WARNING

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

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

The laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLAS 1 LASERAPPARAT

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

The following caution label is located inside of the unit.

For the customers in the U.S.A.

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

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

Model No. MXD-D3
Serial No. ___________

For the customers in Canada

CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

Precautions

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

On power sources
• Before operating the deck, check that the operating voltage of the deck is identical with your local power supply. The operating voltage is indicated on the nameplate at the rear of the deck.
• 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.
• If you are not going to use the deck for a long time, be sure to disconnect the deck from the wall outlet. To disconnect the AC power cord, grasp the plug itself; never pull the cord.
• AC power cord must be changed only at the qualified service shop.

On condensation in the deck
If the deck is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lenses inside the deck. Should this occur, the deck may not operate properly. In this case, remove the CD or MD and leave the deck turned on for about an hour until the moisture evaporates.

On handling CDs
• To keep the CD clean, handle the CD by its edge. Do not touch the surface.
• Do not stick paper or tape onto the CD.
• Do not expose the CD to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight as there can be a considerable rise in temperature inside the car.
Welcome!

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

About This Manual

Conventions
• Before operating the deck, connect your deck by referring to “Getting Started.”
• For basic operations, see “Playing a CD,” “Playing an MD,” and “Recording a CD to an MD.”
• Controls in the instructions are those on the deck; these may, however, be substituted by controls on the remote that are similarly named or, when different, appear in the instructions within brackets.
• The following icons are used in this manual:
  • Indicates a procedure that requires use of the remote.
  • Indicates tips for making the task easier and hints.

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Unpacking

Check that you received the following items:
• Audio connecting cords (2)
• Optical cable (1)
• Remote commander (remote) RM-D37M (1)
• Sony R6 (size-AA) batteries (2)
• Power plug adaptor (1) (Singaporian model only)

Inserting batteries into the remote

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

When to replace batteries

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

Notes

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

Hooking Up the System

Overview

This section describes how to hook up the deck to an amplifier or other components such as a CD player or DAT deck. Be sure to turn off the power of each component before connection.

What cords will I need?

• Audio connecting cords (supplied) (2)
• Optical cable (supplied) (1)
Hookups

Connecting the deck to an amplifier
Connect the amplifier to the LINE (ANALOG) IN/OUT jacks using the audio connecting cords (supplied), making sure to match the color-coded cords to the appropriate jacks on the components: red (right) to red and white (left) to white. Be sure to make connections firmly to prevent hum and noise.

Connecting the deck to a digital component such as a CD player, DAT deck, or an MD deck
Connect the component through the DIGITAL OPTICAL IN connector with the optical cable (supplied).
Take the caps off the connectors and then insert the plugs parallelly until they click into place.
Be sure not to bend or tie the optical cable.

Setting the voltage selector (Singaporian model only)
Check that the voltage selector on the rear panel of the deck is set to the local power line voltage. If not, set the selector to the correct position using a screwdriver before connecting the AC power cord to an AC outlet.

Connecting the AC power cord
Connect the AC power cord to a wall outlet.

Note
Do not connect the AC power cord to a switched outlet.

If “Din Unlock” and “C71” alternate in the display
The optical cable is not connected properly. Check that the connections are secure.

Automatic conversion of digital sampling rates during recording
A built-in sampling rate converter automatically converts the sampling frequency of various digital sources to the 44.1 kHz sampling rate of this deck. This allows you to record sources such as 32- and 48-kHz DAT or satellite broadcasts, as well as compact discs and MDs.

Note
If “Din Unlock” alternates with “C71”, or “Cannot Copy” flashes in the display, recording through the DIGITAL OPTICAL IN connector is not possible. In this case, record the program source through the LINE (ANALOG) IN jacks with “ANALOG” selected by INPUT.
Playing a CD

1. Turn on the amplifier and set the source selector to the position for this deck.

2. Press I/ on. The STANDBY indicator turns off.

3. Press OPEN/CLOSE to insert a CD. Press the button again to close the CD tray.
   When you play an 8-cm CD, place it on the inner circle of the tray.

4. Press . The deck starts playing. Adjust the volume on the amplifier.

To

<table>
<thead>
<tr>
<th>Do the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stop playing</td>
</tr>
<tr>
<td>Pause playing</td>
</tr>
<tr>
<td>Go to the next track</td>
</tr>
<tr>
<td>Go to the beginning of the current track or the preceding track</td>
</tr>
<tr>
<td>Take out the CD</td>
</tr>
</tbody>
</table>

**When using the controls on the deck**
Use the CD player controls located to the left of the front panel.

**When using the remote**
Set SELECT to CD.

**Audio output**
Output switches automatically to the audio of the CD.

---

**You can start playing with the track selected in Step 4**
1. Turn AMS (or press ▶ or ▶) to select the track you want to play using the display*.
2. Press AMS or ▶.

* See “Using the Display” on pages 10 and 11.
Playing an MD

1. Turn on the amplifier and set the source selector to the position for this deck.
2. Press 1/0. The STANDBY indicator turns off.
3. Insert an MD.

To Do the following:

- **Stop playing**: Press ■.
- **Pause playing**: Press II. Press the button again or press 4 to resume playing.
- **Go to the next track**: Turn AMS clockwise (or press 4 on the remote).
- **Go to the beginning of the current track or the preceding track**: Turn AMS counterclockwise (or press I on the remote).
- **Take out the MD**: Press EJECT after stopping playing.

When using the controls on the deck
Use the MD deck controls located to the right of the front panel.

When using the remote
Set SELECT to MD.

Audio output
Output switches automatically to the audio of the MD.

💡 You can start playing with the track selected in Step 4
1. Turn AMS (or press I or 44) to select the track you want to play using the display*.
2. Press AMS or 4.

* See “Using the Display” on pages 10 and 11.

💡 You can change the MD playback speed
See “Changing the Pitch of the MD” on page 16.
Basic Operations

Recording a CD to an MD
(CD Synchro-Recording)

You can easily make digital recordings from a CD to an MD, marking track numbers in the same sequence as the original CD.

Before recording, see “Notes on Recording” on page 17.

**CD text is copied to the MD automatically**
When the CD to be recorded using the CD Synchro-Recording Function contains a disc name and track names, this information is recorded onto the MD automatically. If the MD is already labeled, only the track names are copied. Note that CD text on some CDs is copy-protected and thus may not be copied to the MD.

**You can play back tracks just recorded**
If “TRACK” lights up in the display when recording has finished, press $\Rightarrow$ immediately to play back from the first track of the material just recorded.

1. Press I/\).
The STANDBY indicator turns off.

2. Insert a recordable MD.

3. Press $\bigcirc$ OPEN/CLOSE to insert a CD. Press the button again to close the CD tray.

4. Select the playing mode of the CD (normal play, Program Play, or Repeat Play). See “Playing CDs and MDs”.

5. Press CD SYNCHRO NORMAL.
“CD SYNCHRO” appears and “–Normal–” flashes in the display. The MD deck section stands by for recording, and the CD player section stands by for playing.

6. After “CD SYNCHRO” and “–Normal–” turn off, press $\Rightarrow$ or on either left or right of the front panel. Recording starts. The MD deck section and the CD player section will automatically stop after recording.

To stop recording
Press $\blacksquare$ to the right of front panel.
Basic Operations

Notes
• You cannot record over existing material during CD Synchro-Recording. The deck automatically starts recording from the end of the existing material.
• Make sure that the remaining recordable time on the MD is longer than the playing time of the CD, especially if you want to record all the tracks on the CD.
• You cannot pause recording during CD Synchro-Recording.
• The recording level specified in the Setup Menu (page 20) is not applied during CD Synchro-Recording. The initial reference level (0.0 dB) is used instead.

When “TOC Writing” flashes in the display
The deck is currently updating the Table Of Contents (TOC). Do not move the deck or pull out the AC power cord. Changes to an MD made through recording are saved only when you update the TOC by ejecting the MD or changing the deck to standby by pressing the I/\(^\circ\) switch.

Do not disconnect the deck from the power source immediately after recording
If you do, recorded material may not be saved to the MD. To save the material, after recording, press \(\triangle\) EJECT to take out the MD or change the deck to standby by pressing \(\frac{1}{2}\). “TOC Writing” will flash at this time. After “TOC Writing” goes out, you can pull out the AC power cord.

To protect an MD against accidental erasure
To make it impossible to record on an MD, slide the tab in the direction of arrow, opening the slot. To allow recording, close the slot.
Using the Display

You can use the display to check disc and track information such as the total track number, total playing time of the tracks, track number and remaining time of the current track, remaining recordable time of the MD, and disc name.

Changing the display

Each time you press DISPLAY while the deck is stopped or playing, you can change the display as follows:

- **CD/MD divided display**
- Detailed display for CD player section
- Detailed display for MD deck section

**CD/MD divided display**

![Display example](image)

**Detailed display for CD player section**

![Display example](image)

**Detailed display for MD deck section**

![Display example](image)

The display changes automatically

Whenever you change the operation status of the deck, the display automatically changes to reflect that status. For example, if you change to CD playback, details about CD playback, such as track number and playing time of the current track, will automatically appear.

