**SONY**

3-251-042-**11** (1)

*FM/AM Compact Disc Player*

# *FM/AM Compact Disc Player*

| Operating Instructions | **US** |
| Mode d'emploi | **FR** |
| Manual de instrucciones | **ES** |

## Owner's Record

The model and serial numbers are located on the bottom of the unit.
Record these numbers in the space provided below.
Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. CDX-M3DI  Serial No. _____

For installation and connections, see the supplied installation/connections manual.
En ce qui concerne l'installation et les connexions, consulter le manuel d'installation/connexions fourni.
Para obtener información sobre la instalación y las conexiones, consulte el manual de instalación/conexiones suministrado.

COMPACT
disc
DIGITAL AUDIO
TEXT

## *CDX-M3DI*

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# Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

### CAUTION

The use of optical instruments with this product will increase eye hazard.

# Welcome !

Thank you for purchasing this Sony Compact Disc Player.

FEATURING:
• MP3 file playback recorded on a disc is possible.
• CD-R/CD-RW which can have a session added can be played (page 7).
• Discs recorded in Multi Session (CD-Extra, Mixed CD, etc.) can be played, depending on the recording method (page 7).
• Optional CD/MD units (both changers and players)*1.
• ID3 tag*2 version 1 information (displayed when an MP3 file is played).
• CD TEXT information (displayed when a CD TEXT disc*3 is played).
• **Supplied controller accessory**
  Card remote commander RM-X131
• **Optional controller accessory**
  Wireless rotary commander RM-X6S

*1 *This unit works with Sony products only.*
*2 *ID3 tag is an MP3 file that contains information about album name, artist name, track name, etc.*
*3 *A CD TEXT disc is an audio CD that includes information such as the disc name, artist name, and track names. This information is recorded on the disc.*

This manual explains how to operate the supplied card remote commander.

Illustrations in this manual may differ from the actual device.



The "XM Ready" logo indicates that this product will control a Sony XM tuner module (sold separately).
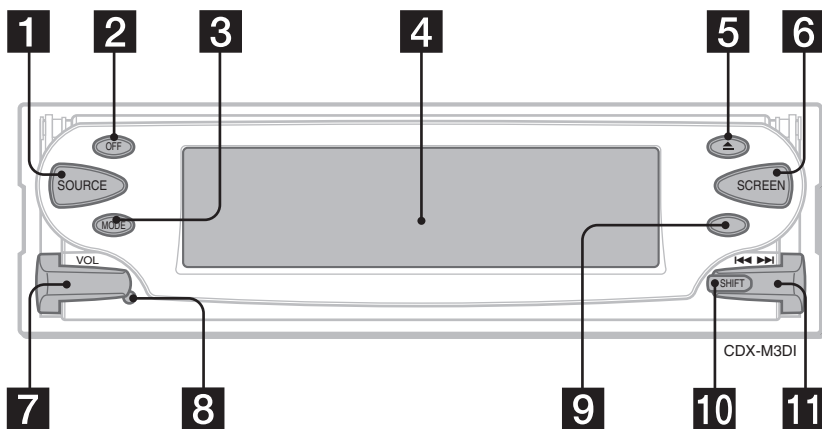Please see your nearest authorized Sony dealer for details on the XM tuner module.
For instructions on XM tuner operation, please refer to the XM tuner module's included instruction manual.

# Table of Contents

# Location of controls



CDX-M3DI

Refer to the pages listed for details.

a **SOURCE (Power on/Radio/CD/MD/ AUX**\*1**) button**
To select the source.

b **OFF (Stop/Power off) button**\*2  11, 29

c **MODE button**
To change the operation.

d **Display window**

e **⏏ (eject) button**
To eject a disc, if a disc is already in the unit.
To open/close the front panel.

f **SCREEN button**
To select the display mode.

g **VOL (volume) control lever**
To turn up or down the volume by pressing up or down the VOL lever

h **Reset button**  10

i **Receptor for the card remote commander and wireless rotary commander**

j **SHIFT (switching shift 1-3) button**
To change the function of the ⏮ ⏭ lever (k).

k **⏮ ⏭ lever**
To select the desired radio station, the desired item to be adjusted, or the desired image by pressing up or down the ⏮ ⏭ lever.
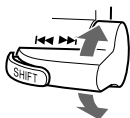
**Press up**

**Press down**

\*1 When an optional CD/MD unit is connected, "AUX" is not displayed.

\*2 **Warning**
**when installing in a car without an ACC (accessory) position on the ignition switch**
After turning off the ignition, be sure to press and hold (OFF) on the unit until the display disappears.
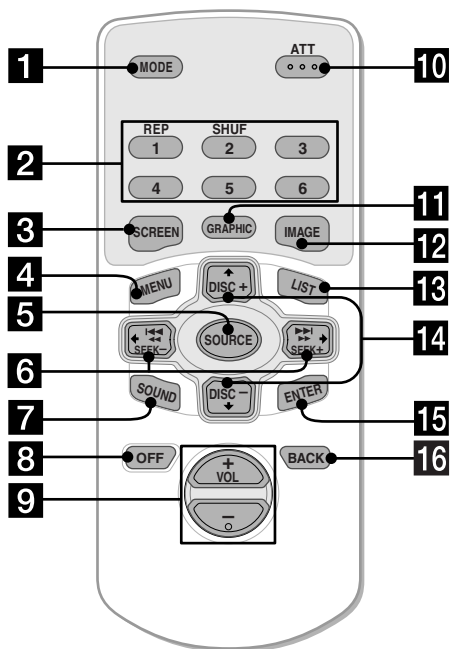Otherwise, the display does not turn off and this causes battery drain.

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*Card remote commander RM-X131*

**The corresponding buttons of the card remote commander control the same functions as those on this unit.**
Instructions in this manual describe how to use the unit by mainly using the card remote commander.
Refer to the pages listed for details.

a **MODE button**
b **Number buttons**
  ① **REP** 13
  ② **SHUF** 13
  To store stations, receive stored stations.
c **SCREEN button**
d **MENU button**
  To display the general menus.
e **SOURCE button**
f **←/→ (SEEK –/+) buttons**
g **SOUND button**
  To display the sound menus.
h **OFF button**
i **VOL (+/–) buttons**
j **ATT button** 24
k **GRAPHIC button**
  To display the graphic menus.
l **IMAGE button**
  To switch the display patterns.
m **LIST button** 15,
n **↑/↓ (DISC +/–) buttons**
o **ENTER button**
  To enter a setting.
p **BACK button**
  In a setting, to return to a previous operation.

*Note*
*If the display disappears by pressing (OFF), it cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed, or a disc is inserted to activate the unit first.*

*Tip*
*See "Replacing the lithium battery" on page 30 for details on how to replace the batteries.*

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# Precautions

- If your car was parked in direct sunlight, allow the unit to cool off before operating it.
- Power antennas will extend automatically while the unit is operating.
- Do not use the CUSTOM FILE feature while driving, or perform any other function which could divert your attention from the road.
- Do not drop water or foreign objects on the disc tray as a fire or malfunction can occur.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

## Moisture condensation

On a rainy day or in a very damp area, moisture condensation may occur inside the lenses and display of the unit. Should this occur, the unit will not operate properly. In such a case, remove the disc and wait for about an hour until the moisture has evaporated.

## To maintain high sound quality

Be careful not to splash juice or other soft drinks onto the unit or discs.
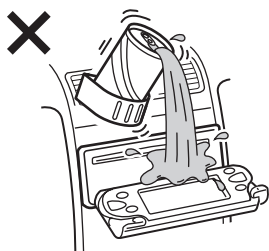
## Notes on CD lens

- Do not touch the lens in the disc tray.
- Do not use a commercially available lens cleaner.

## Notes on LCD display

- Do not push the LCD display strongly. It may cause injury or damage the display.
- Bright points of light (red, blue, or green) or black dots may appear on the LCD display. This is not a malfunction. The LCD is made with high-precision technology and more than 99.99 % of the picture element is intact. However, tiny elements of the picture may show the above symptoms.

# Notes on discs

- To keep discs clean, do not touch the surface. Handle a disc by its edge.
- Keep your discs in their cases or disc magazines when not in use.
  Do not subject the discs to heat/high temperature. Avoid leaving them in parked cars or on dashboards/rear trays.
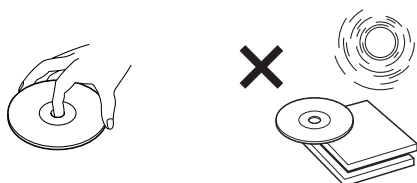
- Do not attach labels, or use discs with sticky ink/residue. Such discs may stop spinning when used, causing a malfunction, or may ruin the disc.
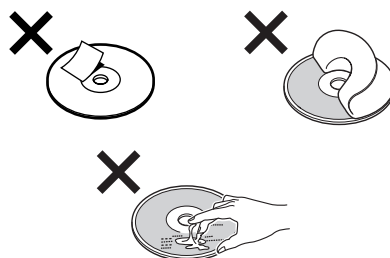
- Do not use any discs with labels or stickers attached as this may cause inability to read audio data correctly (e.g., playback skipping, or no playback) due to heat shrinking of a sticker or label causing a disc to warp.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.
- Before playing, clean discs with a commercially available cleaning cloth. Wipe each disc from the center out. Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray intended for analog discs.

