

FM/MW/LW Compact Disc Player

Operating Instructions _____ **GB**

使用說明書 _____ **CT**

For installation and connections, see the supplied installation/connections manual.

關於本機的安裝及線路連接，請參見提供的“安裝／線路連接說明書”。



CDX-MP80

Welcome !

Thank you for purchasing this Sony Compact Disc Player. You can enjoy its various features even more with:

- MP3 file playback.
- 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 8).
- 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).
- 7 colour display (you can select from a range of 7 colours).
- **Supplied controller accessory**
Card remote commander RM-X113
- **Optional controller accessories**
Wireless rotary commander RM-X6S
Wired rotary commander RM-X4S

*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.*

CLASS 1
LASER PRODUCT

This label is located on the bottom of the chassis.

Car G-PROTECTION

G-PROTECTION is originally developed for Walkman and performs supreme skip-free against shock. Car G-PROTECTION is designed and tuned for car audio based on the technology of original G-PROTECTION. Car G-PROTECTION creates comfortable audio reproduction with supreme skip-free and the same time, it extends the concept and the value of G-PROTECTION from Walkman to car audio.

Specification of Car G-PROTECTION

Car G-PROTECTION has following specification.

(a) Re-focus within 0.5 sec., if there is a missed data.

(b) Read data with double speed or more.

Limitation of Car G-PROTECTION

Car G-PROTECTION performs supreme skip-free but it doesn't mean that it can guarantee the perfect skip-free. Some skips may occur by continuous vibration and/or the installation condition of this unit.

Car G-PROTECTION and  are trademarks of Sony Corporation.

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* Functions available with optional CD/MD unit

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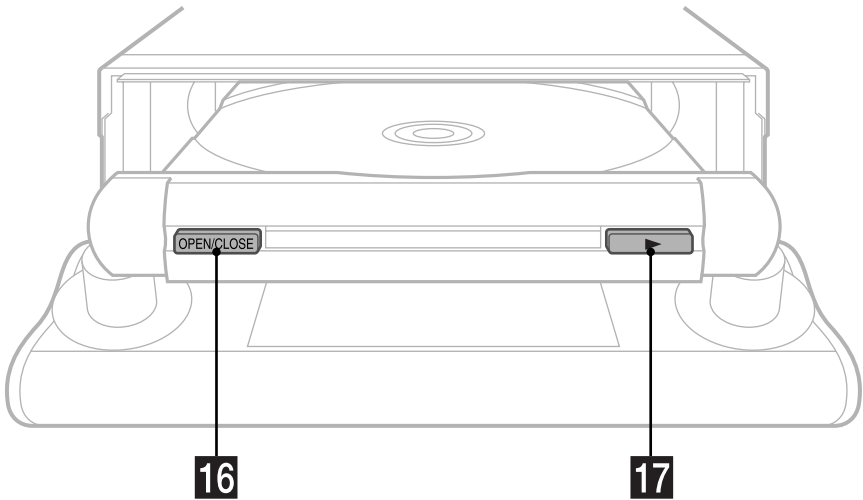
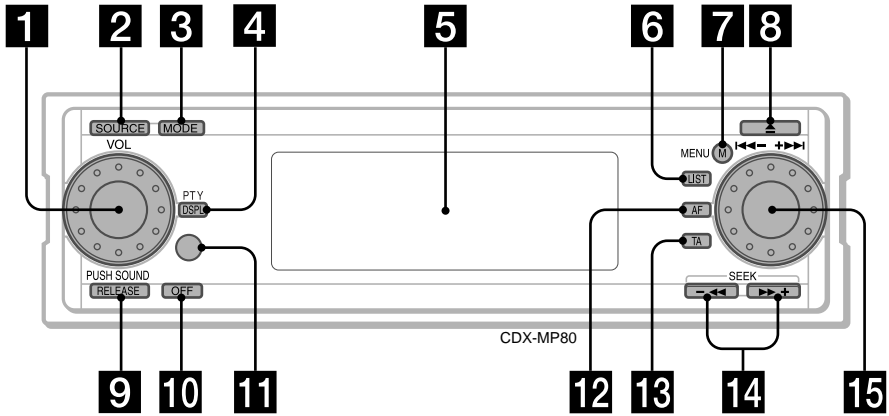
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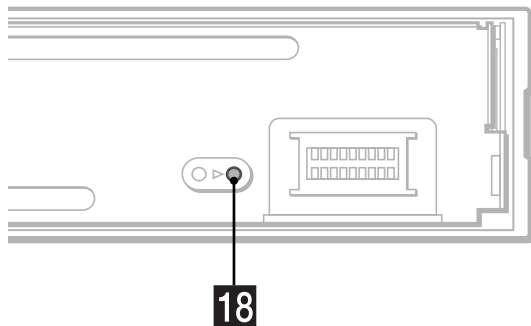
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Location of controls



Behind the front panel



Refer to the pages listed for details.

1 VOL (volume) control dial/SOUND button

Rotate to:

- Adjust the volume.
- Adjust the sound setting.

Press to:

- Select the sound setting.

2 SOURCE button

To select the source.

3 MODE button

To change the operation.

4 DSPL/PTY button 13, 15, 18, 21, 28

5 Display window

6 LIST button 12, 15, 17

7 MENU button

To display the menus.

8 ▲ (eject) button 11, 12

9 RELEASE button 10

10 OFF (Stop/Power off) button* 10, 12, 28, 29

11 Receptor for the card remote commander and wireless rotary commander

12 AF button 18, 20

13 TA button 19, 20

14 ◀▶ (SEEK -/+) buttons

To fast-forward, reverse a track, tune in stations automatically, find a station manually, and select a setting.

15 ◀◀/▶▶ (-/+) control dial

Rotate to:

- Receive preset stations.
- Skip tracks.
- Select a menu.

Press to:

- Enter a setting.

16 OPEN/CLOSE button 10, 11

17 ▶ (play) button 11

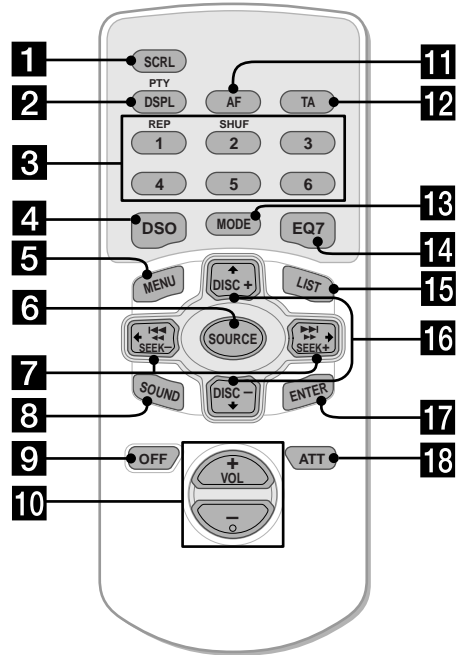
18 RESET button 9

*** 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.

Card remote commander RM-X113



The corresponding buttons of the card remote commander control the same functions as those on this unit.

- 1** SCRL button
- 2** DSPL/PTY button
- 3** Number buttons
- 4** DSO button
- 5** MENU button
- 6** SOURCE button
- 7** SEEK (◀/▶) buttons
- 8** SOUND button
- 9** OFF button
- 10** VOL (+/-) buttons
- 11** AF button
- 12** TA button
- 13** MODE button
- 14** EQ7 button
- 15** LIST button
- 16** DISC/ALBUM (↑/↓) buttons
- 17** ENTER button
- 18** ATT button

continue to next page →

Note

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

Tip

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

Selecting a disc and album with the card remote commander

Disc and album can be skipped using the DISC/ALBUM (↑/↓) buttons on the card remote commander.

(With this unit)

To	Press
Skip albums* – Album selection	↑ or ↓ [once for each album] To continuously skip albums, press and hold either button.

(With optional unit)

To	Press
Skip discs – Disc selection	↑ or ↓ [once for each disc] To continuously skip discs, press once and press again within 1 second (and hold) either button.
Skip albums* – Album selection	↑ or ↓ [hold for a moment] and release To continuously skip albums, press (and hold) within 1 second of first releasing the button.

* Available only when an MP3 file is played.

Skipping tracks continuously

Press once either SEEK/AMS (← or →) button on the card remote commander, then press again within 1 second and hold.

Precautions

- If your car was parked in direct sunlight, allow the unit to cool off before operating it.
- Power aeriels will extend automatically while the unit is operating.
- Do not drop water or foreign objects on the disc tray. If they enter the unit, 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

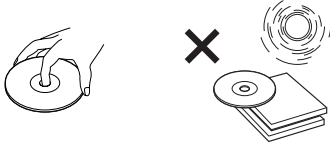
Be careful not to splash juice or other soft drinks onto the unit or discs.

Notes on CD lens

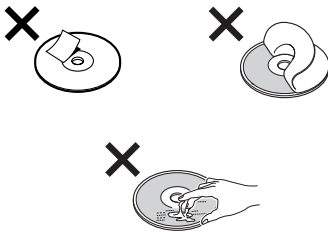
- Do not touch the lens in the disc tray.
- Do not use a commercially available lens cleaner.

Notes on discs

- To keep the disc clean, do not touch the surface. Handle the 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.
The following malfunctions may result from using such discs:
 - Inability to eject a disc (due to a label or sticker peeling off and jamming the eject mechanism).
 - 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 centre out. Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray intended for analogue discs.



Music discs encoded with copyright protection

This product is designed to play back discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

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	
MP3 files	

- 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

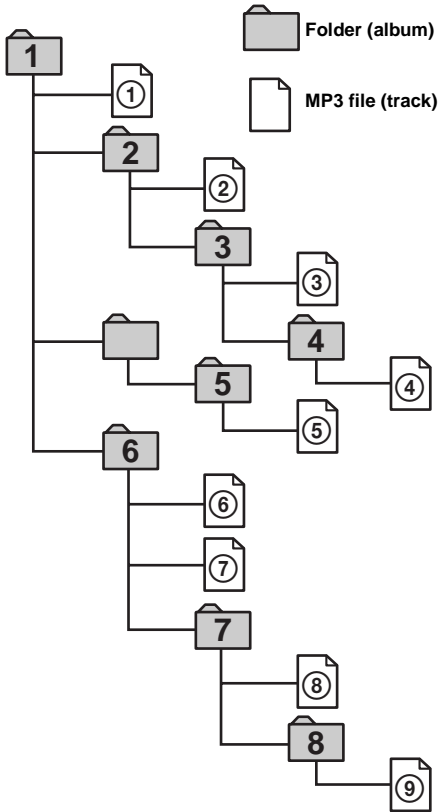
- With formats other than ISO 9660 level 1 and level 2, folder names or file names may not be displayed correctly.
- When naming, be sure to add the file extension “.MP3” to the file name.
- If you put the extension “.MP3” to a file other than MP3, the unit cannot recognize the file properly and will 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 is 8.

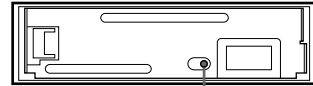
Tip

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.)

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. Remove the front panel and press the RESET button with a pointed object, such as a ballpoint pen.



RESET button

Note

Pressing the RESET button will erase the clock setting and some stored contents.

Detaching the front panel

You can detach the front panel of this unit to protect the unit from being stolen.

Caution alarm

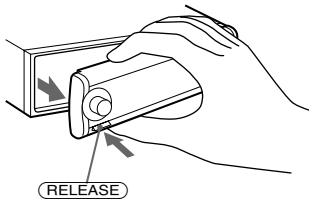
If you turn the ignition switch to the OFF position without removing the front panel, the caution alarm will beep for a few seconds.