The disc name and track names are displayed as follows

When either of the detailed display is selected, the disc name appears whenever the deck is stopped. The name of the current track appears when a track is playing. If the CD has no CD text information or no title is recorded on the MD, “No Name” appears instead. To label a recordable MD and its tracks, see “Labeling Recordings” on page 31.

You can scroll a title of 12 or more characters

Press SCROLL. Since the display shows up to 11 characters at a time, press SCROLL to see the rest of the title if the title has 12 characters or more. Press SCROLL again to pause scrolling, and again to continue scrolling.

To check the playing time of a track

Turn AMS while the deck is stopped to select the track. When the track number appears, its playing time is also displayed.

When or flashes in the display

The deck is reading information to be displayed. The original display will reappear after a little while.

Detailed display for CD player section

When using the remote, set SELECT to CD.

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

While the deck is stopped, the information appears as follows:

- **Disc name**
- **Total number of track**
- **Total playing time**

If you insert a CD containing CD TEXT data

“CD TEXT” lights up in the display.
Checking the track number and remaining time of the current track
Press TIME repeatedly while playing a CD. Each time you press the button, the display changes as follows:

<table>
<thead>
<tr>
<th>Track number and playing time of the current track</th>
<th>Press</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Display" /></td>
<td><img src="image" alt="Display" /></td>
</tr>
</tbody>
</table>

Detailed display for MD deck section
When using the remote, set SELECT to MD.

Checking the total track number, total disc playing time and remaining recordable time of the MD
Each time you press TIME/CHAR while the deck is stopped, you can change the display as follows:

<table>
<thead>
<tr>
<th>Total track number and total playing time of all recorded tracks</th>
<th>Press</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Display" /></td>
<td><img src="image" alt="Display" /></td>
</tr>
</tbody>
</table>

Total track number and remaining recordable time of the disc (recordable MDs only)

```
Memory
19 Tr 68m40s
```

Press

The remaining recordable time of the disc is not shown for premastered MDs.

When you insert an MD, the disc name, total number of tracks and total disc playing time appear in the display as follows:

<table>
<thead>
<tr>
<th>Disc name</th>
<th>Total number of tracks</th>
<th>Total disc playing time</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Display" /></td>
<td><img src="image" alt="Display" /></td>
<td><img src="image" alt="Display" /></td>
</tr>
</tbody>
</table>

Checking the playing time, remaining time, and track number
Each time you press TIME/CHAR while playing an MD, you can change the display as follows:

<table>
<thead>
<tr>
<th>Track name, track number, and playing time of the current track</th>
<th>Press</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Display" /></td>
<td><img src="image" alt="Display" /></td>
</tr>
</tbody>
</table>

Track name, track number, and remaining time of the current track

```
Diary
3 Tr 1m45s
```

Press

Total remaining playing time of the disc (appears only during normal play)

```
Diary
-53m18s
```

Press
Locating a Specific Track

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

When using the remote, set SELECT to CD or MD.

To locate playing at the beginning of a track
Turn AMS (or press ◄◄ or ►►) after pausing playback.

To go quickly to the beginning of the last track
Turn AMS counterclockwise (or press ◄◄) while the display shows the total track number, total disc playing time or remaining recordable time of the disc (recordable MD only), or disc name (see page 11).

Locating a Particular Point in a Track

You can also use the ◄◄ and ►► buttons to locate a particular point in a track during playback or playback pause.

When using the remote, set SELECT to CD or MD.

To locate a point
Keep pressing

<table>
<thead>
<tr>
<th>To locate</th>
<th>Do the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>The next or succeeding tracks</td>
<td>During playback, turn AMS clockwise (or press ►► repeatedly) until you find the track.</td>
</tr>
<tr>
<td>The beginning of the current or preceding tracks</td>
<td>During playback, turn AMS counterclockwise (or press ◄◄ repeatedly) until you find the track.</td>
</tr>
<tr>
<td>A specific track directly</td>
<td>Press number button(s) to enter the track number.</td>
</tr>
<tr>
<td>A specific track by using AMS</td>
<td>1 While the deck is stopped, turn AMS until the track number you want to locate appears. 2 Press AMS or ◄►.</td>
</tr>
</tbody>
</table>

When you directly locate a track with a number over 10
Press >10 before entering the corresponding digits. Press >10 once if it is a 2-digit track number, and twice if it is a 3-digit track number (for MD only).
To enter “0”, press button 10/0.
Examples: • To play track number 30 Press >10 once, then 3 and 10/0. • To play track number 100 Press >10 twice, then 1, 10/0 and 10/0.

Notes
• If the disc reaches the end while you are pressing ►► during sound monitoring, the deck stops.
• Tracks that are only a few seconds long may be too short to scan using the search function. For such tracks, it is better to play the disc at normal speed.
Adjusting the Output Level

You can adjust the level of the playback signal output from the LINE (ANALOG) OUT and PHONES jacks.

1. While the deck is stopped, playing, or pausing, press MENU/NO twice to display “Setup Menu.”

2. Turn AMS to select “Aout”, then press AMS.

3. Turn AMS to change the output level within a range of 0.0 dB to –20.2 dB, then press AMS.

4. Press MENU/NO.

You can also change the output level using the remote

During playback, press LEVEL +/- repeatedly. Note that the level cannot go above 0 dB or lower than –20.2 dB.

Note

The output level setting returns to the initial value (0.0 dB) when you turn off the deck or disconnect the AC power cord.

Playing Tracks Repeatedly (Repeat Play)

You can play tracks repeatedly in any play mode.

1. Set SELECT to CD or MD.

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

The deck repeats the tracks as follows:

<table>
<thead>
<tr>
<th>When the disc is played in</th>
<th>The deck repeats</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal play (pages 6 and 7)</td>
<td>All the tracks</td>
</tr>
<tr>
<td>Shuffle Play (page 14)</td>
<td>All the tracks in random order</td>
</tr>
<tr>
<td>Program Play (page 14)</td>
<td>The same program</td>
</tr>
</tbody>
</table>

To stop Repeat Play
Press ■.

To cancel Repeat Play
Press REPEAT repeatedly until “REPEAT” disappears.

Repeating the current track only

While the track you want to repeat is playing in normal, Shuffle or Program Play, press REPEAT repeatedly until “REPEAT 1” appears in the display. If you select “REPEAT 1” while the deck is stopped, the deck repeats the next track that you locate to play.
Playing CDs and MDs

Playing in Random Order (Shuffle Play)

You can have the deck “shuffle” tracks and play them in random order.
When using the remote, set SELECT to CD or MD.

1. While the deck is stopped, press PLAY MODE repeatedly until “SHUFFLE” appears in the display.

2. Press ▶ to start Shuffle play.
   “Shuffle –” or “ã” appears in the display while the deck is “Shuffling” the tracks.

To stop Shuffle Play
Press ■.

To cancel Shuffle Play
While the deck is stopped, press PLAY MODE repeatedly until “SHUFFLE” disappears.

💡 You can specify tracks during Shuffle Play
- To play the next track, turn AMS clockwise (or press ▶▶).
- To play from the beginning of the current track again, turn AMS counterclockwise (or press ▶▶). You cannot use AMS (or ◀◀) to go back to tracks that have already been played.

Creating Your Own Program (Program Play)

You can specify the playback order of the tracks on a disc and create your own programs containing up to 25 tracks.
When using the remote, set SELECT to CD or MD.

Note
You cannot create a program containing tracks from both CD and MD.

1. While the deck is stopped, press PLAY MODE repeatedly until “PROGRAM” appears in the display.
Playing CDs and MDs

2 Do either a) or b) to create a program:
   “Program In” appears in the display for a few
   seconds at the beginning of either of the following
   procedures.
   a) When using the controls on the deck
   Turn AMS until the track number you want
   flashes in the display.
   Until you press the AMS control to enter the
   next track, you can continue turning the AMS to
   change the track selection. Furthermore, until
   you press << to start Program Play, you can
   change any other track in the program (see
   “Changing the track order” on this page).
   
   If you enter the wrong track number
   Press << or >> until the wrong track number
   flashes, then turn AMS to enter the correct track
   number.

   b) When using the remote
   Press the number buttons to enter the tracks
   you want to program in the order you want.
   To program a track with a number over 10, use
   the >10 button (see page 12).
   
   If you enter the wrong track number
   Press << or >> until the wrong track number
   flashes, then enter the correct track number
   with the number buttons.

3 Press AMS, then repeat Step 2 to enter other
   tracks.
   Each time you enter a track, the total program time
   is added up and appears in the display.

4 Press >> to start Program Play.

To stop Program Play
Press ■.

To cancel Program Play
While the deck is stopped, press PLAY MODE
repeatedly until “PROGRAM” disappears.