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### Notes on CD-Rs (recordable CDs)/CD-RWs (rewritable CDs)

This unit can play the following discs:

| Type of discs | Label on the disc |
|---|---|
| **Audio CD** | COMPACT disc DIGITAL AUDIO Recordable / COMPACT disc DIGITAL AUDIO ReWritable |
| **MP3 files** | COMPACT disc DIGITAL AUDIO Recordable / COMPACT disc DIGITAL AUDIO ReWritable / COMPACT disc Recordable / COMPACT disc ReWritable |

- Some CD-Rs/CD-RWs (depending on the equipment used for its recording or the condition of the disc) may not play on this unit.
- You cannot play a CD-R/CD-RW that is not finalized*.
- You can play MP3 files recorded on CD-ROMs, CD-Rs, and CD-RWs.
- A CD-R/CD-RW to which a session can be added can be played.

* A process necessary for a recorded CD-R/CD-RW disc to be played on the audio CD player.

# About MP3 files

MP3 (MPEG 1 Audio Layer-3) is a standard technology and format for compressing a sound sequence. The file is compressed to about 1/10 of its original size. Sounds outside the range of human hearing are compressed while the sounds we can hear are not compressed.

## Notes on discs

You can play MP3 files recorded on CD-ROMs, CD-Rs, and CD-RWs.
The disc must be in the ISO 9660*1 level 1 or level 2 format, or Joliet or Romeo in the expansion format.
You can use a disc recorded in Multi Session*2.

*1 **ISO 9660 Format**
The most common international standard for the logical format of files and folders on a CD-ROM.
There are several specification levels. In Level 1, file names must be in the 8.3 format (no more than 8 characters in the name, no more than 3 characters in the extension ".MP3") and in capital letters. Folder names can be no longer than 8 characters. There can be no more than 8 nested folder levels. Level 2 specifications allow file names up to 31 characters long.
Each folder can have up to 8 trees.
For Joliet or Romeo in the expansion format, make sure of the contents of the writing software, etc.

*2 **Multi Session**
This is a recording method that enables adding of data using the Track-At-Once method. Conventional CDs begin at a CD control area called the Lead-in and end at an area called Lead-out. A Multi Session CD is a CD having multiple sessions, with each segment from Lead-in to Lead-out regarded as a single session.
CD-Extra: The format which records audio (audio CD data) as tracks on session 1, and records data as tracks on session 2.
Mixed CD: In this format, data is recorded as track 1, and audio (audio CD data) is recorded as track 2.
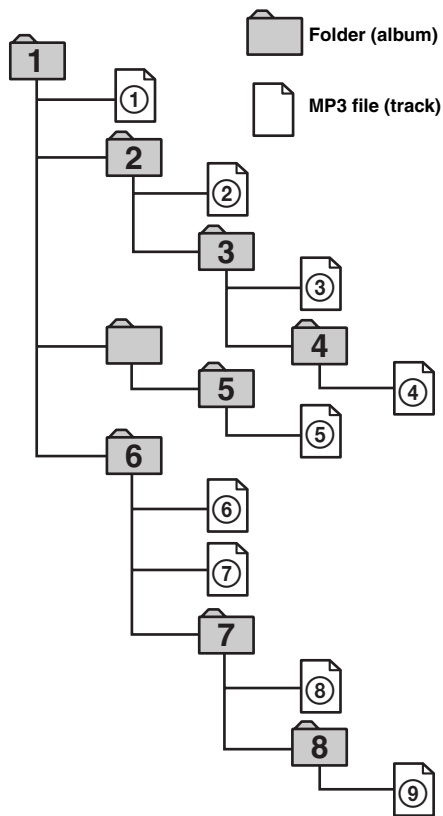
*Notes*
- *With formats other than ISO 9660 level 1 and level 2, folder names or file names may not be displayed correctly.*
- *When naming, be sure to add the file extension ".MP3" to the file name.*
- *If you put the extension ".MP3" to a file other than MP3, the unit cannot recognize the file properly and will generate random noise that could damage your speakers.*
- *The following discs take a longer time to start playback.*
  - *a disc recorded with complicated tree structure.*
  - *a disc recorded in Multi Session.*
  - *a disc to which data can be added.*

*Cautions when playing a disc that is recorded in Multi Session*
- *When the first track of the first session is audio CD data:*
  *Only audio CD data is played back.*
  *Non-audio CD data/MP3 file information (track number, time, etc.) is displayed with no sound.*
- *When the first track of the first session is not audio CD data:*
  - *If an MP3 file is in the disc, only MP3 file(s) play back and other data is skipped. (Audio CD data is not recognized.)*
  - *If no MP3 file is in the disc, "NO Music" is displayed and nothing is played back. (Audio CD data is not recognized.)*

## The playback order of the MP3 files

The playback order of the folders and files is as follows:



Tree 1 (root)    Tree 2    Tree 3    Tree 4    Tree 5

*Notes*
- *A folder that does not include an MP3 file is skipped.*
- *Maximum folder number: 255 (including root folder and empty folders)*
- *The maximum number of MP3 files and folders that can be contained in a disc: 512*
  *When a file/folder name contains many characters, this number may become less than 512.*
- *The maximum number of trees which can be played: 8.*

*Tip*
*To specify a desired playback order, before the folder or file name, input the order by number (e.g., "01," "02"), then record contents onto a disc. (The order differs depending on the writing software.)*
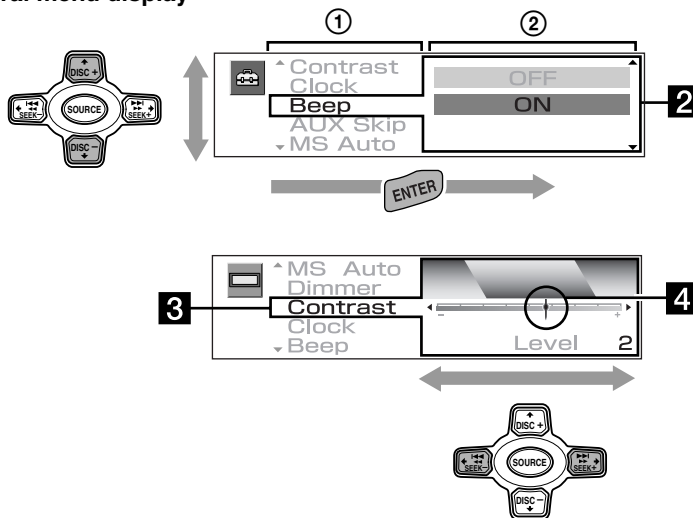
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# General top menu display

Press (MENU) to enter the general top menus, then select the category of menu. In the general menu display you can select various settings. To select, press (ENTER). To return to a previous operation, press (BACK). To complete the setting and return to the normal display, press (MENU).

**General top menu display**
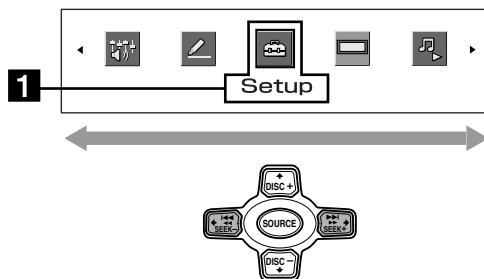


**General menu display**



## Icons and the contents of settings

**Setup**
Basic settings

**Display**
Display setting

**PlayMode**
Settings for playback and radio reception

**Edit**
Display character setting

**SoundTuning**
Precise settings for sound quality

**1** **Selected category menu**
Example: Setup
**2** **Selected item and setting**
Example: Beep ON

*Note*
*To move ① to ②, press (ENTER).*

**3** **Selected item and setting**
Example: Contrast Level 2
**4** **The light moves as the level changes**

*Note*
*The displayed item will differ depending on the source.*

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# Getting Started

## Resetting the unit

Before operating the unit for the first time, or after replacing the car battery or changing the connections, you must reset the unit.
Press the reset button with a pointed object, such as a ball-point pen.
After the reset is complete, the pre-stored images are displayed. Press (IMAGE) on the card remote commander to show the clock display and set the clock and calendar.

**Reset button**

*Notes*
- *Pressing the reset button will erase the clock/ calendar setting and some stored contents.*
- *The unit starts to perform initial setting for 10 seconds after you press the reset button. During this, do not insert a disc, otherwise the unit may not be reset. Should this occur, press the reset button again.*
- *The unit makes some noise during the initial settings, this is not a malfunction.*

## Setting the clock and the calendar

The clock uses a 12-hour digital indication (Month/Day/Year  Time).
The factory setting is "01/01/2003 01:00AM."

**1** **Press (MENU).**

**2** **Press ← or → repeatedly to select "Setup."**

Setup

**3** **Press (ENTER).**

**4** **Press ↑ or ↓ repeatedly to select "Clock."**

**5** **Press (ENTER).**

Dimmer
Contrast
**Clock**    01 01 2002 01 :00 AM
Beep         01
AUX Skip

❶**Press ↑ or ↓ repeatedly to set the month.**
Each time you press ↑, the number of the month increases.
Each time you press ↓, the number of the month decreases.

❷**Press → to move to the day, then press ↑ or ↓ repeatedly to set the day.**

❸**Repeat step ❷ to set the year, the hour, and the minute.**

**6** **Press (ENTER).**
The settings for clock and calendar are stored, and the display returns to the normal display.

*Note*
*If your car has no ACC position, turn on the power of this unit first, then set the clock and the calendar.*

*Tips*
- *"AM" or "PM" toggles automatically depending on your time setting.*
- *You can set the year from 2000 to 2099.*

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# CD Player
# CD/MD Unit (optional)

In addition to playing a CD with this unit, you can also control external CD/MD units.

