD	按 CD EJECT ▲。

要领

可以用正常播放或程序播放模式从所要的曲子开始播放。在步骤 3 之后反复按 ◀◀ 或 ▶▶ 至出现了所要的曲子。或, 按遥控器上的数字按钮。即将自动地开始播放。

要输入超过 10 的曲号时 (使用遥控器为限)

1 请按 >10。

2 输入相当的数字。

要输入 0 时, 请代之按 10/0。

例如:

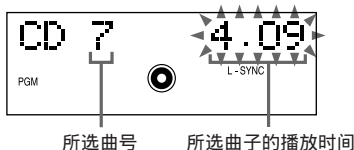
要输入曲号 30 时, 须先按 >10, 然后按 3 和 10/0。

给 CD 上曲子编程序

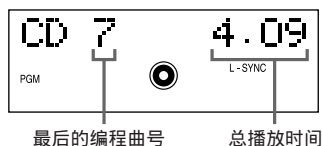
一 程序播放

可按照您要播放的顺序编最多 25 首 CD 上的曲子的程序。

- 1 反复按FUNCTION至显示器中出现“CD”。也可按遥控器上的CD按钮把功能切换为CD。
- 2 在停止模式中反复按PLAY MODE DIRECTION (遥控器上的PLAY MODE)至显示器中出现“PGM”。
- 3 反复按◀◀或▶▶至显示器中出现所要曲号。



- 4 按遥控器上的ENTER/YES。曲子即被编入程序。随编程顺序曲号之后即出现“Step”(步骤)。然后,随着程序的总播放时间之后出现最后的编程曲号。如果操作错了,可按遥控器上的CLEAR以清除程序中的最后编程曲子。



5 要编入附加曲子的程序时,请反复作步骤3和4。

6 按CD▶▶(或遥控器上的▶▶)。

要	请
检查程序顺序检查	在程序播放模式中反复按◀◀或▶▶。
检查总编程曲数	在停止模式中按DISPLY。即出现编程步骤的总数,然后显示最后编程曲号和程序的总播放时间。
解除程序播放	按CD■,然后反复按PLAY MODE DIRECTION(或遥控器上的PLAY MODE)至显示器上的“PGM”和“SHUFFLE”消失了显示。
在程序末端加曲子	在程序播放停着时作步骤3和4。
抹去最后的编程曲子	在停止模式中按CLEAR。每次按了按钮,最后的程序曲子将被抹去。
用遥控器上的数字按钮选择所要曲子	按数字按钮而不作步骤3到5。数字按钮的用法,请参看第9页。

要领

- 在播放完程序之后仍能保留该所作程序。要再播放同程序时,只要把功能切换到CD,然后按CD▶▶(或遥控器上的▶▶)。
- 当总CD程序时间超过100分,或当选择的CD曲子其号数是21或以上时,即将出现“-- --”。

使用 CD 显示器

反复按遥控器上的 DISPLAY。

当装放的是 CD TEXT 光盘时，便可检查光盘上所录信息，例如标题等。

显示即将变化如下：

正常播放中

现在曲号和该曲已播放时间 → 现在曲号和该曲的剩余时间 → 整张 CD 的剩余播放时间 → 现在播放中曲子的标题 * → 时钟显示 → BASS (低音) 电平 → TREBLE (高音) 电平 → 现在曲号和该曲已播放时间 → ...

CD 停止时

曲子总数和总播放时间 → CD 光盘标题 * → 时钟显示 → BASS (低音) 电平 → TREBLE (高音) 电平 → 曲子总数和总播放时间 → ...

* 如果装放了没标题的 CD，将无任何显示。当 CD 含有 21 首曲子或以上时，将从第 21 首曲起不显示 CD TEXT。

给 CD 加标题

— 光盘备忘

最多能给 50 张 CD 加予最多含有 20 个符号和字母的标题。每当您装放加了标题的 CD 时，显示器中即出现该光盘的标题。

注

- 当显示器上显示着 CD 的“TEXT”时，是不能给该 CD 加标题的。
- 首次给 CD 加标题时，须应用第 12 页的“抹去光盘标题”的方法先抹去全光盘标题。

- 1 按遥控器上的 CD 把功能切换到 CD。如果显示器中出现“SHUFFLE”或“PGM”，即反复按 PLAY MODE DIRECTION (或遥控器上的 PLAY MODE) 至两指示都消失了显示。
- 2 按遥控器上的 NAME EDIT/SELECT。游标即开始闪烁。
- 3 反复按遥控器上的 NAME EDIT/SELECT 以选择所要型式的字符。

显示即变化如下：

选择 AB* (大写字母) → 选择 ab* (小写字母) → 选择 12 (数字) → 选择 AB* (大写字母) → ...

* 反复按数字 1 以显示下列符号。

' - / . () : ! ?

此外，当显示器中出现上列符号时，请反复按遥控器上的 ◀◀ 或 ▶▶ 使显示下列符号。

& + < > _ = " ; # \$ % @ * `

接下页

给 CD 加标题 (续)

4 输入字符。

如果选择了大写或小写字母

1 反复按相当的字母按钮至要输入的字符起闪烁。

或, 按一次该按钮并反复地按 **◀** 或 **▶**。

2 按遥控器上的 **CURSOR →**。

闪烁着的字符即被输入而游标将移到右边。

如果选择了数字

即按相当的数字按钮。

数字即被输入而游标将移到右边。

要输入空白时

1 请按遥控器上的 **NAME EDIT/SELECT** 以选择大写或小写字母。

2 按遥控器上的 **10/0**。

空白即被输入而游标将移到右边。

5 反复步骤 3 和 4 以输入名称的其余字符。

要改变字符时

反复按遥控器上的 **← CURSOR** 或 **CURSOR →** 至要改变的字符起闪烁, 然后按遥控器上的 **CLEAR** 以抹去字符, 再反复步骤 3 和 4。

6 按遥控器上的 **ENTER/YES** 以完成加标题程序。

要解除加标题时

请按遥控器上的 **MENU/NO**。

检查光盘标题

1 在停止模式中按遥控器上的 **MENU/NO**。

2 反复按遥控器上的 **◀** 或 **▶** 至出现 “Name Check ?”(查名称吗?), 然后按遥控器上的 **ENTER/YES**。

3 反复按遥控器上的 **◀** 或 **▶** 以选择储存于系统存储器 01 到 50 之间的光盘标题。

要检查现在播放中的光盘标题时

请在停止模式中按遥控器上的 **SCROLL**。

抹去光盘标题

1 在停止模式中按遥控器上的 **MENU/NO**。

2 反复按遥控器上的 **◀** 或 **▶** 至出现 “Name Erase ?”(抹去名称吗?), 然后按遥控器上的 **ENTER/YES**。

3 反复按遥控器上的 **◀** 或 **▶** 以选择要抹去的光盘名。

4 再按一次遥控器上的 **ENTER/YES**。

即出现 “Complete !”(完成)。

要抹去全光盘标题时, 可反复按遥控器上的 **◀** 或 **▶** 至在步骤 2 中显示了 “All Erase ?”(全抹去吗?), 然后按两次遥控器上的 **ENTER/YES**。

要解除抹去模式时

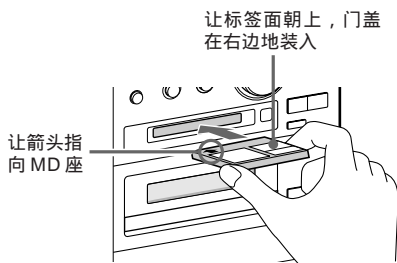
在进行步骤 1 和 2 中按遥控器上的 **MENU/NO**。

注

即使拔下了电源线或发生停电, 光盘标题仍可在系统的存储器中保存大约一天。

装 MD

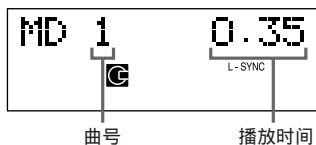
装一张 MD。



播放 MD

— 正常播放 / 任意顺序播放 / 反复播放

本系统可利用不同播放模式播放 MD。



- 1 反复按FUNCTION至“MD”出现于显示器。可以按遥控器上的 MD 按钮把功能切换到 MD。即将点亮 MD ▶▶ 和 MD ■ 周围的指示灯。

- 2 在停止模式中反复按 PLAY MODE DIRECTION (或遥控器上的 PLAY MODE) 至所要模式出现于显示器。

选择	要
无显示	按照 MD 原来的顺序播放。
SHUFFLE (任意顺序)	以 MD 上曲子的任意顺序播放。
PGM (程序)	以 MD 上曲子的任意所要一定顺序播放 (参看第 14 页的“给 MD 上曲子编程序”)。

- 3 按 MD ▶▶ (或遥控器上的 ▶▶)。

其它操作

要	请
停止播放	按 MD ■。
暂停	按 MD ▶▶ (或遥控器上 ▶▶)，再按一次以恢复播放。
选择曲子	在播放或暂停中，反复按 ◀◀ 或 ▶▶ 至找到所要曲子。
找出曲中某一点	播放中，按住 ◀◀ 或 ▶▶ 至找到所要的点。
反复地播放 (反复播放)	播放中，反复按 REPEAT 至显示器中出现“REPEAT”或“REPEAT 1”。 REPEAT：反复 5 次 MD 上全所有曲子。 REPEAT 1：只反复现在播放中的曲子。 要解除反复播放时，请按 REPEAT 至“REPEAT”或“REPEAT 1”消失了显示。
卸下 MD	按 MD EJECT ▲。

接下页

播放 MD (续)

要装 MD 之前

当系统打开着电源时,请确认一下显示器中是否显示着 MD 图符。如果有,即表示里面已装有 MD。请按 MD EJECT ▲ 以取出 MD。

要领

可以用正常播放或程序播放模式从所要的曲子开始播放。

在步骤 3 之后反复按 ◀◀ 或 ▶▶ 至出现了所要的曲子。

或,按遥控器上的数字按钮。即将自动地开始播放。

要输入超过 10 的曲号时(使用遥控器为限)

1 请按 >10(要输入 100 或以上时,请按两次)。

2 输入相当的数字。

要输入 0 时,请代之按 10/0。

例如:

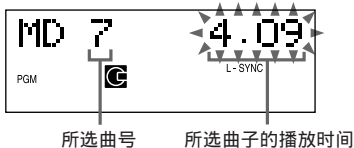
- 要输入曲号 30 时,须先按 >10,然后按 3 和 10/0。
- 要输入曲号 108 时,须先按两次 >10,然后按 1, 10/0 和 8。

给 MD 上曲子编程序

一 程序播放

可按照您要播放的顺序编最多 25 首 MD 上的曲子的程序。

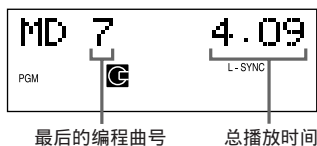
- 1 反复按 FUNCTION 至显示器中出现“MD”。也可按遥控器上的 MD 按钮把功能切换为 MD。
- 2 在停止模式中反复按 PLAY MODE DIRECTION (或遥控器上的 PLAY MODE) 至显示器中出现“PGM”。
- 3 反复按 ◀◀ 或 ▶▶ 至显示器中出现所要曲号。



- 4 按遥控器上的 ENTER/YES。

曲子即被编入程序。

随编程顺序曲号之后即出现“Step”(步骤),然后,随着程序的总播放时间之后出现最后的编程曲号。如果操作错了,可按遥控器上的 CLEAR 以清除程序中的最后编程曲子。



5 要输入附加曲子的程序时，请反复作步骤 3 和 4。

6 按 MD ►|| (或遥控器上的 ►)。

要	请
检查程序顺序	在程序播放模式中反复按 ◀◀ 或 ▶▶。
检查总编程曲数	在停止模式中按 DISPLY。即随编程步骤的总数，出现显示最后编程曲号。
解除程序播放	按 MD ■，然后反复按 PLAY MODE DIRECTION (或遥控器上的 PLAY MODE) 至显示器上的“PGM”和“SHUFFLE”消失了显示。
在程序末端加曲子	在程序播放停着时作步骤 3 和 4。
抹去最后的编程曲子	在停止模式中按 CLEAR。每次按了按钮，最后的程序曲子将被抹去。
用遥控器上的数字按钮选择所要曲子	按数字按钮而不作步骤 3 到 5。数字按钮的用法，请参看第 14 页。

要领

- 在播放完程序之后仍能保留该所作程序。要再播放同程序时，只要把功能切换到 MD，然后按 MD ►|| (或遥控器上的 ►)。
- 当总 MD 程序时间超过 1000 分钟时，即将出现“----”。

使用 MD 显示器

反复按遥控器上的 DISPLAY。

显示即将变化如下：

正常播放中

现在曲号和该曲已播放时间 → 现在曲号和该曲的剩余时间 → 整张 MD 的剩余播放时间 → MD 曲子的标题 *1 → 时钟显示 → BASS (低音) 电平 → TREBLE (高音) 电平 → 现在曲号和该曲已播放时间 → ...