The program remains even after Program Play ends
When you press >>, you can play the same program
again.

Notes
• The display shows “- -m - -s” instead of the total playing
time when the total playing time of the program exceeds
199 minutes.
• “ProgramFull” appears when you program over 25 tracks.
Erase the unnecessary tracks to enter other tracks.
• The program is erased when you turn off the deck or
disconnect the AC power cord.

Changing the track order
You can change the order of the tracks in your program
before you start playing.

<table>
<thead>
<tr>
<th>To</th>
<th>Do the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Erase a track</td>
<td>Press &lt;&lt;/&gt;&gt; repeatedly until the number of the</td>
</tr>
<tr>
<td></td>
<td>unwanted track flashes, then press CLEAR.</td>
</tr>
<tr>
<td>Erase all tracks</td>
<td>Press CLEAR repeatedly until all the track</td>
</tr>
<tr>
<td></td>
<td>numbers disappear.</td>
</tr>
<tr>
<td>Add a track at the</td>
<td>Press &lt;&lt; repeatedly until the cursor</td>
</tr>
<tr>
<td>beginning of the program</td>
<td>flashes before the first track number, then</td>
</tr>
<tr>
<td></td>
<td>do Step 2 above.</td>
</tr>
<tr>
<td>Add a track in the</td>
<td>Press &lt;&lt;/&gt;&gt; repeatedly until the track number</td>
</tr>
<tr>
<td>middle of the program</td>
<td>which will precede the new track flashes. Press</td>
</tr>
<tr>
<td></td>
<td>AMS to display flashing cursor, then do Step 2</td>
</tr>
<tr>
<td></td>
<td>above.</td>
</tr>
<tr>
<td>Add a track to the end</td>
<td>Press &gt;&gt; repeatedly until the cursor</td>
</tr>
<tr>
<td>of the program</td>
<td>flashes after the last track number, then</td>
</tr>
<tr>
<td></td>
<td>do Step 2 above.</td>
</tr>
<tr>
<td>Replace a track</td>
<td>Press &lt;&lt;/&gt;&gt; repeatedly until the number of the</td>
</tr>
<tr>
<td></td>
<td>track to be changed flashes, then do Step 2</td>
</tr>
<tr>
<td></td>
<td>above.</td>
</tr>
</tbody>
</table>

💡 You can check the playing time and title of a track
before you add or erase it
Press TIME or TIME/CHAR while the number of the
track is flashing in the display. The playing time and
the title of the track (if the track is labeled) will appear.
Falling Asleep to Music (Sleep Timer)

You can let the deck turn off after the specified time, so you can sleep to the music.
You can specify the time until the deck turns off by 30 minutes.

1 Press MENU/NO twice to display “Setup Menu.”
2 Turn AMS to select “Sleep,” then press AMS.
3 Turn AMS to select the time. The minute display changes as follows:
   Off → 30 → 60 → 90 → 120
4 Press AMS.
5 Press MENU/NO.

To change the time to turn off
Start over from Step 1 above.

To cancel the Sleep Timer Function
Start over from Step 1 above, selecting “Off” in Step 3.

💡 After you activate the Sleep Timer Function
The display dims.

💡 You can check the time remaining until the deck turns off
After specifying the time, do Step 1 above and turn AMS to select “Sleep.” The time remaining appears to the right of “Sleep” indication.

Changing the Pitch of the MD (Pitch Control Function)

You can change the MD playback speed (pitch). The tone rises at higher pitches, and falls at lower pitches.

1 Press MENU/NO twice to display “Setup Menu.”
2 Turn AMS to select “Pitch,” then press AMS.
3 Turn AMS to change the pitch within a range of –98.5% to +12.5% (in 0.1% steps), then press AMS. When you press CLEAR, the setting returns to the initial value (0%).
4 Press MENU/NO.

Notes
• When you change the pitch during playback, the sound drops out momentarily.
• The pitch setting returns to the initial value (0%) when you turn off the deck or eject the MD.
**Notes on Recording**

If "Protected" and "C11" appear in the display
The MD is record-protected. Close the slot to record on the disc (see “To protect an MD against accidental erasure” on page 9).

If “Din Unlock” and “C71” alternate in the display
- The digital program source is not connected as you selected with the INPUT button in Step 3 on page 21. To continue, connect the program source properly.
- The program source is not on. Turn on the program source.

Depending on the Setup Menu settings and source being recorded, track numbers are marked in following ways:
- When recording from a CD or MD connected through the DIGITAL OPTICAL IN connector with OPT selected by the INPUT button: The deck automatically marks track numbers in the same sequence as the original. If, however, a track is repeated two or more times (e.g. by single-track repeat play) or two or more tracks with the same track number (e.g. from different MDs or CDs) are played, the track or tracks are recorded as part of a single, continuous track with a single track number. If the source is an MD, track numbers may not be marked for tracks of less than 4 seconds.
- When recording from some CD players and multi disc players connected through the DIGITAL OPTICAL IN connector with “OPT” selected by the INPUT button: The deck may not automatically mark track numbers. In these cases, mark the track numbers after recording, using the deck’s DIVIDE Function (see “Dividing Recorded Tracks” on pages 28 and 29).
- When recording from a source connected through the LINE (ANALOG) IN jacks with “ANALOG” selected by the INPUT button or when recording from a DAT or satellite broadcast connected through the DIGITAL OPTICAL IN connector with “OPT” selected by the INPUT button and “T.Mark Off” is selected in Setup Menu: The source will be recorded as a single track.

• Even while recording an analog source or a DAT or satellite broadcast, you can mark track numbers if “T.Mark LSyn” is selected in Setup Menu (see “Marking Track Numbers While Recording” on pages 21 and 22).
• When recording from DAT or satellite broadcasts with “OPT” selected by the INPUT button, the deck automatically marks a track number whenever the sampling frequency of the input signal changes regardless of track marking setting (“T.Mark LSyn” or “T.Mark Off”).

💡 You can mark track numbers during or after recording
For details, see “Marking Track Numbers While Recording” (pages 21 and 22) and “Dividing Recorded Tracks” (pages 28 and 29).

When “TOC Writing” flashes in the display
The deck is currently updating the Table Of Contents (TOC). Do not move the deck or pull out the AC power cord. Changes to an MD made through recording are saved only when you update the TOC by ejecting the MD or changing the deck to standby by pressing the I/Ů switch.

The deck uses the SCMS (Serial Copy Management System on pages 39 and 40)
The contents of MDs recorded through digital input connector cannot be recorded by this deck through the DIGITAL OPTICAL IN connector.
Useful Tips for Recording

When using the remote, set SELECT to MD.

Checking the remaining recordable time on the MD
Press TIME/CHAR.
• When you press the button repeatedly while the deck is stopped, the display alternates between total disc playing time and remaining recordable time on the MD (see page 11).
• When you press the button repeatedly while recording, the display alternates between the recording time of the current track and the remaining recordable time on the MD.

Monitoring the input signal (Input Monitor)
Before starting recording, you can monitor the selected input signal through the deck’s output jacks.

1. Press EJECT to remove the MD.

2. Press INPUT to select the input signal you want to monitor.

3. Press REC ●.

   When “ANALOG” is selected
The input analog signal is output to the LINE (ANALOG) OUT jacks and the PHONES jack after A/D and D/A conversion.
“AD – DA” appears in the display at this time.

   When “OPT” is selected
After passing through the Sampling Rate Converter (SRC), the digital signal input from the DIGITAL OPTICAL IN connector is output to the LINE (ANALOG) OUT jacks and PHONES jack after D/A conversion.
“– DA” appears in the display at this time.

   To stop monitoring the signal
Press ■.

If “Auto Cut” appears in the display (Auto Cut)
There has been no sound input for about 30 seconds during recording. The 30 seconds of silence are replaced by a blank of about 3 seconds and the deck changes to recording pause.
If the deck continues pausing for about 10 minutes after the Auto Cut Function activated, recording stops automatically.
Note that this function does not activate even if there has been no sound input for about 30 seconds when the deck started recording from the blank portion.
Also, this function does not work when recording from the CD player section of this deck.

   You can turn off the Auto Cut Function
For details, see “To turn off the Smart Space Function and Auto Cut Function” below. Note that when you turn off the Auto Cut Function, the Smart Space Function is turned off automatically.

If “Smart Space” appears in the display (Smart Space)
There has been an extended silence of 4 to 30 seconds in length during recording. The silence is replaced with a blank of about 3 seconds and the deck continues recording. Note that new track numbers may not be marked for portions recorded while this function is activated. Also, the Smart Space Function does not activate even if there has been an extended silence of 4 to 30 seconds in length when the deck started recording from the blank portion.
Also, this function does not work when recording from the CD player section of this deck.

