

Micro Hi-Fi Component System

Operating Instructions



MDLP

CMT-PX333

Warning

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

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

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



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



The following caution label is located inside the apparatus.



Don't throw a battery, dispose it as the injurious wastes.

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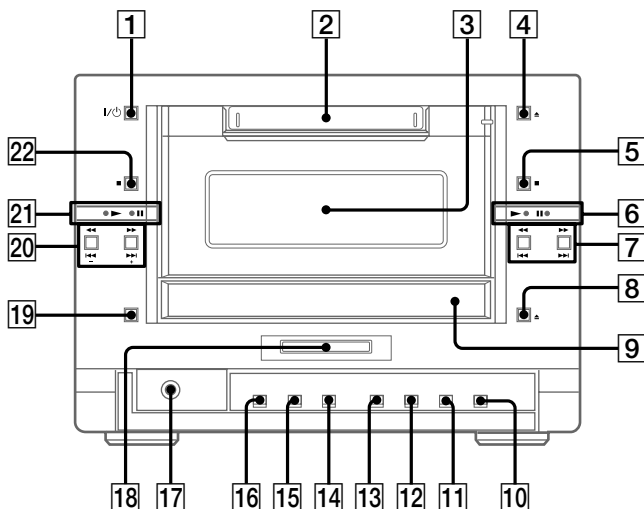
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* European model only

The items are arranged in alphabetical order. Refer to the pages indicated in parentheses for details.

Main unit



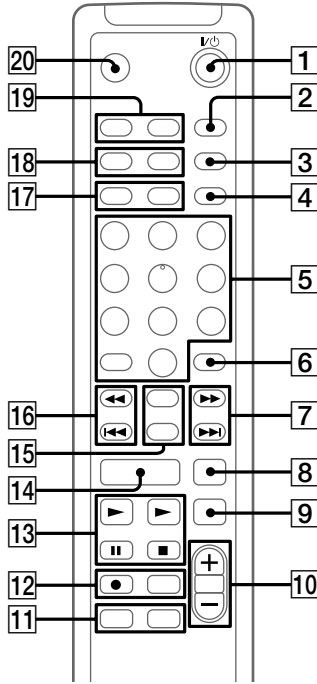
- CD disc tray **9** (8)
- CD SYNC HIGH **10** (17)
- CD SYNC NORMAL **11** (17)
- CD ▶|| **21** (9)
- Display window **3**
- FUNCTION **16** (9, 13, 18, 25, 41)
- MD insertion slot **2** (13)
- MD ▶|| **6** (13)
- PHONES jack **17**

- PLAY MODE **15** (9, 13, 24)
- REC/REC IT **12** (18)
- REC MODE **13** (20)
- REPEAT +/- **14** (9, 14)
- STEREO/MONO **14** (35)
- TUNER/BAND **19** (34)
- TUNING MODE **15** (34)
- TUNING +/- **20** (34)
- VOLUME +/- **18**

BUTTON DESCRIPTIONS

- I/⏻ **1**
- ▲MD **4**
- (MD) **5**
- ◀/▶ (MD) **7**
- ◀◀/▶▶ (MD) **7**
- ▲CD **8**
- ◀◀/▶▶ (CD) **20**
- ◀◀/▶▶ (CD) **20**
- (CD) **22**

Remote Control



CLEAR **6** (11, 15, 26, 36)
 CLOCK/TIMER SELECT **19**
 (38)
 CLOCK/TIMER SET **19** (7, 38)
 DBFB **11** (37)
 DISPLAY **17** (8, 11, 15)
 ENTER/YES **15** (7, 10, 14, 23,
 25, 34, 38)
 FUNCTION **14** (9, 13, 18, 25, 41)
 Letter/Number buttons **5** (10, 14,
 25)
 MD ● REC **12** (18)
 MENU/NO **15** (11, 23)
 NAME EDIT **8** (12, 25, 36)

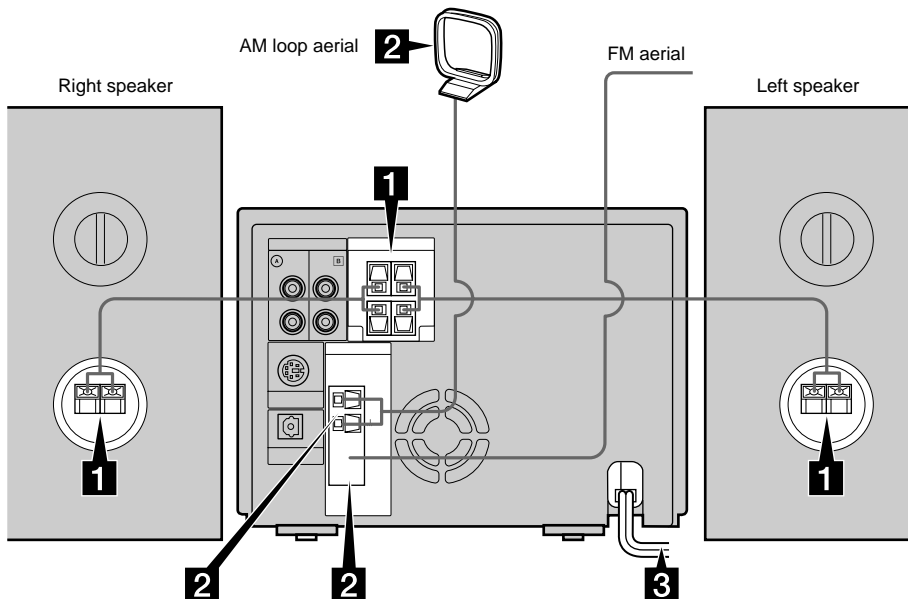
PLAY MODE **18** (9, 13, 24)
 PRESET EQ **11** (37)
 REPEAT **18** (9, 14)
 SCROLL **4** (12, 26)
 SELECT **8** (12, 25)
 SLEEP **20** (37)
 STEREO/MONO **2** (35)
 TIME **17** (8, 11, 15)
 TIME MACHINE REC **12** (19)
 TUNER/BAND **9** (34)
 TUNING MODE **3** (34)
 VOLUME +/- **10**

BUTTON DESCRIPTIONS

I/⏻ **1**
 ►►/CURSOR→ **7**
 ►►I/+ **7**
 ► (MD) **13**
 ► (CD) **13**
 || **13**
 ■ **13**
 ◀◀←CURSOR **16**
 ◀◀/− **16**

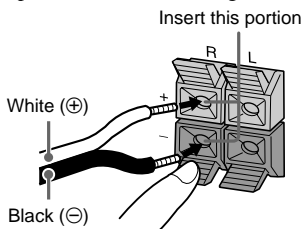
Hooking up the system

Perform the following procedure **1** to **3** to hook up your system using the supplied cords and accessories.



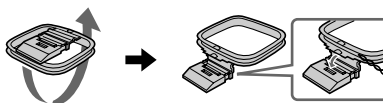
1 Connect the speakers.

Connect the speaker cords to the SPEAKER terminals on the unit and to the terminals on the speakers as the following.

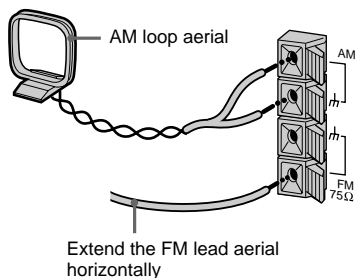


2 Connect the FM/AM aerials.

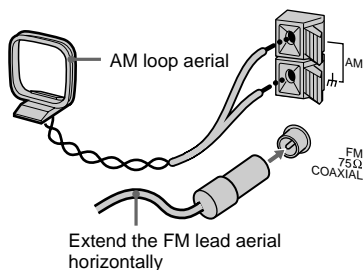
Set up the AM loop aerial, then connect it.