**Note**
*If you connect an optional CD unit with the CD TEXT function, the CD TEXT information will appear in the display when you play a CD TEXT disc.*
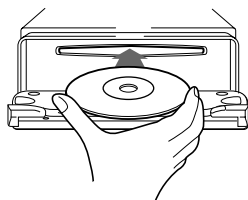
**⬚ : Operation by this unit**

**⬚ : Operation by card remote commander**

## Playing a disc

### (With this unit)

**Press ⏏ to open the front panel and insert the disc (labeled side up).**

The front panel closes and playback starts automatically.

If a disc is already inserted, press (SOURCE) repeatedly until "  (CD icon)"or "CD" appears in the display, and playback starts.

**Note**
*The front panel closes automatically after the caution alarm beeps.*

⬚

| To | Press |
|---|---|
| Stop playback | (OFF) |
| Eject the disc | ⏏ |
| Skip tracks<br>– Automatic Music Sensor | ◄◄ ►►◄ lever up/down [once for each track] |
| Fast-forward/reverse<br>– Manual Search | ◄◄ ►►◄ lever up/down [hold until the desired point] |
| Skip albums*<br>– Album selection | (SHIFT), then ◄◄ ►►◄ lever up/down [once for each album] |

⬚

| To | Press |
|---|---|
| Stop playback | (OFF) |
| Skip tracks<br>– Automatic Music Sensor | ←/→ (◄◄ /►►◄)<br>[once for each track] |
| Fast-forward/reverse<br>– Manual Search | ←/→ (◄◄ /►►)<br>[hold until the desired point] |
| Skip albums*<br>– Album selection | ↑/↓ (+/–)<br>[once for each album] |

\* *Available only when an MP3 file is played.*

**Notes**
- *There is a delay for a few seconds after pressing ⏏ before the disc is ejected, while the data in the disc is being read.*
- *If you press ⏏ to close the front panel without a CD in the unit, the unit will make some noise. This is not a malfunction.*
- *If you press ⏏ on the front panel to eject a disc and leave it in the slot, the disc protective function will work. The ejected disc will be automatically pulled in the slot 15 seconds after being ejected.*
- *Do not apply excessive pressure to the front panel (especially when it is open), as this may cause a malfunction.*
- *Depending on the recording method used on the disc, it may take a minute or more before playing the first track.*
- *Depending on the condition of the disc, it may not play back (page 6, 7).*
- *While the first/last track on the disc is playing, if ↓ or ↑ is pressed, playback skips to the last/first track of the disc.*
- *When the last track on the disc has finished, playback restarts from the first track of the disc.*
- *With the optional unit connected, playback of the same source will continue on to the optional CD/MD unit.*

### (With optional unit)

**1 Press (SOURCE) repeatedly until "  (CD icon)," "CD," "  (MD icon)," "MD" ,or "MS*" appears.**

**2 Press (MODE) repeatedly until the desired unit appears.**
Playback starts.

\* *MS: MG Memory Stick System-up Player MGS-X1.*

### Locating a track and disc
See "Locating a track/disc by name" on page 15.

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# Display items

When the disc/album*¹/track changes, any prerecorded title of the new disc/album/track is automatically displayed. If "AutoScroll" is set to "ON," names will be scrolled (page 25).

## CD/MD

### Standard mode:
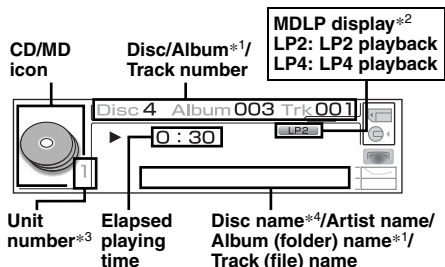
CD/MD icon

Disc/Album*¹/ Track number

**MDLP display**\*² **LP2:** LP2 playback **LP4:** LP4 playback

Disc 4  Album 003  Trk 001

▶ 0 : 30    LP2

Unit number*³

Elapsed playing time

Disc name\*⁴/Artist name/ Album (folder) name\*¹/ Track (file) name

### Spectrum analyzer mode/Panorama/Wall paper mode/Screen saver mode/Slide show mode:

Source

Disc/Album*¹/ Track number

Elapsed playing time

CD  Disc 4  Album 003  Trk 001 ▶ 0:30

Disc name\*⁴/Artist name/ Album (folder) name\*¹/ Track (file) name\*¹

### Clock mode:

Source

Disc/Album*¹/ Track number

Elapsed playing time

CD  Disc 4  Album 003  Trk 001 ▶ 0:30

10 : 08ᴀᴍ
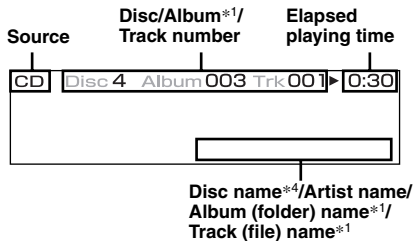
Clock
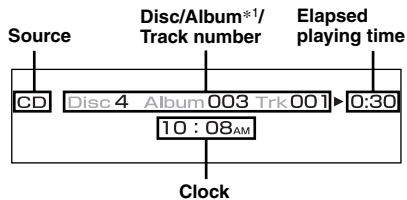
*1 *Available only when an MP3 file is played.*
*2 *Available only when an optional MD unit with the MDLP function is connected, and an MDLP disc is played.*
*3 *Available only when an optional CD/MD unit is connected.*
*4 *If the disc has been labeled by this unit using the CUSTOM FILE function, Disc Memo is displayed accordingly.*

*Notes*
• *Some characters cannot be displayed.*
• *For some CD TEXT discs with very many characters, some characters may not be displayed nor scroll.*
• *This unit cannot display the artist name for each track of a CD TEXT disc.*

*Notes on MP3*
• *When playing MP3 with ID3 tag, ID3 tag (artist name/album name/track name) is displayed.*
• *ID3 tag applies only to version 1.*
• *The ID3 tag character codes comply with ASCII and ISO 8859-1 standards. Joliet format discs can only be displayed in ASCII. Incompatible characters will be displayed as " *."*
• *In the following cases, elapsed playing time may not be displayed accurately.*
  – *when an MP3 file of VBR (variable bit rate) is played.*
  – *during fast-forward/reverse.*

*Tip*
*When "AutoScroll" is set to "OFF" and the disc/album/ track name is changed, the disc/album/track name does not scroll.*

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# Playing tracks repeatedly

## — Repeat Play

The disc in the main unit will repeat a track, the entire album, or the entire disc when it reaches the end. For repeat play, you can select:

### CD/MD
- $\boxed{\text{REP} \, \texttt{♪}}$ — to repeat a track.
- $\boxed{\text{REP} \, \odot}$ *1 — to repeat an album.
- $\boxed{\text{REP} \, \ominus}$ *2 — to repeat a disc.

*1 *Available only for MP3 files.*
*2 *Available only when one or more optional CD/MD units are connected.*

**During playback, press ① (REP) repeatedly until the desired setting appears in the display.**
Repeat Play starts.

In a display mode other than the Standard mode, the icon will disappear a short time after you adjust the setting.

To return to normal play mode, press ① (REP) repeatedly until the icon disappears from the display.

# Playing tracks in random order

## — Shuffle Play

You can select:
- $\boxed{\text{SHUF} \, \odot}$ *1 — to play the tracks in the current album in random order.
- $\boxed{\text{SHUF} \, \ominus}$ — to play the tracks on the current disc in random order.
- $\boxed{\text{SHUF} \, \copyright}$ *2 — to play the tracks in the current optional CD (MD) unit in random order.
- $\boxed{\text{SHUF All}}$ *3 — to play all the tracks in all the connected CD (MD) units (including this unit) in random order.

*1 *Available only for MP3 files.*
*2 *Available only when one or more optional CD (MD) units are connected.*
*3 *Available only when one or more optional CD units, or two or more optional MD units are connected.*

**During playback, press ② (SHUF) repeatedly until the desired setting appears in the display.**
Shuffle Play starts.

In a display mode other than the Standard mode, the icon will disappear a short time after you adjust the setting.

To return to normal play mode, press ② (SHUF) repeatedly until the icon disappears from the display.

**Note**
" $\boxed{\text{SHUF All}}$ " *will not shuffle tracks between CD units and MD units.*

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# Labeling a CD

## — Disc Memo (With an optional CD unit with the CUSTOM FILE function)

You can label each disc with a custom name (Disc Memo). You can enter up to 8 characters for a disc. If you label a CD, you can locate the disc by name (page 15).
As a display item, the Disc Memo always takes priority over any original CD TEXT information.

### Caution

Do not use the CUSTOM FILE feature while driving, or perform any other function which could divert your attention from the road.

**1** **Start playing a disc you want to label.**

**2** **Press (MENU).**

**3** **Press ← or → repeatedly to select "Edit."**

**4** **Press (ENTER).**

**5** **Press ↑ or ↓ to select "Name Edit."**

**6** **Press (ENTER).**



The unit will repeat the disc during the labeling procedure.