1 Press **OFF** *.

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

* If your car has no ACC position on the ignition switch, be sure to turn the unit off by pressing **OFF** until the display disappears to avoid car battery drain.

2 Press **RELEASE** to open up the front panel and pull it off towards you.



Notes

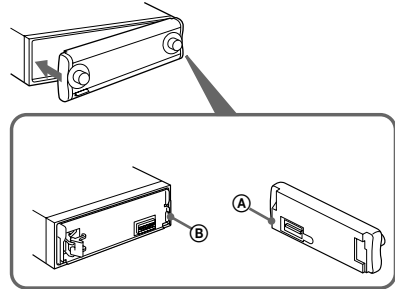
- If you detach the panel while the unit is still turned on, the power will turn off automatically to prevent the speakers from being damaged.
- Do not drop or put excessive pressure on the front panel and its display window.
- Close the front panel before you detach it.
- Do not subject the front panel to heat/high temperature or moisture. Avoid leaving it in parked cars or on dashboards/rear trays.

Tip

When carrying the front panel with you, use the supplied front panel case.

Attaching the front panel

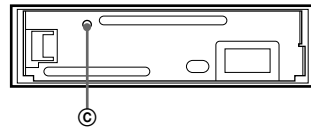
Attach part **A** of the front panel to part **B** of the unit as illustrated and push the left side into position until it clicks.



Notes

- Do not put anything on the inner surface of the front panel.
- Do not detach the front panel during the eject operation. If the front panel is detached during eject operation will stop.

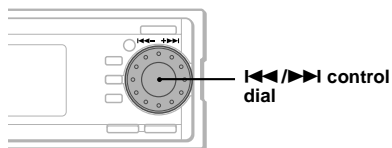
To eject the disc when you do not have the front panel attached, press **OPEN/CLOSE** inside the unit through hole **C** with a pointed object, such as a ballpoint pen.



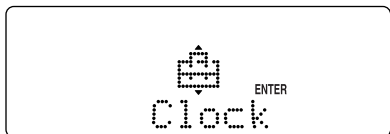
Setting the clock

The clock uses a 24-hour digital indication.

Example: To set the clock to 10:08

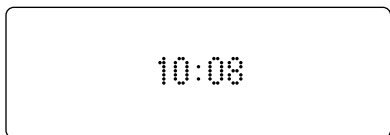


- 1 Press **(MENU)**, then rotate the **◀▶** control dial until "Clock" appears.



- 1 Press the **◀▶** control dial.
The hour indication flashes.
- 2 Rotate the **◀▶** control dial to set the hour.
- 3 Press the **▶+** button.
The minute indication flashes.
- 4 Rotate the **◀▶** control dial to set the minute.

- 2 Press the **◀▶** control dial.



The clock starts. After the clock setting is completed, the display returns to normal play mode.

Tips

- You can set the clock automatically with the RDS feature (page 21).
- When D.Info mode is set to on, the time is always displayed (page 24).

CD Player CD/MD Unit (optional)

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

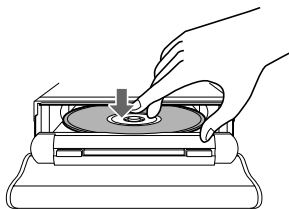
Note

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.

Playing a disc

(With this unit)

- 1 Press **▲**.
The disc compartment slides out.
- 2 Place a disc on the disc tray with the label side up.
Insert the disc until it clicks.



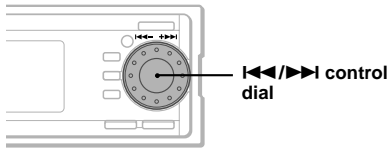
- 3 Press **▶**.
The disc compartment closes and playback starts.

If a disc is already inserted, press **(SOURCE)** repeatedly until "CD" appears in the display, and playback starts. (If you press **(OPEN/CLOSE)**, the disc compartment closes but playback does not start.)

Notes

- Do not place more than 1 disc on the disc tray.
- The disc tray and front panel closes automatically after the caution alarm beeps.

continue to next page →



(With optional unit)

- 1 Press **(SOURCE)** repeatedly to select “CD” or “MD (MS*).”
- 2 Press **(MODE)** repeatedly until the desired unit appears.
Playback starts.

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

Cautions when connecting MGS-X1 and MD unit(s)

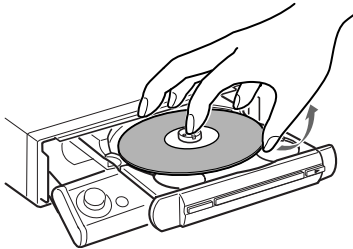
This unit recognizes MGS-X1 as an MD unit.

- When you want to play MGS-X1, press **(SOURCE)** to select “MS” or “MD.” If “MS” appears in the source display, MGS-X1 starts to play. If “MD” appears in the source display, press **(MODE)** to select “MS,” to start playback.
- When you want to play an MD unit, press **(SOURCE)** to select “MD” or “MS.” If your desired MD unit appears in the source display, it starts to play. If “MS” or another MD unit appears in the source display, press **(MODE)** to select your desired MD unit, to start playback.

To	Do this
Stop playback	Press (OFF) .
Eject the disc	Press ▲ .
Skip tracks – Automatic Music Sensor	Rotate the ⏮/⏭ control dial.
Fast-forward/ reverse – Manual Search	Press and hold the –⏮ or ⏭+ button, and release at the desired point.
Skip albums* – Album selection	Press (LIST) , then rotate the ⏮/⏭ control dial.

* Available only when an MP3 file is played.

To remove the disc, press down the centre spindle, and lift up the edge of the disc from the relief in the disc tray.



Notes

- 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 7, 8).
- Such discs should be finalized.
- While the first/last track on the disc is playing, if the **⏮/⏭** control dial is rotated, playback skips to the last/first track of the disc.
- When the last track on the disc is over, playback restarts from the first track of the disc.
- With optional unit connected, playback of the same source will continue on to the optional CD/MD unit.
- There is a delay for a few seconds after pressing **▲** before the disc tray is ejected, after reading the data in the disc.

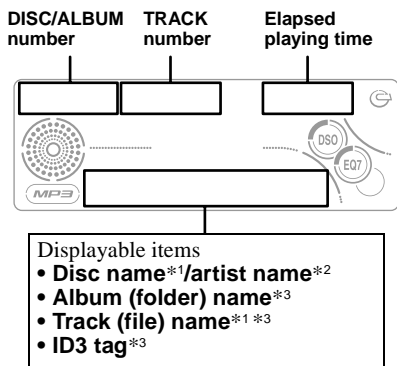
Locating a disc

— Disc selection

See “Locating a disc by name” on page 15.

Display items

When the disc/album/track changes, any prerecorded title*¹ of the new disc/album/track is automatically displayed (if the Auto Scroll function is set to “on,” names exceeding 9 characters will be scrolled (page 24)).



To	Press
Switch display item	DSPL/PTY
Scroll display item	DSPL/PTY for 2 seconds

*1 When pressing **DSPL/PTY**, “NO D.Name” or “NO T.Name” indicates that there is no Disc Name (page 14) or prerecorded name to display.

*2 Only for CD TEXT discs with the artist name.

*3 Only for MP3 files.

Only track name/artist name/album name in ID3 tag is displayed.

When pressing **DSPL/PTY**, “NO ID3 Tag” indicates that there is no ID3 tag to display.

Notes

- Some characters cannot be displayed.
- For some CD TEXT discs with very many characters, information may not scroll.
- This unit cannot display the artist name for each track of a CD TEXT disc.

Notes on MP3

- 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 Auto scroll is set to off and the disc/album/track name is changed, the disc/album/track name does not scroll.

Playing tracks repeatedly

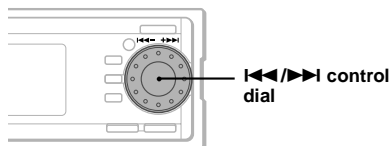
— Repeat Play

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:

- REP TRACK — to repeat a track.
- REP ALBUM*¹ — to repeat an album.
- REP DISC*² — to repeat a disc.

*1 Available only for MP3 files.

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



- 1 During playback, press **MENU**.
- 2 Rotate the **◀▶** control dial until “REP” appears.
- 3 Press the **▶▶+** button repeatedly to select the desired setting.
- 4 Press the **◀▶** control dial. Repeat Play starts.

To return to normal play mode, select “REP off” in step 3.

Playing tracks in random order

— Shuffle Play

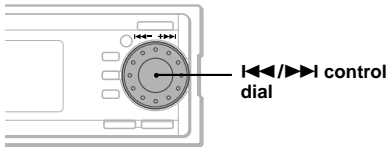
You can select:

- SHUF ALBUM*¹ — to play the tracks in the current album in random order.
- SHUF DISC — to play the tracks on the current disc in random order.
- SHUF CHNGR*² — to play the tracks in the current optional CD (MD) unit in random order.
- 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.



- 1 During playback, press **MENU**.
- 2 Rotate the **◀▶** control dial until “SHUF” appears.
- 3 Press the **▶+** button repeatedly to select the desired setting.
- 4 Press the **◀▶** control dial. Shuffle Play starts.

To return to normal play mode, select “SHUF off” in step 3.

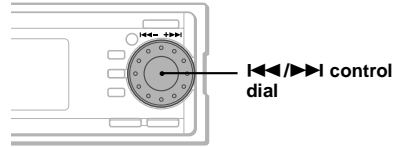
Note

“SHUF ALL” will not shuffle tracks between CD units and MD units.

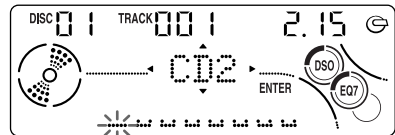
Labelling a CD

— Disc Memo (For a 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).



- 1 Start playing the disc you want to label in a CD unit with the CUSTOM FILE function.
- 2 Press **MENU**, then rotate the **◀▶** control dial until “Name Edit” appears.
- 3 Press the **◀▶** control dial.



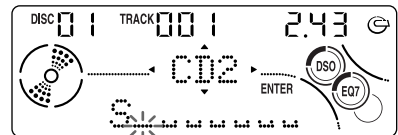
The unit will repeat the disc during the labelling procedure.

- 4 Enter the characters.
 - 1 Rotate the **◀▶** control dial to select the desired character.

A ↔ B ↔ C ... ↔ 0 ↔ 1 ↔ 2 ... ↔ + ↔ - ↔ * ... ↔ _ * ↔ A

* (blank space)

- 2 Press the **▶+** button after locating the desired character.



If you press the **◀** button, you can move back to the left.

- 3 Repeat steps 1 and 2 to enter the entire name.
 - 5 To return to normal CD play mode, press the **◀▶** control dial.

Tips

- Simply overwrite or enter “...” to correct or erase a name.
- There is another way to start labelling a CD: Press (LIST) for 2 seconds instead of performing steps 2 and 3. You can also complete the operation by pressing (LIST) for 2 seconds instead of step 5.
- 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.

Viewing the Disc Memo

As a display item, the Disc Memo always takes priority over any original CD TEXT information.

To	Press
View	(DSPL/PTY) during CD/CD TEXT disc playback

Tip

To find out about other items that can be displayed, see page 13.

Erasing the Disc Memo

- 1 Press (SOURCE) repeatedly to select “CD.”
- 2 Press (MODE) repeatedly to select the CD unit storing the Disc Memo.
- 3 Press (MENU), then rotate the (◀/▶) control dial until “Name Del” appears.
- 4 Press the (◀/▶) control dial. The stored names will appear.
- 5 Rotate the (◀/▶) control dial to select the disc name you want to erase.
- 6 Press the (◀/▶) control dial for 2 seconds. The name is erased. Repeat steps 5 and 6 if you want to erase other names.
- 7 Press (MENU) twice. The unit returns to normal CD play mode.