To turn off the Smart Space Function and Auto Cut Function
1. While the deck is stopped, press MENU/NO twice to display “Setup Menu.”
2. Turn AMS to select “S.Space On,” then press AMS.
3. Turn AMS to select “S.Space Off,” then press AMS.
4. Press MENU/NO.
To turn on the Smart Space Function and Auto Cut Function again
1. Do Steps 1 and 2 in “To turn off the Smart Space Function and Auto Cut Function” above.
2. Turn AMS to select “S.Space On,” then press AMS.
3. Press MENU/NO.

Notes
• When you turn off the Smart Space Function, the Auto Cut Function is also turned off automatically.
• The Smart Space Function and Auto Cut Function are factory set to on.
• If you turn off the deck or disconnect the AC power cord, the deck will recall the last setting (On or Off) of the Smart Space and Auto Cut Functions the next time you turn on the deck.

Recording on a brand new MD or start recording from the end of the existing material
Skip this step.

To record from a specific point of a recorded track
Press ◄ to start playback, and press I at the point where you want to start recording.

To record erasing the previously recorded tracks
Turn AMS (or press ► or ◄) repeatedly until the number of the track to be recorded over appears in the display.

4. Press MENU/NO twice to display “Setup Menu.”
5. Turn AMS to select “Stereo Rec,” then press AMS.
6. Turn AMS to select the recording mode, then press AMS.

<table>
<thead>
<tr>
<th>To record in</th>
<th>Select</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stereo</td>
<td>Stereo Rec</td>
</tr>
<tr>
<td>Monoaural</td>
<td>Mono Rec*</td>
</tr>
</tbody>
</table>

* In monoaural mode, the recording time is about two times longer than in stereo mode.

7. Press MENU/NO.
8. Decide a point on the MD where you want to start recording.

To record on the MD Manually
You can start recording from the end of the existing material or record over the existing tracks just as you would on an analog cassette tape.

When using the remote, set SELECT to CD or MD.

To perform CD Synchro-Recording, see “Recording a CD to an MD” on pages 8 and 9 or “Recording a CD to an MD at High Speed” on page 23.

1. Turn on the amplifier and set the source selector to the position for the sound source you want to record.
2. Insert a recordable MD.
3. Press INPUT repeatedly to select the input connector.

<table>
<thead>
<tr>
<th>To record through</th>
<th>Select</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIGITAL OPTICAL IN</td>
<td>OPT</td>
</tr>
<tr>
<td>LINE (ANALOG) IN</td>
<td>ANALOG</td>
</tr>
</tbody>
</table>

4. Press INPUT repeatedly to select the input connector.

To record from the CD player section manually
Press INPUT repeatedly to select CD.

(Continued)
Recording on MDs

To pause recording
Press II. To resume recording, press the button again or press ▶.

Note
Whenever you pause recording, the track number increases by one. For example, if you paused recording while recording on track 4, the track number increases by one and recording continues on the new track when restarted.

To stop recording
Press II.

When “Overwrite” flashes in the display in Step 9 above
This indicates that the deck will start recording erasing the existing material.

You can play back tracks just recorded
If “TRACK” lights up in the display when recording has finished, press ▶ immediately to play back from the first track of the material just recorded.

Notes
• You cannot record over the existing material when “PROGRAM” or “SHUFFLE” appears in the display.
• You cannot change the recording mode setting during recording or recording pause.
• You cannot operate the CD player section while the deck is recording or standing by for recording with “OPT” or “ANALOG” selected with the INPUT button.

Adjusting the Recording Level

You can adjust the recording level before starting recording.

1 Do Steps 1 to 9 in “Recording on an MD Manually” on page 19.
2 Play the portion of the sound source with the strongest signal level.
3 Press MENU/NO twice to display “Setup Menu.”
4 Turn AMS to select the program source.

<table>
<thead>
<tr>
<th>To select</th>
<th>Turn AMS to display</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD player section of the deck</td>
<td>CD</td>
</tr>
<tr>
<td>a component connected to the DIGITAL OPTICAL IN connector</td>
<td>Opt</td>
</tr>
<tr>
<td>a component connected to the LINE (ANALOG) IN jacks</td>
<td>Ain</td>
</tr>
</tbody>
</table>

5 Press AMS.
6 While monitoring the sound, turn AMS to adjust the recording level so that the OVER indication (red) of the peak level meters does not turn on, then press AMS.

Recording level can be adjusted within a range of –∞ to +12 dB.

7 Press MENU/NO.

8 Stop playing the sound source.

9 To start recording, do the procedure starting from Step 11 in “Recording on an MD Manually” on page 19.

Tip You can also change the recording level by using the remote.

During recording pause, press LEVEL +/− repeatedly.

Note that the level cannot go above +12 dB.

You can also change the recording level by using the remote.

During recording pause, press LEVEL +/− repeatedly.

Note You cannot adjust the recording level while playing an MD.

Marking Track Numbers While Recording

You can mark track numbers either manually or automatically. By marking track numbers at specific points, you can quickly locate the points later using the AMS Function or Editing Functions.

Marking track numbers manually

You can mark track numbers at any time while recording on an MD.

Press REC at the place you want to add a track mark while recording.

Marking track numbers automatically (Track Marking Function)

The deck adds track marks differently in the following cases:

- When recording from CDs or MDs with “OPT” selected by the INPUT button (when recording from a CD or MD connected through the DIGITAL OPTICAL IN connector):
  The deck marks track numbers automatically according to the information contained in the source being recorded.
  However, the deck may not automatically mark track numbers when recording from some CD players and multi disc players.
- When you make an CD Synchro-Recording (see pages 8 and 9) or High-Speed CD Synchro-Recording (see page 23), the deck marks track numbers automatically under the control of the CD player section.
- In all other cases:
  If “T.Mark LSyn” is selected in Setup Menu, the deck marks a new track number whenever the signal drops to the specified level or below for about 1.5 seconds or longer, then rises to a specified level.

(Continued)
Set “T.Mark” in Setup Menu to “LSyn” or “Off” as follows:

1. Press MENU/NO twice to display “Setup Menu” while the deck is stopped.

2. Turn AMS to select “T.Mark LSyn,” then press AMS.

3. Turn AMS to select “T.Mark LSyn” or “T.Mark Off,” then press AMS.
   If you select “T.Mark LSyn,” “L.SYNC” lights up in the display.

4. Press MENU/NO.

**Note**
If you turn off the deck or disconnect the AC power cord, the deck will recall the last setting of the track marking function (“LSyn” or “Off”) the next time you turn on the deck.

---

**Recording the Current CD Track (REC-IT Function)**

You can record specific tracks on a CD while listening to them. This function allows you to put only the tracks you like onto the MD.

When using the remote, set SELECT to CD.

1. Press ▶ on the CD player section.
   Make sure that the MD deck section is stopped.

2. Press REC-IT when you hear a track you want to record.
   Play returns to the start of the track and recording starts. The recording stops at the end of the track, but CD playback continues from the next track.

**To stop recording**
Press ■ on the CD player section.

**Notes**
- You cannot record over existing material during REC-IT Recording. The deck automatically starts recording from the end of the existing material.
- Make sure that the remaining recordable time on the MD is longer than the playing time of the CD track.
- The recording level specified in the Setup Menu (page 20) is not applied during REC-IT Recording. The initial reference level (0.0 dB) is used instead.

**While “TOC Writing” is flashing**
Do not move the deck or pull out the AC power cord to ensure the complete recording. The deck is currently updating the Table Of Contents (TOC) of the MD.
Recording a CD to an MD at High Speed (High-Speed CD Synchro-Recording)

This function allows you to record a CD to an MD at four times the speed of normal CD Synchro-Recording.

1. Insert a recordable MD.
2. Insert a CD that you want to record.
3. Select the playing mode of the CD (normal play, Program Play, or Repeat Play).
4. Press CD SYNCHRO HIGH. “CD SYNCHRO” appears and “–High–” flashes in the display. The MD deck section stands by for recording and the CD player section stands by for playing.
5. After “CD SYNCHRO” and “–High–” turn off, press or on either CD player section or MD deck section. High-speed recording starts. The deck stops automatically after recording.

Notes
- You cannot record over existing material during High-Speed CD Synchro-Recording. The deck automatically starts recording from the end of the existing material.
- Make sure that the remaining recordable time on the MD is longer than the playing time of the CD, especially if you want to record all the tracks on the CD.
- You cannot pause recording during High-Speed CD Synchro-Recording.
- The following items are either inoperative or cannot be used during High-Speed CD Synchro-Recording:
  - The Smart Space Function and Auto Cut Function.
  - The recording level specified in the Setup menu.
  - Recorded signal monitoring.
- With the following kinds of CDs, you may experience a reading failure or noise when recorded to 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 deck is bumped.
  - The deck is placed on an uneven or soft surface.
  - The deck is located near a speaker, door, or other source of vibration.