**7** **Enter the characters.**

❶**Press ↑\* repeatedly to select the desired character.**

$A \to B \to C ... \to 0 \to 1 \to 2 ... \to + \to - \to ✳ ... \to$ **(blank space)** $\to A$

*For reverse order, press ↓.

❷**Press → after locating the desired character.**



If you press ←, you can move back to the left.

❸**Repeat steps ❶ and ❷ to enter the entire name.**

**8** **Press (ENTER).**
The display returns to the top menu display.

**9** **Press (MENU).**
The display returns to the normal display.

*Tips*
- *Simply overwrite or enter a blank space to correct or erase a name.*
- *You can label CDs on a unit without the CUSTOM FILE function if that unit is connected along with a CD unit that has the function. The Disc Memo will be stored in the memory of the CD unit with the CUSTOM FILE function.*

*Note*
*Repeat/shuffle play is suspended until the Name Edit is complete.*

### Erasing the Disc Memo

**1** **Press (SOURCE) repeatedly to select "CD."**

**2** **Press (MODE) repeatedly to select the CD unit with the CUSTOM FILE function.**

**3** **Press (MENU).**

**4** **Press ← or → repeatedly to select "Edit."**

**5** **Press (ENTER).**

**6** **Press ↑ or ↓ to select "Name Del."**

**7** **Press (ENTER).**
The stored names will appear.



**8** **Press ↑ or ↓ repeatedly to select the disc name you want to erase.**

**9** **Press (ENTER) for 2 seconds.**
The name is erased.
Repeat steps 8 and 9 if you want to erase other names.

**10** **Press (MENU).**
The display returns to the normal display.

*Notes*
- *When the Disc Memo for a CD TEXT disc is erased, the original CD TEXT information is displayed.*
- *If you cannot find the Disc Memo you want to erase, try selecting a different CD unit in step 2.*

*Tips*
- *In step 7, if there is no Disc Memo, the display will return to the normal display automatically.*
- *If all the Disc Memo is deleted in step 9, the display will return to the normal display automatically.*

**14**

# Locating a track/disc by name

## — List-up

### (With an optional CD unit with the CD TEXT/CUSTOM FILE function, or an MD unit)

You can use this function for discs that have been assigned custom names*1 or for CD TEXT discs*2.

**1** **Press (LIST).**
The assigned disc name appears in the display.
Example: TrackList

| | ♪ 001 Symphony 1 |
|---|---|
| TrackList | ♪ 002 Symphony 2 |
| | ♪ 003 Symphony 3 |
| | ♪ 004 Symphony 4 |
| | ♪ 005 Symphony 5 |
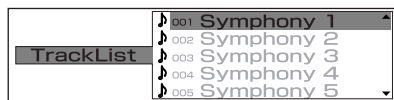
**2** **Press ↑ or ↓ repeatedly to select the desired track*3/disc.**

**3** **Press (ENTER).**

*1 *Locating a disc by its custom name: when you assign a name for a CD (page 14) or an MD.*
*2 *Locating discs by the CD TEXT information: when you play a CD TEXT disc on a CD unit with the CD TEXT function.*

*Note*
*In the case of CD TEXT discs and MDs, some letters cannot be displayed.*

*Tip*
*To stop selecting and return to the normal display, press (LIST).*

# Radio

The unit can store up to 6 stations per band (FM1, FM2, FM3, AM1, and AM2).

**Caution**
When tuning in stations while driving, use Best Tuning Memory to prevent accidents.

# Storing stations automatically

## — Best Tuning Memory (BTM)

The unit selects the stations with the strongest signals within the selected band, and stores them in the order of their frequency.

**1** **Press (SOURCE) repeatedly until "⍨ (tuner icon)" or the band appears.**

**2** **Press (MODE) repeatedly to select the band.**

**3** **Press (MENU).**

**4** **Press ← or → repeatedly to select "Edit."**

**5** **Press (ENTER).**

**6** **Press ↑ or ↓ repeatedly to select "BTM."**

| 🖉 | ▲ Name Edit | |
|---|---|---|
| | Name Del | |
| | BTM | Start |
| | Clock | |
| | ▼ Beep | ENTER |

**7** **Press (ENTER).**
The stations with the strongest signals within the selected band are stored in order of frequency in the memory. To cancel storing, press (ENTER) while storing the stations.

**8** **Press (MENU).**
The display returns to the normal display.

*Notes*
• *If only a few stations can be received due to weak signals, some stored preset numbers will retain their former settings.*
• *When a preset number is indicated in the display, the unit starts storing stations from the one currently displayed.*

**15**

# Display items

**Standard mode**:
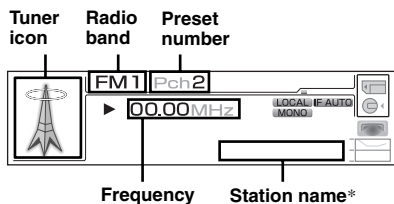
Tuner icon  Radio band  Preset number



Frequency    Station name*

**Spectrum analyzer mode/Panorama/Wall paper mode/Screen saver mode/Slide show mode:**

Radio band  Preset number  Frequency



Station name*

**Clock mode:**

Radio band  Preset number  Frequency
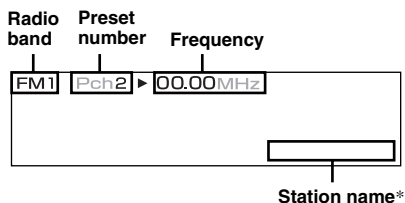


Clock
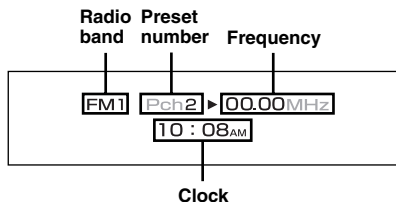
\* This is displayed only when the station name has been assigned. See "Storing station names" on page 17.

# Receiving the stored stations

**1 Press (SOURCE) repeatedly to select the radio.**

**2 Press (MODE) repeatedly to select the band.**

**3 Press the number button (① to ⑥) on which the desired station is stored.**

*Tip*
*Press ↑ or ↓ to receive the stations in the order they are stored in the memory (Preset Search function).*

## If preset tuning does not work

**Press ← (SEEK –) or → (SEEK +) to search for the station (automatic tuning).**
Scanning stops when the unit receives a station. Repeat until the desired station is received.

*Tips*
- *If automatic tuning stops too frequently, turn on the Local Seek to limit seek to stations with stronger signals (see "Changing the sound and display settings" on page 25).*
- *If you know the frequency of the station you want to listen to, press and hold ← or → to locate the approximate frequency, then press the ← or → repeatedly to fine adjust to the desired frequency (manual tuning).*

## If FM stereo reception is poor

**Select monaural reception mode**
(see "Changing the sound and display settings" on page 25).
The sound improves, but becomes monaural ("STEREO" disappears).

*Note*
*If interference occurs, this unit will automatically narrow the reception frequency to eliminate noise (IF Auto function). In such cases, some FM stereo broadcasts may become monaural while in the stereo reception mode.*

*Tips*
- *To always hear FM stereo broadcasts in stereo, you can change the IF Auto setting and widen the frequency signal reception (see "Changing the sound and display settings" on page 25). Note that some interference may occur in this setting.*
- *If FM broadcasts are difficult to hear, set "DSO" to "OFF" (page 26).*

**16**

# Storing only desired stations

You can manually preset desired stations.

**1** **Press (SOURCE) repeatedly to select the radio.**

**2** **Press (MODE) repeatedly to select the band.**

**3** **Press ← (SEEK –) or → (SEEK +) to tune in the station that you want to store.**

**4** **Press the desired number button (①) to (⑥) for 2 seconds until "Memory" appears.**
The number of the button you pressed is displayed, and then the selected station is assigned to this number and stored.

*Note*
*If you try to store another station on the same stored number, the previously stored station will be erased.*

# Storing station names
### — Station Memo

You can assign a name to each radio station and store it in memory. The name of the station currently tuned in appears in the display. You can assign a name using up to 8 characters for a station.

**Storing the station names**

**1** **Tune in a station whose name you want to store.**

**2** **Press (MENU).**

**3** **Press ← or → repeatedly to select "Edit."**

**4** **Press (ENTER).**

**5** **Press ↑ or ↓ repeatedly to select "Name Edit."**

**6** **Press (ENTER).**



**7** **Enter the characters.**

❶ **Press ↑\* repeatedly to select the desired character.**

**A → B → C ... → 0 → 1 → 2 ... → + → − → ✳ ... → (blank space) → A**

\**For reverse order, press ↓.*

❷ **Press → after locating the desired character.**



If you press ←, you can move back to the left.