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.

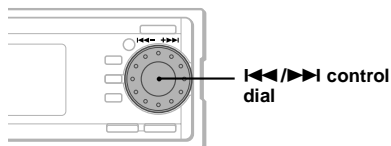
Locating a disc by name

— List-up (For a 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.

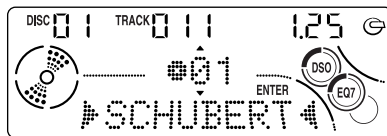
*1 Locating a disc by its custom name: when you assign a name for a CD (page 14) or an MD.

*2 Locating discs by the CD TEXT information: when you play a CD TEXT disc on a CD unit with the CD TEXT function.



1 Press (LIST).

The name assigned to the current disc appears in the display.



2 Rotate the (◀/▶) control dial until you find the desired disc.

3 Press the (◀/▶) control dial to play the disc.

Note

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

Locating an album or track by name

When a name is assigned to an album*3, or track*4, you can locate it by name.

1 Press (LIST) repeatedly until album/track name appears in the display.

Each time you press (LIST), the display will change in order of disc name, album name, and track name.

After 5 seconds, the display returns to the normal playback mode.

2 Rotate the (◀/▶) control dial until you find the desired album/track.

Playback starts.

*3 Available only for MP3 files.

*4 Available only for MP3 files, CD TEXT disc, and MD.

Radio

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

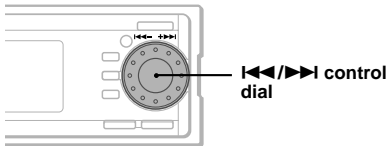
Caution

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.

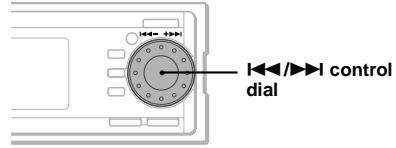


- 1 Press **(SOURCE)** repeatedly to select the radio.
- 2 Press **(MODE)** repeatedly to select the band.
- 3 Press **(MENU)**, then rotate the **◀▶/▶▶** control dial until “BTM” appears.
- 4 Press the **◀▶/▶▶** control dial.
A beep sounds when the setting is stored.

Notes

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

Receiving the stored stations



- 1 Press **(SOURCE)** repeatedly to select the radio.
- 2 Press **(MODE)** repeatedly to select the band.
- 3 Rotate the **◀▶/▶▶** control dial until you find the desired station.

Tip

Press the number button (**1** to **6**) on the card remote commander to select the stored station directly.

If preset tuning does not work

Press the **◀◀** or **▶▶+** button 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 24).
- If you know the frequency of the station you want to listen to, press and hold the **◀◀** or **▶▶+** button to locate the approximate frequency, then press the **◀◀** or **▶▶+** button 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 24).

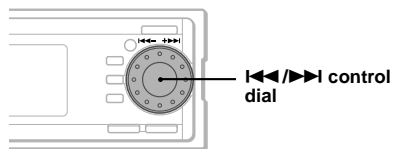
The sound improves, but becomes monaural (“ST” disappears).

Tip

If FM broadcasts are difficult to hear, set DSO to off (page 25).

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 the **-◀** or **▶+** button to tune in the station that you want to store.
- 4 Press **(MENU)**, then rotate the **◀▶** control dial until "Preset Edit" appears.
- 5 Press the **◀▶** control dial.
- 6 Rotate the **◀▶** control dial to select the number that you want to store.
- 7 Press the **◀▶** control dial.
The stored station indication appears in the display.
- 8 Press **(MENU)** twice.

Note

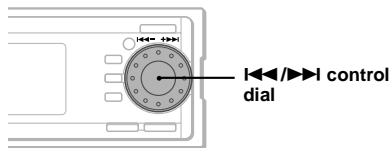
If you try to store another station on the same stored number, the previously stored station will be erased.

Operating with the card remote commander

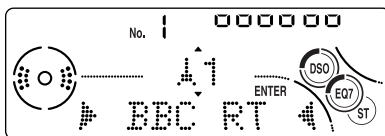
- 1 Press **(SOURCE)** repeatedly to select the radio.
- 2 Press **(MODE)** repeatedly to select the band.
- 3 Press **(SEEK-)** or **(SEEK+)** to tune in the station that you want to store.
- 4 Press the desired number button (**1** to **6**) until "MEM" appears.

Tuning in a station through a list

— List-up



- 1 During radio reception, press **(LIST)** momentarily.
The frequency or the name assigned to the current station appears in the display.
After 5 seconds, the display returns to the normal playback mode.

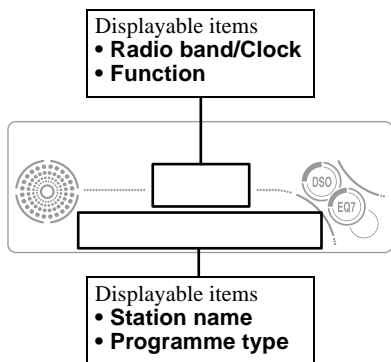


- 2 Rotate the **◀▶** control dial until you find the desired station.
If no name is assigned to the selected station, the frequency appears in the display.
- 3 Press the **◀▶** control dial to tune in the desired station.

RDS

Overview of RDS

FM stations with Radio Data System (RDS) service send inaudible digital information along with the regular radio programme signal. For example, one of the following will be displayed upon receiving a station with RDS capability.



To	Press
Switch display item	(DSPL/PTY)

RDS services

RDS data offers you other conveniences, such as:

- **Automatic retuning** of a programme, helpful during long-distance drives. — AF → page 18
- Receiving **traffic announcements**, even when enjoying another programme/source. — TA → page 19
- Selecting stations by the **type of programme** it broadcasts. — PTY → page 20
- Automatic clock time setting. — CT → page 21

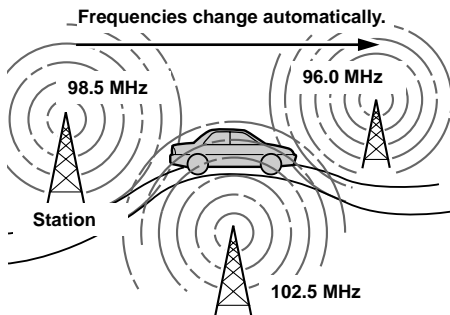
Notes

- Depending on the country or region, not all of the RDS functions are available.
- RDS may not work properly if the signal strength is weak or if the station you are tuned to is not transmitting RDS data.

Automatic retuning for best reception results

— AF function

The alternative frequencies (AF) function allows the radio to always tune into the area's strongest signal for the station you are listening to.



1 Select an FM station (page 16).

2 Press (AF) repeatedly until “AF on” appears.

The unit starts searching for an alternative frequency with a stronger signal in the same network.

If “NO AF” flashes, the currently tuned station does not have an alternative frequency.

Note

When there is no alternative frequency in the area or when you do not need to search for one, turn the AF function off by selecting “AF off.”

For stations without alternative frequencies

Press the ←◀ or ▶▶+ button while the station name is flashing (within 8 seconds).

The unit starts searching for another frequency with the same PI (Programme Identification) data (“PI Seek” appears). If the unit cannot find the same PI, the unit returns to the previously selected frequency.

Staying with one regional programme

When the AF function is on: this unit's factory-set setting restricts reception to a specific region, so you won't be switched to another regional station with a stronger frequency.

If you leave this regional programme's reception area or would like to take advantage of the whole AF function, select "REG off" from the MENU (page 24).

Note

This function does not work in the United Kingdom and some other areas.

Local Link function (United Kingdom only)

(With the card remote commander)

This function enables you to select other local stations in the area, even if they are not stored on your number buttons.

- 1 Press a number button (1 to 6) that has a local station stored on it.**
- 2 Within 5 seconds, press the number button of the local station again.**
- 3 Repeat this procedure until the desired local station is received.**

Receiving traffic announcements

— TA/TP

By activating the Traffic Announcement (TA) and Traffic Programme (TP), you can automatically tune in an FM station broadcasting traffic announcements. These settings function regardless of the current FM programme, or source (CD/MD, AUX); the unit switches back to the original source when the bulletin is over.

Press (TA) repeatedly until "TA on" appears.

The unit starts searching for traffic information stations.

"TP" indicates reception of such stations, and "TA" flashes during an actual traffic announcement. The unit will continue searching for stations available with TP if "NO TP" is indicated.

To cancel all traffic announcements, select "TA off."

To	Press
Cancel current announcement	(TA)

Tip

You can also cancel the current announcement by pressing (SOURCE) or (MODE).

Presetting the volume of traffic announcements

You can preset the volume level of the traffic announcements so you won't miss hearing them.

- 1 Turn the VOL control dial to adjust the desired volume level.**
- 2 Press (TA) for 2 seconds.**
"TA" appears and the setting is stored.

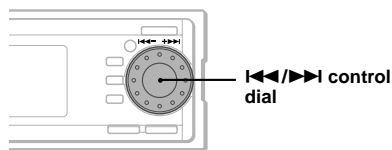
Receiving emergency announcements

If either AF or TA is on, the unit will switch to emergency announcements, if one comes in while listening to an FM station, CD/MD, or AUX.

Presetting RDS stations with AF and TA setting

When you preset RDS stations, the unit stores each station's AF/TA setting (on/off) as well as its frequency. You can select a different setting (for AF, TA, or both) for individual preset stations, or the same setting for all preset stations. If you preset stations with "AF on," the unit automatically stores stations with the strongest radio signal.

Presetting the same setting for all preset stations



- 1 Select an FM band (page 16).
- 2 Press **(AF)** and/or **(TA)** to select "AF on" and/or "TA on."
Note that selecting "AF off" and "TA off" stores not only RDS stations, but also non-RDS stations.
- 3 Press **(MENU)**, then rotate the **◀▶** control dial until "BTM" appears.
- 4 Press the **◀▶** control dial until "BTM" flashes.

Presetting different settings for each preset station (With the card remote commander)

- 1 Select an FM band, and tune in the desired station (page 17).
- 2 Press **(AF)** and/or **(TA)** to select "AF on" and/or "TA on."
- 3 Press the desired number button (**1**) to (**6**) until "MEM" appears.

Repeat from step 1 to preset other stations.

Tuning in stations by programme type

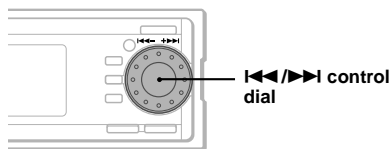
— PTY

You can tune in a station by selecting the type of programme you would like to listen to.

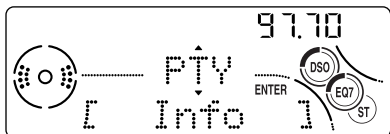
Programme types	Display
News	News
Current Affairs	Affairs
Information	Info
Sports	Sport
Education	Educate
Drama	Drama
Culture	Culture
Science	Science
Varied	Varied
Popular Music	Pop M
Rock Music	Rock M
Easy Listening	Easy M
Light Classical	Light M
Classical	Classics
Other Music Type	Other M
Weather	Weather
Finance	Finance
Children's Programmes	Children
Social Affairs	Social A
Religion	Religion
Phone In	Phone In
Travel	Travel
Leisure	Leisure
Jazz Music	Jazz
Country Music	Country
National Music	Nation M
Oldies Music	Oldies
Folk Music	Folk M
Documentary	Document

Note

You cannot use this function in some countries where no PTY (Programme Type selection) data is available.