Jack type (A)



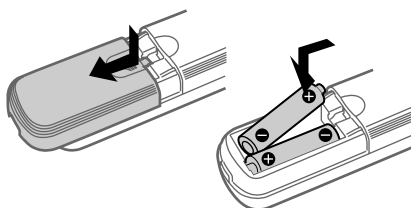
Jack type ②



3 Connect the mains lead to the mains.

If the plug of the mains lead does not fit your mains, attach the supplied adaptor on to the plug (for models with a plug adaptor). To turn on the system, press I/⏻.

Inserting two R6 (size AA) batteries into the remote



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 avoid possible damage from battery leakage.

Setting the time

- 1 Turn on the system.
- 2 Press **CLOCK/TIMER SET** on the remote.
Proceed to step 5 when you set the clock for the first time.
- 3 Press **◀** or **▶** on the remote to select **"CLOCK SET?"**.
- 4 Press **ENTER/YES** on the remote.
- 5 Press **+** or **-** on the remote to set the day.
- 6 Press **ENTER/YES** or **▶** on the remote.
The hour indication flashes.
- 7 Press **+** or **-** on the remote to set the hour.
- 8 Press **ENTER/YES** or **▶** on the remote.
The minute indication flashes.
- 9 Press **+** or **-** on the remote to set the minute.
- 10 Press **ENTER/YES** on the remote.
The clock starts working.

If you made a mistake
Press **◀** or **▶** on the remote repeatedly until the incorrect item flashes, then set it again.

To change the preset time
Start over from step 1.

Saving the power in standby mode

Press DISPLAY or TIME on the remote repeatedly when the system is off.

Each time you press the button, the system switches cyclically as follows:

Clock display ↔ Power Saving Mode

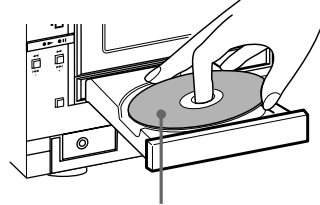
To cancel the Power Saving Mode
Press DISPLAY or TIME on the remote to show the clock display.

Tip

I/⏻ indicator lights up even in the Power Saving Mode.

Loading a CD

- 1 Press **▲CD**.
The disc tray opens.
- 2 Place a CD with the label side up on the disc tray.



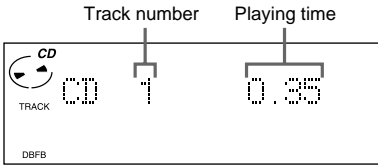
When you play a CD single (8 cm CD), place it on the inner circle of the tray.

- 3 Press **▲CD** again to close the disc tray.

Playing a CD

— Normal Play/Shuffle Play/Repeat Play

This system lets you play the CD in different play modes.



- 1 Press **FUNCTION** repeatedly to switch the function to **CD**.
- 2 Press **PLAY MODE** repeatedly in stop mode until the mode you want appears in the display.

Select	To play
Blank (no PLAY MODE indication) (Normal Play)	The CD in the original order.
SHUFFLE (Shuffle Play)	All tracks on the CD in random order.
PROGRAM (Programme Play)	The tracks on the CD in the order you want (see "Programming CD tracks" on the next page).

- 3 Press **CD ►||** (or **CD ►** on the remote).

Other Operations

To	Do this
Stop play	Press ■ for the CD.
Pause	Press CD ► (or on the remote). Press again to resume play.
Select a track	Press ◀◀ or ▶▶ for the CD.
Find a point in a track	Keep pressing ◀◀ or ▶▶ for the CD during play and release it at the desired point.
Remove a CD	Press ▲CD .
Play repeatedly (Repeat Play)	Press REPEAT during play until "REPEAT" or "REPEAT 1" appears. REPEAT: For all the tracks on the CD up to five times. REPEAT 1: For a single track only. To cancel playing repeatedly, press REPEAT until "REPEAT" or "REPEAT 1" disappears.

continued

Playing a CD (continued)

Tip

You can also select the desired track using the remote.

Press the number buttons. 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.

Notes

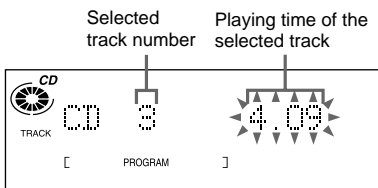
- The play mode cannot be changed while playing a disc.
- If you press  CD to open or close the disc tray while listening to the radio, the CD icon lights even if there is no CD in the tray.
To turn off the CD icon, press FUNCTION repeatedly to switch the function to CD.

Programming CD tracks

— Programme Play

You can make a programme of up to 25 tracks.

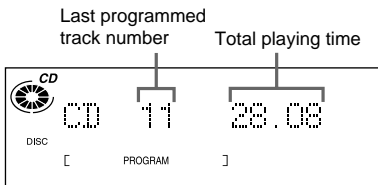
- 1 Press **FUNCTION** repeatedly to switch the function to CD.
- 2 Press **PLAY MODE** repeatedly until “PROGRAM” appears.
- 3 Press **◀◀** or **▶▶** for the CD until the desired track number appears.



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

The track is programmed.

“Step” appears, followed by the number of the track in the programmed sequence. The number of the last programmed track appears, followed by the total playing time of the programme.



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

6 Press CD ►|| (or CD ► on the remote).

To	Do this
Cancel Programme Play	Press ■, then press PLAY MODE repeatedly until "PROGRAM" and "SHUFFLE" disappear.
Check the total number of programmed tracks	Press TIME on the remote in stop mode. The total number of programmed steps appears, followed by the last programmed track number and the total playing time of the programme.
Check the programme order	Press ◀◀ or ▶▶ for the CD repeatedly during Programme Play.
Clear a track from the end	Press CLEAR on the remote in stop mode.
Add a track to the programme in stop mode	Perform steps 3 and 4.
Select the desired track using the number buttons on the remote	Use number buttons instead of performing steps 3 and 4. To use number buttons, see page 10.

Tips

- The programme you made remains after Programme Play finishes. To play the same programme again, press CD ►|| (or CD ► on the remote).
- "--.--" appears when the total CD programme time exceeds 100 minutes, or when you select a CD track whose number is 21 or over.

Using the CD display

Checking the remaining time

Press TIME on the remote repeatedly during play.

The display changes cyclically as follows:
Elapsed playing time on the current track →
Remaining time on the current track* →
Remaining time on the current CD**

* "--.--" appears when you check the remaining time of a CD track whose number is 21 or over.

** "--.--" appears during Shuffle Play of a CD which has 21 or more tracks, or during Programme Play when a CD track whose number is 21 or over is selected.

Checking a track title or a disc title

Press DISPLAY on the remote repeatedly during play or in stop mode.

The display changes cyclically as follows:
Preset Equalizer name → Clock → Volume → Track title or disc title*

* The track title appears during play (only for a CD with CD text), and the disc title appears while stopped. If a CD that has no title is loaded, nothing appears.

To scroll a long name

Press SCROLL on the remote.

The title appears scrolling in the display.

Tip

If you press TIME on the remote in stop mode with CD text containing the artist name, the artist name appears scrolling in the display.

Labelling a CD

— Disc Memo

You can label up to 100 CDs with titles of up to 20 symbols and characters. Whenever you load a labelled CD, the title appears in the display.

Note

When labelling CDs for the first time, be sure to erase all disc titles stored in the system memory (see “Erasing a disc title” on the next page).

1 Press FUNCTION repeatedly to switch the function to CD.

If “SHUFFLE” or “PROGRAM” appears in the display, press PLAY MODE repeatedly until both disappear.

2 Press NAME EDIT on the remote.

The cursor starts flashing.

3 Press SELECT on the remote to select the desired type of character.

Each time you press the button, the display changes cyclically as follows:

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

* Press number 1 repeatedly to display the following symbols.

‘ - / , . () : ! ?

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

& + < > _ = ” ; # \$ % @ * `

4 Enter a character using the remote.

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 ▶▶ repeatedly.

2 Press CURSOR→.

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 SELECT repeatedly until “Selected AB” or “Selected ab” appears in the display.