❸ **Repeat steps ❶ and ❷ to enter the entire name.**

**8** **Press (ENTER).**
The display returns to the top menu display.

**9** **Press (MENU).**
The display returns to the normal display.

**continue to next page →**

**17**

CDX-M3DI
3-251-042-**11** (1)

*Tips*
- *Simply overwrite or enter a blank space to correct or erase a name.*
- *If no memory is remaining, "MEMORY FULL" appears in the display, and you cannot assign a station name.*

### Erasing the station name

**1 During radio reception, press (MENU).**

**2 Press ← or → repeatedly to select "Edit."**

**3 Press (ENTER).**

**4 Press ↑ or ↓ repeatedly to select "Name Del."**

**5 Press (ENTER).**

```
 ✎ ▲Loudness
    Name Edit
    Name Del    WRKISS
    BTM
   ▾Clock
```

**6 Press ↑ or ↓ repeatedly to select the station whose name you want to erase.**

**7 Press (ENTER) for 2 seconds.**
The name is erased.
Repeat steps 6 to 7 if you want to erase other names.

**8 Press (MENU).**
The display returns to the normal display.

*Tips*
- *In step 5, if there is no station name, the display will return to the normal display automatically.*
- *If all station names are deleted in step 7, the display will return to the normal display automatically.*

# Tuning in a station through a list

## — List-up

**1 During radio reception, press (LIST) momentarily.**
The frequency or assigned station name appears in the display.

```
              ▲ 001   87.5MHz      ▲
              ▲ 002   95.9MHz
 PresetList   ▲ 003   97.9MHz
              ▲ 004   99.9MHz
              ▲ 005  105.9MHz      ▾
```
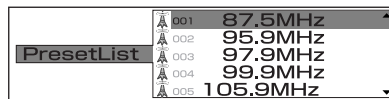
**2 Press ↑ or ↓ repeatedly to select the desired station.**
If no name is assigned to the station, only the frequency appears in the display.

**3 Press (ENTER) to tune in the desired station.**
After tuning is completed, the display returns to the normal display.

*Tip*
*To stop selecting and return to the normal display, press (LIST).*

**18**

# Image Settings

## Selecting the display mode and display pattern

You can select from 5 different display modes. You can also select various display patterns in Standard mode, Spectrum analyzer/Wall paper mode, Panorama/Wall paper mode, and Full motion mode.

### Standard mode

Displays various information such as source, track number, elapsed playing time, disc name, track name, and sound settings. You can display items such as an icon of the source on the left side of the display, spectrum analyzer or wall paper in smaller size in the center of the display.
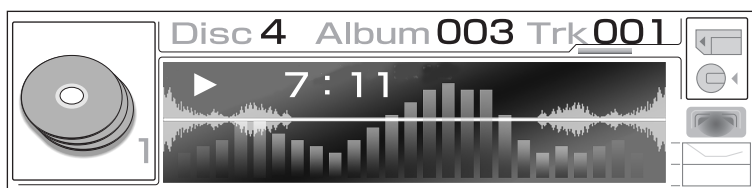


### Spectrum analyzer mode

Displays a pre-stored spectrum analyzer setting on the whole screen.
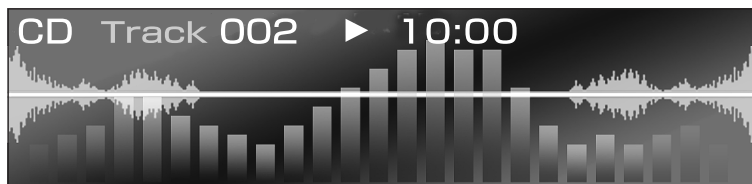


### Panorama mode

Displays pre-stored static images on the whole screen, and some of them scroll automatically.



### Full motion mode

Plays back a pre-stored animation.



**19**

**Clock mode**

Displays playback or radio reception information and clock.

CD　Disc**2** Track**003**▶ 1:15

01 : 47
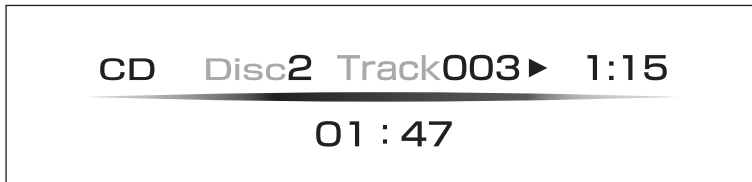
**By the card remote commander**
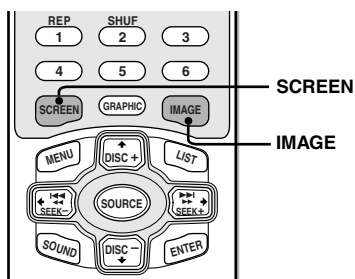
**By the unit**
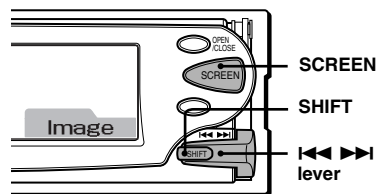
1 **During playback or radio reception, press (SCREEN) repeatedly to select the display mode.**
   Each time you press (SCREEN), the display mode changes as follows:
   **Standard mode → Spectrum analyzer mode → Panorama mode → Full motion mode → Clock mode**∗ → **Standard mode**

2 **Press (IMAGE) repeatedly to select the display pattern.**

∗ *You cannot select any display pattern in the Clock mode.*

1 **During playback or radio reception, press (SCREEN) repeatedly to select the display mode.**
   Each time you press (SCREEN), the display mode changes as follows:
   **Standard mode → Spectrum analyzer mode → Panorama mode → Full motion  mode → Clock mode**∗ → **Standard mode**

2 **Press up or down the |◀◀ ▶▶| lever while "Image" is displayed in the lower right of the display to select the display pattern.**

∗ *You cannot select any display pattern in the Clock mode.*

When switching only the display pattern, press (SHIFT) until "Image" appears on the display lower right, and press up or down the |◀◀ ▶▶| lever while "Image" is displayed. (If source is AUX, you do not need to press (SHIFT).)

**20**

# Clearing display characters automatically

### — Auto Clear (Spectrum analyzer/Panorama/Full motion mode)

You can make display characters disappear for a moment in Spectrum analyzer/Panorama/Full motion mode. When set to ON, you can display the display characters only when the disc, album, or track is changed or the source or display mode is changed. You can enjoy full images.

**1 Play or receive the source (radio, CD, MD, or AUX).**

**2 Press (GRAPHIC).**

**3 Press ← or → repeatedly to select "AutoClear."**
Each time you press ← or →, the item changes as follows:
**AutoClear ←→ BlendLevel ←→ Background ←→ Color Sel ←→ SlideShow ←→ AutoClear**

**4 Press (ENTER).**

Char Setup — Auto Clear / Blend Level

**5 Press (ENTER).**

Auto Clear — ON / OFF
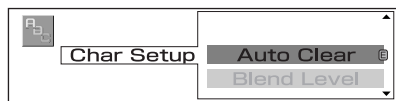
**6 Press ↑ or ↓ to select "ON."**
To cancel the Auto Clear function, select "OFF."

**7 Press (ENTER).**

**8 Press (GRAPHIC).**
The display returns to the normal display.

*Note*
*In Standard/Clock mode, you cannot make the display characters disappear automatically.*

# Changing the translucence ratio of the characters

### —Blend Level (Spectrum analyzer Panorama/Full motion mode)

You can set the translucence ratio (color density) of the characters in the Spectrum analyzer/Panorama/Full motion mode.
By setting this level down, you can adjust the characters in the display to appear opaque.

**1 Playback or receive the source (radio, CD, MD, or AUX).**

**2 Press (GRAPHIC).**

**3 Press ← or → repeatedly to select "BlendLevel."**
Each time you press ← or →, the item changes as follows:
**AutoClear ←→ BlendLevel ←→ Background ←→ Color Sel ←→ SlideShow ←→ AutoClear**

**4 Press (ENTER).**

Char Setup — Auto Clear / Blend Level

**5 Press (ENTER).**

Blend Level — Sample / Level 15

**6 Press ← or → to select the permeation ratio (Level 0-15).**
The lower the level, the paler the display characters.

**7 Press (ENTER).**

**8 Press (GRAPHIC).**
The display returns to the normal display.

*Notes*
*• In Standard/Clock mode, you cannot change the translucence ratio of the display characters.*
*• If you set "Auto Clear" to "ON" (page 21) or "Background" to "ON" (page 22), the translucence ratio of the display characters does not change.*

**21**

# Setting a background
## — Background

You can set the background for characters to look better, when characters look fading in the colorful images.

**1 Playback or receive the source (radio, CD, MD, or AUX).**

**2 Press GRAPHIC.**

**3 Press ← or → repeatedly to select "Cushion."**
Each time you press ← or →, the item changes as follows:
**AutoClear ←→ BlendLevel ←→ Background ←→ Color Sel ←→ SlideShow ←→ AutoClear**
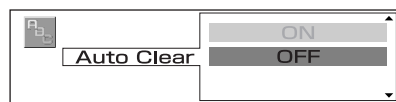
**4 Press ENTER.**

```
        Media Select
Jacket Pic  Memory Stick
            FlashMemory
```
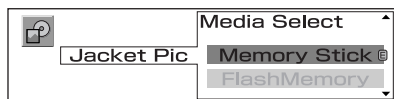
**5 Press ENTER.**
If you select "FlashMemory" in step 6, skip to step 10.

**6 Press ↑ or ↓ repeatedly to select "ON."**

**7 Press ENTER.**

**8 Press GRAPHIC.**
The display returns to the normal display.

*Note*
*While "Auto Clear" is set to "ON"(page 21), the Background function does not achieve its effect*

# Setting the character color
## — Color Sel

You can select one of 7 color settings for the character display. Besides, you can adjust and store the desired color in the unit.