- 1 Press **DSPL/PTY** during FM reception until “PTY” appears.



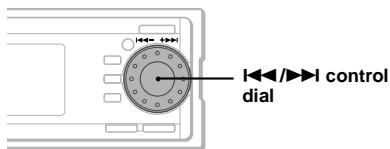
The current programme type name appears if the station is transmitting the PTY data. “-----” appears if the received station is not an RDS station, or if the RDS data is not received.

- 2 Rotate the **◀▶/▶▶** control dial until the desired programme type appears. The programme types appear in the order shown in the table. “-----” appears if the programme type is not specified in the RDS data.
- 3 Press the **◀▶/▶▶** control dial. The unit starts searching for a station broadcasting the selected programme type.

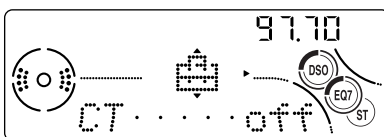
Setting the clock automatically

— CT

The CT (Clock Time) data from the RDS transmission sets the clock automatically.



- 1 During radio reception, press **MENU**, then rotate the **◀▶/▶▶** control dial until “CT off” appears.



- 2 Press the **▶▶+** button repeatedly until “CT on” appears. The clock is set.
- 3 Press the **◀▶/▶▶** control dial to return to the normal display.

To cancel the CT function, select “CT off” in step 2.

Notes

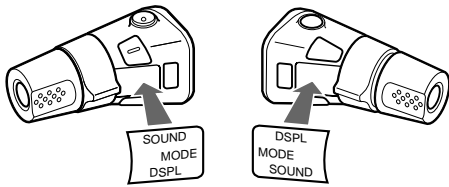
- The CT function may not work even though an RDS station is being received.
- There might be a difference between the time set by the CT function and the actual time.

Other Functions

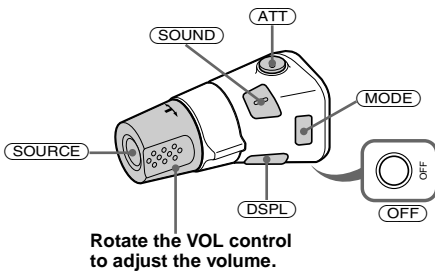
You can also control the unit (and optional CD/MD units) with a rotary commander (optional).

Using the rotary commander

First, attach the appropriate label depending on how you want to mount the rotary commander. The rotary commander works by pressing buttons and/or rotating controls.

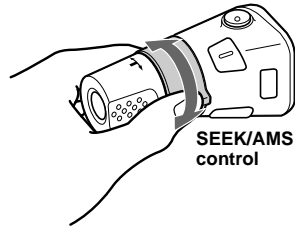


By pressing buttons



Press	To
(SOURCE)	Change source (radio/CD/MD*1/AUX)/ Power on
(MODE)	Change operation (radio band/CD unit/MD*1 unit)
(ATT)	Attenuate sound
(OFF) *2	Stop playback or radio reception/Power off
(SOUND)	Adjust the sound menu
(DSPL) *3	Change the display item (For 2 seconds to scroll the display item)

By rotating the control



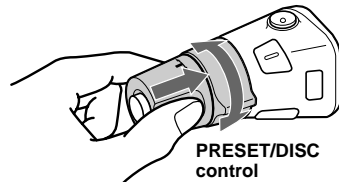
Rotate and release to:

- Skip tracks.
To continuously skip tracks, rotate once and rotate again within 1 second and hold the control.
- Tune in stations automatically.

Rotate, hold, and release to:

- Fast-forward/reverse a track.
- Find a station manually.

By pushing in and rotating the control



Push in and rotate the control to:

- Receive preset stations.
- Change discs during CD (MD) playback*1.
- Change albums*4.

*1 Only if the corresponding optional equipment is connected.

*2 If your car has no ACC (accessory) position on the ignition key switch, after turning off the ignition, be sure to press and hold (OFF) until the display disappears.

*3 When using the RDS function, PTY data cannot be displayed if (DSPL) of the rotary commander is pressed.

*4 When an MP3 file is played.

When an MP3 file is played, you can select an album using the rotary commander.

(With this unit)

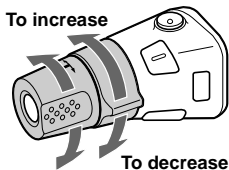
To	Do this
Skip albums - Album selection	Push in and rotate [once for each album] the control. To continuously skip albums, push in and rotate (and hold) the control.

(With optional unit)

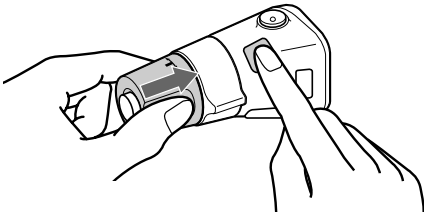
To	Do this
Skip discs – Disc selection	Push in and rotate [once for each disc] the control. To continuously skip discs, push in and rotate once and rotate again within 1 second (and hold) the control.
Skip albums – Album selection	Push in and rotate the control [hold for a moment] and release. To continuously skip albums, push in and rotate again (and hold) within 1 second of first releasing the control.

Changing the operative direction

The operative direction of controls is factory-set as shown below.



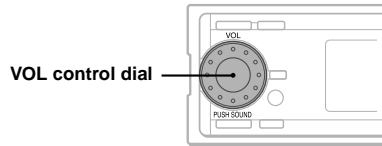
If you need to mount the rotary commander on the right hand side of the steering column, you can reverse the operative direction.



Press **(SOUND)** for 2 seconds while pushing the VOL control.

Adjusting the sound characteristics

You can adjust the bass, treble, balance, fader, and subwoofer volume.
The bass and treble levels and subwoofer volume can be stored independently for each source.



- 1 Press **(SOURCE)** to select a source (radio, CD, MD, or AUX).
- 2 Press the VOL control dial repeatedly to select the item you want to adjust. Each time you press the VOL control dial, the item changes as follows:
DSO → **EQ7** → **BAS (bass)**
→ **TRE (treble)** → **BAL (left-right)**
→ **FAD (front-rear)**
→ **SUB (subwoofer volume)**
- 3 Rotate the VOL control dial to adjust the selected item.

Note

Adjust within 3 seconds after selecting the item.

Quickly attenuating the sound

(With the rotary commander or the card remote commander)

Press **(ATT)** on the rotary commander or card remote commander.

"ATT on" appears in the display momentarily.

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:

Set Up

- Clock (page 11)
- CT (Clock Time) (page 21)
- Beep — to turn the beeps on or off.
- AUX-A (page 29) — to turn the AUX source display on or off.

Display

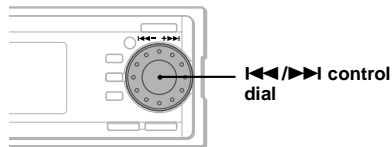
- D.Info (Dual Information) — to display the clock and the play mode at the same time (on). Functions only when SA is not set to B-1 – B-5.
- SA (Spectrum Analyzer) (page 28) — to change the display pattern of the equalizer display.
- Demo
 - Select “on” to activate the Demo display. The Demo display will appear about 10 seconds after the unit is turned off.
- 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 recognisable because of the unit’s installation position.
- Color — to select from a range of 7 display colours.
- A.Scr1 (Auto Scroll)
 - Select “on” to scroll all automatically displayed names exceeding 9 characters.
 - When Auto scroll is set to off and the disc/track name is changed, the disc/track name does not scroll.

Play Mode

- Local on/off (Local seek mode) (page 16)
 - Select “on” to only tune into stations with stronger signals.
- Mono on/off (Monaural mode) (page 16)
 - Select “on” to hear FM stereo broadcast in monaural. Select “off” to return to normal mode.
- REG on/off (Regional) (page 19)

Sound

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



- 1 Press **MENU**.**
To set A.Scr1, press **MENU** during CD/MD playback.
- 2 Rotate the **◀▶** control dial until the desired item appears.**
- 3 Press the **◀** or **▶** button to select the desired setting (Example: “on” or “off”).**
- 4 Press the **◀▶** control dial.**
After the mode setting is completed, the display returns to normal play mode.

Note

The displayed item will differ depending on the source.

Tip

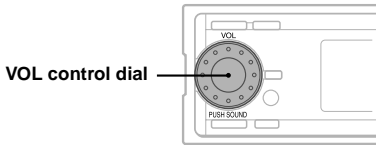
You can easily switch among categories by pressing **DISC+** or **DISC-** on the card remote commander for 2 seconds.

Setting the Dynamic Soundstage Organizer (DSO)

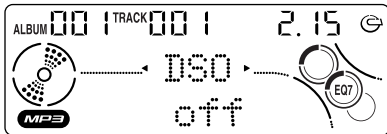
If your speakers are installed into the lower part of the doors, the sound will come from below and may not be clear.

The DSO (Dynamic Soundstage Organizer) function creates a more ambient sound as if there were speakers in the dashboard (virtual speakers).

You can store the DSO setting for each source.



- 1 Press **(SOURCE)** to select a source (radio, CD, MD, or AUX).
- 2 Press the VOL control dial repeatedly until "DSO" appears.



- 3 Rotate the VOL control dial to select "DSO on" or "DSO off."
Turn the VOL control dial clockwise for "on," and anticlockwise for "off."
To cancel the DSO function, select "DSO off."
After 3 seconds, the display returns to the normal playback mode.

Notes

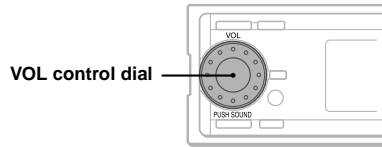
- Depending on the type of car interior or type of music, DSO may not have a desirable affect.
- If FM broadcasts are difficult to hear, set DSO to off.

Setting the equalizer

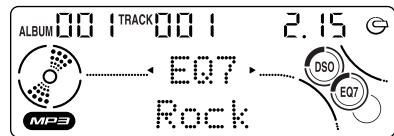
You can select an equalizer curve for 7 music types (Xplod, Vocal, Club, Jazz, New Age, Rock, and Custom).

You can store 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 the VOL control dial repeatedly until "EQ7" appears.



- 3 Rotate the VOL control dial to select the desired equalizer curve.
To cancel the equalizing effect, select "off."
After 3 seconds, the display returns to the normal playback mode.

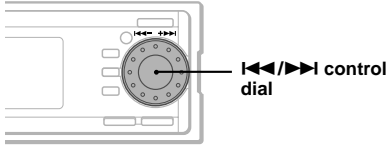
Note

When DSO is set to on, equalizer settings are automatically adjusted for best overall effect.

continue to next page →

Adjusting the equalizer curve

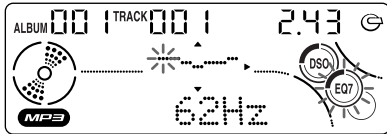
You can store and adjust the equalizer settings for frequency and level.



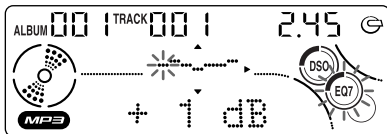
- 1 Press **(SOURCE)** to select a source (radio, CD, MD, or AUX).
- 2 Press **(MENU)**, then rotate the **◀▶** control dial until “EQ Tune” appears.
- 3 Press the **◀▶** control dial.
- 4 Press the **←←** or **→→** button to select the desired equalizer curve, then press the **◀▶** control dial. Each time you press the **←←** or **→→** button, the item changes.
- 5 Select the desired frequency and level.

- 1 Press the **←←** or **→→** button to select the desired frequency. Each time you press the **←←** or **→→** button, the frequency changes.