If “–Retry–” flashes in the display after you press or in Step 5 above
A reading failure has occurred, and the deck is trying to read the data again.
- If the retry was successful, the deck continues with High-Speed CD Synchro-Recording.
- If the condition of the inserted CD or the deck is poor, and retry fails, High-Speed CD Synchro-Recording is disabled. In this case, the indicator on the CD SYNCHRO NORMAL button flashes and the deck automatically starts recording in normal CD Synchro-Recording. Note that monitoring of the recorded signal is not possible when this occurs.

To stop recording
Press on the MD deck section.

💡 You can label a track currently being recorded
You can use either the controls on the deck or the buttons on the remote (see pages 31 to 34).

💡 You can play back tracks just recorded
If “TRACK” lights up in the display when recording has finished, press immediately to play back from the first track of the material just recorded.
Synchro-Recording With an External Audio Equipment (Music Synchro-Recording)

By using the MUSIC SYNC button on the remote, you can automatically start recording in sync with the signal input from the program source connected to the deck.

The method of marking track numbers differs, depending on the program source being recorded and the track marking setting (see “Notes on Recording” on page 17).

1. Do Steps 1 to 8 in “Recording on an MD Manually” on page 19.
   In Step 3 on page 19, be sure to select OPT or ANALOG, but not CD. Note that Music Synchro-Recording is only for doing synchro-recording with an externally connected component.

2. Press MUSIC SYNC.
   The deck changes to recording pause.

3. Start playing the program source you want to record.
   The deck starts recording automatically.

To stop Music Synchro-Recording
Press ■.

Note
When Music Synchro-Recording, the Smart Space Function and the Auto Cut Function turn on automatically regardless of their setting (“On” or “Off”).

Starting Recording With 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 Function constantly stores 6 seconds (12 seconds in monaural recording mode) of the most recent audio data in a buffer memory so that when you begin recording the program source using this function, the recording actually begins with the 6 seconds (or 12 seconds) of audio data stored in the buffer memory in advance as shown in the illustration below.

1. Do Steps 1 to 9 in “Recording on an MD Manually” on page 19.
   The deck changes to recording pause.
2 Start playing the program source you want to record.
   The most recent 6 seconds (12 seconds in monaural mode) of audio data is stored in the buffer memory.

3 Press AMS (or T.REC) to start Time Machine Recording.
   Recording of the program source starts with the audio data stored in the buffer memory.

To stop Time Machine Recording
Press ■.

Note
The deck starts storing audio data when the deck is in recording pause and you start playing the program source.
With less than 6 seconds (or 12 seconds) of playing of the program source and audio data stored in the buffer memory,
Time Machine Recording starts with less than 6 seconds (or 12 seconds) of audio data.

Fading In and Out (Fader)

You can gradually increase the recording level at the beginning of a recording (fade-in recording) or gradually decrease the recording level at the end of a recording (fade-out recording).
This function is convenient when, for example, you don’t want the track cut off abruptly when the disc reaches to its end.

Fader

During recording pause, press FADER at the position where you want to start fade-in recording.
◆ flashes and the deck performs the fade-in recording until the counter reaches “0.0s.”

Fade-out recording

During recording, press FADER at the position where you want to start fade-out recording.
◆ flashes and the deck performs the fade-out recording until the counter reaches “0.0s.”
The deck changes to recording pause when fade-out recording finishes.

💡 You can set the duration of fade-in and fade-out recording independently
1 While the deck is stopped, press MENU/NO twice to display “Setup Menu.”
2 To set duration of fade-in recording:
   Turn AMS to select “F.in,” then press AMS.
   To set duration of fade-out recording:
   Turn AMS to select “F.out,” then press AMS.
3 Turn AMS to set the duration.
   Both the fade-in and fade-out recording duration can be set within a range of 1.0 second to 15.0 seconds (in 0.1-second steps).
4 Press AMS.
5 Press MENU/NO.
Notes on Editing

You can edit the recorded tracks after recording, using the following functions:

• Track Erase Function allows you to erase recorded tracks simply by specifying the corresponding track number.
• All Erase Function allows you to erase the contents of an entire MD.
• A-B Erase Function allows you to specify a portion within a track to erase it.
• Divide Function allows you to divide tracks at specified points so that you can quickly locate those points afterwards, using the AMS function.
• Combine Function allows you to combine two tracks into one.
• Move Function allows you to change the order of tracks by moving a specific track to a track position you want.
• Name Function allows you to create and edit titles for your recorded MDs and tracks.
• Undo Function allows you to cancel the last edit.

To enter Edit Menu
1 While the deck is stopped, playing, or pausing, press MENU/NO to display “Edit Menu.”
2 Turn AMS to select the desired editing function, then press AMS.

If “Protected” or “Cannot Edit” appears in the display
The deck could not edit because the record-protect slot on the MD is open. Edit after closing the slot.

When “TOC” and “TOC Writing” flash in the display
Do not move the deck or pull out the AC power cord. After editing, “TOC” lights continuously until you eject the MD or turn off the deck. “TOC” and “TOC Writing” flash while the deck is updating the TOC. When the deck finishes updating the TOC, “TOC” and “TOC writing” turn off.

Erasing Recordings

Do the procedures below to erase following:

• A single track (Track Erase)
• All tracks (All Erase)

Erasing a single track (Track Erase Function)

You can erase a track simply by specifying the respective track number. When you erase a track, the total number of tracks on the MD decreases by one and all tracks following the erased one are renumbered. Since erasing merely updates the TOC, there is no need to record over material.

To avoid confusion when erasing multiple tracks, you should proceed in order of high to low track number to prevent the renumbering of tracks that have not been erased yet.

Example: Erasing B

1 While the deck is stopped, playing, or pausing, press MENU/NO to display “Edit Menu.”
2 Turn AMS until “Tr Erase ?” appears in the display.

Track number

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Track Erase

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 B is erased

2 When “Tr Erase ?” appears in the display.
3 Press AMS or YES.
The display for erasing tracks appears and playback of the displayed track starts.

4 Turn AMS to select the track to be erased.

5 Press AMS or YES.
When the track selected in Step 4 has been erased, “Complete!!” appears for a few seconds.
The track following the erased track begins playing. (If you erase the last track, the track preceding the erased track starts playing.)

6 Repeat Steps 1 to 5 to erase more tracks.

To cancel the Tr Erase Function
Press MENU/NO or ●.

Erasing a Part of a Track (A-B Erase Function)
You can specify a portion within a track and erase the portion with ease. It is convenient when erasing unnecessary sections after recording satellite broadcast or FM broadcast.

Example: Erasing a part of track A

You can undo the Tr Erase or All Erase Function
Use the Undo Function immediately after you erased the track (see page 35).

(Continued)
Editing Recorded MDs

4 While monitoring the sound, turn AMS to find the starting point of the portion to be erased (point A). You can select the unit ("f," "s," or "m") by which point A is shifted. Press ◄ or ► to select frame* "f," second "s," or minute "m," then turn AMS to change point A. * 1 frame is about 12 ms.

5 If point A is still incorrect, repeat Step 4 until it is correct.

6 Press AMS or YES if point A is correct. "Point B set" appears in the display for setting the end point of the portion to be erased (point B) starts.

7 Continue playback (or press ◄ or ►) until the deck reaches point B, then press AMS or YES. "Rehearsal" and "Point B ok?" alternate in the display while the deck repeats a portion of a few seconds before point A and after point B successively.

8 Repeat Step 4 if point B is not correct.

9 Press AMS or YES when point B is correct. “Complete!!” appears for a few seconds and the part between point A and B is erased.

To cancel the A-B Erase Function
Press MENU/NO or ■.

💡 You can undo the A-B Erase Function
Use the Undo Function immediately after you erased the part of the track (see page 35).

Note
If “Impossible” appears in the display, the specified portion cannot be erased. This sometimes happens when you’ve edited the same track many times, and is due to a technical limitation of the MD system, not a mechanical error.

Dividing Recorded Tracks
(Divide Function)

With the Divide Function you can mark a track number at places that you want to randomly access afterwards. Use this function to add tracks to MDs recorded from an analog source (and therefore contain no track numbers), or to divide an existing track into multiple portions for locating positions in the middle of a track. When you divide a track, the total number of tracks on the MD increases by one and all tracks following the divided track are renumbered.

Example: Dividing track 2 to create a new track for C

<table>
<thead>
<tr>
<th>Track number</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Divide</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

Track 2 is divided and a new track is created for C

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
</table>

MENU/NO YES

Dividing a track after selecting the track

1 While the deck is stopped, playing, or pausing, press MENU/NO to display “Edit Menu.”

2 Turn AMS until “Divide?” appears in the display, then press AMS or YES.

3 Turn AMS to select the track to be divided and press AMS or YES. "Rehearsal" appears in the display and the deck plays back the selected track from the beginning.
Combining Recorded Tracks (Combine Function)

Use the Combine Function to combine tracks on a recorded MD. The two tracks to be combined need not be consecutive and the latter track to be combined can be the track which comes before the former one in the track number order. This function is useful for combining several songs into a single medley, or several independently recorded portions into a single track. When you combine two tracks, the total number of tracks decreases by one and all tracks following the combined tracks are renumbered.