**Selecting the character color**

**1 Playback or receive the source (radio, CD, MD, or AUX).**

**2 Press GRAPHIC.**

**3 Press ← or → repeatedly to select "Color Sel."**
Each time you press ← or →, the item changes as follows:
**AutoClear ←→ BlendLevel ←→ Background ←→ Color Sel ←→ SlideShow ←→ AutoClear**

**4 Press ENTER.**

**5 Press ENTER.**

**6 Press ↑ or ↓ repeatedly to select the desired character color.**
Each time you press ↑ or ↓, the character color changes.
**Blue ←→ White ←→ Green ←→ Pink ←→ Yellow ←→ Purple ←→ Black ←→ Custom ←→ Blue**

**7 Press ENTER.**

**8 Press GRAPHIC.**
The display returns to the normal display.

**22**

**Adjusting the character color**

**1** **Playback or receive the source (radio, CD, MD, or AUX).**

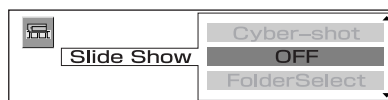**2** **Press (GRAPHIC).**

**3** **Press ← or → repeatedly to select "Color Sel."**
Each time you press ← or →, the item changes as follows:
**AutoClear ←→ BlendLevel ←→ Background ←→ Color Sel ←→ SlideShow ←→ AutoClear**

**4** **Press (ENTER).**

**5** **Press (ENTER).**

**6** **Press ↑ or ↓ to select "Custom," then press (ENTER).**

**7** **Press ↑ or ↓ repeatedly to select one among Red-Green-Blue.**
Each time you press ↑ or ↓, the item changes.

**8** **Press ← or → to adjust the level of the color.**
Repeat steps 7 and 8 to set the character display to your desired color.

**9** **Press (ENTER).**

**10** **Press ↑ or ↓ to select "Save," then press (ENTER).**
To restore the former character color, select "Cancel," then press (ENTER).
To restore the factory-set character color, select "Reset," then press (ENTER).

**11** **Press (GRAPHIC).**

# Switching images as a slide show

## — Slide Show

The pre-stored images switch in sequence automatically. You can select the display period for an image.

**1** **Playback or receive the source (radio, CD, MD, or AUX).**

**2** **Press (GRAPHIC).**

**3** **Press ← or → repeatedly to select "Slide Show."**
Each time you press ← or →, the item changes as follows:
**AutoClear ←→ BlendLevel ←→ Background ←→ Color Sel ←→ SlideShow ←→ AutoClear**

**4** **Press (ENTER).**



**5** **Press (ENTER).**

**6** **Press ↑ or ↓ repeatedly to select the display period for an image.**
Each time you press ↑ or ↓, the item changes as follows:
**Fast ←→ Middle ←→ Slow ←→ OFF ←→ Fast**
To cancel the Slide Show function, select "OFF."

**7** **Press (ENTER).**

**8** **Press (GRAPHIC).**
The display returns to the normal display.

**23**

# Other Functions

## Adjusting the sound characteristics

You can adjust the bass, treble, balance, fader, and subwoofer volume.

1 **Press (SOURCE) to select a source (radio, CD, MD, or AUX).**

2 **Press (SOUND).**

3 **Press ← or → repeatedly to select the item you want to adjust.**
Each time you press ← or →, the item changes as follows:
**DSO ←→ EQ7 ←→ Bass ←→ Treble ←→ Balance (left-right) ←→ Fader (front-rear) ←→ SubWoofer (subwoofer volume)**

4 **Press (ENTER).**

5 **Adjust the selected item by pressing ← or →.**

6 **Press (ENTER).**

## Quickly attenuating the sound

**Press (ATT).**
"ATT" appears in the display for a while.

To restore the previous volume level, press (ATT) again.

*Tip*
*When the interface cable of a car telephone is connected to the ATT lead, the unit decreases the volume automatically when a telephone call comes in (Telephone ATT function).*

# Changing the sound and display settings

## — Menu

The following items can be set:

### 🖼 Setup
- Clock (page 10)
- Beep — to turn the beeps on or off.
- AUX Skip*1 (page 29) — to turn the AUX source display on or off.
- MS Auto

### 🖥 Display
- Dimmer — to change the brightness of the display.
  – Select "AUTO" to dim the display only when you turn the lights on.
  – Select "ON" to dim the display.
  – Select "OFF" to deactivate the Dimmer.
- Contrast — to adjust the contrast if the indications on the display are not recognizable because of the unit's installation position.
- AutoScroll*2
  – Select "ON" to scroll all automatically displayed names.
  – When AutoScroll is set to "OFF" and the disc/track name is changed, the disc/track name does not scroll.

### 🎵 PlayMode
- Local (Local seek mode) (page 16)
  – Select "ON" to only tune into stations with stronger signals.
- Mono (Monaural mode) (page 16)
  – Select "ON" to hear FM stereo broadcast in monaural. Select "OFF" to return to normal mode.
- IF switch AUTO/WIDE (page 16)

### 🎚 SoundTuning
- EQ7 Tune (page 26) — to adjust the equalizer curve.
- HPF (High pass filter) (page 27)
- LPF (Low pass filter) (page 28)
- Loudness — to enjoy bass and treble even at low volumes. The bass and treble will be reinforced.
- AUX Level*3 (page 29) — to adjust the volume level of connected auxiliary equipment.

*1 *Displayed only when the clock is displayed by pressing (OFF).*
*2 *Displayed only when CD, MS, or MD are playing back.*
*3 *Displayed only when the source is AUX.*

**Note**
*Only when an optional CD/MD unit is not connected, "AUX Skip" and "AUX Level" are displayed.*

**1** **Press (MENU).**
To set "AutoScroll," press (MENU) during CD/MD playback.

**2** **Press ← or → repeatedly to select the desired item.**

**3** **Press (ENTER).**

**4** **Press ↑ or ↓ repeatedly to select your desired items to be adjusted.**

**5** **Press (ENTER).**

**6** **Press ↑ or ↓ repeatedly to select the desired setting (Example: "ON" or "OFF").**

**7** **Press (ENTER).**
The display returns to the top menu display.

**8** **Press (MENU).**
The display returns to the normal display.

**Note**
*The displayed item will differ depending on the source.*

**25**

# Setting the Dynamic Soundstage Organizer (DSO)

If your speakers are installed into the lower part of the doors, the sound will come from below and may not be clear.
The DSO (Dynamic Soundstage Organizer) function creates a more ambient sound as if there were speakers above the dashboard (virtual speakers).
You can store the DSO setting for each source.

### DSO mode and image of virtual speakers
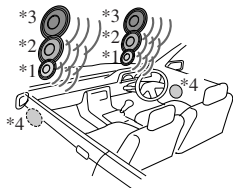


*1 *DSO 1*
*2 *DSO 2*
*3 *DSO 3*
*4 *DSO OFF*

**1 Press (SOURCE) to select a source (radio, CD, MD, or AUX).**

**2 Press (SOUND).**

**3 Press ← or → repeatedly to select "DSO."**

**4 Press (ENTER).**



**5 Press ← or → repeatedly to select the DSO mode (DSO 1-3).**
To cancel the DSO function, select "OFF."

**6 Press (ENTER).**

*Notes*
- *Depending on the type of car interior or type of music, DSO may not have a desirable affect.*
- *If FM broadcasts are difficult to hear, set "DSO" to "OFF."*

*Tip*
*The sound effect of the DSO mode increases as the number increases.*

# Setting the equalizer (EQ7)

You can select an equalizer curve for 7 music types (Xplod, Vocal, Club, Jazz, New Age, Rock, and Custom).
You can adjust a different equalizer setting for each source.

### Selecting the equalizer curve

**1 Press (SOURCE) to select a source (radio, CD, MD, or AUX).**

**2 Press (SOUND).**

**3 Press ← or → repeatedly to select "EQ7."**

**4 Press (ENTER).**
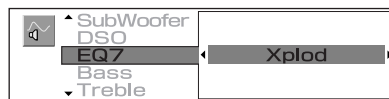


**5 Press ← or → repeatedly to select the Equalizer mode.**
To cancel the equalizing effect, select "OFF."

**6 Press (ENTER).**

*Note*
*While DSO is active, equalizer settings are automatically adjusted for best overall effect.*
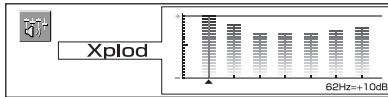
### Adjusting the equalizer curve

You can store and adjust the equalizer settings for frequency and level.

**1 Press (SOURCE) to select a source (radio, CD, MD, or AUX).**

**2 Press (MENU).**

**3 Press ← or → repeatedly to select "SoundTuning."**

**4 Press (ENTER).**

**5 Press ↑ or ↓ repeatedly to select "EQ7 Tune."**
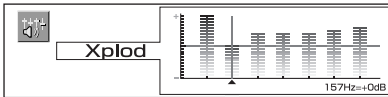
**6 Press (ENTER).**
**Example: EQ7 Tune "Xplod"**



**26**

**7** Press ↑ or ↓ repeatedly to select the desired equalizer curve.

**8** Press (ENTER).

**9** Select the desired frequency and level.

❶ Press ← or → repeatedly to select the desired frequency.
Each time you press ← or →, the frequency changes.

**62 Hz ←→ 157 Hz ←→ 396 Hz ←→ 1000 Hz ←→ 2510 Hz ←→ 6340 Hz ←→ 16000 Hz**



❷ Press ↑ or ↓ repeatedly to adjust the desired level.
The level is adjustable by 1 dB steps from –10 dB to +10 dB.



To restore the factory-set equalizer curve, press (ENTER) for 2 seconds.

❸ Repeat steps ❶ and ❷ to adjust the equalizer curve.