62 Hz ↔ 157 Hz ↔ 396 Hz ↔ 1.0 kHz
↔ 2.5 kHz ↔ 6.3 kHz ↔ 16 kHz



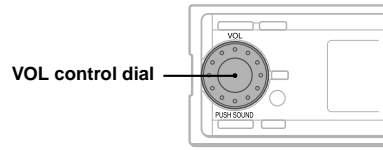
- 2 Rotate the **◀▶** control dial to adjust the desired level. The level is adjustable by 1 dB steps from -10 dB to +10 dB.



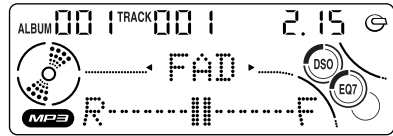
To restore the factory-set equalizer curve, press the **◀▶** control dial for 2 seconds.

- 6 Press the **◀▶** control dial. After the effect setting is complete, the display returns to the normal playback mode.

Adjusting the front and rear volume



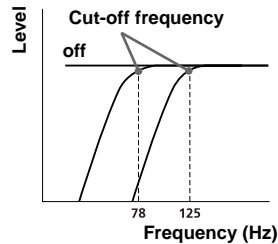
- 1 Press **(SOURCE)** to select a source (radio, CD, MD, or AUX).
- 2 Press the VOL control dial repeatedly until “FAD” appears.

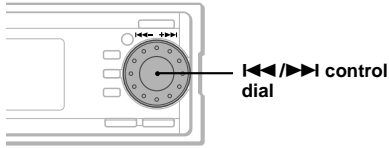


- 3 Rotate the VOL control dial to adjust the volume of front/rear speakers. After 3 seconds, the display returns to the normal playback mode.

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.

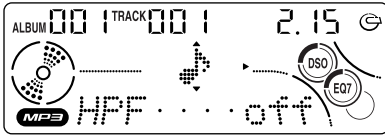




Tip

The volume level is adjustable from -10 dB to $+10$ dB. (Below -10 dB, “ $-\infty$ dB” is displayed.)

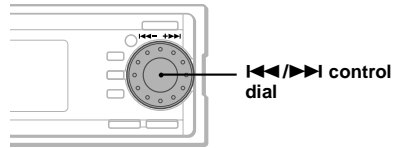
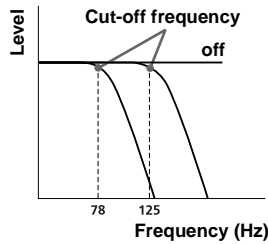
- 1 During playback or radio reception, press **(MENU)**.
- 2 Rotate the ILL/III control dial until “HPF” appears.



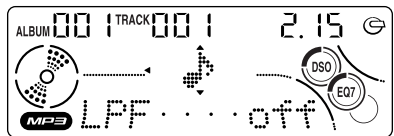
- 3 Press the **-ILL** or **III+** button to select the cut-off frequency. Each time you press the **-ILL** or **III+** button, the frequency changes as follows:
off (default setting) ↔ 78 Hz ↔ 125 Hz
- 4 Press the ILL/III control dial. After the frequency setting is complete, the display returns to the normal playback mode.

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

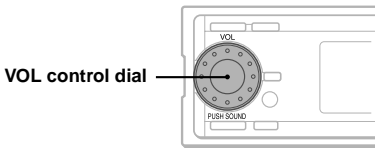
To match the characteristics of the connected subwoofer(s), you can cut out the unwanted high and middle frequency signals entering the subwoofer(s). By setting the cut-off frequency (see the diagram below), the subwoofer(s) will output only low frequency signals so you can get a clearer sound image.



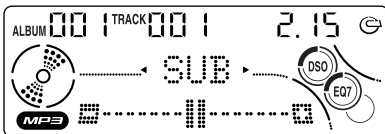
- 1 During playback or radio reception, press **(MENU)**.
- 2 Rotate the ILL/III control dial until “LPF” appears.



Adjusting the volume of the subwoofer(s)



- 1 Press **(SOURCE)** to select a source (radio, CD, MD, or AUX).
- 2 Press the VOL control dial repeatedly until “SUB” appears.

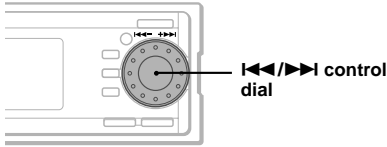


- 3 Rotate the VOL control dial to adjust the volume. After 3 seconds, the display returns to the normal playback mode.

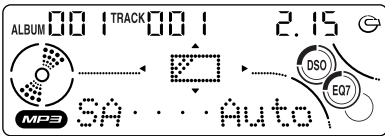
- 3 Press the **-ILL** or **III+** button to select the cut-off frequency. Each time you press the **-ILL** or **III+** button, the frequency changes as follows:
off (default setting) ↔ 125 Hz ↔ 78 Hz
- 4 Press the ILL/III control dial. After the frequency setting is complete, the display returns to the normal playback mode.

Selecting the spectrum analyzer

The sound signal level is displayed on a spectrum analyzer. You can select a display for ten patterns (A-1 to A-5 or B-1 to B-5), or the automatic display mode where all the patterns appear.



- 1 Press **(SOURCE)** to select a source (radio, CD, MD, or AUX).
- 2 Press **(MENU)**.
- 3 Rotate the **◀▶** control dial until "SA" appears.

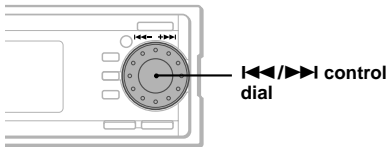


- 4 Press the **◀◀** or **▶▶** button to select the desired setting.
- 5 Press the **◀▶** control dial.

Labelling a Demo display

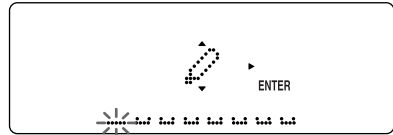
— Appearing Characters

You can label a Demo display with up to 64 characters to appear when the unit is turned off. Labels will scroll in the display with Demo set to "on." (The display remains lit even when the power is off.)



- 1 Press **(OFF)**.
CD/MD playback or radio reception stops (the key illumination and display remain on).
- 2 Press **(MENU)**, then rotate the **◀▶** control dial until "Name Input" appears.

- 3 Press the **◀▶** control dial.



- 4 Enter the characters.

- 1 Press **(DSPL/PTY)** to select the character type.

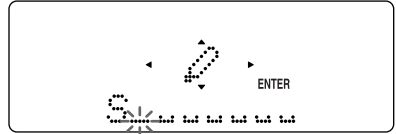
A → a → 0 → A

- 2 Rotate the **◀▶** control dial to select the desired character.

A ↔ B ↔ C ↔ ... x ↔ y ↔ z ↔ 0 ↔
1 ↔ 2 ... ↔ ! ↔ " ↔ # ... ↔ * ↔ A

* (blank space)

- 3 Press the **▶▶** button after locating the desired character.



If you press the **◀◀** button, you can move back to the left.

- 4 Repeat steps 1 to 3 to enter the entire sentence.

- 5 Press the **◀▶** control dial.

Tips

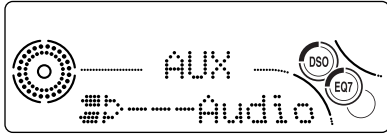
- Simply overwrite or enter " " to correct or erase a sentence.
- To erase all sentences, press the **◀▶** control dial for 2 seconds after step 3.

Connecting auxiliary audio equipment

You can connect auxiliary audio equipment to this unit with the AUX IN connector.

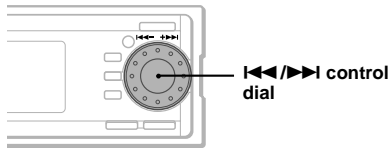
Selecting auxiliary equipment

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



Adjusting the volume level

You can adjust the volume for each connected audio equipment.



- 1 Press **(MENU)**, then rotate the **◀▶/▶▶** control dial until "AUX Level" appears.
- 2 Press the **◀▶/▶▶** control dial.
- 3 Rotate the **◀▶/▶▶** control dial to select the desired volume level.
The volume level is adjustable in 1 dB steps from -6 dB to +6 dB.
- 4 Press the **◀▶/▶▶** control dial.

To deactivate "AUX-A" 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 Rotate the **◀▶/▶▶** control dial until "AUX-A on" appears.
- 4 Press the **▶▶+** button to select "AUX-A off."
- 5 Press **(MENU)**.

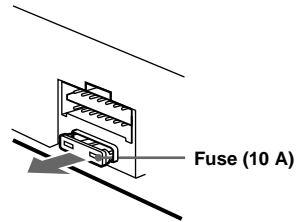
To restore the indication, select "AUX-A on."

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.

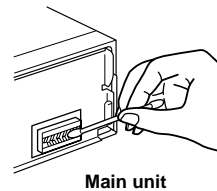


Warning

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

Cleaning the connectors

The unit may not function properly if the connectors between the unit and the front panel are not clean. In order to prevent this, detach the front panel (page 10) and clean the connectors with a cotton swab dipped in alcohol. Do not apply too much force. Otherwise, the connectors may be damaged.

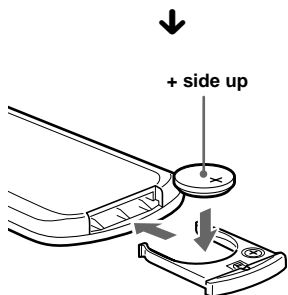
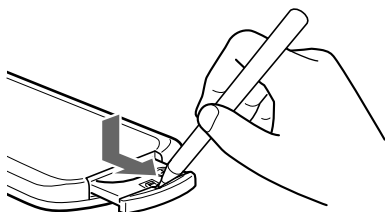


Notes

- For safety, turn off the ignition before cleaning the connectors, and remove the key from the ignition switch.
- Never touch the connectors directly with your fingers or with any metal device.

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.



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.

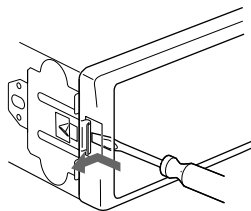
WARNING

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

Removing the unit

1 Remove the front cover

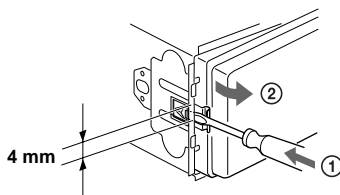
- 1 Detach the front panel (page 10).
- 2 Press the clip inside the front cover with a thin screwdriver.



- 3 Repeat step 2 for the other side.

2 Remove the unit

- 1 Use a thin screwdriver to push in the clip on the left side of the unit, then pull out the left side of the unit until the catch clears the mounting.



- 2 Repeat step 1 for the right side.
- 3 Slide the unit out of its mounting.