MD 停止时

总曲数和总播放时间*2 → 剩余可录时间 (限于可录音 MD) → MD 光盘标题 *1 → 时钟显示 → BASS (低音) 电平 → TREBLE (高音) 电平 → 总曲数和总播放时间 *2 → ...

*1 如果光盘或曲子没加标题，即将无任何显示。

*2 当总 MD 程序时间超过 1000 分钟时，即出现“----”。

要领

播放中，随时都可检查曲子的标题。如果按了遥控器上的 SCROLL，曲子标题即在显示器中轴卷出现显示。

轴卷显示中，在任何点按了遥控器上的 SCROLL，即可停止轴卷。再按一次遥控器上的 SCROLL 以重新开始轴卷。

要开始录音前

MD(小型光盘)可作高音质的数字录音和播放音乐。MD的另一个特点是可作径迹号。这个作径迹号功能可让您迅速地找出特定点或便于编辑所录曲子。但根据所录声源的不同,录音方法和录曲号的方法也有异。

当录音信号源是:

- 本系统的CD唱机时
 - 用MD座实施数字录音。^{*1}
 - 将自动记上相当于原来CD的曲号。
- 其他数字组成机时
 - 请连接到DIGITAL OPTICAL IN插孔
 - 用MD座实施数字录音。^{*1}
 - 随着所录信号源的不同,标志的曲号也不同。
- 本系统的调谐器和连接于ANALOG IN插孔的其他组成机(例如录像机)
 - 用MD座实施模拟录音。^{*2}
 - 曲号(径迹号)将记在录音的开头,但当您打开了电平同步录音功能(Level-Synchro Recording)时(参看第21页),则将随着输入信号的电平自动同步地记曲号。

^{*1} 限制数字录音的详细内容,请参看第46页。

^{*2} 即使是数字组成机,凡连接到ANALOG IN插孔者,MD座也便只能实施模拟录音。

当使用只有部分录了音的MD时

将从已录有曲子的后面开始接下录音。

MD曲号须知

在MD上,曲号(跟踪频率),曲子(径迹)的起,终点信息等,与声信息无关地将被记录在TOC^{*3}区里。您只要修改调整一下TOC信息便能很快地编辑所录的曲子。

^{*3} TOC: 目录表

录音后

按MD EJECT ▲以卸下MD或按I/⏻(电源)以关掉系统。

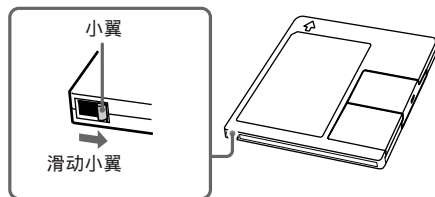
“TOC”或“STANDBY”点亮或开始闪烁。TOC即被更新而完成录音。

拉出电源线之前

当MD的TOC(目录表)被更新时,MD录音即告完成。当排出MD或按I/⏻以关掉系统电源时,TOC即被更新。在更新TOC之前(“TOC”或“STANDBY”点亮着时)或正在更新TOC时(“TOC”或“STANDBY”闪烁着时),不可拉出电源线以保证完全的录音。

保护所录MD

为保护所录MD,可滑动位于MD侧面的小翼以打开小翼口。小翼在此位置时,MD便不能进行录音。MD要录音时,须滑动小翼关掉小翼口。



把 CD 录到 MD 上

— CD-MD 同步录音

- 1 装上可录音的 MD。
- 2 在光盘托盘上装放 CD。
- 3 反复按 SYNCHRO REC 至显示器中出现“CD-MD SYNC”显示。
- 4 按 ENTER/START。
显示器中即闪烁着“Press START”(按 START)。
MD 座即呈录音备用而 CD 唱机将呈播放暂停。
- 5 确认显示器中闪烁着“Press START”(按 START)，然后按 ENTER/START。
即开始录音。

要停止录音时

请按 CD ■ 或 MD ■。

要领

- 能用 CD 程序播放模式只录您喜欢的 CD 上的曲子。在步骤 2 之后，可按照 CD 程序播放中的步骤 1 到 5 的程序（参看第 10 页）作。然后进行到步骤 3。
- 根据光盘，CD TEXT 信息也可能被录下（当同时录在 MD 和磁带上时，除外）。录音中如果闪烁着“TEXT”，即请参看第 24 页。

注

录音中，当 MD 已录满了时，CD 唱机和 MD 座将自动地停掉。

高速地将 CD 录到 MD 上 — CD-MD 高速同步录音

能用常速 CD-MD 同步录音的两倍速度将 CD 的数字录音录到 MD 上。

在“把 CD 录到 MD 上”的步骤 3 中，反复按 SYNCHRO REC 至显示器中出现“HISPEED SYNC”显示。

在步骤 4 中，显示器中将出现“× 2”。

在高速录音中，是不能听播放声的。

在步骤 5 中按了 ENTER/START 之后，如果显示器中闪烁着“Retry”(再试试)

即表示读取失败，而 MD 座正试再读一次数据。

- 如果再试成功，MD 座便继续地作 CD-MD 高速同步录音。
- 如果所装放的 CD 或系统的条件太差而再试读取失败，即不可能作 CD-MD 高速同步录音了。此时，显示器中将闪烁着“× 1”而 MD 座将自动地开始用常速的 CD-MD 同步录音进行录音。请注意此时的所录信号是不能监视的。

[接下页](#)

把 CD 录到 MD 上 (续)

注

- 在进行 CD-MD 高速同步录音中是不能暂停录音的。
- 如果播放模式是设定于反复 (Repeat) 或任意顺序 (Shuffle) 播放, 则将自动地切换到“把 CD 录在 MD 上”步骤 3 的正常播放。
- 进行 CD-MD 高速同步录音当中, 下列项目功能将不起作用或不能利用:
 - 自动截断功能。
 - 监视所录信号。

把 CD 同时录到 MD 和磁带上

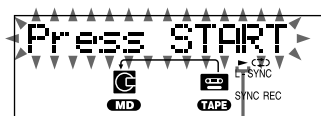
装放要录的 CD。也装上空白磁带和可录音的 MD。反复按 SYNCHRO REC 至出现“DUAL SYNC”(双同步), 然后实施“把 CD 录到磁带上”的步骤 4 到 6 (参看第 38 页)。

把磁带录到 MD 上

— TAPE-MD 同步录音

能将磁带的模拟录音录到 MD 上。
可利用 Type (标准) 磁带。

- 1 装上可以录音的 MD。
- 2 装上磁带。
- 3 反复按 SYNCHRO REC 至显示器中出现“TAPE-MD SYNC”显示。
- 4 按 ENTER/START。
MD 座即呈录音备用而磁带座将呈播放暂停。



磁带播放面

正面将出现 ▶, 倒绕面将显示 ◀。播放面没指示时, 则请按 TAPE ■ 取出磁带倒转磁带面, 然后再实施步骤 3 和 4。

- 5 确认显示器中闪烁着“Press START”(按 START)。然后按 ENTER/START。
即开始录音。

要停止录音时

请按 TAPE ■ 或 MD ■。

注

录音中, 当 MD 已录满了时, 磁带座和 MD 座将自动地停掉。

手动录到 MD 上

— 手动录音

用手动录音,可以只录CD上您所要的部分,或从磁带的中间开始录音。也可用于录音机的节目。

- 1 装上可录的 MD。
- 2 反复按 FUNCTION 以选择所要的录音信号源。
- 3 按 MD REC ●。
MD 座即呈录音备用状态。
- 4 按 MD ►|| 并开始播放所要录的信号源。

要停止录音时

请按 MD ■。

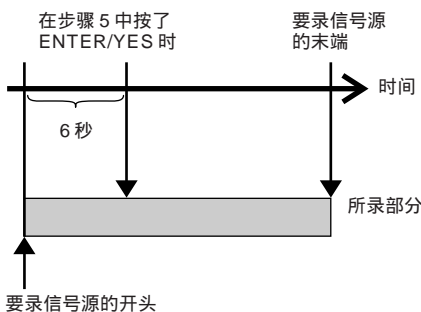
要领

反复按遥控器上的 DISPLAY 便可检查录音中的 MD 的剩余可录时间。

用 6 秒预存声频数据开始录音

— 时空机录音

当从 FM 或卫星广播节目录音时,由于确定内容和按钮须用时间,故会让节目内容的开头数秒不能录下。为防失漏完全的录音内容,时空机录音 (Time Machine Recording) 功能将可以在缓冲存储器中经常预存有最近的声频数据。可让您录到按钮开始录音的前 6 秒的节目内容声音。兹图示如下:



- 1 装上可录的 MD。
- 2 反复按 FUNCTION 以选择所要的录音信号源。
- 3 按 MD REC ●。
MD 座即呈录音备用状态。
- 4 开始播放所要录的信号源。

接下页

用 6 秒预存声频数据开始录音 (续)

5 在开始要录的地点按遥控器上的 ENTER/YES。

要停止时空机录音时

请按 MD ■。

注

在步骤 3 中, MD 座呈录音暂停并开始播放信号源时, MD 座即开始预存声频数据。如果您按遥控器上的 ENTER/YES 所用时间少于 6 秒, 时空机也将随着从少于 6 秒以前的声频数据处开始录音。

录音要领

一 长时间录音 / 记录曲 (径迹) 号 / 灵活空间 / 调整录音电平

长时间录音

标准立体声录音模式以外, 本系统还另具有两个长时间模式: LP2 和 LP4。用 LP2 模式录音时, 可录 2 倍于标准可录时间; 用 LP4 模式则可录 4 倍于标准可录时间。此外, 单耳声的可录时间又大约两倍于立体声的可录时间。

达成长时间立体声录音的 LP4 Stereo 模式(4 倍长录音时间)是利用特殊的压缩系统。当着重录音的音质时, 最好请利用标准立体声录音或 LP2 Stereo(2 倍长录音时间)的录音模式。

1 录音前 (CD-MD 同步录音等), 反复按 REC MODE 以选择所要录音模式。

显示即变化如下:

STEREO REC (立体声录音) → LP2 REC (2 倍长时间录音) → LP4 REC (4 倍长时间录音) → MONO REC (单耳声录音) → STEREO REC (立体声录音) → ...