**10** Press (ENTER).
After the effect setting is completed, the display returns to the normal display.

# Adjusting the front and rear volume

**1** Press (SOURCE) to select a source (radio, CD, MD, or AUX).

**2** Press (SOUND).

**3** Press ← or → repeatedly to select "Fader."

**4** Press (ENTER).



**5** Press ← or → repeatedly to adjust the volume of front/rear speakers.

**6** Press (ENTER).
The display returns to the normal display.
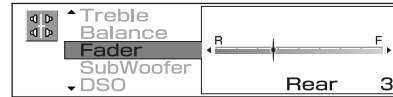
### Adjusting the cut-off frequency for the front/rear speakers

To match the characteristics of the installed speaker system, you can select the cut-off frequency of the speakers.
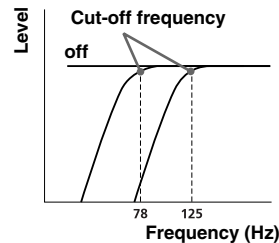


**1** During playback or radio reception, press (MENU).

**2** Press ← or → repeatedly to select "SoundTuning."

**3** Press (ENTER).

**4** Press ↑ or ↓ repeatedly to select "HPF."

**5** Press (ENTER).

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**6** **Press ↑ or ↓ repeatedly to select the cut-off frequency.**
Each time you press ↑ or ↓, the frequency changes as follows:

**OFF** (default setting) ←→ **78 Hz** ←→ **125 Hz**

**7** **Press (MENU).**
After the frequency setting is complete, the display returns to the normal display.
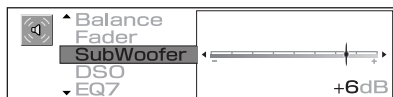
# Adjusting the volume of the subwoofer(s)

**1** **Press (SOURCE) to select a source (radio, CD, MD, or AUX).**

**2** **Press (SOUND).**

**3** **Press ← or → repeatedly to select "SubWoofer."**

**4** **Press (ENTER).**

```
    ▲Balance
     Fader
     SubWoofer  ◄         │        ►
     DSO                            +
  ▼ EQ7                         +6dB
```

**5** **Press ← or → repeatedly to adjust the volume.**

**6** **Press (ENTER).**
The display returns to the normal display.

*Tip*
*The volume level is adjustable from –10 dB to +10 dB. (Below –10 dB, "– ∞ dB" is displayed.)*

## Adjusting the cut-off frequency for the subwoofer(s)

To match the characteristics of the connected subwoofer(s), you can cut out the unwanted high and middle frequency signals entering the subwoofer(s). By setting the cut-off frequency (see the diagram below), the subwoofer(s) will output only low frequency signals for a clearer sound.
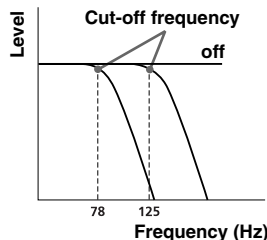


**1** **During playback or radio reception, press (MENU).**

**2** **Press ← or → repeatedly to select "SoundTuning."**

**3** **Press (ENTER).**

**4** **Press ↑ or ↓ repeatedly to select "LPF."**

**5** **Press (ENTER).**

```
    ▲EQ7 Tune       125  Hz
     HPF
     LPF            OFF
     Loudness
  ▼ Clock
```

**6** **Press ↑ or ↓ repeatedly to select the cut-off frequency.**
Each time you press ↑ or ↓, the frequency changes as follows:

**OFF** (default setting) ←→ **125 Hz** ←→ **78 Hz**

**7** **Press (MENU).**
After the frequency setting is complete, the display returns to the normal display.

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# Connecting auxiliary audio equipment

The unit's AUX IN (external audio input) terminal on this unit is also used as the BUS AUDIO IN (audio input) terminal.
You can listen to the sound from your car speakers by connecting optional Sony portable devices.

*Note*
*If you connect an optional Sony CD/MD unit, you cannot connect any portable devices and cannot select "AUX."*

## Selecting auxiliary equipment

**Press (SOURCE) repeatedly to select "AUX."**



## Adjusting the volume level

You can adjust the volume for each connected audio equipment.

**1 Press (MENU).**

**2 Press ← or → repeatedly to select "SoundTuning."**

**3 Press (ENTER).**

**4 Press ↑ or ↓ repeatedly to select "AUX Level."**

**5 Press (ENTER).**
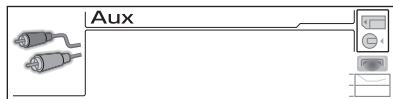
**6 Press ← or → repeatedly to adjust the volume level.**
The volume level is adjustable in 1 dB steps from –6 dB to +6 dB.

**7 Press (ENTER).**
The display returns to the top menu display.

**8 Press (MENU).**
The display returns to the normal display.

## To deactivate auxiliary equipment in the music source display

**1 Press (OFF).**
CD/MD playback or radio reception stops (the key illumination and display remain on).

**2 Press (MENU).**

**3 Press ← or → repeatedly to select "Setup."**

**4 Press (ENTER).**

**5 Press ↑ or ↓ repeatedly to select "AUX Skip."**

**6 Press (ENTER).**

**7 Press ↓ to select "ON."**

**8 Press (MENU).**

To restore the indication, select "AUX Skip OFF."

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# Additional Information

## Maintenance

### Fuse replacement

When replacing the fuse, be sure to use one matching the amperage rating stated on the original fuse. If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In such a case, consult your nearest Sony dealer.

**Fuse (10 A)**
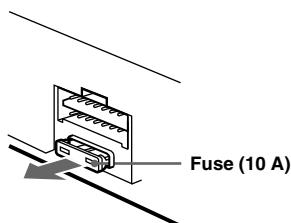
### Warning

Never use a fuse with an amperage rating exceeding the one supplied with the unit as this could damage the unit.

### Replacing the lithium battery

Under normal conditions, batteries will last approximately 1 year. (The service life may be shorter, depending on the conditions of use.) When the battery becomes weak, the range of the card remote commander becomes shorter. Replace the battery with a new CR2025 lithium battery. Use of any other battery may present a risk of fire or explosion.

**+ side up**
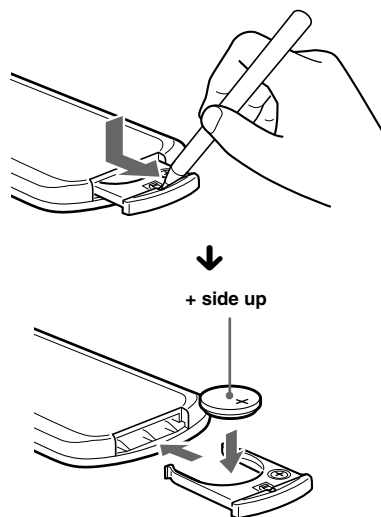
### Notes on lithium battery

• Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.
• Wipe the battery with a dry cloth to assure a good contact.
• Be sure to observe the correct polarity when installing the battery.
• Do not hold the battery with metallic tweezers, otherwise a short-circuit may occur.

---

**WARNING**

Battery may explode if mistreated.
Do not recharge, disassemble, or dispose of in fire.

---

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# Removing the unit

**1** **Remove the protection collar.**

❶ **Engage the release keys together with the protection collar.**

**Orient the release key correctly.**
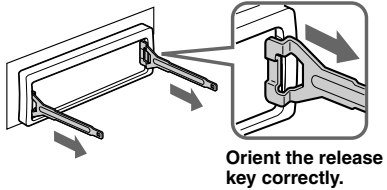
❷ **Pull out the release keys to remove the protection collar.**
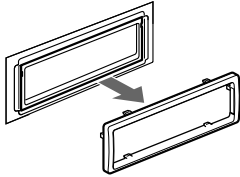
**2** **Remove the unit.**

❶ **Insert both release keys together until they click.**

**Face the hook inwards.**
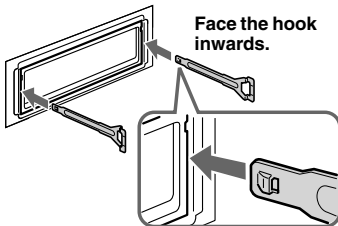
❷ **Pull the release keys to unseat the unit.**
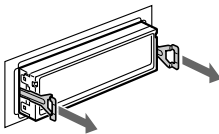
❸ **Slide the unit out of the mounting.**

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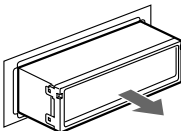
# Specifications

**AUDIO POWER SPECIFICATIONS**
POWER OUTPUT AND TOTAL HARMONIC DISTORTION
23.2 watts per channel minimum continuous average power into 4 ohms,
4 channels driven from 20 Hz to 20 kHz with no more than 5% total
harmonic distortion.