Specifications

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 – 108.0 MHz
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Usable sensitivity	8 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	66 dB (stereo), 72 dB (mono)

Harmonic distortion at 1 kHz	0.6 % (stereo), 0.3 % (mono)
------------------------------	---------------------------------

Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

MW/LW

Tuning range	MW: 531 – 1,602 kHz LW: 153 – 279 kHz
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	MW: 30 μ V LW: 40 μ V

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	52 W \times 4 (at 4 ohms)

General

Outputs	Audio outputs (front/rear) Subwoofer output (mono) Power aerial relay control terminal Power amplifier control terminal
Inputs	Telephone ATT control terminal Illumination control terminal BUS control input terminal BUS audio input terminal AUX IN terminal Remote controller input terminal Aerial input terminal
Tone controls	Bass \pm 8 dB at 100 Hz Treble \pm 8 dB at 10 kHz
Loudness	+8 dB at 100 Hz +2 dB at 10 kHz
Power requirements	12 V DC car battery (negative earth)
Dimensions	Approx. 178 \times 50 \times 182 mm (w/h/d)
Mounting dimensions	Approx. 182 \times 53 \times 161 mm (w/h/d)
Mass	Approx. 1.6 kg
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1) Card remote commander RM-X113 Wireless rotary commander RM-X6S Wired rotary commander RM-X4S BUS cable (supplied with an RCA pin cord) RC-61 (1 m), RC-62 (2 m)
Optional accessories	CD changer (6 discs) CDX-T70MX, CDX-T69 MD changer (6 discs) MDX-66XLP MG Memory Stick system-up player MGS-X1 Source selector XA-C30 AUX-IN Selector XA-300
Optional equipment	

Note

This unit cannot be connected to a digital preamplifier or an equalizer which is Sony BUS system compatible.

Design and specifications are subject to change without notice.

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.

- Rotate the VOL control dial clockwise to adjust the volume.
- Cancel the ATT function.
- Set the fader control to the centre 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 cancelled (page 24).

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.
- Remove the front panel and clean the connectors. See “Cleaning the connectors” on page 29 for details.

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.
→ After turning off the ignition, be sure to press and hold (OFF) on the unit until the display disappears.

The power aerial does not extend.

The power aerial 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.

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.

Cannot turn off the “-----” indication.

You entered the name edit mode.

→ Press (LIST) for 2 seconds.

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 aerial control lead (blue) or accessory power supply lead (red) to the power supply lead of a car's aerial booster. (Only when your car has built-in FM/MW/LW aerial in the rear/side glass.)
- Check the connection of the car aerial.
- The auto aerial will not go up.
 - Check the connection of the power aerial 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 25).

Automatic tuning is not possible.

- The local seek mode is set to "on."
 - Set the local seek mode to "off" (page 24).
- The broadcast signal is too weak.
 - Perform manual tuning.

The "ST" indication flashes.

- Tune in the frequency accurately.
- The broadcast signal is too weak.
 - Set to the monaural reception mode (page 24).

A programme broadcast in stereo is heard in monaural.

- The unit is in monaural reception mode.
 - Cancel monaural reception mode (page 24).

RDS

Seek starts after a few seconds of listening.

- The station is non-TP or has weak signal.
 - Press (AF) or (TA) repeatedly until "AF off" or "TA off" appears.

No traffic announcements.

- Activate "TA."
- The station does not broadcast any traffic announcements despite being TP.
 - Tune in another station.

PTY displays "-----"

- The current station is not an RDS station.
- RDS data has not been received.
- The station does not specify the programme type.

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
 - Play an MD with recorded tracks on it.

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.

High Temp

- The ambient temperature is more than 50°C.
 - Wait until the temperature goes down below 50°C.

NO Disc

- No disc is inserted in the CD/MD unit.
 - Insert discs in the CD/MD unit.

NO Mag

- 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.

*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.

continue to next page →

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

Messages

LCL Seek +/-

The Local Seek mode is on during automatic tuning (page 16).

NO AF

There is no alternative frequency for the current station.

“LLLL” or “rrrr”

You have reached the beginning or the end of the disc and you cannot go any further.

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

鳴謝惠顧！

感謝您惠購 Sony CD 播放機。使用以下附件，您更能涉趣於本機的多項功能：

- MP3 檔案播放。
- 能播放可增加話號的 CD-R/CD-RW 光碟（第 7 頁）。
- 視錄製方法而定，可以播放以 Multi Session (CD-Extra, Mixed CD 等) 錄製的光碟（第 8 頁）。
- 選購的 CD/MD 裝置（換碟機和播放機均在內）*1。
- ID3 標籤 *2 版本 1 資訊（在播放 MP3 檔案時顯示）。
- CD TEXT 資訊（在播放 CD TEXT 光碟 *3 時顯示）。
- 7 種彩色顯示（您可以在 7 種色彩中選擇）。
- 提供的操作附件
 - 卡片式遙控器 RM-X113
- 選購的操作附件
 - 無線遙控器 RM-X6S
 - 有線遙控器 RM-X4S

*1 此裝置僅與 Sony 產品一起使用。

*2 ID3 標籤是一種 MP3 檔案，它包含了諸如光碟名稱、演唱者和樂曲名稱等資訊。

*3 CD TEXT 光碟是一種音頻 CD，它包含了諸如光碟名稱、演唱者和樂曲名稱之類的資訊。這些資訊記錄在光碟上。

**CLASS 1
LASER PRODUCT**

此標籤位於機殼的底部。

Car G-PROTECTION

G-PROTECTION 最初是開發用於 Walkman，且在震動時無跳讀。Car G-PROTECTION 以最初的 G-PROTECTION 為基礎設計和調整用於汽車音響。Car G-PROTECTION 通過優質的無跳動創造了舒適的聲音再現，同時將 G-PROTECTION 的概念和價值從 Walkman 擴展到了汽車音響上。

Car G-PROTECTION 的規格

Car G-PROTECTION 有以下規格。

- (a) 如果有數據丟失，在 0.5 秒內重新聚焦。
- (b) 以雙倍或更快的速度讀取數據。

Car G-PROTECTION 的限制

Car G-PROTECTION 能最大限度實現無跳音運行，但是這並不意味著能夠確保完全無跳音。持續震動和 / 或主機的安裝條件也可能導致有一些跳音。

“Car G-PROTECTION”和  為 Sony 公司的商標。

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* 配以選購件 CD/MD 裝置時可使用的功能

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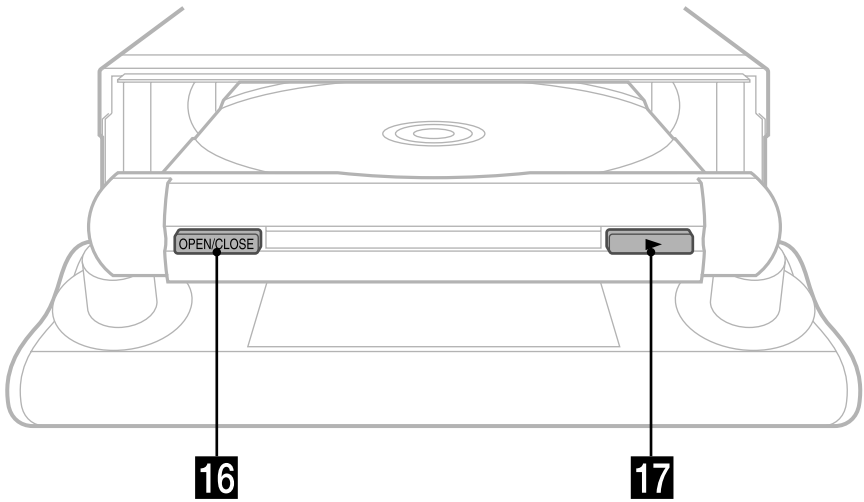
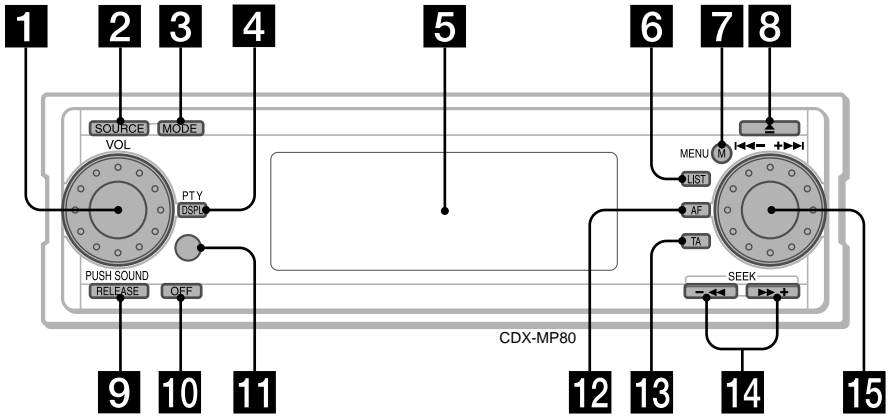
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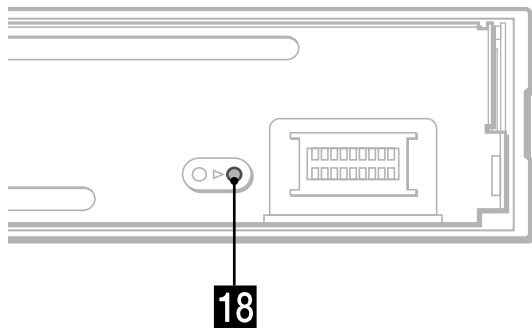
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控制器位置



在前面板後面



詳細說明，請參見列出頁。

1 VOL (音量) 控制撥盤 / SOUND (聲音) 按鈕

旋轉，用來：
- 調節音量。
- 調節聲音設定。
按下，用來：
- 選擇聲音設定。

2 SOURCE 按鈕

用來選擇音源。

3 MODE 按鈕

用來改變操作。

4 DSPL/PTY 按鈕 13, 15, 18, 21, 28

5 顯示窗

6 LIST 按鈕 12, 15, 17

7 MENU 按鈕

用來顯示選單。

8 ▲ (退出) 按鈕 11, 12

9 RELEASE (釋放) 按鈕 10

10 OFF (停止 / 電源關閉) 按鈕 * 10, 12, 28, 29

11 用於卡片式遙控器和無線旋轉式控制器的感應器

12 AF 按鈕 18, 20

13 TA 按鈕 19, 20

14 ◀◀/▶▶ (SEEK -/+) 按鈕

用來快進 / 後退一首樂曲，自動調入電台，手動尋找電台，並選擇設定。

15 ◀◀/▶▶ (-/+) 控制撥盤

旋轉，用來：
- 收聽預設的電台。
- 跳過樂曲。
- 選擇選單。

按下，用來：
- 輸入設定。

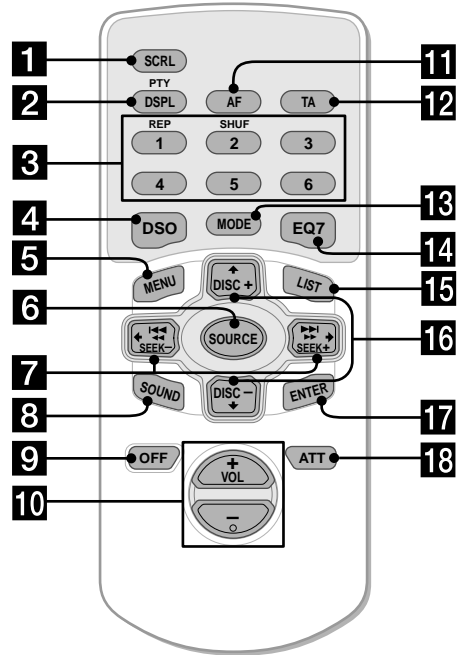
16 OPEN/CLOSE 按鈕 10, 11

17 ▶▶ (播放) 按鈕 11

18 RESET 按鈕 9

* 將本機安裝在點火開關上沒有 ACC (附件) 位置的汽車上時的警告
關閉發動機後，必須按住裝置上的 (OFF) 不放，直至顯示消失。
否則，顯示將一直開著從而消耗電池。