2 开始录音。

改变录音模式

录完后仍保留所选的录音模式。每次录音前, 都须检查一下录音模式。要改变录音模式时, 请反复按 REC MODE 以切换到您所要的录音模式。

注

- 用 MDLP (LP2 或 LP4) 模式录的 MD 光盘是不能用不具 MDLP 模式功能的系统进行播放的。此外, 凡用 MDLP 模式录的 MD 光盘也不能实施 S.F 编辑等。
- 录音中或录音暂停中, 即使按了 REC MODE 也不能改变录音模式的。
- 即使反复按 REC MODE 以选择 MONO (单耳声), 录音中的监听信号也不能把它改变成单耳声的。

进行MDLP (MD长时间录音)录音中,要在曲名开头加入“LP:”时

当要在不具MDLP模式功能的系统进行播放用MDLP模式录的曲子时,即将显示“LP:”。这项功能便于让您瞬时判断能否播放曲子。工厂设定是“On”(打开)。

- 1 反复按FUNCTION至显示器出现“MD”显示。
- 2 反复按遥控器上的MENU/NO至出现“Setup Menu”(调定菜单)显示。
- 3 按遥控器上的◀◀或▶▶至出现“LP Stamp On”(LP标记打开)(或“LP Stamp Off”(LP标记关掉))显示,然后按遥控器上的ENTER/YES。
- 4 按遥控器上的◀◀或▶▶以选择设定,然后按遥控器上的ENTER/YES。

要	请选择
加入“LP”	LP Stamp On (LP标记打开)(工厂设定)
解除加入“LP”	LP Stamp Off (LP标记关掉)

- 5 按遥控器上的MENU/NO。

注

- 所录“LP:”是一个标记。当出现此标记时,即表示所用不具MDLP模式功能的系统是不能播放MDLP模式录音的曲子的。如果是用具有MDLP模式功能的系统播放,则不会显示此标记的。
- 当设定于“On”(打开)时,“LP:”将录成曲名的一部分。因此,可以输入到MD的字符数便将减少。又当用加入“LP:”模式拷贝曲名时,“LP:”标记即将自动地加录在所拷贝的曲名上。如果用分割功能分割一“LP:”曲子时,“LP:”标记将加在后面的曲子上。

标记曲号

- 录音当中自动地标记

当从本系统的CD唱机录音中,能比照原来声源自动地标记曲(径迹)号。当从本系统的调谐器或连接于ANALOG IN插孔的组成机录音中,则可用电平同步录音功能自动地标记曲号。

- 录音中的任何处标记

从任何声源录音中都能标记曲(径迹)号(参看第22页)。

- 录音后标记

使用分割功能(参看第29页)。

录音当中自动地标记曲号

— 电平同步录音

电平同步录音功能的工厂设定是设定于ON(打开),可自动标记曲号。如果录音中不出现“L-SYNC”(电平同步),即请打开电平同步录音如下。当连续输入低于某电平2秒以上,然后超过该电平的信号时,即将自动标记曲号。

注

- 要录的声源如果有噪音(例如录音带或收音机节目),是不能自动标记曲号的。
- 当反复录同一CD的同单曲时,将只能指定一个曲号。

- 1 反复按FUNCTION至显示器出现“MD”显示。
- 2 反复按遥控器上的MENU/NO至出现“Setup Menu”(调定菜单)显示。
- 3 反复按遥控器上的◀◀或▶▶至出现“T.Mark Off”(径迹标记关掉)(或“T.Mark LSync”(径迹标记电平同步))显示,然后按遥控器上的ENTER/YES。
- 4 反复按遥控器上的◀◀或▶▶以选择设定,然后按遥控器上的ENTER/YES。

要	请选择
打开电平同步录音功能	T.Mark LSync (工厂设定)
关掉电平同步录音功能	T.Mark Off

设定电平同步录音功能时,将点亮“L-SYNC”(电平同步)。

- 5 按遥控器上的MENU/NO。
要继续录音时,请按照各录音页的方法说明。

[接下页](#)

录音要领 (续)

要改变自动曲目标示的触发电平时

按照下列步骤改变触发自动曲目标示的信号电平。

- 1 反复按压 FUNCTION 键，将功能切换至 MD。
- 2 反复按压遥控器上的 MENU/NO 键，直至“Setup Menu”(调定菜单)出现。
- 3 按压 MD 的 I◀◀ 或 ▶▶I 键直至“LS(T)”出现，然后按压遥控器上的 ENTER/YES 键。
- 4 按压 MD 的 I◀◀ 或 ▶▶I 键选择电平，然后按压遥控器上的 ENTER/YES 键。您可以在 -72dB 至 0dB 之间以 2dB 为单位任意设定电平值。
- 5 按压遥控器上的 MENU/NO 键。

录音中在某特定点标记曲号

— 径迹标记

无论哪种类型的声源，在手动录音中，随时都能标记曲号的。

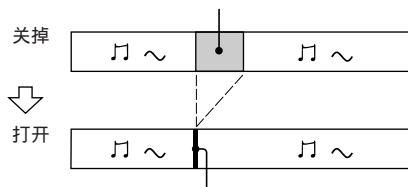
用手动录音中，在要加进径迹标记的点上按 MD REC ●。

跟在所加进径迹标记后面的曲子，将被重新编号。

在曲间作 3 秒钟长的空间 — 灵活空间

灵活空间：此功能可在录音中自动地在曲子与曲子之间留下 3 秒长的空白。如果在录音当中打开着灵活空间功能而有大约 3 秒以上（30 秒以下）的时间没输入声音，MD 座即将自动地用大约 3 秒的空白取代此段静寂，然后继续进行录音。

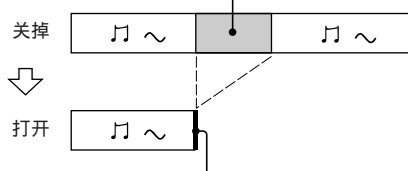
30 秒以内无声音输入



以 3 秒的空白代替而继续进行录音

自动截止：当打开着灵活空间功能时，如果有 30 秒以上没输入声音，MD 座即将以大约 3 秒的空白替代此静寂段而进入录音暂停。

30 秒以上无声音输入



以 3 秒的空白代替而进入录音暂停

- 1 反复按FUNCTION至显示器出现“ MD ”显示。
- 2 反复按遥控器上的 MENU/NO 至出现“ Setup Menu ”(调定项目单) 显示。
- 3 反复按遥控器上的 ◀◀ 或 ▶▶ 至出现“ S.Space Off ”(灵活空间关掉)(或“ S.Space On ”(灵活空间打开)) 显示，然后按遥控器上的 ENTER/YES。
- 4 反复按遥控器上的 ◀◀ 或 ▶▶ 以选择设定，然后按遥控器上的 ENTER/YES。

要	请选择
打开灵活空间功能	S.Space On(工厂设定)
关掉灵活空间功能	S.Space Off

- 5 按遥控器上的 MENU/NO。
要继续录音时，请按照各录音页的方法说明。

要领

显示器出现“ Auto Cut ”(自动截止) 时，如果要再开始录音，则请按遥控器上的 ▶。

调整录音电平

录在 MD 上时，可把录音电平调整为所要音量。不但在作模拟录音时，可调整录音电平，在从 CD 作数字录音等时也可以调整。

- 1 准备好要录的声源并开始播放。
- 2 确认 MD 座呈录音备用状态。
如果不是，即请按 MD REC ●。
- 3 反复按遥控器上的 MENU/NO 至显示器上出现“ Setup Menu ”(调定菜单) 显示。

- 4 反复按遥控器上的 ◀◀ 或 ▶▶ 至出现“ LevelAdjust? ”(电平调整?)，然后按遥控器上的 ENTER/YES。

- 5 按遥控器上的 ◀◀ 或 ▶▶ 以调整录音电平。请确认在声音最宏大的部分，显示器中也不出现“ OVER ”(过大)。

- 6 按遥控器上的 ENTER/YES。

- 7 按遥控器上的 MENU/NO。

- 8 按遥控器上的 ■。
要继续录音时，请按照各录音页的方法说明。

要领

- 录音中也可调整录音电平。
- 一旦调整好的录音电平，可保持到您再作调整为止。

开始编辑以前

编辑前

限下列条件下可给 MD 进行编辑：

- 可录音的 MD。
- MD 播放模式是呈正常播放模式。

编辑前，请检查下列各项。

1 检查要编辑 MD 的小翼。

如果 MD 呈保护录音状态，即将交互显示“C11”和“Protected”(呈保护状态)而不能编辑该 MD。

请滑动小翼关闭小翼口。

2 反复按 PLAY MODE DIRECTION (或遥控器上的 PLAY MODE) 至“PGM”和“SHUFFLE”都消失了显示。

只能用正常播放模式编辑 MD。不能用任意顺序或程序播放模式编辑 MD。

要解除最后的编辑时(第 31 页)

请利用废除功能解除最后编辑而恢复 MD 的内容为编辑前的条件。

编辑中要退出时

可按遥控器上的 MENU/NO。

编辑后

按 MD EJECT ▲ 以卸下 MD 或按 I/⏻ (电源) 以关掉系统的电源。

“TOC”或“STANDBY”即点亮或开始闪烁。TOC 即被更新而完成编辑。

拉出电源线之前

当 MD 的 TOC (目录表) 被更新时，MD 编辑即告完成。当排出 MD 或按 I/⏻ 以关掉系统电源时，TOC 即被更新。在更新 TOC 之前 (“TOC”或“STANDBY”点亮着时) 或正在更新 TOC 时 (“TOC”或“STANDBY”闪烁着时)，不可拉出电源线以保证完全的编辑。

给 MD 加标题

一 命名功能

可为已录音的 MD 创作标题如下。

录音中

录音中如果点亮或闪烁着“TEXT”，便可以把 CD TEXT 信息录在 MD 上如下：

• 录音中自动地记录

当点亮着“TEXT”时如果录到一未录的或已完全抹音(参看第 27 页)的 MD，便可自动地记录 CD TEXT 信息。

• 录音中手动地记录

当“TEXT”闪烁着时，请按遥控器上的 NAME EDIT/SELECT，然后按遥控器上的 ENTER/YES 以记录现在播放中曲子的标题。

注

- 根据光盘，也可能有不能自动记录 CD TEXT 信息的。
- 但是，当把 CD 同时录到 MD 和磁带时，CD 光盘的标题是不能被记录的。

录音后

利用第 24 页的命名功能，可以在一张 MD 上输入总共大约 1700 个的光盘标题和曲子标题用的字符。

1 按遥控器上的 MD 把功能切换为 MD。
要给曲子加标题时，请反复按遥控器上的 **◀◀** 或 **▶▶** 至出现所要曲号。

2 按遥控器上的 NAME EDIT/SELECT。
游标即开始闪烁。

3 反复按遥控器上的 NAME EDIT/SELECT 以选择所要字符的类型。

显示将变化如下：

选择 AB* (大写字母) → 选择 ab* (小写字母) → 选择 12 (数字) → 选择 AB* (大写字母) → ...

* 反复按数字 1 以显示下列符号。

' - / , () : ! ?

此外，当显示器中出现上列符号时，请反复按遥控器上的 **◀◀** 或 **▶▶** 使显示下列符号。

& + < > _ = " ; # \$ % @ * `

4 确认显示器中闪烁着游标。然后输入字符。

如果选择了大写或小写字母

1 反复按相当的字母按钮至要输入的字符起闪烁。

或，按一次该按钮并反复地按遥控器上的 **◀◀** 或 **▶▶**。

2 按遥控器上的 CURSOR →。

闪烁着的字符即被输入而游标将移到右边。

如果选择了数字

即按相当的数字按钮。

数字即被输入而游标将移到右边。

要输入空白时

1 请按遥控器上的 NAME EDIT/SELECT 以选择大写或小写字母。

2 按遥控器上的 10/0。

空白即被输入而游标将移到右边。

5 反复步骤 3 和 4 以输入名称的其余名字。

要改变字符时

反复按遥控器上的 ← CURSOR 或

CURSOR → 至要改变的字符起闪烁，然后按遥控器上的 CLEAR 以抹去字符，再反复步骤 3 和 4。

6 按遥控器上的 ENTER/YES 以完成加标题程序。

即逐一显示您所加入的标题，然后出现原来的显示。

注

播放中，能给曲子加标题。播放将反复到您完成了加标题为止。

[接下页](#)

给 MD 加标题 (续)

拷贝光盘或曲子的标题

可以拷贝下加了标题的光盘或曲子的标题, 当做别的一张光盘内的曲子标题或光盘标题之用。

- 1 在停止模式中按遥控器上的 MENU/NO。
- 2 反复按遥控器上的 **◀◀** 或 **▶▶** 至出现 “Name?” (名称吗?), 然后按遥控器上的 ENTER/YES。
- 3 反复按遥控器上的 **◀◀** 或 **▶▶** 至出现 “Nm Copy?” (拷贝名称吗?), 然后按遥控器上的 ENTER/YES。
- 4 反复按遥控器上的 **◀◀** 或 **▶▶** 以选择 “Disc”(光盘)(拷贝光盘标题时)或所要拷贝曲子标题的曲号, 然后按遥控器上的 ENTER/YES。
- 5 反复按遥控器上的 **◀◀** 或 **▶▶** 以选择指定拷贝曲号或 “Disc”(光盘)(拷贝光盘标题时), 然后按遥控器上的 ENTER/YES。