2 Press 10/0.

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 labelling

Press MENU/NO on the remote.

Checking the disc titles

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

2 Press ◀◀ or ▶▶ for the CD repeatedly until “Name Check?” appears, then press ENTER/YES on the remote.

3 Press ◀◀ or ▶▶ for the CD repeatedly to select the disc titles stored in the system memory between 001 to 100.

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 **▶▶** for the CD repeatedly until “Name Erase?” appears, then press **ENTER/YES** on the remote.
- 3 Press **◀◀** or **▶▶** for the CD repeatedly to select the disc titles stored in the system memory between 001 to 100.

The disc title appears scrolling in the display.

“No Name” appears if no disc title is labelled.

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

To erase all disc titles, press **◀◀** or **▶▶** for the CD 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 to 3.

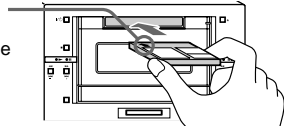
Note

To ensure that disc titles are not erased from memory, have the system connected to mains power at least once a week.

Loading an MD

Insert an MD.

With the arrow pointing toward the deck and the label side up



Playing an MD

— Normal Play/Shuffle Play/Repeat Play

This system lets you play the MD in different play modes.

- 1 Press **FUNCTION** repeatedly to switch the function to MD.
- 2 Press **PLAY MODE** repeatedly in stop mode until the mode you want appears in the display.

Select	To play
Blank (no PLAY MODE indication) (Normal Play)	The MD in the original order.
SHUFFLE (Shuffle Play)	All tracks on the MD in random order.
PROGRAM (Programme Play)	The tracks on the MD in the order you want (see “Programming MD tracks” on the next page).

- 3 Press **MD ▶▶** (or **MD ▶** on the remote).

continued

Playing an MD (continued)

Other Operations

To	Do this
Stop play	Press ■ for the MD.
Pause	Press MD ► (or on the remote). Press again to resume play.
Select a track	Press ◀◀ or ▶▶ for the MD.
Find a point in a track	Keep pressing ◀◀ or ▶▶ for the MD during play and release it at the desired point.
Remove the MD	Press ▲MD.
Play repeatedly (Repeat Play)	Press REPEAT during play until "REPEAT" or "REPEAT 1" appears. REPEAT: For all the tracks on the MD up to five times. REPEAT 1: For a single track only. To cancel playing repeatedly, press REPEAT until "REPEAT" or "REPEAT 1" disappears.

Tip

You can also select the desired track using the remote.

Press the number buttons. 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.

Note

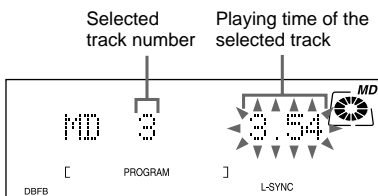
The play mode cannot be changed while playing a disc.

Programming MD tracks

— Programme Play

You can make a programme of up to 25 tracks.

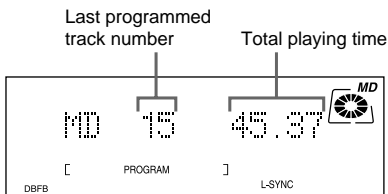
- 1** Press FUNCTION repeatedly to switch the function to MD.
- 2** Press PLAY MODE repeatedly until "PROGRAM" appears in stop mode.
- 3** Press ◀◀ or ▶▶ for the MD until the desired track appears.



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

The track is programmed.

"Step" appears, followed by the number of the track in the programmed sequence. The number of the last programmed track appears, followed by the total playing time of the programme.



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

6 Press MD ►|| (or MD ► on the remote).

To	Do this
Cancel Programme Play	Press ■ for the MD, then press PLAY MODE repeatedly until "PROGRAM" and "SHUFFLE" disappear.
Check the total number of programmed tracks	Press TIME on the remote in stop mode. The total number of programmed steps appears, followed by the last programmed track number and the total playing time of the programme.
Check the programme order	Press ◀◀ or ▶▶ for the MD repeatedly during Programme Play.
Clear a track from the end	Press CLEAR on the remote in stop mode.
Add a track to the programme in stop mode	Perform steps 3 and 4.
Select the desired track using the number buttons on the remote	Use number buttons instead of performing steps 3 and 4. To use number buttons, see page 14.

Tips

- The programme you made remains after Programme Play finishes. To play the same programme again, press MD ►|| (or MD ► on the remote).
- "----" appears when the total MD programme time exceeds 1,000 minutes.

Using the MD display

Checking the remaining time

Press TIME on the remote repeatedly during play.

The display changes cyclically as follows:
Elapsed playing time and the track number on the current track → Remaining time and the track number on the current track → Remaining time on the MD

Checking the total playing time

Press TIME on the remote repeatedly in stop mode.

The display changes cyclically as follows:
Total number of tracks and total playing time → Remaining recordable time (Only for a recordable MD)

Checking a track title or a disc title

Press DISPLAY on the remote repeatedly during play or in stop mode.

The display changes cyclically as follows:
Preset Equalizer name → Clock → Volume → Track title or disc title*

* The track title appears during play, and the disc title appears while stopped. If an MD that has no title is loaded, nothing appears.

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 (MiniDisc) 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 analogue components connected to the TAPE IN jacks (e.g., the optional tape deck TC-TX21)
 - The MD deck performs analogue recording.
 - A track number is marked at the beginning of a recording, but when you turn on the Level Synchro Recording function (see "Marking track numbers" on 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 "System limitations of MDs" on page 43.

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*2 area independent of the sound information. You can edit recorded tracks quickly by modifying the TOC information.

*2 TOC: Table Of Contents

After recording

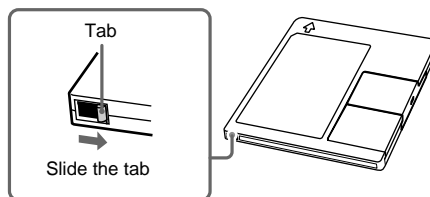
Press ▲MD to remove the MD or press I/⏻ (power) to turn off the system.

"TOC" lights up or starts flashing. The TOC is updated and recording is completed.

Before pulling out the mains lead 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 mains lead before updating the TOC (while "TOC" is lit) or while updating the TOC (while "TOC" 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

In addition to normal-speed recording, you can also record at high speed (approximately four times the normal speed).

1 Load a recordable MD.

2 Load a CD you want to record.

3 Press CD SYNC NORMAL.

To record at high speed, press CD SYNC HIGH.

“MD New” and the remaining recordable time on the MD appear alternately.

4 Press MD ►|| (or || on the remote).

Recording starts. You cannot monitor the recorded signal during high-speed recording.

If “Retry” flashes in the display after you press MD ►|| (or || on the remote) in step 4

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

- If the retry was successful, the system continues with High-Speed CD-MD Synchro Recording.
- If the condition of the inserted CD or the system is poor, and retry fails, High-Speed CD-MD Synchro Recording is disabled. In this case, “NORM” 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.

To record on an MD for a long time (MDLP recording)

See “Recording tips” on page 20.

To stop recording

Press ■ for the MD.

Tips

- Depending on the disc, CD TEXT information may also be recorded. If “TEXT” flashes during recording, see “Labelling an MD” on page 25.
- You can record only your favourite CD tracks with Programme Play. After step 2, follow the same procedures as step 1 to 5 in “Programming CD tracks” on page 10. Then, go to step 3.

Notes

- You cannot pause recording during CD-MD Synchro Recording and High-Speed CD-MD Synchro Recording.
- If the play mode is set to Repeat Play or Shuffle Play, it automatically switches to normal play at step 3.
- The following items are either inoperative or cannot be used during High-Speed CD-MD Synchro Recording:
 - The Auto Cut Function
 - The recording level specified in the Setup menu
- If the MD becomes full during recording, the CD player and the MD deck stop automatically.

Recording the current track

— *Rec It*

You can record a track quickly while listening to a CD.