卡片式遙控器 RM-X113



卡片式遙控器上與本機上對應的按鈕控制相同的功能。

- 1** SCRL 按鈕
- 2** DSPL/PTY 按鈕
- 3** 數字按鈕
- 4** DSO 按鈕
- 5** MENU 按鈕
- 6** SOURCE 按鈕
- 7** SEEK (◀/▶) 按鈕
- 8** SOUND 按鈕
- 9** OFF 按鈕
- 10** VOL (+/-) 按鈕
- 11** AF 按鈕
- 12** TA 按鈕
- 13** MODE 按鈕
- 14** EQ7 按鈕
- 15** LIST 按鈕
- 16** DISC/ALBUM (↑/↓) 按鈕
- 17** ENTER 按鈕
- 18** ATT 按鈕

續下頁 →

注意

按 (OFF) 使顯示消失後，除非先按本機上的 (SOURCE) 按鈕激活本機，否則無法用卡片式遙控器操作。

提示

有關如何更換電池的詳細資訊參見第 30 頁“更換鋰電池”。

用卡片式遙控器選擇光碟和樂曲集

使用卡片式遙控器上的 DISC/ALBUM (↑/↓) 按鈕可以跳過光碟和樂曲集。

(使用本機)

要	按
跳過樂曲集 * - 樂曲集選擇	↑ 或 ↓ [每個樂曲集一次] 要連續跳過樂曲集，按住其中一個按鈕。

(使用選購裝置)

要	按
跳過光碟 - 光碟選擇	↑ 或 ↓ [每個光碟一次] 要連續跳過光碟，按一次並在 1 秒鐘之內再次按住其中一個按鈕。
跳過樂曲集 * - 樂曲集選擇	↑ 或 ↓ [保持片刻] 並釋放 要連續跳過樂曲集，在第一次釋放後的 1 秒鐘內再次按住該按鈕。

* 僅在播放 MP3 檔案時適用。

連續地跳過樂曲

按一次卡片式遙控器上其中一個 SEEK/AMS (← 或 →)，並在 1 秒鐘之內再次按住該按鈕不放。

使用前注意事項

- 倘若您的座車停在直射陽光下，則在操作前須先使本機充分冷卻。
- 本機運行時電動天線將自動伸出。
- 請勿讓水或其它物體進入光碟托架。否則將引起火災或導致故障。

若您有什麼關於本機的問題或困難，而本說明書沒有提及，請向您附近的 Sony 經銷商諮詢。

濕氣凝結

在雨天或非常潮濕的地區，本機的透鏡和顯示幕內會產生濕氣凝結。一旦如此，本機將無法正常運行。此時，請將光碟取出，並等待約一小時，直至濕氣蒸發。

為保持高品質聲音

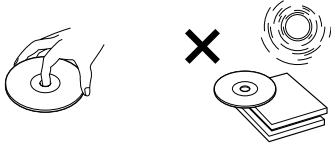
時刻當心，切勿將果汁或其它飲料濺在本機或光碟上。

CD 透鏡的注意事項

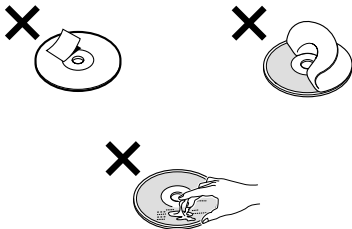
- 請勿觸摸光碟托架內的透鏡。
- 請勿使用市面上購買的透鏡清潔劑。

光碟注意事項

- 為保持光碟清潔，切勿觸摸表面。拿取光碟時請持其邊緣。
- 不使用時請將光碟裝入光碟盒或光碟匣內。切勿使光碟受到熱源 / 高溫的影響。避免將光碟遺留在停泊的車廂內或儀表盤 / 後托架上。



- 切勿貼標籤，或使用帶有黏性墨水 / 殘留物的光碟。這類光碟在使用時會停止轉動，從而造成故障或毀壞光碟。



- 不要使用任何貼有標籤或粘紙的光碟。使用下列光碟將引起如下故障：
 - 不能彈出光碟（因為標籤或粘紙脫落並堵塞彈出裝置）。
 - 不能正確讀取聲音數據（例如，跳躍播放或不播放），因為熱源使粘紙或標籤皺縮造成光碟彎曲。
- 本機不能播放非標準形狀的光碟（如，心型，正方形，星型）。若試圖播放此類光碟，則可能損壞本機。切勿使用此類光碟。
- 在播放之前，請用市售清潔布清潔光碟。從光碟的中心向外擦拭。切勿使用酒精、稀釋劑、市售的清潔劑或用於留聲機唱片的抗靜電噴霧劑等溶劑。



具有版權保護編碼的音樂光碟

本產品是專為播放符合 Compact Disc (CD) 標準光碟而設計。最近，一些唱片公司在市場上銷售各種具有版權保護編碼的光碟。請注意在這些光碟中，有些並不符合 CD 標準，可能無法用本產品播放。

CD-R (可錄 CD) / CD-RW (可重寫 CD) 注意事項

本裝置能播放下列光碟：

光碟類型	光碟上的標籤
音頻 CD	
MP3 檔案	

- 本機可能無法播放某些 CD-R/CD-RW 光碟（視光碟錄製時所用設備或光碟狀況而定）。
 - 不能播放未最終化的 CD-R/CD-RW 光碟*。
 - 您可以播放錄製在 CD-ROM，CD-R，和 CD-RW 上的 MP3 檔案。
 - 能播放可增加話號的 CD-R/CD-RW 光碟。
- * 為使錄製的 CD-R/CD-RW 光碟能在音頻 CD 播放機上播放而必需的一個處理過程。

關於 MP3 檔案

MP3 (MPEG 1 Audio Layer-3) 是一項用於壓縮聲音順序的標準技術和格式。可將檔案壓縮到約為原大小的 1/10。超出人的聽覺範圍的聲音被壓縮，而我們能聽到的聲音未被壓縮。

光碟注意事項

您可以播放錄製在 CD-ROM, CD-R, 和 CD-RW 上的 MP3 檔案。

光碟必須是 ISO 9660*1 level 1 或 level 2 格式，或是擴展格式中的 Joliet 或 Romeo。您可以使用以 Multi Session*2 錄製的光碟。

*1 ISO 9660 格式

用於 CD-ROM 上的檔案和資料夾邏輯格式的最普通國際標準。

有幾個規格等級。在 Level 1 中，檔案名稱必須是 8.3 格式（名稱不能超過 8 個字符，擴展名 “.MP3” 中不能超過 3 個字符）且為大寫字母。資料夾名稱不能超過 8 個字符。不能有超過 8 個資料夾嵌套等級。Level 2 規格允許檔案名稱最多為 31 個字符。

每個資料夾最多能有 8 棵樹級。

對於擴展格式中的 Joliet 或 Romeo 格式，請確認寫入軟體等的容量。

*2 Multi Session

這是一種採用 Track-At-Once 方法，增加資料的錄製方法。普通 CD 從稱為 Lead-in 的 CD 控制區開始，並在稱為 Lead-out 的控制區結束。Multi Session CD 是一種具有多話路的 CD，從 Lead-in 到 Lead-out 的每個分段被作為單獨的話路。

CD-Extra：這是一種格式，將音頻（音頻 CD 資料）作為軌跡錄製在話路 1 中，將資料作為軌跡錄製在話路 2 中。

Mixed CD：在這種格式中，資料被錄製為軌跡 1，且音頻（音頻 CD 資料）被錄製為軌跡 2。

注意

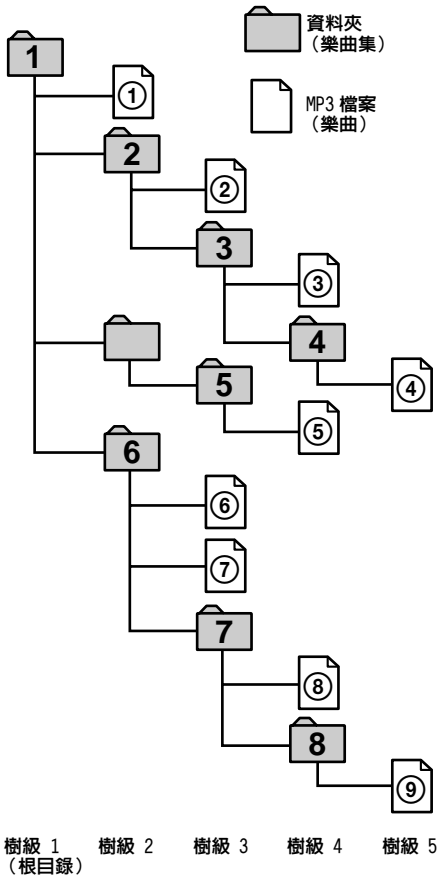
- 除了 ISO 9660 level 1 和 level 2 格式，其它格式的資料夾名稱或檔案名稱可能無法正確顯示。
- 在命名時，必須在檔案名稱後加上擴展名 “.MP3”。
- 如果將擴展名 “.MP3” 加在非 MP3 檔案上，本機則無法正確識別該檔案，並將產生能損壞揚聲器的雜音。
- 以下光碟要花費較長時間才能開始播放。
 - 以複雜的樹形架構錄製的光碟。
 - 以 Multi Session 錄製的光碟。
 - 能增加資料的光碟。

播放以 Multi Session 錄製的光碟時的警示

- 當第一話路的第一個軌跡是音頻 CD 資料：
 - 只能播放音頻 CD 資料。
 - 非音頻 CD 資料 /MP3 檔案資訊（樂曲號、時間等）無聲播放。
- 當第一話路的第一個軌跡不是音頻 CD 資料：
 - 如果光碟中有一個 MP3 檔案，則只播放 MP3 檔案，其他資料被跳過。（音頻 CD 資料未被識別。）
 - 如果光碟中沒有 MP3 檔案，則顯示 “NO Music” 且不播放任何內容。（音頻 CD 資料未被識別。）

MP3 檔案的播放順序

資料夾和檔案的播放順序顯示如下：



注意

- 不含有 MP3 檔案的資料夾被跳過。
- 最大資料夾數量：255（包括根目錄資料夾和空資料夾）
- 一張光碟中能包含的 MP3 檔案和資料夾的最大數量：512
當檔案 / 資料夾名稱包含許多字符時，該數量可能小於 512。
- 能夠播放的最大樹級數量為 8。

提示

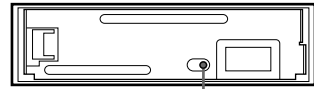
若要規定所需要播放順序，在資料夾或檔案名稱之前，按照數字（例如：“01”，“02”）輸入順序，然後將內容錄製在光碟上。（視寫入軟體而定，順序將有所不同。）

開始使用之前

復原本機

在第一次使用本機前，或更換汽車電池或改變連接後，必須使本機復原。

卸下前面板，並用帶尖頭的物體，如原子筆等，按下 RESET 按鈕。



RESET 按鈕

注意

按 RESET 按鈕，將消除時鐘設定和某些已存儲的內容。

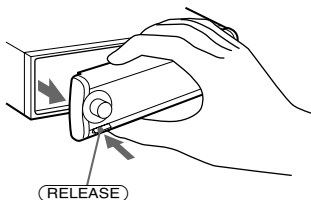
拆卸前面板

為防止本機被盜，您可拆下本機前面板。

報警

若您未拆除前面板即把點火開關旋轉至 OFF 檔，報警器將發出數秒鐘的“嘟嘟”聲。

- 1 按 **(OFF)** 按鈕*。
CD/MD 播放或無線電接收停止（按鈕照明和顯示仍保留）。
* 如果汽車的點火開關沒有 ACC 位置，必須按住 **(OFF)** 按鈕直至顯示消失，以免消耗汽車電池。
- 2 按 **(RELEASE)** 按鈕打開前面板並朝您的方向將其拉出。