当出现 “Overwrite ??”(改写吗??) 时

指定拷贝目标已拥有光盘或曲子标题。
要继续拷贝标题时, 请按遥控器上的 ENTER/YES。

检查标题

要检查光盘标题时, 请在停止模式中按遥控器上的 SCROLL。要检查曲子标题时, 可在播放中按遥控器上的 SCROLL。标题将在显示器中轴卷显示。要停止轴卷时, 可按遥控器上的 SCROLL。再按一次按钮以恢复轴卷。

抹去标题

- 1 在停止模式中按遥控器上的 MENU/NO。
- 2 反复按遥控器上的 **◀◀** 或 **▶▶** 至出现 “Name?” (名称吗?), 然后按遥控器上的 ENTER/YES。
- 3 反复按遥控器上的 **◀◀** 或 **▶▶** 至出现 “Nm Erase?” (抹去名称吗?), 然后按遥控器上的 ENTER/YES。
- 4 反复按遥控器上 **◀◀** 或 **▶▶** 至出现要抹去的曲号, 或当要抹去光盘标题时则按到出现 “Disc”(光盘), 然后按遥控器上的 ENTER/YES。

要抹去全标题时

可反复按遥控器上的 **◀◀** 或 **▶▶** 至在步骤 3 中显示了 “Nm All Ers?” (全部抹去名称吗?), 然后按两次遥控器上的 ENTER/YES。

抹去录音

一 抹音功能

MD 座能迅速简单地抹去不要的曲子。

有三个方法可任选用于抹去录音：

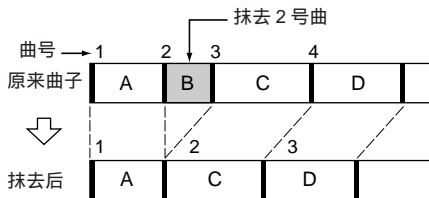
- 抹去单首曲子（曲子抹音功能）
- 抹去全部的曲子（全部抹音功能）
- 抹去曲子的一部分（A-B 抹音功能）

抹去单首曲子

一 曲子抹音功能

只要选出曲号，便可以很简单地抹去曲子。当抹去一曲时，MD 上的总曲数将减一而所有跟在抹去曲子之后的所有曲子都将重新编号。

例：抹去 2 号曲。



- 1 按遥控器上的 MD 按钮把功能切换到 MD。
- 2 按遥控器上的 MENU/NO 以显示“Edit Menu”（编辑菜单）。
- 3 反复按遥控器上的 **◀◀** 或 **▶▶** 至出现“Tr Erase?”（抹去径迹吗？），然后按遥控器上的 ENTER/YES。

4 反复按遥控器上的 **◀◀** 或 **▶▶** 至出现所要曲号。

- 5 按遥控器上的 ENTER/YES。
即出现“Complete!”（完成）。

注

当曲子被录了或在别的录音座上编辑而有录音保护时，将出现“Erase???”。要抹去此曲时，可在显示着“Erase???” 当中按遥控器上的 ENTER/YES。

抹去全部的曲子

一 全部抹音功能

可以一遍地抹去光盘标题，全部所录的曲子以及它们的标题。

- 1 按遥控器上的 MD 按钮把功能切换到 MD。
- 2 按遥控器上的 MENU/NO 以显示“Edit Menu”（编辑菜单）。
- 3 反复按遥控器上的 **◀◀** 或 **▶▶** 至出现“ All Erase ? ”（全部抹去吗？），然后按遥控器上的 ENTER/YES。
即出现“ All Erase ? ”（全部抹去吗??）
- 4 再按一次遥控器上的 ENTER/YES。
即出现“ Complete ! ”（完成）。

接下页

抹去录音 (续)

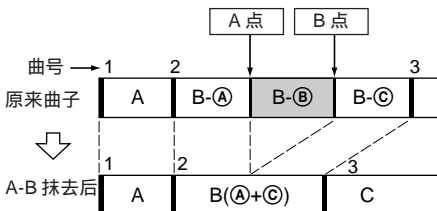
抹去曲子的一部分

— A-B 抹音功能

可以很简单地抹去曲中所指定的一部分。
能用帧*, 分或秒的分割单位移动所要部分。

* 1 帧等于 1/86 秒。

例: 抹去 2 号曲的一部分。



- 1 按遥控器上的 MD 按钮把功能切换到 MD。
- 2 按遥控器上的 MENU/NO 以显示 “ Edit Menu ” (编辑菜单)。
- 3 反复按遥控器上的 ◀◀ 或 ▶▶ 至出现 “ A-B Erase ? ” (A-B 点抹去吗?), 然后按遥控器上的 ENTER/YES。
- 4 反复按遥控器上的 ◀◀ 或 ▶▶ 以选择要抹去曲中一部分的曲子, 然后按遥控器上的 ENTER/YES。
MD 座播放所选曲子从曲子开头到 A 点当中, 将交互显示着 “ —Rehearsal— ” (排演) 和 “ Point A ok? ” (A 点没错吗?)。

- 5 一边监听着声音, 同时反复按遥控器上的 ◀◀ 或 ▶▶ 以找出要抹去部分的起点 (A 点)。
可用 1/86 秒 (1 帧) 间隔 * 单位移动起点。要用秒或分间隔单位移动点时, 请按遥控器上的 ◀◀ 或 ▶▶ 令秒或分起闪烁, 然后按遥控器上的 ◀◀ 或 ▶▶。

* 能用 2 帧间隔 (单耳声模式和 LP2 立体声模式中) 或 4 帧间隔 (LP4 立体声模式中) 单位移动起点。

- 6 反复步骤 5 至能准确地播放 A 点。

- 7 如果 A 点正确, 就请按遥控器上的 ENTER/YES。

即出现 “ Point B set ” (B 点设定) 而开始播放为设定要抹去的部分的终点 (B 点)。

- 8 继续播放至 MD 座到达 B 点, 然后按遥控器上的 ENTER/YES。

即交互显示 “ A-B Ers ” (A-B 点抹去) 和 “ Point B ok? ” (B 点没错吗?) 而 MD 座即将接续地反复 A 点前和 B 点后的数秒钟的部分。

- 9 反复按遥控器上的 ◀◀ 或 ▶▶ 以找出 B 点。操作方法同步骤 5。

- 10 如果 B 点正确, 就请按遥控器上的 ENTER/YES。

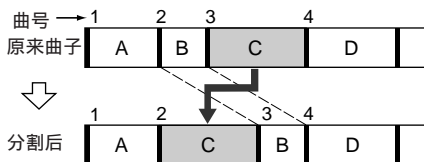
即出现 “ Complete ! ” (完成)。

移动所录曲子

— 移动功能

利用此功能,可任意改变光盘上曲子的顺序。当移动曲子时,曲子将自动地重新编号。

例:移动3号曲到位置2。



- 1 按遥控器上的 MD 按钮把功能切换到 MD。
- 2 按遥控器上的 MENU/NO 以显示“Edit Menu”(编辑菜单)。
- 3 反复按遥控器上的 **⏮** 或 **⏭** 至出现“Move?”(移动吗?),然后按遥控器上的 ENTER/YES。
- 4 反复按遥控器上的 **⏮** 或 **⏭** 至出现要移动的曲号,然后按遥控器上的 ENTER/YES。
- 5 反复按遥控器上的 **⏮** 或 **⏭** 至出现新的曲子位置。



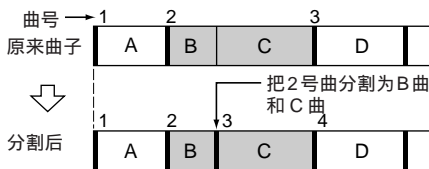
- 6 按遥控器上的 ENTER/YES。即出现“Complete!”(完成)。

分割所录曲子

— 分割功能

录音后可用此功能标记曲号。总曲数即增加一个而跟在分割曲后面的所有曲子都将重新编号。

例:把2号曲分割为两首曲。



- 1 按遥控器上的 MD 按钮把功能切换到 MD。
- 2 按遥控器上的 MENU/NO 以显示“Edit Menu”(编辑菜单)。
- 3 反复按遥控器上的 **⏮** 或 **⏭** 至出现“Divide?”(分割吗?),然后按遥控器上的 ENTER/YES。
- 4 反复按遥控器上的 **⏮** 或 **⏭** 至出现所要分割的曲号。然后听着排演播放而在曲子上的要分割点,按遥控器上的 ENTER/YES。即出现“—Rehearsal—”(排演)并反复播放要被分割的部分。

[接下页](#)

分割所录曲子 (续)

5 一边监听着声音,同时反复按遥控器上的 **⏮** 或 **⏭** 以调整要分割点。

可用 1/86 秒 (1 帧) 间隔 * 单位移动分割点。

要用秒或分间隔单位移动点时,请按遥控器上的 **⏪** 或 **⏩** 令秒或分起闪烁,然后按遥控器上的 **⏮** 或 **⏭**。

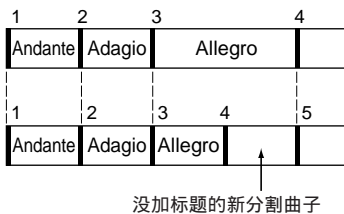
* 能用 2 帧间隔 (单耳声模式和 LP2 立体声模式中) 或 4 帧间隔 (LP4 立体声模式中) 单位移动起点。

6 按遥控器上的 ENTER/YES。
即出现 “Complete!” (完成)。

注

如果把加了标题 (参看第 24 页) 的曲子分割成两首曲,则只有前面的曲子保留有标题。

例:



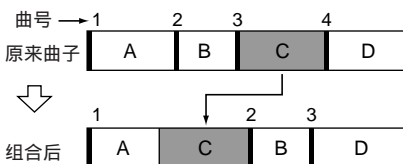
组合所录曲子

— 组合功能

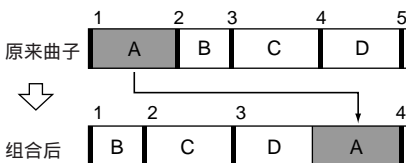
可利用此功能把 2 首曲子组合成一首曲。总曲数将减少一个而跟在组合曲后面的所有的曲子都将重新编号。

也可利用此功能抹去不必要的曲子。

例: 把 3 号曲组合进 1 号曲里。



例: 把 1 号曲组合进 4 号曲里。

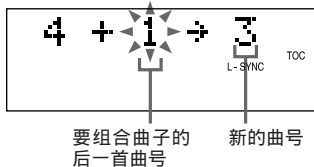


- 1 按遥控器上的 MD 按钮把功能切换到 MD。
- 2 按遥控器上的 MENU/NO 以显示 “Edit Menu” (编辑菜单)。
- 3 反复按遥控器上的 **⏮** 或 **⏭** 至出现 “Combine?” (组合吗?), 然后按遥控器上的 ENTER/YES。

4 反复按遥控器上的 **◀◀** 或 **▶▶** 至出现要组合的两首曲子的前一首曲号，然后按遥控器上的 **ENTER/YES**。

例如，要组合 4 号和 1 号曲时，即选 4。

5 反复按遥控器上的 **◀◀** 或 **▶▶** 至出现要组合的两首曲子的后一首曲号。



6 按遥控器上的 **ENTER/YES**。
即出现“Complete!”(完成)。

注

- 用不同录音模式(立体声, LP2, LP4或 MONO (单耳声)) 录的曲子是不能组合的。
- 要组合的两曲如果都带标题, 则后面曲子的标题将被抹去。

废除最后编辑

— 废除功能

可利用此功能消除最后的编辑而恢复 MD 的内容为编辑前的条件。

但，如果在编辑后作了下列操作，您便不能废除该编辑了：

- 作了另外的编辑。
- 按了 MD REC ● 或 ENTER/START 按钮。
- 关掉系统电源或排出 MD 以更新了 TOC。
- 拔下了电源线。

- 1 在停止模式中按遥控器上的 MENU/NO 以显示“Edit Menu”(编辑菜单)。
- 2 反复按遥控器上的 **◀◀** 或 **▶▶** 至显示器中出现“Undo?”(废除)。
当无编辑功能可消除时，便不会出现“Undo?”(废除)。
- 3 按遥控器上的 **ENTER/YES**。
即根据最后的编辑出现提示。
- 4 再按一次遥控器上的 **ENTER/YES**。
即出现“Complete!”(完成)。