- 1 Press **CD ► II** (or **CD ►** on the remote).
- 2 Press **REC/REC IT** while listening to a track you want to record.

Play returns to the start of the track and recording starts. The MD deck stops automatically at the end of the track.

To stop recording

Press **■** for the MD.

Note

The following items are either inoperative or cannot be used during Rec It:

- The Auto Cut function
- The recording level specified in the Setup menu

Recording on an MD manually

— *Manual Recording*

You can record just the portions you like from a CD or a radio programme.

- 1 Load a recordable MD.
- 2 Press **FUNCTION** repeatedly to select the desired source to record.
- 3 Press **REC/REC IT** (or **MD ● REC** on the remote).
The MD deck stands by for recording.
- 4 Press **MD ► II** (or **II** on the remote) and then start playing the desired source to record.

To stop recording

Press **■** for the MD.

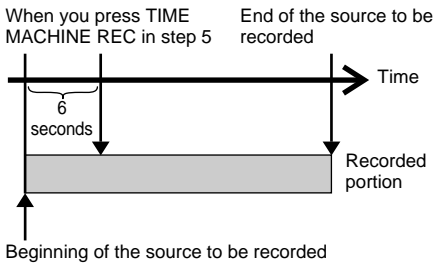
Tip

You can check the remaining recordable time on the MD during recording by pressing **TIME** on the remote.

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 REC/REC IT (or MD ● REC on the remote).

The MD deck stands by for recording.

- 4 Start playing the desired source to record.

- 5 Press TIME MACHINE REC on the remote at the desired point to start recording.

To stop Time Machine Recording Press ■ for the 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 TIME MACHINE REC on the remote, Time Machine Recording starts with less than 6 seconds of audio data.

Recording tips

Recording for long times

This system has two long time recording modes: LP2 and LP4 (MDLP recording). When recording in LP2 Stereo mode, you can record 2 times the normal recordable time, and in LP4 Stereo 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 Press REC MODE repeatedly to select the recording mode.

The display changes cyclically as follows:
STEREO REC (Stereo) → LP2 REC (LP2 Stereo) → LP4 REC (LP4 Stereo) → MONO REC (Monaural)

2 Start the recording.

The source is recorded in the selected recording mode.

During High-Speed CD-MD Synchro Recording

The recording speed changes according to the recording mode.

Recording mode	Recording speed
Stereo	Quadruple speed
LP2 Stereo	Double speed
LP4 Stereo	Double speed
Monaural	Quadruple speed

Notes

- The selected recording mode is kept even after recording has finished, so be sure to check the recording mode before recording.
- Tracks recorded in MDLP (LP2 or LP4) Stereo mode cannot be played back on a system that does not support 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.

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 "LP Stamp Off" (or "LP Stamp On") appears, then press ENTER/YES on the remote.

4 Press ◀◀ or ▶▶ for the MD 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 a 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 or components connected to the DIGITAL OPTICAL IN jack. Use the Level Synchro Recording function to automatically mark track numbers during recording from this system's tuner or components connected to the TAPE IN jacks.

- **At any point during recording**

You can mark track numbers during recording of any source.

- **After recording**

Use the Divide Function (see "Dividing recorded tracks" on 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 two 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 programmes) or during timer-recording.
- If you pause recording during CD recording, a track number is recorded at that point. Also, note that the tracks might be recorded as the same single track with a single track number when the same single track of the same CD is recorded repeatedly.

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 "T.Mark Off" (or "T.Mark LSync") appears, then press ENTER/YES on the remote.

4 Press ◀◀ or ▶▶ for the MD to select the setting, then press ENTER/YES on the remote.

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

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.

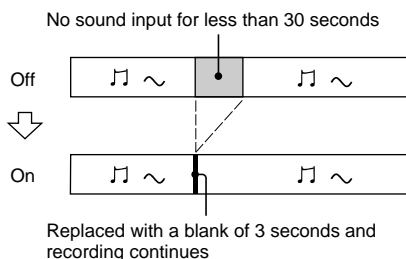
Press REC/REC IT (or MD ● REC on the remote) during recording at the point you want to add a track mark.

The tracks following the added one are renumbered.

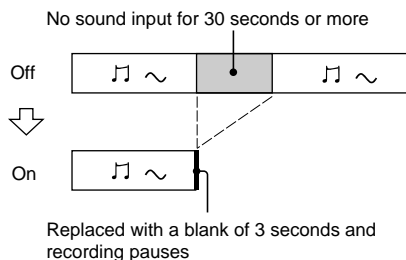
Making a space between tracks 3 seconds long

— Smart Space

The Smart Space function lets you make the blank spaces between tracks 3 seconds long automatically while making a digital recording from a CD. For other types of 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 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 **"S.Space Off"** (or **"S.Space On"**) appears, then press **ENTER/YES** on the remote.
- 4 Press **◀◀** or **▶▶** for the MD 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 MD **▶||** (or MD **▶** 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 analogue 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 on the remote.
- 3 Press **MENU/NO** on the remote repeatedly until **"Setup Menu"** appears.
- 4 Press **◀◀** or **▶▶** for the MD until **"LevelAdjust?"** appears, then press **ENTER/YES** on the remote.
- 5 Press **◀◀** or **▶▶** for the MD to adjust the recording level.
While monitoring the sound, adjust to the optimum level while making 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 **■** for the MD.
- 9 When a CD or other sound source is playing, stop playback.
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.
- You cannot adjust the recording level during CD-MD Synchro Recording.

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 protected when you press MENU/NO on the remote, “C11” and “Protected” appear alternately and the MD cannot be edited.

Slide the tab to close the slot.

2 Press PLAY MODE repeatedly until both “PROGRAM” and “SHUFFLE” disappear.

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

To cancel the last edit

Use Undo Function to cancel the last edit and restore the contents of the MD to the condition before the edit (see page 31).

To quit while editing

Press MENU/NO on the remote.

After editing

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

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

Before pulling out the mains lead 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 mains lead before updating the TOC (while “TOC” is lit) or while updating the TOC (while “TOC” is flashing) to ensure a complete editing.

Labelling 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 “Erasing all tracks” on page 27) MD when “TEXT” is lit, the CD TEXT information is automatically recorded.

• Manually during recording

When “TEXT” flashes, press NAME EDIT on the remote, and then press ENTER/YES on the remote to record the title of the current track.

Note

Depending on the disc, the CD TEXT information may not be recorded automatically.

After recording

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

1 Press FUNCTION repeatedly to switch the function to MD.

To label a track, press ◀◀ or ▶▶ for the MD until the desired track number appears.

2 Press NAME EDIT on the remote.

The cursor starts flashing.

3 Press SELECT on the remote to select the desired type of character.

Each time you press the button, the display changes cyclically as follows:

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

* Press number 1 repeatedly to display the following symbols.

‘ - / , . () : ! ?

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

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

4 Enter a character using the remote.

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 ▶▶ repeatedly.

2 Press CURSOR→.

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 SELECT repeatedly until “Selected AB” or “Selected ab” appears in the display.

2 Press 10/0.

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

continued

Labelling an MD (continued)

- 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.

Note

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

Copying a disc or track title

You can copy a labelled 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 I◀◀ or ▶▶I for the MD until “Name?” appears, then press ENTER/YES on the remote.
- 3 Press I◀◀ or ▶▶I for the MD until “Nm Copy?” appears, then press ENTER/YES on the remote.
- 4 Press I◀◀ or ▶▶I for the MD 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 I◀◀ or ▶▶I for the MD 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.

If the track has been recorded in MDLP mode with the “LP Stamp On” setting (page 20), “Overwrite??” also appears even if a track name is not assigned. In this case if you copy the track name, the “LP:” indication disappears from the track name.

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 I◀◀ or ▶▶I for the MD until “Name?” appears, then press ENTER/YES on the remote.
- 3 Press I◀◀ or ▶▶I for the MD until “Nm Erase?” appears, then press ENTER/YES on the remote.
- 4 Press I◀◀ or ▶▶I for the MD until the desired title to erase appears, then press ENTER/YES on the remote.