Example: Combining B and D

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>2</td>
<td>A</td>
<td>C</td>
<td>D</td>
</tr>
</tbody>
</table>

To cancel the Divide Function
Press MENU/NO or ■.

You can undo the Divide Function
Use the Undo Function immediately after you divided the track (see page 35).

You can divide a track while recording
Mark the track numbers manually or use the Track Marking Function (see pages 21 and 22).

Dividing a track after selecting the dividing point

1. While playing the MD, press AMS at the point where you want to create a new track.
   “– Divide –” and “–Rehearsal–” alternate in the display and playback continues from the position you selected.

2. To make fine adjustment on the dividing position, do Step 4 in “Dividing a track after selecting the track” on this page.

3. Press YES.
   “Complete!!” appears for a few seconds and the newly created track begins playing.

To cancel the Divide Function
Press AMS, MENU/NO or ■.
Moving Recorded Tracks
(Move Function)

Use the Move Function to change the order of any track. After you move a track, the track numbers between the new and old track positions are automatically renumbered.

Example: Moving track C to track position 2

1 While the deck is stopped, playing, or pausing, press MENU/NO to display “Edit Menu.”

2 Turn AMS to select “Move ?,” then press AMS or YES.

3 Turn AMS to select the track to be moved and press AMS or YES.

4 Turn AMS until the new track position appears. The deck plays the track to be moved during this time.

Note
If “Impossible” appears in the display, the tracks cannot be combined. This sometimes happens when you’ve edited the same track many times, and is due to a technical limitation of the MD system, not a mechanical error.
5 Press AMS or YES.
   “Complete!!” appears for a few seconds and the
   moved track begins playing back.

To cancel the Move Function
Press MENU/NO or ■.

💡 You can undo the Move Function
Use the Undo Function immediately after you moved
the track (see page 35).

---

Labeling Recordings
(Name Function)

You can create titles for your recorded MDs and tracks.
Titles — which may consist of uppercase and
lowercase letters, numbers and symbols for a
maximum of about 1,700 characters per disc — appear
in the display during MD operation. You can also use
the remote to label a track or an MD (see “Labeling
tracks and MDs with the remote” on page 33).

![Image of MD player]

Use the following procedure to label a track or an MD.
You can label a track while it is playing, pausing,
recording, or stopped. If the track is recording, be
sure to finish labeling before the track ends. If the
track ends before you’ve completed the labeling
procedure, the characters already entered are not
recorded and the track will remain unlabeled.

1 Press MENU/NO to display “Edit Menu.”

2 Turn AMS until “Name ?” appears in the display
   and press AMS or YES.
   Skip this step while recording.

3 Turn AMS until “Nm In ?” appears in the display,
   then press AMS or YES.

4 Turn AMS to select “Disc” to label an MD, or to
   specify the track to label.
   While recording, go to Step 6.

(Continued)
5 Press AMS or YES.
A flashing cursor appears in the display.

6 Press TIME/CHAR to select the character type as follows:

<table>
<thead>
<tr>
<th>To select</th>
<th>Press TIME/CHAR repeatedly until</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uppercase letters</td>
<td>“A” appears in the display</td>
</tr>
<tr>
<td>Lowercase letters</td>
<td>“a” appears in the display</td>
</tr>
<tr>
<td>Numbers</td>
<td>“0” appears in the display</td>
</tr>
<tr>
<td>Symbols</td>
<td>“!” appears in the display</td>
</tr>
</tbody>
</table>

7 Turn AMS to select the character.
The selected character flashes.
Letters, numbers, symbols, and a space appear in sequential order as you turn AMS.
You can use the following symbols in titles:
! " # $ % & ’ ( ) * + , - . / : ; < = > ? @ _`

You can press TIME/CHAR to change the character type at any time during Step 7 (see Step 6 above).

8 Press AMS to enter the selected character.
The selected character stops flashing and the cursor flashes waiting for the input of the next character.

9 Repeat Steps 7 and 8 until you have entered the entire title.

If you entered the wrong character
Press ◄ or ► until the character to be corrected starts flashing, and repeat Steps 7 and 8 to enter the correct character.

To erase a character
Press ◄ or ► until the character to be erased starts flashing, then press CLEAR.

To enter a space*
Press AMS while the cursor is flashing.

* You cannot select a space for the first character of the title.

10 Press YES.
This completes the labeling procedure and the title appears in the display.

To cancel labeling
Press MENU/NO or p.

Note
You cannot label a track or an MD while you are recording over an existing track.
Copying a track or disc title within an MD (Name Copy Function)

You can copy a track or disc title to use it as a title of another track or the disc title within a disc. Note that you can do this operation by using the controls on the deck only.

1. Press MENU/NO to display “Edit Menu.”

2. Turn AMS to select “Name ?,” then press AMS or YES.

3. Turn AMS to select “Nm Copy ?,” then press AMS or YES.

4. Turn AMS to select “Disc” (when copying the disc title) or the track number (when copying the track title), and press AMS or YES to copy the selected title.

If “No Name” appears in the display
The disc or the track has no name.

5. Turn AMS to select “Disc” (when naming the disc) or the track number (when naming a track), and press AMS or YES to enter the copied title.

“Complete!!” appears for a few seconds to indicate that the copying operation is completed.

If “Overwrite ?” appears in the display
The disc or track you selected already has a title. If you continue the title copying, press AMS or YES.

To cancel the Name Copy Function
Press MENU/NO or ■.

Labeling tracks and MDs with the remote

1. Press NAME.
A flashing cursor appears in the display, then do the following:

<table>
<thead>
<tr>
<th>To label</th>
<th>Make sure that the deck is</th>
</tr>
</thead>
<tbody>
<tr>
<td>A track</td>
<td>Playing, pausing, recording the track to be labeled, or stopped after locating the track to be labeled</td>
</tr>
<tr>
<td>An MD</td>
<td>Stopped with no track number appearing in the display</td>
</tr>
</tbody>
</table>

2. Press CHAR repeatedly to select the character type as follows:

<table>
<thead>
<tr>
<th>To select</th>
<th>Press CHAR repeatedly until</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uppercase letters</td>
<td>“Selected AB” appears in the display</td>
</tr>
<tr>
<td>Lowercase letters</td>
<td>“Selected ab” appears in the display</td>
</tr>
<tr>
<td>Numbers</td>
<td>“Selected 12” appears in the display</td>
</tr>
</tbody>
</table>

3. Press an alphabet/number button to enter a character.

If you selected uppercase or lowercase letters
1. Press the corresponding letter/number button repeatedly until the character to be entered flashes.
Or, press the button once and press ▶/▶ repeatedly.
2. Press ▶/▶.
The flashing character is entered and lights continuously and the cursor shifts to the right.

(Continued)
Repeat Steps 2 and 3 until you have entered the entire title.

**If you entered the wrong character**
Press ◀ or ▶ until the character to be corrected starts flashing.
Press CLEAR to erase the incorrect character, then enter the correct one.

**To enter a space**
Press ▶ while the cursor is flashing.

Press NAME again.
This completes the labeling procedure and the title appears in the display.

**To cancel labeling**
Press MENU/NO or ■.

**Changing an existing title**
1. Press NAME, then do the following:

<table>
<thead>
<tr>
<th>To change</th>
<th>Make sure that the deck is</th>
</tr>
</thead>
<tbody>
<tr>
<td>A track title</td>
<td>Playing, pausing the track whose title is to be changed, or stopped after locating the track whose title is to be changed</td>
</tr>
<tr>
<td>A disc name</td>
<td>Stopped with no track number appearing in the display</td>
</tr>
</tbody>
</table>

2. Press down CLEAR until the current title is erased.

3. Enter the new title.
Do Steps 6 to 9 of “Labeling Recordings” on page 32, or Steps 2 to 4 of “Labeling tracks and MDs with the remote” on page 33 and this page.

4. Press NAME.

**Erasing a title on a disc (Name Erase Function)**
Use this function to erase a title on a disc.

1. While the deck is stopped, playing, recording, or pausing, press MENU/NO to display “Edit Menu.”

2. Turn AMS to select “Name ?,” then press AMS or YES.

3. Turn AMS to select “Nm Erase ?,” then press AMS or YES.

4. Turn AMS to select “Disc” to erase the disc title, or the track whose title you want to erase and press AMS or YES.

“Complete!!” appears for a few seconds and the title is erased.

**To cancel the Name Erase Function**
Press MENU/NO or ■.

**Erasing all titles on an MD (Name All Erase Function)**
Use this function to erase all titles on an MD simultaneously.

1. While the deck is stopped, playing, or pausing, press MENU/NO to display “Edit Menu.”

2. Turn AMS to select “Name ?”, then press AMS or YES.

3. Turn AMS to select “Nm AllErs?,” then press AMS or YES.

4. Press AMS or YES again.

“Complete!!” appears for a few seconds and all titles are erased.