### CD Player section

| | |
|---|---|
| Signal-to-noise ratio | 95 dB |
| Frequency response | 10 – 20,000 Hz |
| Wow and flutter | Below measurable limit |

### Tuner section

**FM**

| | |
|---|---|
| Tuning range | 87.5 – 107.9 MHz |
| Antenna terminal | External antenna connector |
| Intermediate frequency | 10.7 MHz/450 kHz |
| Usable sensitivity | 9 dBf |
| Selectivity | 75 dB at 400 kHz |
| Signal-to-noise ratio | 67 dB (stereo), 69 dB (mono) |
| Harmonic distortion at 1 kHz | 0.5 % (stereo), 0.3 % (mono) |
| Separation | 35 dB at 1 kHz |
| Frequency response | 30 – 15,000 Hz |

**AM**

| | |
|---|---|
| Tuning range | 530 – 1,710 kHz |
| Antenna terminal | External antenna connector |
| Intermediate frequency | 10.7 MHz/450 kHz |
| Sensitivity | 30 μV |

### Power amplifier section

| | |
|---|---|
| Outputs | Speaker outputs (sure seal connectors) |
| Speaker impedance | 4 – 8 ohms |
| Maximum power output | 50 W × 4 (at 4 ohms) |

### General

| | |
|---|---|
| Outputs | Audio outputs (front/rear) Subwoofer output (mono) Power antenna relay control terminal Power amplifier control terminal |
| Inputs | Telephone ATT control terminal Illumination control terminal BUS control input terminal BUS audio input/AUX IN terminal Antenna input terminal |
| Tone controls | Bass ±8 dB at 100 Hz Treble ±8 dB at 10 kHz |
| Loudness | +8 dB at 100 Hz +2 dB at 10 kHz |
| Power requirements | 12 V DC car battery (negative ground) |
| Dimensions | Approx. 178 × 50 × 178 mm (7 1/8 × 2 × 7 1/8 in.) (w/h/d) |
| Mounting dimensions | Approx. 182 × 53 × 157 mm (7 1/4 × 2 1/8 × 6 1/4 in.) (w/h/d) |
| Mass | Approx. 1.7 kg (3 lb. 12 oz.) |
| Supplied accessories | Card remote commander RM-X131 Parts for installation and connections (1 set) Front panel cover (1) |
| Optional accessories | Wireless rotary commander RM-X6S BUS cable (supplied with an RCA pin cord) RC-61 (1 m), RC-62 (2 m) |
| Optional equipment | CD changer (10 discs) CDX-757MX, CDX-656 CD changer (6 discs) CDX-T70MX, CDX-T69 MD changer (6 discs) MDX-66XLP MG-MS System-up Player MGS-X1 XM Satellite Radio Receiver XT-XM1 Source selector XA-C30 AUX-IN selector XA-300 |

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***Note***
*This unit cannot be connected to a digital preamplifier or an equalizer.*

*Design and specifications are subject to change without notice.*

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# Troubleshooting

The following checklist will help you remedy problems you may encounter with your unit. Before going through the checklist below, check the connection and operating procedures.

### General

**The operation buttons do not function.**
Press the reset button.

**No sound.**
- Press up the VOL control lever to adjust the volume.
- Cancel the ATT function.
- Set the fader control to the center position for a 2-speaker system.

**The contents of the memory have been erased.**
- The reset button has been pressed.
  → Store again into the memory.
- The power cord or battery has been disconnected.
- The power connecting cord is not connected properly.

**No beep sound.**
The beep sound is canceled (page 25).
- An optional power amplifier is connected and you are not using the built-in amplifier.

**The display disappears from/does not appear in the display window.**
- The display disappears if you press and hold (OFF).
  → Press and hold (OFF) again until the display appears.

**Stored stations and correct time are erased.**
**The fuse has blown.**
**Makes noise when the ignition key is in the ON, ACC, or OFF position.**
The leads are not matched correctly with the car's accessory power connector.

**No power is being supplied to the unit.**
- Check the connection. If everything is in order, check the fuse.
- The car does not have an ACC position.
  → Press (SOURCE) to turn on the unit.

**The power is continuously supplied to the unit.**
The car does not have an ACC position.

**The power antenna does not extend.**
The power antenna does not have a relay box.

### CD/MD playback

**Playback does not begin.**
- Defective MD or dirty CD.
- Some CD-Rs/CD-RWs may not play due to its recording equipment or the disc condition.

**MP3 files cannot be played back.**
- Recording was not performed according to the ISO 9660 level 1 or level 2 format, or the Joliet or Romeo in the expansion format.
- The file extension ".MP3" is not added to the file name.
- Files are not stored in MP3 format.

**Album name/track name/ID3 tag is not displayed correctly.**
- A disc is not compliant with ISO9660 level 1.
  → Use a compliant disc.
- The unit can only display the letter codes, such as ASCII, half sized European letters (ASCII only for Joliet), and Shift-JIS. Letter codes other than the above will not display correctly.

**MP3 files take longer to play back than others.**
The following discs take a longer time to start playback.
– a disc recorded with complicated tree structure.
– a disc recorded in Multi Session.
– a disc to which data can be added.

**The sound skips from vibration.**
- The unit is installed at an angle of more than 30°.
- The unit is not installed in a sturdy part of the car.

**The sound skips.**
- Defective or dirty disc.
- The CD-R/CD-RW has been damaged.

**If you close the disc tray or reset the setting, the unit will make some noise.**
This is just the noise of the unit checking a disc, this is not a malfunction.

### Radio reception

**Preset tuning is not possible.**
- Store the correct frequency in the memory.
- The broadcast signal is too weak.

**The stations cannot be received.**
**The sound is hampered by noises.**
- Connect a power antenna control lead (blue) or accessory power supply lead (red) to the power supply lead of a car's antenna booster. (Only if your car has a built-in FM/AM antenna in the rear/side glass.)
- Check the connection of the car antenna.
- The auto antenna will not go up.
  → Check the connection of the power antenna control lead.
- Check the frequency.
- When the DSO mode is on, the sound is sometimes hampered by noises.
  → Set the DSO mode to "OFF" (page 26).

**Automatic tuning is not possible.**
- The local seek mode is set to "ON."
  → Set the local seek mode to "OFF" (page 25).
- The broadcast signal is too weak.
  → Perform manual tuning.

**The "STEREO" indication flashes.**
- Tune in the frequency accurately.
- The broadcast signal is too weak.
  → Set to the monaural reception mode (page 25).

**A program broadcast in stereo is heard in monaural.**
The unit is in monaural reception mode.
→ Cancel monaural reception mode (page 25).

**Interference occurs during FM reception.**
The wide mode is selected.
→ Set the IF mode to "IF AUTO" (page 25).

# Error displays/Messages

### Error displays

**(For this unit and optional CD/MD changers)**
The following indications will flash for about 5 seconds, and an alarm sound will be heard.

**Blank**[*1]
No tracks have been recorded on an MD[*2](MS).
→ Play an MD (MS) with recorded tracks on it.

**Cannot Play**
The unit cannot playback certain files due to a difference in format.

**Error**[*1]
- A CD is dirty or inserted upside down.[*2]
  → Clean or insert the CD correctly.
- A CD/MD cannot play because of some problem.[*2]
  → Insert another CD/MD.

**Expired**
- Try to playback audio data with expired data limits.
- Try to playback audio data with data limits, but the clock has not been set.
  → You must set the date in the menu.

**File Error**
- Cannot read the data.
- The data is damaged or corrupted.

**High Temp**
The ambient temperature is more than 50°C (122°F).
→ Wait until the temperature goes down below 50°C (122°F).

**NO Disc**
No disc is inserted in the CD/MD unit.
→ Insert discs in the CD/MD unit.

**NO Magazine**
The disc magazine is not inserted in the CD/MD unit.
→ Insert the magazine in the CD/MD unit.

**NO Music**[*1]
A CD which is not a music file is inserted.
→ Insert a music CD.

**Not Ready**
The lid of the MD unit (MDX-40) is open or the MDs are not inserted properly.
→ Close the lid or insert the MDs properly.

**Push Reset**
The CD/MD unit cannot be operated because of some problem.
→ Press the reset button on the unit.

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*1 *When the CD/MD changer is connected to the unit, the disc number of the CD or MD appears in the display.*

*2 *The disc number of the disc causing the error appears in the display.*

If these solutions do not help improve the situation, consult your nearest Sony dealer.
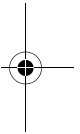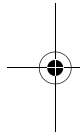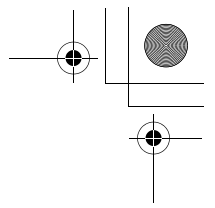
### Messages

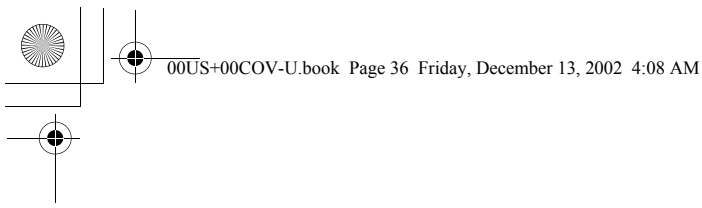**Local Seek up/Local Seek down**
The Local Seek mode is on during automatic tuning (page 16).

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**About ID3 tag version 2**
*Although not a malfunction, the following occurs when an MP3 file containing ID3 tag ver.2 is played:*
– *When skipping a portion of ID3 tag ver.2 (at the beginning of the track), sound is not output. Skip time changes depending ID3 tag ver.2 capacity.*
*Example: At 64 kbytes, it is about 2 seconds (with RealJukebox).*
– *The displayed elapsed playing time when skipping a portion of ID3 tag ver.2 is inaccurate. For MP3 files of a bit rate other than 128 kbps, time is not displayed accurately during playback.*
– *When an MP3 file is created with MP3 conversion software (ex. RealJukebox*), ID3 tag ver.2 will automatically be written.*
  * *"RealJukebox is a registered trademark of RealNetworks, Inc."*
*As of December, 2001*

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