To erase all the titles, press I◀◀ or ▶▶I for the MD 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:

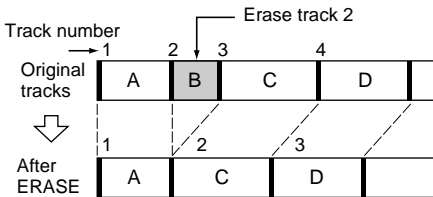
- Erasing a single track. (Track Erase)
- Erasing all tracks. (All Erase)
- Erasing a portion of a track. (A-B Erase)

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.

E.g.: Erasing track 2.



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

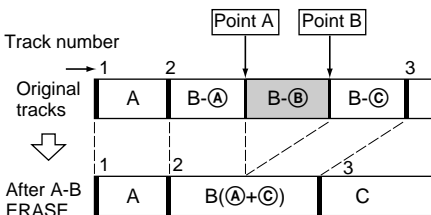
Erasing a portion of a track

— 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.

E.g.: Erasing a portion of track 2.



- 1 Press **FUNCTION** repeatedly to switch the function to MD.
- 2 While playing an MD, press MD **▶||** (or **||** on the remote) at the starting point of the portion to be erased (point A).
The MD pauses.
- 3 Press **MENU/NO** on the remote to display "Edit Menu".
- 4 Press **◀◀** or **▶▶** for the MD until "A-B Erase?" appears, then press **ENTER/YES** on the remote.
- 5 Press **ENTER/YES** on the remote again.
"—Rehearsal—" and "Point A ok?" appear alternately while the deck repeats a portion of the few seconds before point A.

- 6 While monitoring the sound, press **◀◀** or **▶▶** for the MD 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 and hold **◀◀** or **▶▶** (or press **◀◀** or **▶▶** on the remote) so that second or minute flashes, then press **◀◀** or **▶▶** for the MD.

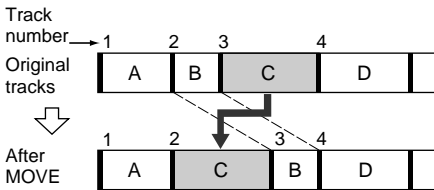
- 7 Repeat step 6 until point A is played correctly.
- 8 Press **ENTER/YES** on the remote if point A is correct.
"Point B set" appears and playback for setting the ending point of the portion to be erased (point B) starts.
- 9 Continue playback until the deck reaches point B, then press **ENTER/YES** 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.
- 10 Press **◀◀** or **▶▶** for the MD to find point B.
The procedure is the same as step 6.
- 11 Press **ENTER/YES** on the remote if point B is correct.
"Complete!" appears.

Moving recorded tracks

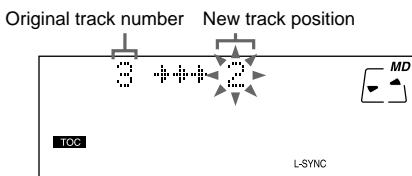
— Move Function

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

E.g.: Moving track 3 to position 2.



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



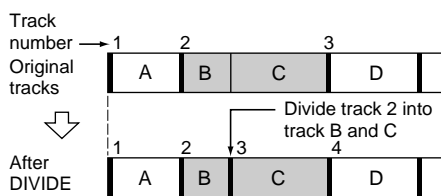
- 6 Press **ENTER/YES** on the remote. “Complete!” appears.

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.

E.g.: Dividing track 2 into two tracks.



- 1 Press **FUNCTION** repeatedly to switch the function to MD.
- 2 Press **MENU/NO** on the remote to display “Edit Menu”.
- 3 Press **◀◀** or **▶▶** for the MD until “Divide?” appears, then press **ENTER/YES** on the remote.
- 4 Press **◀◀** or **▶▶** for the MD until the desired track number to divide appears, then press **ENTER/YES** on the remote. “—Rehearsal—” appears and the portion to be divided is played repeatedly.
- 5 While monitoring the sound, press **◀◀** or **▶▶** for the MD 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 and hold **◀◀** or **▶▶** (or press **◀◀** or **▶▶** on the remote) so that second or minute flashes, then press **◀◀** or **▶▶** for the MD.
- 6 Press **ENTER/YES** on the remote. “Complete!” appears.

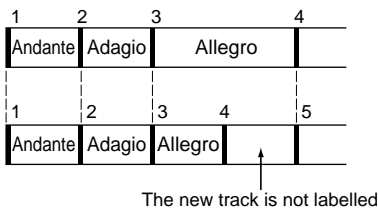
continued

Dividing recorded tracks (continued)

Note

If you divide a labelled track (see “Labelling an MD” on page 25) into two tracks, only the first track retains the track title.

E.g.:



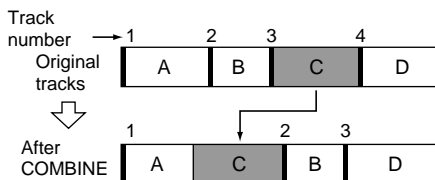
Combining recorded tracks

— Combine Function

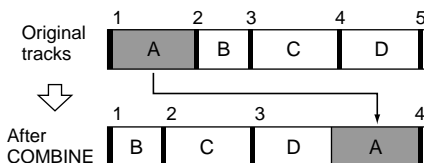
You can use this function to combine 2 tracks into a single track. The total number of tracks decreases by one and all tracks following the combined ones are renumbered.

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

E.g.: Combining track 3 to track 1.



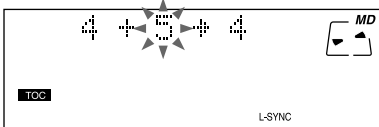
E.g.: Combining track 1 to track 4.



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

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

5 Press **◀◀** or **▶▶** for the MD 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.
- Start recording.
- Update the TOC by turning off the system or ejecting the MD.
- Disconnect the mains lead.

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

2 Press **◀◀** or **▶▶** for the MD until “Undo?” appears.

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

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

A message appears.

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

Changing the recorded level after recording

— S.F Edit Function

You can change the volume of 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 **FUNCTION** repeatedly to switch the function to MD.
- 2 Press **MENU/NO** on the remote to display "Edit Menu".
- 3 Press **◀◀** or **▶▶** for the MD until "S.F Edit?" appears, then press **ENTER/YES** on the remote.
- 4 Press **◀◀** or **▶▶** for the MD until "Tr Level?" appears, then press **ENTER/YES** on the remote.
- 5 Press **◀◀** or **▶▶** for the MD until the track number you want to change the recording level appears, then press **ENTER/YES** on the remote.
"Level 0dB" appears in the display.

- 6 Press **◀◀** or **▶▶** for the MD to change the recorded level.

The recording level can be changed from -12 dB to +12 dB, in 2 dB steps. While monitoring the sound, change to the optimum level while making sure that "OVER" does not appear in the display at the loudest portion.

- 7 Press **ENTER/YES** on the remote.
"S.F Edit OK?" appears in the display.

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

The deck starts recording over the existing track. "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 in the display for a few seconds.

Fade-in and Fade-out Recording

- 1 Press **FUNCTION** repeatedly to switch the function to MD.
- 2 Press **MENU/NO** on the remote to display "Edit Menu".
- 3 Press **◀◀** or **▶▶** for the MD until "S.F Edit?" appears, then press **ENTER/YES** on the remote.
- 4 Press **◀◀** or **▶▶** for the MD until "Fade In?" or "Fade Out?" appears, then press **ENTER/YES** on the remote.
- 5 Press **◀◀** or **▶▶** for the MD until the track number you want to change the recording level appears, then press **ENTER/YES** on the remote.
"Time 5.0s" appears in the display.

6 Press **◀◀** or **▶▶** for the MD to change the Fade-in or Fade-out recording time.

The system plays the portion that will be recorded over using 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 steps. You cannot set the time longer than the track.