**To cancel the Name All Erase Function**
Press MENU/NO or ■.

You can undo the Name Erase Function and the Name All Erase Function
See “Undoing the Last Edit” on page 35.

You can erase all recorded tracks and titles
See “Erasing all tracks on an MD” on page 27.
Undoing the Last Edit (Undo Function)

You can use the Undo Function to cancel the last edit and restore the contents of the MD to the condition that existed before editing was done. Note, however, that you cannot undo an edit if you do any of the following after the edit:

- Press the REC button on the deck.
- Press the button or the MUSIC SYNC button on the remote.
- Update the TOC by turning off the deck or ejecting the MD.
- Disconnect the AC power cord.

1. With the deck stopped and no track number appearing in the display, press MENU/NO to display “Edit Menu.”

2. Turn AMS until “Undo ?” appears in the display. “Undo ?” does not appear if no editing has been done.

3. Press AMS or YES. One of the following messages appears in the display, depending on the type of editing to be undone:

<table>
<thead>
<tr>
<th>Editing done</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>Erasing a single track</td>
<td>“Erase Undo?”</td>
</tr>
<tr>
<td>Erasing all tracks on an MD</td>
<td></td>
</tr>
<tr>
<td>Erasing a part of a track</td>
<td>“Erase undo?”</td>
</tr>
<tr>
<td>Dividing a track</td>
<td>“Divide Undo?”</td>
</tr>
<tr>
<td>Combining tracks</td>
<td>“Combine undo?”</td>
</tr>
<tr>
<td>Moving a track</td>
<td>“Move Undo?”</td>
</tr>
<tr>
<td>Labeling a track or an MD</td>
<td></td>
</tr>
<tr>
<td>Copying a title</td>
<td></td>
</tr>
<tr>
<td>Changing an existing title</td>
<td>“Name Undo?”</td>
</tr>
<tr>
<td>Erasing a title</td>
<td></td>
</tr>
<tr>
<td>Erasing all titles on an MD</td>
<td></td>
</tr>
</tbody>
</table>

4. Press AMS or YES again. “Complete!!” appears for a few seconds and the contents of the MD are restored to the condition that existed before the edit.

To cancel the Undo Function
Press MENU/NO or ■.
Display Messages

The following table explains the various messages that appear in the display. Also, the deck has a Self-Diagnosis Function (see page 43).

<table>
<thead>
<tr>
<th>Message</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank Disc</td>
<td>A new (blank) or erased MD has been inserted.</td>
</tr>
<tr>
<td>Cannot Copy</td>
<td>An attempt was made to make a second copy from a digitally dubbed MD (see page 39).</td>
</tr>
<tr>
<td>Cannot Edit</td>
<td>An attempt was made to edit the MD during Program or Shuffle Play or the MD is record-protected.</td>
</tr>
<tr>
<td>CD Error !!</td>
<td>An operational error has occurred in the CD player section. Wait a few seconds, and then try the operation again.</td>
</tr>
<tr>
<td>Disc Full!!</td>
<td>The MD is full (see “System Limitations” on this page).</td>
</tr>
<tr>
<td>Impossible</td>
<td>The deck cannot do the specified editing operation (see pages 26 to 34).</td>
</tr>
<tr>
<td>Name Full!!</td>
<td>The titling capacity of the MD has reached its limit (about 1,700 characters).</td>
</tr>
<tr>
<td>No Disc</td>
<td>There is no MD in the deck.</td>
</tr>
<tr>
<td>No Name</td>
<td>The disc or track has not been labeled.</td>
</tr>
<tr>
<td>Premastered</td>
<td>An attempt was made to record on the premastered MD.</td>
</tr>
<tr>
<td>ProgramFull</td>
<td>The program contains the maximum number of tracks. You cannot set additional tracks.</td>
</tr>
<tr>
<td>–Retry–</td>
<td>The deck is retrying reading data from the CD (see page 23).</td>
</tr>
<tr>
<td>Initialize</td>
<td>This happens when the deck has been disconnected from the AC power source for certain period of time.</td>
</tr>
</tbody>
</table>

System Limitations

The recording system in your deck is radically different from those used in cassette and DAT decks and is characterized by the limitations described below. Note, however, that these limitations are due to the inherent nature of the MD recording system itself and not to mechanical causes.

"Disc Full!!" lights up even before the MD has reached the maximum recording time

When 255 tracks have been recorded on the MD, "Disc Full!!" lights up 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!!" lights up before the maximum number of tracks is reached

Fluctuations in emphasis within tracks are sometimes interpreted as track intervals, incrementing the track count and causing "Disc Full!!" to light up.

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

Tracks under 12 seconds in length are not counted and so erasing them may not lead to an increase in the recording time.

Some tracks cannot be combined with others

Track combination may become impossible when tracks are edited.

The total recorded time and the remaining time on the MD may not total the maximum recording time

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

Tracks created through editing may exhibit sound dropout during search operations.

Track numbers are not recorded correctly

Incorrect assignment or recording of track numbers may result when CD tracks are divided into several smaller tracks during digital recording. Also, when the Track Marking Function is activated during recording, track numbers may not marked as in the original depending on the program source.
“TOC Reading” appears for a long time
If the inserted recordable MD is brand new, “TOC Reading” appears in the display longer than for MDs that have been used.

Limitations when recording over an existing track
• The correct remaining recording time may not be displayed.
• You may find it impossible to record over a track if that track has been recorded over several times already. If this happens, erase the track using the Tr Erase Function (see pages 26 and 27).
• The remaining recording time may be shortened out of proportion to the total recorded time.
• Recording over a track to eliminate noise is not recommended since this may shorten the duration of the track.
• You may find it impossible to label a track while recording over it.

The correct recorded/playing time may not be displayed during playback of monaural-format MDs.

Troubleshooting
If you experience any of the following difficulties while using the deck, use this troubleshooting guide to help you remedy the problem.

CD player section
The player does not start playing.
➤ Insert a CD.
➤ Place the CD properly.
➤ Clean the CD.
➤ Moisture condensation has formed inside the deck. Take the CD out and leave the deck turned on for about an hour until the moisture evaporates.

MD deck section
The deck does not operate or operates poorly.
➤ The MD may be damaged (“Disc Error!!” appears). Take the MD out and insert it again. If “Disc Error!!” remains, replace the MD.

The deck does not play back.
➤ Moisture has formed inside the deck. Take the MD out and leave the deck in a warm place for several hours until the moisture evaporates.
➤ Press I/○ to turn the deck on.
➤ Slide the MD into the disc slot with the label side up and the arrow pointing towards the opening.
➤ Replace the disc with one that has been recorded.

The deck does not record.
➤ The MD is record-protected (“Protected” appears and “C11” flashes). Close the record-protect slot (see page 9).
➤ Make connections properly to the sound source.
➤ The sound source is not connected to the selected input connector. Select the correct input connector using INPUT.
➤ The recording level is not adjusted properly. Adjust the recording level properly (see pages 20 and 21).
➤ A premastered MD is inserted. Replace it with a recordable MD.
➤ There is not enough time left on the MD. Replace it with another recordable MD with fewer recorded tracks, or erase unnecessary tracks.
➤ There has been a power failure or the AC power cord has been disconnected during recording. Data recorded to that point may be lost. Repeat the recording procedure.

The sound has a lot of static.
➤ Strong magnetism from a television or a similar device is interfering with operations. Move the deck away from the source of strong magnetism.

The three-digit display appears.
➤ The Self-Diagnosis Function is on. Check the table on page 43.

Others

No sound is output.
➤ Make the connections properly.
➤ Operate the amplifier properly.
➤ When using the headphones, turn PHONE LEVEL to turn up the output level.

The remote does not operate the deck.
➤ Make sure that there is no obstacles between the deck and the remote.
➤ Point the remote at the remote sensor on the deck.
➤ Replace the batteries in the remote.