录音后改变录音电平

— S.F 编辑

可利用 S.F (标度因子) 编辑改变所录曲子的音量。原来的曲子即将被录以新的录音电平。在改变录音电平时, 能选渐显 (Fade-in)(声音渐渐变大) 录音以在录音开始时, 渐渐地变大信号电平; 或选渐隐 (Fade-out)(声音渐渐变小) 以在录音末端渐渐变小信号电平。

改变全录音电平

- 1 按遥控器上的 MD 按钮把功能切换到 MD。
- 2 反复按遥控器上的 PLAY MODE 至 “PGM” 和 “SHUFFLE” 都消失了显示。
- 3 按遥控器上的 MENU/NO 以显示 “Edit Menu”(编辑菜单)。
- 4 反复按遥控器上的 ◀◀ 或 ▶▶ 至出现 “S.F Edit?”(标度因子编辑吗?), 然后按遥控器上的 ENTER/YES。
- 5 反复按遥控器上的 ◀◀ 或 ▶▶ 至显示器中出现 “Tr Level?”(曲子电平?), 然后按遥控器上的 ENTER/YES。

6 反复按遥控器上的 ◀◀ 或 ▶▶ 以选择要改变录音电平的曲子, 然后按遥控器上的 ENTER/YES。

即出现 “Level 0dB”(电平 0 分贝)。

7 一边监听着声音, 同时反复按遥控器上的 ◀◀ 或 ▶▶ 以改变录音电平。

录音电平能以 2dB 单位在 -12dB 到 +12dB 之间进行调整。

调整录音电平于强大声音时, 请留意不要让点亮 “OVER”(过大)。

8 按遥控器上的 ENTER/YES。

即出现 “S.F Edit OK?”(标度因子编辑没错吗?)。

9 按遥控器上的 ENTER/YES。

曲子录音中出现 “S.F Edit: **%”。录曲子时, 录音时间须大约等于或略长于该曲子的播放时间。完成录音时, 将显示数秒 “Complete!”(完成)。

要解除操作时

在步骤 2 到 8 中按遥控器上的 MENU/NO。如果在步骤 9 中按了遥控器上的 ENTER/YES 而开始录音, 您便不能中断操作了。

渐显(Fade-in)和渐隐(Fade-out)录音

1 按遥控器上的 MD 按钮把功能切换到 MD。

2 反复按遥控器上的 PLAY MODE 至 “PGM” 和 “SHUFFLE” 都消失了显示。

3 按遥控器上的 MENU/NO 以显示 “Edit Menu”(编辑菜单)。

- 4 反复按遥控器上的 **⏮** 或 **⏭** 至显示器中出现“ S.F Edit ? ”(标度因子编辑吗?), 然后按遥控器上的 ENTER/YES。
- 5 反复按遥控器上的 **⏮** 或 **⏭** 至显示器中出现“ Fade In? ”(渐显?)或“ Fade Out? ”(渐隐?), 然后按遥控器上的 ENTER/YES。
- 6 反复按遥控器上的 **⏮** 或 **⏭** 以选择要渐显或渐隐的曲号, 然后按遥控器上的 ENTER/YES。
即出现“ Time 5.0s ”(时间 5.0 秒)。
- 7 一边监听着声音, 同时反复按遥控器上的 **⏮** 或 **⏭** 以改变渐显或渐隐录音时间。系统即播放要用渐显或渐隐录音模式再录的部分。可用 0.1 秒单位在 1.0 秒到 15.0 秒范围内设定时间。但, 不能设定超过曲子长度的时间。
- 8 按遥控器上的 ENTER/YES。
即出现“ S.F Edit OK? ”(标度因子编辑没错吗?)。
- 9 按遥控器上的 ENTER/YES。
曲子录音中出现“ S.F Edit:***% ”。完成录音时, 将显示数秒“ Complete ! ”(完成)。

要解除操作时

在步骤 2 到 8 中按遥控器上的 MENU/NO。如果在步骤 9 中按了遥控器上的 ENTER/YES 而开始录音, 您便不能中断操作了。

注

- 凡使用 MDLP 模式录的曲子都不能利用 S.F Edit 功能的。
- 即使利用 Undo (废除) 功能, 也不能废除 S.F Edit 功能的。
- 进行录音中, 不可拔下电源线或移动系统。因为可能会损坏录音数据, 妨碍实施适当的录音。
- 别使用损坏了的或肮脏的 MD, 因为可能会妨碍适当的录取数据。
- 反复地改变录音电平, 将使音质变差。
- 一旦经改变过的录音电平, 即使把它改回原来电平, 也不能准确地恢复原来的录音电平的。
- 当激活 (打开) 着定时器时, 是不能改变录音电平的。
- 改变了录音电平之后, 将不能恢复原来条件的。

预约电台

本系统能存储总共30个预约电台(20个FM和10个AM电台)。

- 1 按 TUNER BAND 以选择 FM 或 AM。
- 2 反复按 TUNING MODE 至显示器中出现“ AUTO ”(自动)。
- 3 按 TUNING - 或 +。
当系统扫描电台时，频率将改变。当调谐到电台时，即自动停止扫描。并出现“ TUNED ”(已调谐)和“ STEREO ”(立体声节目时)。
- 4 按遥控器上的 MENU/NO。
即闪烁着预约号。
- 5 反复按遥控器上的 ◀◀ 或 ▶▶ 至出现“ Memory? ”(存储吗?)，然后按遥控器上的 ENTER/YES。
预约号即出现于显示器。电台即从预约号 1 开始存入。



预约号

- 6 按遥控器上的 ENTER/YES。
即出现“ Complete! ”(完成)，电台即被存储。
- 7 反复步骤 1 到 6 以预约其它电台。

要停止扫描时

请按 TUNING MODE。

要调谐信号微弱的电台时

请在步骤 3 反复按 TUNING MODE 至显示器中的“ AUTO ”和“ PRESET ”消失了显示，然后反复按 TUNING - 或 + 以调入电台。

要改变预约号时

请从步骤 1 开始作。

注

在节电模式当中，是不能改变 AM 调谐间隔的。

要领

即使您把电源线拔下了或发生停电，预约的电台仍可保留在系统的存储器中大约一天。

听收音机

— 预约调谐

先在系统的存储器中预约好电台，便于以后要听这些电台时的调谐(参看第34页的“ 预约电台 ”)。

- 1 按 TUNER BAND 以选择 FM 或 AM。
- 2 反复按 TUNING MODE 至显示器中出现“ PRESET ”。
- 3 反复按 TUNING -或+ 以显示所要电台的预约号。
预约号将在显示器中轴卷，随着显示频率(或电台名 * 或 RDS 电台名 **)。
* 电台名只出现于有加标题的电台(参看第36页)。
** 欧洲型号为限。

要关掉收音机电源时
请按 I/⏻。

要输入超过 10 的预约号时
(遥控器为限)

- 1 按 >10。
 - 2 输入相当的数字。
- 要输入 0 时，请代之按 10/0。

例：
要输入预约号 20 时，须先按 >10，然后按 2 和 10/0。

要调谐非预约电台时

- 可在步骤 2 中，反复按 TUNING MODE 至显示器中的“ AUTO ”和“ PRESET ”消失显示，然后反复按 TUNING -或+ 以调入所要电台(手动调谐)。
- 在步骤 2 中，反复按 TUNING MODE 至显示器中出现“ AUTO ”显示，然后按 TUNING -或+。当系统调谐到电台时，频率即改变指示而停止扫描(自动调谐)。

要解除自动调谐时
请按 TUNING MODE。

要领

- 当 FM 广播中，如果有天电，即请按 STEREO/MONO 至显示器中显示“ MONO ”。此时，将变无立体声效果，但可改善收音状况。
- 为改善收音状况，请调整好附带的天线或连接一室外天线。

标记预约电台

一 电台命名

最多可用12个字符标记每一个预约电台（电台命名）。

- 1 调谐所要标记的电台（参看第35页）。
- 2 按照“给CD加标题”的步骤2到6相同方法做（参看第11页）。

要检查预约号和频率时

当调谐到有标记的电台时，即将显示电台名。

要检查预约号和频率时，请按遥控器上的DISPLAY。即出现预约号和频率，继之显示电台名。

要抹去电台名时

- 1 调谐电台。
- 2 按遥控器上的NAME EDIT/SELECT。
- 3 反复按遥控器上的CLEAR以抹去名称。
- 4 按遥控器上的ENTER/YES。

使用收音机数据系统 (RDS)

（欧洲型号为限）

什么叫收音机数据系统？

收音机数据系统(RDS)*是一项广播服务，让电台能和正常的节目信号一起播送附加信息。

注

如果所收听的电台没有适当地传输RDS信号或信号太微弱时，RDS功能将可能不起适当的作用。

*并非所有的FM电台都提供RDS服务，它们也不一定提供同类型的服务。您如果不熟悉RDS系统，可查询一下当地电台有关该地区的RDS服务的详细内容。

接收RDS广播

只像普通一样从FM波段选择一电台。

当您调入了提供有RDS服务的电台时，显示器中即将显示电台名。

要检查RDS信息时

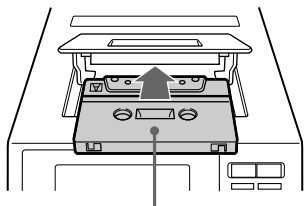
每次按了遥控器上的DISPLAY，显示即改变如下：

电台名*→频率→时钟显示→BASS（低音）→TREBLE（高音）→电台名*→...

*如果没适当地接收到RDS广播，显示器上便可能不显示电台名。

装磁带

- 1 按 PUSH ▲。
- 2 将录音带 / 可录磁带装入盒带架。



令要播放 / 录音的面朝自己方向地插入。

播放磁带

可使用 TYPE (标准) 磁带。

- 1 把可录磁带装进盒带架。
- 2 按 FUNCTION 至显示器中出现“TAPE”。即点亮围绕 TAPE ◀▶ 和 TAPE ■ 按钮的指示灯。
- 3 反复按 PLAY MODE DIRECTION 以选择“↔”以播放磁带单面，选择“↔)”以播放双面，或选择“(↔)”* 以反复播放双面。
* 播放了 5 次之后，磁带即将自动停止。
- 4 按 TAPE ▶◀。
再按一次 TAPE ▶◀ 以播放倒绕面。磁带即开始播放。

其它操作

要	请
停止播放	按 TAPE ■。
暂停	按 TAPE 。再按一次以恢复播放。
快进绕或重绕	磁带停止时，按 ◀◀ 或 ▶▶。
卸下盒带	按 PUSH ▲。

把 CD 录到磁带上

— CD-TAPE 同步录音

可以使用 TYPE (标准) 磁带。

- 1 装一可录磁带。
- 2 装放 CD。
- 3 反复按 SYNCHRO REC 至显示器上出现了“CD-TAPE SYNC”。
- 4 按 ENTER/START。
磁带座即呈录音备用状态而 CD 唱机则呈播放暂停状态。
当要录在倒绕面时, 请按 TAPE ◀▶ 使显示“◀”。
- 5 反复按 PLAY MODE DIRECTION 至显示  以录在单面或按  (或 ) 以录在双面。
- 6 确认显示器中闪烁着“Press START”(按 START)。然后按 ENTER/START。即开始录音。

要停止录音时

请按 CD ■ 或 TAPE ■。

要领

- 要录在磁带双面时, 一定要从磁带的正面开始录。您如果从倒绕面开始录, 录音将停止在倒绕面的终端。
- 进行磁带双面录音时, 当磁带已录到正面的终端, 但正录到一首曲子的中途时, 该曲将自动地重新从头开始全曲录在倒绕面上。
- 可利用 CD 程序播放模式, 只录自己喜欢的 CD 曲子。在步骤 2 以后, 就按照 CD 程序播放的步骤 1 到 5 所述方法作(参看第 10 页)。然后再进行到步骤 3。

把 CD 同时录到 MD 和磁带上

装上要录的 CD。又装好可录音的磁带和 MD。反复按 SYNCHRO REC 至出现“DUAL SYNC”(双同步), 然后进行“把 CD 录到磁带上”的步骤 4 到 6 的操作。