7 Press **ENTER/YES** on the remote. "S.F Edit OK?" appears in the display.

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

The deck starts recording over the existing track. "S.F Edit: ** %" appears while the track is being recorded. When the recording finishes, "Complete!" appears in the display for a few seconds.

To cancel the operation

Press **MENU/NO** on the remote in steps 4 to 7. After recording starts in step 8, you cannot interrupt the operation.

Notes

- You cannot use S.F Edit for tracks recorded in MDLP mode.
- You cannot undo the S.F Edit Function even if you use the Undo Function.
- Do not disconnect the mains lead 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 recording 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 returned to the original level.
- The recording level cannot be changed while the timer is activated.

Presetting radio stations

You can preset 20 stations for FM and 10 stations for AM.

- 1 Press TUNER/BAND repeatedly to select “FM” or “AM”.**

Pressing TUNER/BAND turns on the system.

- 2 Press TUNING MODE repeatedly until “AUTO” appears.**

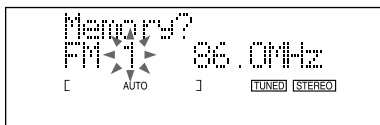
- 3 Press TUNING + or – (or + or – on the remote).**

The frequency indication changes and the scanning stops when the system tunes in a station. “TUNED” and “STEREO” (for a stereo programme) appear.

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

- 5 Press TUNING + or – (or + or – on the remote) until “Memory?” appears, then press ENTER/YES on the remote.**

The preset number starts flashing. Perform steps 6 and 7 while the preset number is flashing.



- 6 Press TUNING + or – (or + or – on the remote) repeatedly to select the desired preset number.**

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

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

- 8 Repeat steps 1 to 7 to store other stations.**

To stop scanning
Press TUNING MODE.

To tune in a station with a weak signal

Press TUNING MODE repeatedly until “MANUAL” appears in step 2, then press TUNING + or – (or + or – on the remote) repeatedly to tune in the station manually.

To change the preset number
Start over from step 1.

To change the AM tuning interval (except for the European model)
The AM tuning interval is factory-set to 9 kHz (10 kHz in some areas). To change the AM tuning interval, tune in any AM station first, then turn off the system. While holding down FUNCTION, turn the system back on. When you change the interval, all the AM preset stations are erased. To reset the interval, repeat the same procedure.

Tip

The preset stations are retained for about a day even if you disconnect the mains lead or if a power failure occurs.

Listening to the radio

— Preset Tuning

Preset radio stations in the tuner's memory first (see "Presetting radio stations" on page 34).

- 1 Press **TUNER/BAND** repeatedly to select **"FM"** or **"AM"**.
- 2 Press **TUNING MODE** repeatedly until **"PRESET"** appears.
- 3 Press **TUNING + or – (or + or – on the remote)** to select the desired preset station (or station name* or RDS station name**).

* The station name appears only if you have labelled the station (see "Labelling the preset stations" on the next page).

** European model only.

To	Do this
Turn off the radio	Press I/⏏ .
Change the display	Press DISPLAY repeatedly. The display changes cyclically as follows: Preset Equalizer name → Clock display → Volume → Name*

* Displayed only when disc title, track title, radio station name or other name information is labelled.
No display when this information is not labelled.

Tip

You can also select the preset number using the remote.

Press the number buttons in step 3.

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 30, press **>10**, then 3 and 10/0.

Listening to non-preset radio stations

- Press **TUNING MODE** repeatedly until **"MANUAL"** appears in step 2, then press **TUNING + or – (or + or – on the remote)** to tune in the desired station (**Manual Tuning**).
- Press **TUNING MODE** repeatedly until **"AUTO"** appears in step 2, then press **TUNING + or – (or + or – on the remote)**. 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

- To improve broadcast reception, adjust the supplied aerials, or connect a commercially available external aerial.
- When an FM stereo programme has static noise, press **STEREO/MONO** repeatedly until **"MONO"** appears. There will be no stereo effect, but the reception will improve.

Labelling the preset stations

— *Station Name*

You can label each preset station with up to 10 characters (Station Name).

- 1** Tune the desired station you want to label (see “Listening to the radio” on page 35).
- 2** Follow the same procedures as from step 2 to 6 of “Labelling a CD” on page 12.

To erase the name

- 1** Tune the station.
- 2** Press NAME EDIT 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 programme signal. RDS is available only on FM stations.*

Note

RDS may not work properly if the station you are 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 provide the same types 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 cyclically as follows:

Station name* → Effect name → Clock display

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

Adjusting the sound

Reinforcing the bass sound

— **DBFB**

You can listen to music with stronger bass tones.

Press DBFB* on the remote.

“DBFB” appears in the display and the bass is reinforced.

Press again to cancel DBFB.

* DBFB: Dynamic Bass Feedback

Tip

DBFB is factory set to on.

Selecting the Preset Equalizer menu

The Preset Equalizer enables you to select the sound characteristic among 5 sound effects according to the type of music you are listening to.

Press PRESET EQ on the remote repeatedly.

Each time you press the button, the display changes cyclically as follows:

ROCK → POP → JAZZ →

CLASSIC → DANCE → FLAT

To cancel the Preset Equalizer

Press PRESET EQ on the remote repeatedly until “FLAT” appears.

Tips

- The Preset Equalizer menu is factory set to “ROCK.”
- The Preset Equalizer effect is not recorded on an MD.

Falling asleep to music

— **Sleep Timer**

You can set the system to turn off after a certain time, so that you can fall asleep to music.

Press SLEEP on the remote.

Each time you press the button, the minute display (the turn-off time) changes cyclically as follows:

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

* The system turns off after about 4 hours.

The system also turns off automatically when the current CD or MD finishes playing.

To	Press
Check the remaining time	SLEEP on the remote once.
Change the time to turn off	SLEEP on the remote to select the time you want.
Cancel the Sleep Timer function	SLEEP on the remote repeatedly until “SLEEP OFF” appears.

Note

Do not set to “AUTO” during CD-MD Synchro Recording.

Waking up to music

— Daily Timer

You can wake up to music at a preset time. Make sure you have set the clock (see “Setting the time” on page 7).

1 Prepare the sound source you want to play.

- CD: Place a CD. To start from a specific track, make a programme (see “Programming CD tracks” on page 10).
- MD: Insert an MD. To start from a specific track, make a programme (see “Programming MD tracks” on page 14).
- Radio: Tune in a station (see “Listening to the radio” on page 35).

2 Press VOLUME + or – to adjust the volume.

3 Press CLOCK/TIMER SET on the remote.

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

The hour indication flashes.

5 Set the time to start playing.

Press ◀◀ or ▶▶ on the remote to set the hour, then press ENTER/YES on the remote.

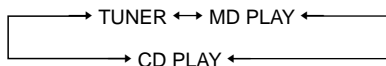
The minute indication flashes.

Press ◀◀ or ▶▶ on the remote to set the minute, then press ENTER/YES on the remote.

6 Set the time to stop playing following the procedure in step 5.

7 Press ◀◀ or ▶▶ on the remote to select the desired sound source.

The indication changes as follows:



8 Press ENTER/YES on the remote.

The start time, the stop time, and the sound source and volume appear in turn, before the original display returns.

9 Press I/⏻ to turn off the system.

To	Do this
Activate/Check the setting	Press CLOCK/TIMER SELECT on the remote, then press ◀◀ or ▶▶ on the remote until “DAILY SELECT?” appears. Then, press ENTER/YES on the remote.
Change the setting	Start over from step 1.
Cancel the timer	Press CLOCK/TIMER SELECT on the remote, then press ◀◀ or ▶▶ on the remote until “TIMER OFF?” appears. Then, press ENTER/YES on the remote.

Notes

- If the system is on about 30 seconds before the preset time, the Daily Timer will not be activated.
- Do not operate the system from the time the system turns on until the play starts (about 30 seconds before the preset time).
- When you use the Daily Timer at the same time as the Sleep Timer, the Sleep Timer setting has priority.
- You cannot use the components connected to the DIGITAL OPTICAL IN jack as the sound source for Daily Timer.