After you’ve attempted the prescribed remedies
If the deck still does not operate properly, or if other problems not described above occur, turn off the deck, then reinsert the plug into the power outlet. If the problem persists, reset the system as follows:

1 Turn off the deck and unplug the AC power cord.
2 Reinsert the plug into the power outlet while pressing down I/○.

Should any problem persist even after resetting the system, consult your nearest Sony dealer.
CD player section

System: Compact Disc digital audio system
Laser: Semiconductor laser (λ = 780 nm)
Emission duration: continuous
Laser output: Less than 44.6 µW*
* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.
Frequency response: 5 to 20,000 Hz ±0.5 dB
Signal-to-noise ratio: More than 98 dB
Wow and flutter: Below measurable limit

MD deck section

System: MiniDisc digital audio system
Disc: MiniDisc
Laser: Semiconductor laser (λ = 780 nm)
Emission duration: continuous
Laser output: Less than 44.6 µW*
* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.
Laser diode properties: Material: GaAlAs
Revolutions (CLV): 800 rpm to 1,800 rpm
Error correction: Advanced Cross Interleave Reed Solomon Code (ACIRC)
Sampling frequency: 44.1 kHz
Coding: Adaptive Transform Acoustic Coding (ATRAC)
Modulation system: EFM (Eight-to-Fourteen Modulation)
Number of channels: 2 stereo channels
Frequency response: 5 to 20,000 Hz ±0.5 dB
Signal-to-noise ratio: Over 98 dB during playback
Wow and flutter: Below measurable limit

Inputs

<table>
<thead>
<tr>
<th>Jack type</th>
<th>Input impedance</th>
<th>Rated input</th>
<th>Minimum input</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINE (ANALOG) IN</td>
<td>Phono jacks</td>
<td>47 kilohms</td>
<td>500 mVrms</td>
</tr>
<tr>
<td>DIGITAL OPTICAL IN</td>
<td>Square optical connector jack</td>
<td>Optical wave length: 660 nm</td>
<td>—</td>
</tr>
</tbody>
</table>

Outputs

<table>
<thead>
<tr>
<th>Jack type</th>
<th>Rated output</th>
<th>Load impedance</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHONES</td>
<td>Stereo phone jack</td>
<td>10 mW</td>
</tr>
<tr>
<td>LINE (ANALOG) OUT</td>
<td>Phono jacks (at 50 kilohms)</td>
<td>2 Vrms</td>
</tr>
</tbody>
</table>
Guide to the Serial Copy Management System

This MD deck uses the Serial Copy Management System, which allows only first-generation digital copies to be made of premastered software via the deck’s digital input jack. An outline of this system appears below:

1. You can record from digital program sources (CDs, DATs or premastered MDs) onto a DAT tape or recordable MD via digital input jack on the DAT or MD deck. You cannot, however, record from this recorded DAT tape or MD onto another DAT tape or recordable MD via the digital input jack on the DAT or MD deck.

2. You can record the digital input signal of a digital satellite broadcast onto a DAT tape or recordable MD via the digital input jack on the DAT or MD deck which is capable of handling a sampling frequency of 32 kHz or 48 kHz. You can then record the contents of this recorded DAT tape or MD (first-generation) onto another DAT tape or recordable MD via digital input jack on the DAT or MD deck to create a second-generation digital copy. Subsequent recording from the second-generation copy onto another recordable DAT tape or MD is possible only through the analog input jack on the DAT or MD deck. Note, however, that on some BS/CS tuners, second-generation digital copying may not be possible.

(Continued)
You can record a DAT tape or MD recorded via the DAT or MD deck’s analog input jack onto another DAT tape or MD via the DAT or MD deck’s digital output jack. You cannot, however, make a second-generation DAT tape or MD copy via the DAT or MD deck’s digital output jack.

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### Table of Setup Menus

You can make various settings on this deck by using Setup Menus. Operation related to each menu were explained in the previous sections. The table below outlines each menu, including the various parameters and initial settings.

**Note**
The menus you can use while the deck is stopped, playing or recording differ.

**To enter the Setup Menu**
While the deck is stopped, press MENU/NO twice to display “Setup Menu.”

<table>
<thead>
<tr>
<th>Menu</th>
<th>Function</th>
<th>Parameters</th>
<th>Initial setting</th>
<th>See</th>
</tr>
</thead>
<tbody>
<tr>
<td>T.Mark</td>
<td>Sets the Track Marking Function.</td>
<td>LSyn/Off</td>
<td>LSyn</td>
<td>page 22</td>
</tr>
<tr>
<td>S.Space</td>
<td>Sets the Smart Space and Auto Cut Functions.</td>
<td>On/Off</td>
<td>On</td>
<td>pages 18 and 19</td>
</tr>
<tr>
<td>F.in</td>
<td>Sets the fade-in time.</td>
<td>1.0s to 15.0s</td>
<td>5.0s</td>
<td>page 25</td>
</tr>
<tr>
<td>F.out</td>
<td>Sets the fade-out time.</td>
<td>1.0s to 15.0s</td>
<td>5.0s</td>
<td>page 25</td>
</tr>
<tr>
<td>Pitch</td>
<td>Sets the pitch during MD playback.</td>
<td>–98.5% to +12.5%</td>
<td>0.0%</td>
<td>page 16</td>
</tr>
<tr>
<td>Sleep</td>
<td>Sets the Sleep Timer Function.</td>
<td>120/90/60/30/Off</td>
<td>Off</td>
<td>page 16</td>
</tr>
<tr>
<td>Rec</td>
<td>Sets the recording mode.</td>
<td>Stereo/Mono</td>
<td>Stereo</td>
<td>page 20</td>
</tr>
<tr>
<td>CD</td>
<td>Adjusts the input level from the CD player section.</td>
<td>–∞dB to +12.0dB</td>
<td>0.0dB</td>
<td>page 20</td>
</tr>
<tr>
<td>Opt</td>
<td>Adjusts the input level from the DIGITAL OPTICAL IN connector.</td>
<td>–∞dB to +12.0dB</td>
<td>0.0dB</td>
<td>page 20</td>
</tr>
<tr>
<td>Ain</td>
<td>Adjusts the input level from the LINE (ANALOG) IN jacks.</td>
<td>–∞dB to +12.0dB</td>
<td>0.0dB</td>
<td>page 20</td>
</tr>
<tr>
<td>Aout</td>
<td>Adjusts the output level from the LINE (ANALOG) OUT jacks.</td>
<td>–20.2dB to 0.0dB</td>
<td>0.0dB</td>
<td>page 13</td>
</tr>
</tbody>
</table>

**To reset to the initial setting**
Press CLEAR while the respective Setup Menu is displayed.
Self-Diagnosis Function

The deck has a self-diagnosis display. This function shows a three-digit display (a combination of a letter and figures) and the corresponding message, so you can check the deck’s condition. If such a display appears, check the following table in order to resolve the problem. Should any problem persist, consult your nearest Sony dealer.

<table>
<thead>
<tr>
<th>Three-digit display/Message</th>
<th>Cause/Remedy</th>
</tr>
</thead>
</table>
| C11/Protected!!             | The inserted MD is record-protected.  
|                             | ➤ Take out the MD, and close the record-protect tab (page 9). |
| C12/Cannot Copy             | An attempt was made to play a disc that is not compatible with this deck (CD-ROM, MD data disc, etc.).  
|                             | ➤ Replace the disc. |
| C13/REC Error!!             | The recording was not made properly.  
|                             | ➤ Set the deck in a stable place, and repeat the recording procedure.  
|                             | The inserted MD is dirty (with smudges, fingerprints, etc.), scratched, or not up to standards.  
|                             | ➤ Replace the disc, and repeat the recording procedure. |
| C13/Disc Error!!            | The deck could not read the TOC of the MD properly.  
|                             | ➤ Take out the MD, and insert it again. |
| C13/Read Error              | The deck could not read the TOC of the MD properly.  
|                             | ➤ Eject the disc, then insert it again. |
| C14/TOC Error!!             | The deck could not read the TOC of the MD properly.  
|                             | ➤ Insert another disc.  
|                             | ➤ If possible, erase all tracks on the MD using the All Erase Function on page 27. |
| C41/Cannot Copy             | The digitally dubbed material cannot be recorded digitally (page 39). |
| C71/Din Unlock (“C71” alternates with “Din Unlock” in the display.) | A moment’s lighting is due to the signals of the digital program being recorded.  
|                             | This does not affect the recorded material.  
|                             | While recording from a digital component connected through the DIGITAL OPTICAL IN connector, the digital connecting cable was unplugged or the digital component turned off.  
|                             | ➤ Connect the cable or turn the digital component back on. |

Notes on CDs

On handling CDs
- To keep the disc clean, hold it along its edges only.  
  Do not leave fingerprints on the surface.  
- Do not stick adhesive papers or tapes onto the disc.  

- Only regular circular discs can be used in this deck.  
  Irregularly shaped discs, such as star- or heart-shaped discs, may damage the deck.  
- If there is glue or a similar substance on the disc, remove it completely before using the disc.

On storage
- Do not expose the disc to direct sunlight, heat sources, or high humidity.  
- Store discs in their cases. Do not store discs either stacked horizontally or standing vertically without their cases.

On cleaning
- Fingerprints or dust on the CD may cause poor sound reproduction or sound dropout.  
- Before playing a disc, clean it with a cleaning cloth. Wipe the disc from the center out.  
- If the disc is still dirty after being wiped with a cleaning cloth, wipe it again with a slightly moistened cloth. Then wipe off the residual moisture with a dry cloth.  
- Do not use solvents such as benzene, thinner, commercially available cleaners or antistatic spray intended for vinyl LPs.

Note on High-Speed CD Synchro-Recording

Certain CD conditions may cause sound dropout or noise in the recording results, or even create unwanted tracks on the MD. If this happens, clean the CD as instructed on “On cleaning” above, and record material to the MD using normal-speed CD Synchro-Recording only.