要停止录音时

请按 CD ■, MD ■ 或 TAPE ■。

要领

- 即使 MD 或磁带的其中一个还在录音中途就到达终端, 但其另外一个将继续进行录音。
- 进行磁带双面录音时, 当磁带已录到正面的终端, 但正录到一首曲子的中途时, 该曲将自动地重新从头开始全曲录在倒绕面上。此时, 可能在 MD 上也将再录一遍该全曲。
- 可利用 CD 程序播放模式, 只录自己喜欢的 CD 曲子。在步骤 2 以后, 就按照 CD 程序播放的步骤 1 到 5 所述方法作(参看第 10 页)。然后再进行到步骤 3。

把 MD 录到磁带上

— MD-TAPE 同步录音

可以使用 TYPE (标准) 磁带。

- 1 装一可录磁带。
- 2 装放 MD。
- 3 反复按 SYNCHRO REC 至显示器上出现了“MD-TAPE SYNC”。

4 按 ENTER/START。

磁带座即呈录音备用状态而MD座则呈播放暂停状态。

当要录在倒绕面时,请按TAPE ◀▶使显示“◀”。

5 反复按 PLAY MODE DIRECTION 至显示

↔以录在单面或按 ↷ (或 ↶) 以录在双面。

6 确认显示器中闪烁着“Press START” (按 START)。然后按 ENTER/START。

MD 即开始播放而磁带即开始录音。

要停止录音时

请按 MD ■ 或 TAPE ■。

注

如果磁带已经录满, MD 座和磁带座都将自动停止。

要领

- 可利用 MD 程序播放模式, 只录自己喜欢的 MD 曲子。在步骤 2 以后, 就按照 MD 程序播放的步骤 1 到 5 所述方法作 (参看第 14 页)。然后再进行到步骤 3。
- 要录在磁带双面时, 一定要从磁带的正面开始录。您如果从倒绕面开始录, 录音将停止在倒绕面的终端。
- 进行磁带双面录音时, 当磁带已录到正面的终端, 但正录到一首曲子的中途时, 该曲将自动地重新从头开始全曲录在倒绕面上。

手动地录到磁带上

— 手动地录音

用手动录音, 可以只把 CD 或 MD 光盘上喜欢的部分录到磁带上。也可录收音机的节目。

可以使用 TYPE (标准) 磁带。

1 装一可录磁带。

2 反复按 FUNCTION 以选择要录的信号源。

3 按 TAPE REC ●。

磁带座即呈录音备用状态。当要录在倒绕面时, 请按 TAPE ◀▶ 使显示“◀”。

4 反复按 PLAY MODE DIRECTION 至显示

↔以录在单面或按 ↷ (或 ↶) 以录在双面。

5 按 TAPE ■, 然后开始播放所要录的信号源。

要停止录音时

请按 TAPE ■。

要领

- 要录在磁带双面时, 一定要从磁带的正面开始录。您如果从倒绕面开始录, 录音将停止在倒绕面的终端。
- 进行磁带双面录音时, 当磁带已录到正面的终端, 但正录到一首曲子的中途时, 该曲将自动地重新从头开始全曲录在倒绕面上。

调整声音

产生更加生动的声音

(动态声发生器)

按 DSG (动态声发生器)。

要解除 DSG 时,可再按一次 DSG。

调整低音

旋转 BASS (低音)。

可以分 7 段调整低音。

调整高音

旋转 TREBLE (高音)。

可以分 7 段调整高音。

要用遥控器调整低音和高音时

- 1 反复按 BASS/TRE 以选择 BASS 或 TREBLE。
- 2 当显示器中显示着“BASS”或“TREBLE”时,反复按 ◀◀ 或 ▶▶ 至出现所要电平。

听着音乐入睡

一 睡眠定时器

睡眠定时器功能可指定睡眠时间,设定系统在该预调的时刻停止播放并自动地关掉电源。于是便可听着音乐入睡了。

反复按遥控器上的 SLEEP。

睡眠时间即将变化如下:

AUTO*(自动)→90min(分钟)→80min
→70min→...→10min→OFF(关掉)
→AUTO*(自动)→...

* 当现在播放中 CD 或录音带放完时(最久 100 分钟),电源即将关掉。当用手动停掉 CD 或磁带时也将关掉系统电源的。

要	请
检查剩余睡眠时间	按一次遥控器上的 SLEEP。
改变睡眠时间	反复按遥控器上的 SLEEP 至出现所要时刻。
解除睡眠定时器功能	反复按遥控器上的 SLEEP 至出现“OFF”。

注

正在进行同步录音在 MD 或磁带上时,是不能设定于“AUTO”的。

用音乐闹醒

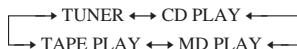
— 每日定时器

设定好每天定时器，便可以在预调指定的时间自动打开和关掉系统的电源。要利用此功能，须预先设定好时钟（参看第7页的“设定时间”）。

- 1 准备好当系统打开电源时，要听的音乐声源。
 - CD：装好CD。如果要从指定的曲子播放，便须预先编作程序（参看第10页的“给CD上曲子编程序”）
 - MD：装好MD。如果要从指定的曲子播放，便须预先编作程序（参看第14页的“给MD上曲子编程序”）
 - 录音带：装好录音带，使要播放的一面朝向自己。
 - 收音机：调入所要的预约电台（参看第35页的“听收音机”）。
- 2 调整音量。
- 3 按遥控器上的 CLOCK/TIMER SET。
显示器中即出现“DAILY SET”（每日设定）和“⊖ DAILY”。
- 4 按遥控器上的 ENTER/YES。
即出现“ON”并闪烁着点钟指示。

- 5 设定开始播放的时间。
反复按遥控器上的 ◀◀◀ 或 ▶▶▶ 以设定点钟，然后按遥控器上的 ENTER/YES。
其次，即闪烁着分钟指示。
反复按遥控器上的 ◀◀◀ 或 ▶▶▶ 以设定分钟，然后按遥控器上的 ENTER/YES。
即出现“OFF”，时钟指示再起闪烁。

- 6 反复步骤5以设定停止播放的时间。
- 7 反复按遥控器上的 ◀◀◀ 或 ▶▶▶ 至所要音乐声源出现显示。
显示将变化如下：



- 8 按遥控器上的 ENTER/YES。
即循环显示开始时刻，停止时刻，和音乐声源，然后恢复原来显示。
- 9 按 I/⏻ 以关掉系统电源。

接下页

要	请
检查设定 / 激活定时器	按遥控器上的 CLOCK/TIMER SELECT 并反复按遥控器上的 ◀◀ 或 ▶▶ 至显示器中出现 “DAILY SELECT”，然后按遥控器上的 ENTER/YES。
改变设定	再从步骤 1 开始。
关掉定时器	按遥控器上的 CLOCK/TIMER SELECT 并反复按遥控器上的 ◀◀ 或 ▶▶ 至显示器中出现 “TIMER OFF?”，然后按遥控器上的 ENTER/YES。

注

- 在指定开始播放时刻的 30 秒前便将打开系统的电源。从系统打开电源到每日定时器开始操作之间，不要去操作系统。否则，定时器将不能准确地打开。
- 不能利用连接于 ANALOG IN 插孔的选构件组成机当做每日定时器用声源。

定时录收音机节目

要作定时录音，须先对准系统时钟（参看第 7 页的“设定时间”）和预约好电台（参看第 34 页的“预约电台”）。

- 1 调入所要预约电台（参看第 35 页的“听收音机”）。
- 2 装入可录磁带或 MD。
- 3 按遥控器上的 CLOCK/TIMER SET。即显示 “DAILY SET”（每日设定）。
- 4 反复按遥控器上的 ◀◀ 或 ▶▶ 至显示器中出现 “MD REC SET” 或 “TAPE REC SET”，然后按遥控器上的 ENTER/YES。即出现 “ON” 和 “⊙ REC” 显示并闪烁着点钟指示。
- 5 设定开始录音时间。
反复按遥控器上的 ◀◀ 或 ▶▶ 以设定点钟，然后按遥控器上的 ENTER/YES。其次，即闪烁着分钟指示。
反复按遥控器上的 ◀◀ 或 ▶▶ 以设定分钟，然后按遥控器上的 ENTER/YES。即出现 “OFF”，时钟指示再起闪烁。
- 6 反复步骤 5 以设定停止录音时间。
- 7 要录在 MD 时，可按遥控器上的 ◀◀ 或 ▶▶ 以选择录音模式（例如 LP2），然后按遥控器上的 ENTER/YES。即出现定时录音设定，然后恢复原来显示。

8 按 1/⏻ 以关掉系统电源。

要	请
检查设定 / 激活定时器	按遥控器上的 CLOCK/TIMER SELECT 并反复按遥控器上的 ◀◀ 或 ▶▶ 至显示器中出现 “ MD REC? ” 或 “ TAPE REC? ”, 然后按遥控器上的 ENTER/YES。
改变设定	再从步骤 1 开始。
关掉定时器	按遥控器上的 CLOCK/TIMER SELECT 并反复按遥控器上的 ◀◀ 或 ▶▶ 至显示器中出现 “ TIMER OFF? ”, 然后按遥控器上的 ENTER/YES。

要领

从收音机录音时, 电台名 (参看第 36 页, 电台未加标题时, 是频率), 开始时间和停止时间都将自动地录在 MD 上。

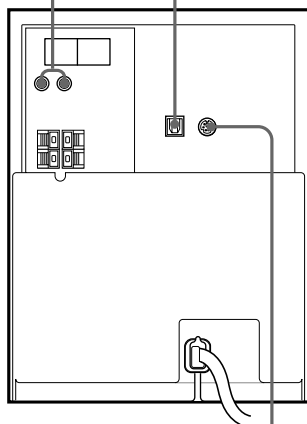
注

- 系统将在指定开始时刻的 30 秒前打开电源。
- 在指定开始时刻, 如果打开着电源, 定时录音便不起作用。在系统打开了电源至开始录音之间, 不可操作系统。否则将不能正确地打开定时器。
- 当录在全新的 MD 时, 开头的 15 秒是不能录的。
- 在预调时刻的大约 30 秒前, 系统如果打开着电源, 定时器录音便将不能被激活 (打开) 的。
- 录音中, 音量将减至最小。

连结选购件组成机

您的系统可以连结上各种各样组成机以增强娱乐功能。必须对准插头和连接器的色码连结。也可以把个人电脑连接到 PC LINK 连接器上而从个人电脑去操作本系统。

至您的唱机 / 录像机上 至数字组成机上的光
的声频输出插孔 频数字输出插孔 *



PC LINK (个人电脑连锁)

* 如果插孔盖着盖子, 则请在使用前, 先卸下盖子。

要	请
听所连接的数字组成机	反复按 FUNCTION 至显示器中出现 “ OPTICAL IN ”。
听所连接的唱机 / 录像机	反复按 FUNCTION 至显示器中出现 “ ANALOG IN ”。
从个人电脑去操作本系统	利用能对应本系统的 Sony PC 连接工具套 (选购件) 把个人电脑连接到 PC LINK 连接器上。

使用前须注意

操作电压须知

在操作使用系统之前,请检查您系统的操作电压是否符合当地的电源电压。

安全须知

- 如果机器电源线仍接插在墙上插座(主电源),则即使关掉了机器的电源开关,机器依然没有断开 AC 电源的。
- 当长期不使用机器时,务请从墙上插座拔出机器的电源线插头。要拔开电源线时,必须抓住插头,别拉着导线部分拔。
- 万一有任何杂物或液体掉进组成机里面时,必须找持有资格的人检查过以后才能再操作使用。
- 要更换 AC 电源线时,必须找专门服务店。

放置时须知

- 别把机器放在倾斜的地方。
- 别把机器放在如下地方:
 - 太热或太冷。
 - 多灰尘或太脏。
 - 太潮湿。
 - 有振动。
 - 会直接晒到太阳。
- 当把机器或扬声器摆放在经过特别处理(例如打蜡,涂油,抛光等)的地板上时,可能导致该部分地板面的形成色斑或退色,请留意。