Timer recording radio programmes

To timer record, you must first preset the radio station (see “Presetting radio stations” on page 34) and set the clock (see “Setting the time” on page 7).

- 1 Tune in the preset radio station (see “Listening to the radio” on page 35).**
- 2 Press CLOCK/TIMER SET on the remote.**
- 3 Press ◀ or ▶ on the remote until “REC SET?” appears, then press ENTER/YES on the remote.**
- 4 Press ◀ or ▶ on the remote to select one of “REC 1” to “REC 3”, then press ENTER/YES on the remote.**
- 5 Press ◀ or ▶ on the remote until “ONCE?”, “DAILY?” or “WEEKLY?” appears.**

If you select “ONCE?”, the recording timer activates only once. If you select “DAILY?”, the timer activates at the same time every day. If you select “WEEKLY?”, the timer activates at the same time on the set day of every week.
- 6 Press ENTER/YES on the remote.**

If you select “ONCE?” or “WEEKLY?”, the day indication starts flashing. If you select “DAILY?”, the hour indication starts flashing.

- 7 Press ◀ or ▶ on the remote to select the desired day.**

If you select “DAILY?” in step 5, proceed to step 9.

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

The hour indication flashes.

- 9 Set the time to start recording.**

Press ◀ or ▶ on the remote to set the hour, then press ENTER/YES on the remote.

The minute indication flashes.

Press ◀ or ▶ on the remote to set the minute, then press ENTER/YES on the remote.

The hour indication flashes again.

- 10 Set the time to stop recording following the procedure in step 9.**

- 11 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.

- 12 Insert a recordable MD.**

If you use a partially recorded MD, recording starts after the recorded tracks.

- 13 Press I/⏻ to turn off the system.**

continued

Timer recording radio programmes (continued)

To	Do this
Activate/Cancel the timer	<ol style="list-style-type: none"> 1 Press CLOCK/TIMER SELECT, then press ◀◀ or ▶▶ on the remote until “REC SELECT?” appears and press ENTER/YES on the remote. 2 Press ◀◀ or ▶▶ on the remote repeatedly to select the timer number (REC 1 to 3), then press ◀◀ or ▶▶ on the remote to select the timer number (set) or “-” (cancel) and press ENTER/YES on the remote. If you have not set the recording timer, “-” appears instead of the timer number or “-”.
Check the timer	Select the timer number (REC 1 to 3) in step 2 above, then press ENTER/YES on the remote.
Change the setting	Start over from step 1.

Tip

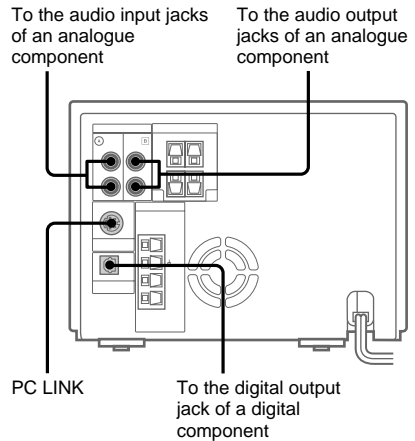
When you record from the radio, the station name (see “Labelling the preset stations” on page 36, or frequency when the station is not labelled), the start time and the stop time are automatically recorded on the MD.

Notes

- The Smart Space and Level Synchro Recording functions do not operate.
- Do not operate the system from the time the system turns on until the recording starts (about 30 seconds before the preset time).
- 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 digital or an analogue component to this system. You can also connect a personal computer to the PC LINK connector and operate the system from the personal computer.



To	Do this
Make a digital recording from a digital component on an MD	Connect a digital cable.
Listen to the connected digital component	Press FUNCTION repeatedly to switch the function to OPTICAL IN.
Make an analogue recording from an analogue component on an MD	Connect the audio cords.
Listen to the connected analogue component	Press FUNCTION repeatedly to switch the function to TAPE.
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 mains if it is not to be used for an extended period of time.
To disconnect the mains lead, pull it out by the plug. Never pull the mains lead 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 (mains lead) must be changed only at the qualified service shop.
- When you connect the mains lead to the mains, even if the power is off, the system begins charging for remote and timer functions. Therefore the surface of this unit become warm, this is normal.
- 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.

On placement

- If you raise the volume during use, the system fan turns on automatically to prevent heat build-up in the system. To ensure efficient heat radiation, leave sufficient space to the rear, and do not place anything on the top of the system.
- Place the system in a location with adequate ventilation to prevent heat build up.
- 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.

On heat buildup

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

If you continuously use this unit 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.

Precautions (continued)

On installing

When you move the system, remove the CD or MD.

On operation

- If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the CD player or the MD deck. Should this occur, the system will not operate properly. Remove the CD or MD and leave the system turned on for about an hour until the moisture evaporates.
- When you move the system, take out any discs.

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

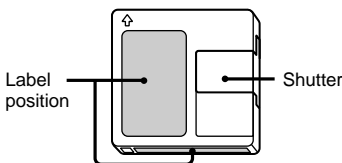
On the speaker system

This speaker system is magnetically semishielded. However, in some cases, 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 the above reading errors occur, an extra soundless track may be created. You can erase these extra tracks using Erase Function (see "Erasing recordings" on page 27).

Notes on CDs

- Before playing, clean the CD with a cleaning cloth. Wipe the CD from the centre out.
- Do not use a CD with tape, seals, or paste on it as this may damage the player.
- Do not use solvents.
- Do not expose the CD to direct sunlight or heat sources.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.

Cleaning the cabinet

Use a soft cloth slightly moistened with mild detergent solution.

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:

In Monaural or LP2 Stereo mode: about 24 seconds

In LP4 Stereo mode: about 48 seconds

“Impossible” appears when you use A-B Erase Function or Combine Function

This happens when you have edited the same track many times. This is due to a technical limitation of the MD system and is not a mechanical error.

Some tracks cannot be combined with others

Track combination may become impossible when repeated editing has been done to the track(s).

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:

In Monaural or LP2 Stereo mode: about 4 seconds

In LP4 Stereo mode: about 8 seconds

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 analogue 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).

continued

System limitations of MDs (continued)

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 programmes, 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.

For example:

1 You can make a copy of a commercially available digital sound programme (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 analogue sound programme (for example, an analogue record or a music cassette tape) or from a digital satellite broadcast programme, 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.

Note

This copy management system doesn't apply when you make a recording through analogue-to-analogue connections.

Troubleshooting

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

First, check that the mains lead 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.

- Press VOLUME +.
 - Make sure the headphones are not connected.
 - Check the speaker connections (see page 6).
 - High-Speed CD-MD Synchro Recording is underway.
-

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 mains.
 - Install a noise filter (commercially available) to the mains line.
-

"- -: -" appears in the display.

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

The timer cannot be set.

- Set the clock again (see page 7).

The timer does not function.


- Press CLOCK/TIMER SELECT on the remote to set the timer and light up “DAILY” or “REC 1 (to 3)” in the display (see pages 38 and 40).
- Check the set contents and set the correct time (see pages 38 and 40).
- Cancel the Sleep Timer function (see page 37).
- You cannot activate the 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 (R6/size AA).
- Locate the system away from the fluorescent light.

CD Player


The CD tray does not close.

- Place the CD correctly in the centre of the tray.
- Always close the tray by pressing CD. Trying to press 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 42).
- Replace the CD.
- Place the CD correctly in the centre of the tray.
- Place the CD in the tray with the label side up.
- 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 42).
- 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 repeatedly until “PROGRAM” or “SHUFFLE” disappears to return to normal play.

“—OVER—” appears.

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

MD Deck


An MD cannot be inserted.

- Insert 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” 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.
- Insert the disc and wait for 10 to 20 minutes with the system turned on.

continued

Troubleshooting (continued)

Play does not start from the first track.

- Press PLAY MODE repeatedly until “PROGRAM” or “SHUFFLE” disappears to return to normal play.

“—OVER—” appears.

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

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 component properly (see page 40).
- Switch to another sound source.
- Replace the MD with a recordable MD, or use the 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 32).

Optional components

There is no sound.

- Refer to General item “There is no sound.” on page 44 and check the condition of the system.
- Connect the component properly (see page 40) 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.

- Adjust the recording level (see page 23).

Tuner

Severe hum or noise/stations cannot be received.

- Set the proper band and frequency (see page 34).
- Connect the aerial properly (see page 6).
- Find a place and an orientation that provide good reception, then set up the aerial again. If you cannot obtain good reception, we recommend you connect a commercially available external aerial.
- The supplied FM lead aerial receives signals along its entire length, so make sure you extend it fully.
- Locate the aerials as far away from the speaker cords as possible.
- Consult your nearest Sony dealer if the supplied AM aerial has come off the plastic stand.
- Try turning off surrounding electrical equipments.

A stereo FM programme cannot be received in stereo.

- Press STEREO/MONO until “MONO” disappears in the display.
- See “Severe hum or noise/stations cannot be received.”, and check the aerial condition.

Cyclical static noise is heard while recording on an MD.

- Adjust the aerial 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:

With the system turned on, press VOLUME – and REC MODE at the same time while keeping pressing ■ for the MD.

“COLD RESET” appears, and the system turns off.

The system is reset to the factory settings. All the settings you made such as the preset stations, clock, timer and CD disc titles are cleared and must be set again.

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 insert 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 the All Erase function on page 27.

continued

Self-diagnosis display (continued)

C41/Cannot Copy

The sound source is a copy of a commercially available music software, or you tried to record a CD-R (Recordable CD).

→The Serial Copy Management System prevents making a digital copy (see page 44). You cannot record a CD-R.

C71/Check OPT-IN

This appears momentarily because of the signal of the digital broadcast during recording.

→There is no affect on the recorded contents.

No component is connected to the DIGITAL OPTICAL IN jack, or a digital component is not connected properly.

→Connect a digital component to the DIGITAL OPTICAL IN jack properly using a digital connecting cable.

The connected digital component is not turned on.

→See the operating instructions supplied with the connected component and confirm whether the component is turned on.

The digital connecting cable connected to the DIGITAL OPTICAL IN jack is pulled out, or the connected digital component is turned off during digital recording.

→Connect the cable, or turn on the digital component.

E0001/MEMORY NG

There is an error in the internal data that the system needs in order to operate.

→Consult your nearest Sony dealer.

E0101/LASER NG

There is a problem with the optical pickup.

→The optical pickup may have failed. Consult your nearest Sony dealer.

Messages

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

MD

Auto Cut

The MD deck is pausing the recording because silence continued for 30 seconds or more during 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 Programme or Shuffle Play mode.
 - You tried to change the recorded level of a track recorded in LP2 or LP4 mode.
-

Cannot REC

- A pre-mastered MD is in the deck.
 - The function is switched to MD.
 - You tried to change the recorded level of a track recorded in LP2 or LP4 mode.
-

Complete!

The editing operation of MDs is completed.

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.
- You cannot specify the division point at the beginning or end of a track.

Incomplete!

The S.F Edit (changing the recording level after recording, Fade-in, Fade-out) operation was not performed properly because the deck was moved while recording was in progress or the MD is damaged or dirty.

Initialize (flashing)

The Setup Menu settings have been lost. Or the contents recorded by the timer have disappeared over time and are not be available for saving to disc, or Programme Play could not be activated since the programme has disappeared over time.

(The message flashes for about four seconds when you turn on the deck by pressing I/⏻.)

Name Full

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

No Change

While attempting to change the recording level after recording, you pressed ENTER/YES on the remote without actually changing the recording level, so no change was made.

No Disc

There is no disc in the MD deck.

No Name

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

—OVER—

You have reached the end of the MD while pressing ►► for the MD during playing pause.

Step Full!

You tried to programme 26 or more tracks (steps).

Push STOP!

You pressed PLAY MODE during play.

—Rehearsal—

The MD is playing the specified dividing point for confirmation during the Divide function.

S.F Edit!

You attempted to perform another operation while in S.F Edit (changing the recording level after recording, Fade-in, Fade-out) mode.

S.F Edit NOW

You pressed I/⏻ while in S.F Edit (changing the recording level after recording, Fade-in, Fade-out) mode.

Smart Space

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

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.

continued

Self-diagnosis display (continued)

CD

Check and CD Position appear alternately

The disc could not be read properly.

Complete!

CD editing (Disc Memo) finished normally.

File Full

There are already 100 disc titles stored in the system.

No Disc

There is no CD in the CD player.

—OVER—

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

Push STOP!

You pressed PLAY MODE during play.

Step Full!

You tried to programme 26 or more tracks (steps).

Specifications

Main Unit (HCD-PX333)

Amplifier section

European model:

DIN power output (Rated): 20 + 20 watts
(6 ohms at 1 kHz, DIN, 230 V)

Continuous RMS power output (Reference):
25 + 25 watts
(6 ohms at 1 kHz, 10% THD, 230 V)

Music power output (Reference):
50 + 50 watts

Other models:

DIN power output (Rated): 20 + 20 watts (6 ohms at 1 kHz, DIN, 240 V)
18 + 18 watts (6 ohms at 1 kHz, DIN, 220 V)

Continuous RMS power output (Reference):
25 + 25 watts
(6 ohms at 1 kHz, 10% THD, 240 V)
23 + 23 watts
(6 ohms at 1 kHz, 10% THD, 220 V)

Inputs

TAPE IN (phono jacks): voltage 250 mV, impedance 47 kilohms

DIGITAL OPTICAL IN (Supported sampling frequencies: 32 kHz, 44.1 kHz and 48 kHz)

Outputs

TAPE OUT (phono jacks): voltage 250 mV, impedance 1 kilohm

PHONES (stereo minijack): accepts headphones 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 ($\lambda=800$ nm)

Emission duration: continuous

Frequency response 2 Hz – 20 kHz

MD deck section

System	MiniDisc digital audio system
Laser	Semiconductor laser ($\lambda=780$ nm) Emission duration: continuous
Sampling frequency	44.1 kHz
Frequency response	5 Hz – 20 kHz

Tuner section

FM stereo, FM/AM superheterodyne tuner	
FM tuner section	
Tuning range	87.5 – 108.0 MHz (50 kHz step)
Antenna	FM lead antenna
Antenna terminals	75 ohms unbalanced/ 300 ohms balanced
Intermediate frequency	
AM tuner section	
Tuning range	10.7 MHz
European model:	531 – 1,602 kHz (with the interval set at 9 kHz)
Other models:	531 – 1,602 kHz (with the interval set at 9 kHz) 530 – 1,710 kHz (with the interval set at 10 kHz)
Antenna	AM loop antenna
Intermediate frequency	External antenna terminals 450 kHz

Speaker (SS-CPX333)

Speaker system	2-way, bass-reflex type
Speaker units	
Woofer:	12 cm dia., cone type
Tweeter:	2.5 cm dia., dome type
Nominal impedance	6 ohms

General

Power requirements	
European model:	230 V AC, 50/60 Hz
Australian and Hong Kong models:	
	220 – 240 V AC, 50/60 Hz
Power consumption	
European model:	70 watts
	0.8 W or less in standby mode
Other models:	70 watts
Dimensions (w/h/d) incl. projecting parts and controls	
Amplifier/Tuner/MD/CD section:	
	Approx. 190 × 141 × 325 mm
Speaker:	Approx. 165 × 265 × 200 mm
Mass	
Amplifier/Tuner/MD/CD section:	
	Approx. 4.9 kg
Speakers:	Approx. 3.0 kg net per speaker
Supplied accessories	Remote (1) R6 (size AA) batteries (2) AM loop aerial (1) FM lead aerial (1) Speaker cords (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.