内积热须知

- 操作时,机器会发生内积热。这并不是故障。
- 机器应放置在通风处以防内积热不能散热。

如果长时间用大音量使用本机,则机壳顶面,侧面和底面的温度会升到很高。此时,请不要去摸机壳以免烫伤。

为防机器故障,切勿盖住冷却风扇的通风孔。

操作须知

- 如果把机器从寒冷处直接移到温暖处,或把机器放置在极潮湿的房间里,则 CD 唱机内的透镜面上可能会发生湿气冷凝。因此,机器将不能作适当的操作。此时,请取出 CD,让机器打着电源放置大约 1 个小时让冷凝水分蒸发干。
- 要移动机器时,须先取出一切光盘。

关于您的机器如果还有任何疑问或问题,请洽询附近的 Sony 经销店。

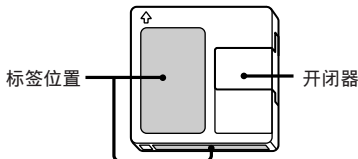
扬声器系统须知

本扬声器系统并不是磁屏蔽型。因此,电视机的影像可能会受磁性干扰。此时,可关掉一下电视机的电源,等 15 到 30 分之后再打开电源。

如果干扰似乎并没有获得改善,即请把扬声器放离开电视机远些。也请别在扬声器附近放置附加有或使用有磁铁的物体,例如音响机架,电视机台,和玩具等。因为这可能与系统发生相互作用而造成磁性干扰。

MD 须知

- 强制打开开闭器,很可能会损坏光盘。如果开闭器开着,请注意不要接触到里面的光盘地立即关上它。
- 光盘附带的标签,只可贴在指定的标签凹痕中。不可把标签贴在开闭器周围或别的位置。请注意凹痕的形状常因光盘而异。



- 用干布擦拭干净光盘匣上的污垢。
- 别让 MD 直接照射到阳光或暴露于诸如热气管等热源,也不要放置在停放于阳光下的汽车内。

- 如下状况的CD,可能会在把它录到MD上时,发生读取失败或噪声:
 - 加贴了标签的CD。
 - 不规则形的CD(例如,心形或星形的)。
 - 有关文本只印刷一面的CD。
 - 陈旧的CD。
 - 有裂痕的CD。
 - 肮脏的CD。
 - 扭曲了的CD。
- 在播放或录CD当中如果发生如下状况,便可能造成读取错误或录音件的噪声:
 - CD托盘或系统的别的部分受到碰撞。
 - 系统放在不平坦或松软的表面。
 - 系统放在靠近扬声器,门扉,或别的振动源旁边。
- 如果发生读取错误,便将造成一额外的无声径迹。可用编辑功能抹去此额外的径迹(参看第27页)。

CD 须知

- 播放CD前,请用清洁布擦拭干净CD表面。须从CD的中心向外擦拭。
- 不要播放加贴有胶带,贴签,或沾染有粘胶的CD。因为它可能会损坏系统。
- 不可用溶剂去清洁CD。
- 别让CD直接晒到太阳或暴露于热源旁边。
- 本机不能用于播放不规则形的光盘(例如心形,方形,星形)。如勉强试图使用,可能会损坏机器。

CD-R/CD-RW 播放须知

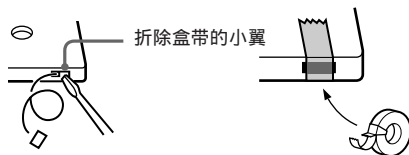
CD-R/CD-RW激励所录光盘,可能因有刮痕,肮脏,录音条件或激励特性的关系而不能播放。又凡未录到终了的光盘也不能播放的。

清洁机壳

可用软布蘸湿温和的洗涤剂溶液擦拭清洁机壳,控制板和控制器。不可使用任何类型的沙布,研磨粉或如稀释剂,油精或酒精。

要永久保存录音带时

为防有用的录音带意外地被重录,如图所示,请拆除盒带A面或B面的盒带小翼。



以后如果要再利用此磁带时,可用粘胶带盖住小翼凹孔。

要把盒带装入录音带座之前

请卷紧松懈的录音带。否则录音带可能会缠住录音带座的零件而损坏了机构。

使用90分钟以上的长录音带时

这种录音带伸缩性大。故不要频繁地改变播放,停止,和快绕等磁带操作。因为录音带可能会缠住在录音带座内。

清洁磁头

每使用过10小时之后,即请清洁一下磁头。

每在作重要录音之前或播放了陈旧的录音带之后,都一定要清洁一下磁头。清洁磁头可利用另售干式或湿式的清洁盒带。详细,请参考清洁盒带的说明书。

磁头去磁

每使用过20到30个小时,即请用另售的去磁盒带给磁头和接触到录音带的金属部分去磁。详细,请参考去磁盒带的使用说明书。

MD 的系统限制

MD 座的录音系统有如下所述的限制。

这些限制是 MD 录音系统本身固有的特性,并不是机械上的问题。

在 MD 已录到最大录音时间之前,即将出现“Disc Full!”(满光盘)

当已在 MD 上录满 255 曲时,则不管总录音时间多少,都将出现“Disc Full!”。亦即不能在 MD 上录超过 255 个曲子(径迹)。如果要继续录音,必须抹去不必要的曲子或使用另外的可录音的 MD。

当录满最大曲数(255)以前,将出现“Disc Full!”(满光盘)

曲中的起伏增强声,有时会被认作径迹间隔而增加了曲子(径迹)计数,因而提早出现“Disc Full!”(满光盘)。

虽抹去了许多短曲,仍然并不增加剩余录音时间

12 秒* 以下的短曲并不能记数。因此,抹去了它们也并不能增加录音时间。

* 作立体声录音中。(手动和 LP2 立体声录音中,大约 24 秒,或 LP4 立体声录音中大约 48 秒)

有些曲子不能与别的曲子组合

曲子如果没有经过编辑,是不能组合的。

MD 上的总录音时间和剩余时间,并不能总计为最大录音时间

无论录音材料再短,录音都将以 2 秒* 为最小单位进行。所录内容可能短于最大录音容量。光盘的容量也可能因有刮痕而减短。

* 立体声录音中(手动和 LP2 立体声录音中,大约 4 秒,或 LP4 立体声录音中大约 8 秒)

寻找编辑曲子时,声音可能脱落

经过编辑的曲子在寻找中,可能呈现声音脱落。这是因为当曲子没按顺序排列而要高速进行播放时,须花时间寻找在光盘上的位置所致。

不能标记曲号

模拟录音中,当显示窗里点亮了“L-SYNC”(21 页)时,便可能不能在曲子开头标记曲号:

- 如果输入信号低于径迹间 2 秒以下的某固定电平。
- 如果输入信号低于径迹中央 2 秒以上的某固定电平。
- 如果录了 4 秒或以下* 的径迹。

* 立体声,单耳声或 LP2 立体声录音模式中。
(在 LP4 立体声录音模式中:8 秒或以下)

形成额外径迹

如果在 CD 曲间有长时间的宁静段,便可能形成一额外径迹。

连续拷贝管理系统指南

数字音频组成机,例如,CD,MD和DAT利用数字信号处理音乐,可让您很容易地拷贝到高音质的音乐。

为了保护音乐节目的版权,本系统采用了连续拷贝管理系统,它只让您能用数字对数字的连接,拷贝一次数字录音的声源。

您只能用数字对数字的连接作第一世代*的拷贝。

亦即:

- 1 可以拷贝市售数字声节目(例如,CD或MD),但不能从第一代拷贝件作第二次的拷贝。
 - 2 可以拷贝一来自数字录音的模拟声节目(例如,模拟唱片或录音带),或从数字卫星广播节目的数字信号,但是不能作第二次拷贝。
- * 第一世代拷贝的意思是用数字音频设备进行数字信号的数字录音。
例如,您从本系统的CD唱机录到MD座,便是作了第一世代拷贝。

故障探寻

用本机时如果发生问题,可用下表检查一下。

首先请检查电源线是否接插稳固和扬声器是否连接妥当而稳固。

问题仍不能解决时,请洽询附近的Sony销售店。

共通

没有声音。

- 顺时针方向扭转 VOLUME。
- 确认没连接着头戴耳机。
- 检查扬声器的连接状态(参看第6页)。
- 进行 CD-MD 高速同步录音中是不输出声音的。

声音只来自一个频道或左,右音量不平衡。

- 适当地连接好扬声器导线(参看第6页)。
- 扬声器尽可能摆放得对称。
- 每组扬声器端子只连接一个附带的扬声器。
- 连接附带的扬声器。

有严重的哼声或噪声。

- 把系统移离噪声的的发生源。
- 把系统连接到别的墙上插座。
- 在电源系统上安装噪声滤波器(市售品)。

显示器中出现“--:--”。

- 请重新设定好时钟和定时器(参看第7页)。

定时器不能设定。

- 重新设定好时钟(参看第7页)。

接下页

故障探寻 (续)

定时器不起作用。

- 按遥控器上的 CLOCK/TIMER SELECT 而显示器中即点亮 “⊙DAILY” 或 “⊙REC” (参看第 41, 42 页)。
- 检查设定内容并正确地设定好时钟 (参看第 7 页)。
- 解除睡眠定时器功能 (参看第 40 页)。
- 不能同时激活每日定时器和录音定时器。

遥控器不起作用。

- 排除遥控器和本机之间的障碍物。
- 把遥控器移近系统。
- 令遥控器正确地指向机器的传感器。
- 请更换电池 (AA, 3 号 / R6)。
- 系统要远离荧光灯安置。

CD 唱机

CD 托盘不能关闭。

- CD 光盘没有正确地装妥在中心。
- 经常都请按 CD EJECT ▲ 关闭托盘。试图用手指推着关托盘, 可能使 CD 唱机发生问题。

CD 不能排除。

- 请洽询附近的 Sony 销售店。

CD 不开始播放。

- 打开 CD 托盘看看有没有装 CD。
- 擦拭干净 CD (参看第 45 页)。
- 更换 CD。
- CD 的标签面朝下地装错了, 请把 CD 装正确在托盘的中心。
- 发生了湿气冷凝。请取出 CD 光盘擦干水分, 并让系统开着电源放置大数小时至机器里的水分蒸发干了。
- 按 CD ►|| 以开始播放。

跳音。

- 擦拭干净 CD (参看第 45 页)。
- 更换 CD。
- 把系统移放在没振动的地方 (例如稳定的台面)。
- 试把扬声器移离开系统, 或把它们放置在分离台上。
当大音量听曲子低音时, 扬声器的振动可能引起跳音。

不从第一首曲子开始播放。

- 反复按 PLAY MODE DIRECTION (或遥控器上的 PLAY MODE) 至 “PGM” 或 “SHUFFLE” 消失显示以回到正常播放。

出现 “OVER”。

- 按住 ◀◀ 或按 ◀◀◀ 以回到要放位置。

MD 座

装不进 MD。

- 让 MD 的箭头面朝上并令箭头指向 MD 座。

控制器不起作用。

- 请更换新的 MD。
- 在关掉了 “TOC” 或 “STANDBY” 之后, 重新试试操作。

不能开始播放

- 更换 MD。
- 装入 MD 光盘并让系统开着电源放置数小时至水分蒸发干了。
- 按 MD ►|| 以开始播放。

跳音。

- 更换 MD。
- 把系统移放在没振动的地方 (例如稳定的台面)。
- 试把扬声器移离开系统, 或把它们放置在分离台上。
当大音量听曲子低音时, 扬声器的振动可能引起跳音。
- 装入光盘并打开着电源等候 10 到 20 分钟。

不从第一首曲子开始播放。

- 反复按 PLAY MODE DIRECTION (或遥控器上的 PLAY MODE) 至 “PGM” 或 “SHUFFLE” 消失显示以回到正常播放。

出现 “OVER”(超过了)。

- 按住 ◀◀ 或按 ▶▶ 以回到要放位置。

录音中点亮 “OVER”(超过了)。

- 把所连接组成机的音量设定小些。
- 请调低一些录音电平 (参看第 23 页)。

作了录音或编辑,但 TOC 并不更新。

- 当卸下 MD 时,MD 的录音和编辑内容将被录到 MD 上。故必须确认在录音或编辑之后卸下 MD (参看第 16 和 24 页)。

不能录音。

- 卸下 MD 并滑动小翼关掉小翼口 (参看第 16 页)。
- 连接适当选购件 A/V 组成机 (参看第 43 页)。
- 切换到别的声源。
- 更换一张可录的 MD,或利用抹去功能抹去不必要的曲子 (参看第 27 页)。

来自所录 MD 的声音太小 (或太大)。

- 重新调整录音电平 (参看第 23 页)。
-

磁带座

磁带不录音。

- 盒带室内没装磁带。请装上盒带。
- 盒带上的小翼被折除了。请用粘胶带盖住小翼凹孔 (参看第 45 页)。
- 盒带卷到了末端。

磁带既不能录也不能放,或声音太小。

- 磁头脏了,请清洁磁头。
- 录 / 放磁头有余磁。请加予去磁 (参看第 45 页)。

录音带不能完全抹音。

- 录 / 放磁头有余磁。请加予去磁 (参看第 45 页)。

有过大的频率颤动,或声音脱落。

- 磁带座中的主动轴或紧带轮脏了。请用清洁盒带加以清洁 (参看第 45 页)。

噪音增大,或高频音被抹去了。

- 录 / 放磁头有余磁。请加予去磁 (参看第 45 页)。
-

[接下页](#)

故障探寻 (续)

选购件组成机

没有声音。

- 请参考第47页的共通项目“没有声音”并检查系统的状况。
 - 适当地连接好组成机(参看第43页)同时也检查：
 - 导线是否连接妥当。
 - 导线插头是否完全接插妥当。
 - 打开所连接组成机的电源。
 - 参考所连接组成机附带的使用说明书并开始播放。
-

声音失真。

- 将所连接组成机的音量设定低些。
-

调谐器

有严重的哼声或噪声 (“ TUNED ” 或 “ STEREO ” 起闪烁)。

- 设定好适当的波段和频率 (参看第 34 页)。
 - 适当地连接好天线 (参看第 6 页)。
 - 找出接收状况较好的方位，然后再调定天线。如果仍然不能获得改善，最好能借用市售的室外天线。
 - 附带的 FM 电线天线须用全长度接收信号，故必须完全伸开。
 - 天线请尽可能放置远离扬声器导线。
 - 附带的 AM 天线如果脱开了塑胶架，即请洽询附近的 Sony 销售店。
 - 试关掉周围的电气设备的电源看看。
-

立体声的 FM 节目不能收听到立体声。

- 按 STEREO/MONO 使出现 “ STEREO ” 显示。
 - 参看 “ 有严重的哼声或噪声 (“ TUNED ” 或 “ STEREO ” 起闪烁) ”，并检查一下天线的条件。
-

录到时，可听到周期性的天电噪声。

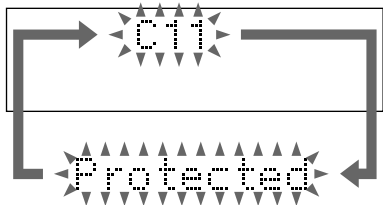
- 调整天线方位和位置至噪声消失。
-

经实施了上述探测，如果系统仍然不能适当地起作用，便请重调系统如下：

- 1 拔下墙上插座的电源线。
- 2 再把电源线接插到墙上插座。
- 3 按 I/⏻。
- 4 同时按 TUNER BAND , CD EJECT ▲ , 和 REC MODE。

自我诊断显示

本系统拥有自我诊断显示功能，可让您知道系统发生故障。显示器上可交互显示三个字母的代码和提示以告诉您问题所在。可以参考下表试解决问题。如果故障问题仍不能解决时，就请查询附近的 Sony 销售店。



C11/Protected (呈被保护状态)

MD 呈防止被抹音的保护状态。

→取出 MD 滑动其小翼以关闭小翼口(参看第 16 页)。

C12/Cannot Copy (不能拷贝)

试图用带有系统不适用的格式的 CD 或 MD 进行录音，例如 CD-ROM 等。

→卸下光盘并关掉一下系统的电源，然后再打开电源。

C13/REC Error (录音错误)

不能适当地实施录音。

→把系统移到稳定的地方再从开头开始录看看。

MD 肮脏或有裂痕，或 MD 不合标准。

→更换 MD 而再从开头开始录音。

C13/Read Error (读取错误)

MD 座不能适当地读取光盘信息。

→取出一下 MD，然后再把它装上。

C14/Toc Error (目录表错误)

MD 座不能适当地读取光盘信息。

→更换 MD。

→请用全抹去功能(参看第 27 页)抹去全部所录的 MD 内容。

C41/Cannot Copy (不能拷贝)

所用声源是市售音乐软件的拷贝件。

→连续拷贝管理系统制止了您的数字拷贝(参看第 47 页)。

提示

操作系统当中，显示器中可能出现下列提示的一个。

MD

Auto Cut (自动截止)

进行数字录音中，因为静寂时间延续 30 秒或以上而 MD 座呈录音暂停状态。

Blank Disc (空白光盘)

所装入的可录 MD 是全新的，或 MD 上的全部的曲子都被抹音了。

Cannot Edit (不能编辑)

- MD 座里装的光盘是原版录音的 MD。
- 试图在程序播放或任意顺序播放模式中进行编辑。

Cannot REC (不能录音)

- MD 座里装的光盘是原版录音的 MD。
- 功能被切换为 MD。

Cannot SYNC (不能同步)

- MD 座中没装光盘，或 MD 呈抹音保护状态。
- MD 上已无剩余时间。

Complete! (完成)

MD 的编辑操作已告完成。

[接下一页](#)

自我诊断显示 (续)

Disc Full ! (满光盘)

MD 上已无剩余时间。

Eject (排除)

MD 座正排除了 MD。

Impossible (不可能)

- 试图作一不可能的编辑操作。
 - 由於 MD 的系统限制而不能组合或抹去曲子。
 - 当您在曲子的开头或末端指定了分割点时,便将出现“Impossible”(不可能)
请按 **◀◀** 或 **▶▶** 以移动一下位置。
-

Incomplete ! (未完成)

由于机器受到振动或受损坏,或托盘中的光盘肮脏而使在录音后或渐显 (Fade-in) 和渐隐 (Fade-out) 程序后的录音电平的调整失败。请不要使用损坏了的,或肮脏的光盘。

Name Full (满名)

已无空位储存曲子或光盘的标题。

No Change (无改变)

录音后当您改变录音电平时,由于还没作好调整就按了 ENTER/YES, 因此不改变录音电平。

MD No Disc (无 MD 光盘)

MD 座中没装光盘。

No Name (无名)

试图显示没有给加标题的光盘或曲子的标题。

OVER (超过了)

在播放暂停中,当按住 **▶▶** 时,已经到达了 MD 的末端。

Step Full ! (步骤已满)

试图给 26 首或以上的曲子 (步骤) 编程序。

Push STOP ! (按停)

播放中,您按了 PLAY MODE DIRECTION (或遥控器中的 PLAY MODE)。

— Rehearsal — (排演)

在 A-B (段) 抹音功能或分割功能中, MD 正播放所指定分割点, 用于确认。

S.F Edit ! (S.F 编辑 !)

在进行 S.F 编辑(在录音后或渐显和渐隐后的录音电平调整) 中试图实施别的操作。当进行 S.F 编辑中是不能实施别的操作的。

S.F Edit NOW (S.F 编辑中)

在进行 S.F 编辑(在录音后或渐显和渐隐后的录音电平调整) 中, 按了 **⏏**。在还没有完成 S.F 编辑之前, 您如果关掉了电源, 编辑即将不能获得适当的改写。请在完成了编辑之后, 才关掉电源。

如果一定要在编辑中关掉电源, 可在显示着提示中, 再按一次 **⏏**。

Smart Space (灵活空间)

进行数字录音中, 在静寂持续了 3 秒或以上 30 秒以下之后, 再输入信号。

Standby (备用, 闪烁着)

定时录音件已消失显示过了时而不能有效地保存光盘, 或由于程序已消失了显示过了时, 而不能完成程序播放。

Text Protect (文本保护)

CD TEXT 信息是不能录在 MD 上的。

TOC Reading (读取目录表)

MD 座正在读取 MD 的 TOC 信息。

TOC Writing (写入目录表)

MD 座正在读取所录信息或所编辑内容。

Track End (曲子末端)

进行分割功能操作中, 在调整分割点时, 已经到了曲子末端。

调谐器

Cannot Edit (不能编辑)

试图给非预约电台加标题或抹去标题。

CD

Cannot Edit (不能编辑)

试图给 CD TEXT 光盘加标题。

CD No Disc (无 CD 光盘)

唱机中没有装 CD。

Name Full (满名字)

系统中已存满 50 光盘的标题。

OVER (超过了)

在播放或暂停中,当按住▶▶时,已经到达了CD的末端。

Step Full! (步骤已满)

试图给 26 首或以上的曲子(步骤)编程序。

磁带

Cannot SYNC (不能同步)

磁带座中没装磁带,或已折除了盒带上的抹音保护小翼。

No Tab (无小翼)

盒带上的保护小翼被折除而不能用于录音。

No Tape (无磁带)

磁带座中没有装磁带。

规格

放大器部分

下列是在 220 V AC, 60 Hz 状况下测得

DIN 功率输出(额定): 24 + 24 W
(1 kHz 时 6 , DIN)

连续 RMS 功率输出(基准):
27 + 27 W
(1 kHz 时, 6 , 10%
总谐波失真)

输入端子

ANALOG IN (唱机插孔):

灵敏度 250 mV ,
阻抗 47 K

DIGITAL OPTICAL IN (对应取样频率:
32 kHz, 44.1 kHz 和 48 kHz)

输出端子

PHONES (立体声小型插孔):

适用 8 或以上阻抗的头
戴耳机

SPEAKER (扬声器): 适用 6 到 16 阻抗

CD 唱机部分

系统

小型光盘和数字声频系
统

激光器

半导体激光器
($\lambda = 780 \text{ nm}$)
发射延续性: 连续

波长

780 ~ 790 nm

频率响应

2 Hz ~ 20 kHz ($\pm 0.5 \text{ dB}$)

磁带唱机部分

录音系统

4 径迹 2 声道立体声

频率响应

使用 Sony TYPE 盒
带时, 50 ~ 13,000 Hz
($\pm 3 \text{ dB}$)

频率颤动

$\pm 0.15\% \text{ W. 峰值 (IEC)}$
 $0.1\% \text{ W.RMS (NAB)}$
 $\pm 0.2\% \text{ W. 峰值 (DIN)}$

MD 座部分

系统

小型光盘和数字声频系统

激光器

半导体激光器
($\lambda = 780 \text{ nm}$)
发射延续性: 连续

取样频率

44.1 kHz

频率响应

5 Hz ~ 20 kHz

[接下页](#)

规格 (续)

调谐器部分

FM 立体声, FM/AM 超外差调谐器

FM 调谐器部分

调谐范围 87.5 ~ 108.0 MHz
(50-kHz 步进)
天线 FM 导线天线
天线端子 75 不平衡
中频 10.7 MHz

AM 调谐器部分

调谐范围 531 ~ 1,602 kHz
(调谐间隔设定于9 kHz)
天线 AM 环形天线, 室外天线
端子
中频 450 kHz

扬声器

扬声器系统 2 路, 低音反射系统
扬声器单元 12 cm 直径, 锥型低音扬声器
2.5 cm 直径, 半圆顶型高音扬声器
标称阻抗 6
尺寸 (宽 / 高 / 纵深) 大约 150 × 252 × 252 mm
质量 每个扬声器净重大约 3.0 kg

一般规格

电源 220 V AC, 50/60 Hz
电力消耗 75 W
尺寸 (宽 / 高 / 纵深) 大约 190 × 252 × 335 mm
含突起部分和控制器

质量 大约 7.0 kg

附带附件

遥控器 (1)
AM 环形天线 (1)
FM 导线天线 (1)
电池 (2)

选购件附件

PCLK-MN10A Sony
PC (个人电脑) 连接工
具套
本系统的选购件附件, 可能有所变更, 恕不另行奉告。详细情形, 请洽询附近的 Sony 销售店。

设计和规格有所变更时, 恕不另行奉告。