注意

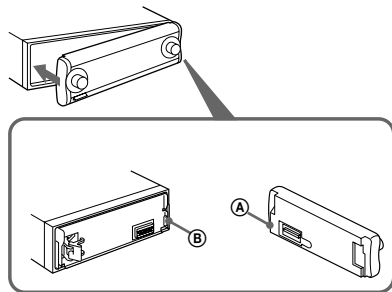
- 若您在本機仍開著時卸下前面板，電源將會自動關閉以防揚聲器受損。
- 切勿摔落或猛按本機的前面板及顯示窗。
- 卸下前面板前，請先將其關閉。
- 切勿使前面板受熱 / 高溫或受潮。避免將前面板遺留在停泊的車廂內，儀表盤或後托架上。

提示

當您要攜帶前面板時，請將它放在附帶的前面板盒內攜帶。

安裝前面板

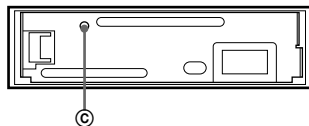
如圖所示將前面板的 **(A)** 部分安裝至本機的 **(B)** 部分，然後推進左端直至聽到咯嗒聲。



注意

- 不要在前面板內表面放任何東西。
- 請勿在退出操作中拆卸前面板。若在退出操作中拆卸前面板，操作將停止。

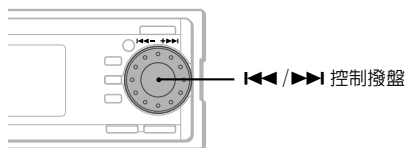
若要在未裝上前面板時退出光碟，請用原子筆之類的尖頭物體，通過孔 **(C)** 按本裝置內的 **(OPEN/CLOSE)** 按鈕。



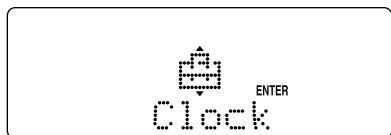
設定時鐘

時鐘採用 24 小時制數字顯示。

例如：將時鐘設定為 10:08

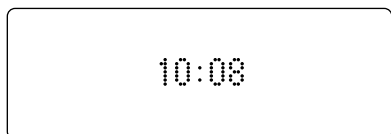


- 1 按 **(MENU)** 按鈕，然後轉動 **◀▶** 控制撥盤，直至出現“Clock”。



- 1 按 **◀▶** 控制撥盤。
小時指示閃爍。
- 2 轉動 **◀▶** 控制撥盤設定小時。
- 3 按 **▶▶+** 按鈕。
分鐘指示閃爍。
- 4 轉動 **◀▶** 控制撥盤設定分鐘。

- 2 按 **◀▶** 控制撥盤。



時鐘開始走時。時鐘設定完畢之後，顯示即返回正常播放模式。

提示

- 您可以用 RDS 功能自動設定時鐘（第 21 頁）。
- 當把 D.Info 模式設定為“on”時，時間將始終顯示（第 24 頁）。

CD 播放機 CD/MD 裝置（選購件）

本機除播放 CD 外，還可控制外接的 CD/MD 裝置。

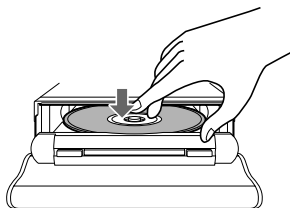
注意

若連接一台選購的帶 CD TEXT 功能的 CD 裝置，當播放 CD TEXT 光碟時，該 CD TEXT 資訊將出現在顯示幕上。

播放光碟

（使用本機）

- 1 按 **▲**。
光碟艙滑出。
- 2 標籤面朝上將光碟裝入光碟托架中。
插入光碟直至聽到咯咯聲。



- 3 按 **▶**。
光碟艙關閉並開始播放。

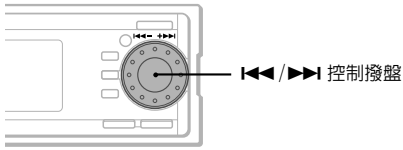
若已裝入光碟，請反覆按 **(SOURCE)** 按鈕，直至“CD”出現在顯示屏上，並開始播放。（如果您按 **(OPEN/CLOSE)** 按鈕，光碟艙關閉但是不開始播放。）

注意

- 勿在光碟托架內裝入 1 張以上的光碟。
- 警示聲音響過後，光碟托架和前面板自動關閉。

續下頁 →

(使用選購裝置)



- 1 反覆按 (SOURCE) 按鈕，選擇“CD”或“MD (MS*)”。
- 2 反覆按 (MODE) 按鈕直至顯示所要的裝置。
播放開始。

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

連接 MGS-X1 和 MD 裝置時的注意事項

本機將 MGS-X1 識別為一台 MD 裝置。

- 當您想播放 MGS-X1 時，請按 (SOURCE) 按鈕選擇“MS”或“MD”。如果“MS”出現在音源顯示上，MGS-X1 即開始播放。如果“MD”出現在音源顯示上，請按 (MODE) 按鈕選擇“MS”開始播放。
- 當您想播放一台 MD 裝置時，請按 (SOURCE) 按鈕選擇“MD”或“MS”。如果所要的 MD 裝置出現在音源顯示上，即開始播放。如果“MS”或另一台 MD 裝置出現在音源顯示上，請按 (MODE) 按鈕選擇所要的 MD 裝置開始播放。

查找光碟位置

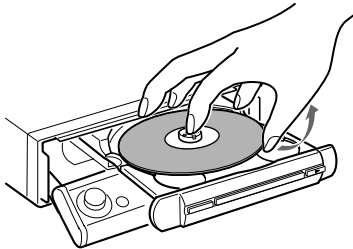
— 光碟選擇

參見第 15 頁“通過名稱找出光碟”。

要	操作
停止播放	按 (OFF) 按鈕。
退出光碟	按 ▲。
跳過樂曲 — 自動音樂 傳感器	裝動 ◀◀/▶▶ 控制撥盤。
快進 / 後退 — 手動搜索	按住 -◀◀ 或 ▶▶+ 按鈕，並在所要的位置釋放。
跳過樂曲集 * — 樂曲集選擇	按 (LIST) 按鈕，然後轉動 ◀◀/▶▶ 控制撥盤。

* 僅在播放 MP3 檔案時適用。

要取出光碟，按下中心軸，從光碟托架內的凹槽中提起光碟邊緣。

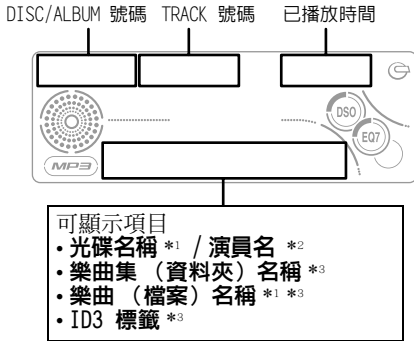


注意

- 視光碟的錄製方法而定，開始播放第一首樂曲前可能需要等待 1 分鐘或更長時間。
- 視光碟的情況而定，可能無法播放光碟（第 7、8 頁）。
- 此類光碟應最終化。
- 播放光碟上的第一首 / 最後一首樂曲時，若轉動 ◀◀/▶▶ 控制撥盤，則跳至光碟的最後一首 / 第一首樂曲處開始播放。
- 當光碟內最後一首樂曲結束，則從光碟的第一首樂曲重新開始播放。
- 當連接有選購裝置時，相同音源的播放也會在選購的 CD/MD 裝置上得已繼續。
- 讀取光碟上的資料後按 ▲ 按鈕，在光碟托架退出前會有數分鐘的延遲。

顯示項目

當改變光碟 / 樂曲集 / 樂曲時，新光碟 / 樂曲集 / 樂曲的預錄標題*1 即被自動顯示（若自動滾動顯示功能設定為“on”，超過 9 個字符的名稱將被滾動顯示（第 24 頁））。



要	按
切換顯示項目	(DSPL/PTY)
滾動顯示項目	按住 (DSPL/PTY) 按鈕 2 秒鐘

*1 當按 (DSPL/PTY) 按鈕時，“NO D.Name”或“NO T.Name”表示無光碟備忘錄（第 14 頁）或預先錄製的名稱可供顯示。

*2 僅用於帶演員名的 CD TEXT 光碟。

*3 僅適用於 MP3 檔案。

僅顯示 ID3 標籤內的樂曲名稱 / 演員名 / 樂曲集名稱。

按 (DSPL/PTY) 按鈕時，“NO ID3 Tag”表示沒有 ID3 標籤可供顯示。

注意

- 有些字符無法顯示。
- 對於一些帶很多字符的 CD TEXT 光碟，資訊可能無法滾動顯示。
- 本機不能顯示 CD TEXT 光碟上每個樂曲的演員名。

關於 MP3

- ID3 標記僅適用於版本 1。
- ID3 標記的字元碼依照 ASCII 和 ISO 8859-1 標準。Joliet 格式光碟只能以 ASCII 顯示。不相容的字元將顯示為“*”。
- 在下列情況中，已播放時間可能顯示不準確。
 - 當播放 VBR（不確定比特速率）MP3 檔案時。
 - 快進 / 後退。

提示

當自動滾動功能設為關閉，光碟 / 樂曲集 / 樂曲名稱改變時，光碟 / 樂曲集 / 樂曲名稱不會滾動顯示。

反覆播放樂曲

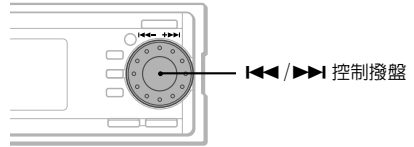
— 重複播放功能

當到達播放終點時，主機中的光碟將重複播放一首樂曲、整個樂曲集或整張光碟。您可以選擇以下重複播放：

- REP TRACK — 反覆播放一首樂曲。
- REP ALBUM*1 — 反覆播放一個樂曲集。
- REP DISC*2 — 反覆播放一張光碟。

*1 僅適用於 MP3 檔案。

*2 僅適用於當連接一台或多台選購的 CD/MD 裝置時。



- 1 在播放中按 (MENU) 按鈕。
- 2 轉動 ◀▶ 控制撥盤直至出現“REP”。
- 3 反覆按 ▶▶+ 按鈕，選擇所需要的設定。
- 4 按 ◀▶ 控制撥盤。重複播放開始。

要返回正常播放模式，在步驟 3 中選擇“REP off”。

以隨機順序播放樂曲

— 隨機播放功能

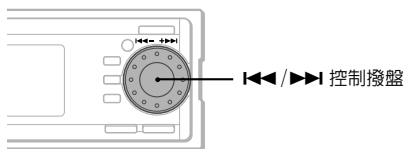
您可以選擇：

- SHUF ALBUM*¹ — 以隨機順序播放當前樂曲集內的樂曲。
- SHUF DISC — 以隨機順序播放當前光碟上的樂曲。
- SHUF CHNGR*² — 以隨機順序播放當前選購 CD (MD) 裝置中的樂曲。
- SHUF ALL*³ — 以隨機順序播放當前所有已連接的 CD (MD) 裝置 (包括本機) 中的全部樂曲。

*¹ 僅適用於 MP3 檔案。

*² 僅適用於當連接一台或多台選購的 CD (MD) 裝置時。

*³ 僅適用於連接一台或多台選購的 CD 裝置，或兩台及兩台以上選購的 MD 裝置時。



- 1 在播放中按 **MENU** 按鈕。
- 2 轉動 **◀/▶** 控制撥盤直至出現“SHUF”。
- 3 反覆按 **▶▶+** 按鈕，選擇所需要的設定。
- 4 按 **◀/▶** 控制撥盤。隨機播放開始。

要返回正常播放模式，在步驟 3 中選擇“SHUF off”。

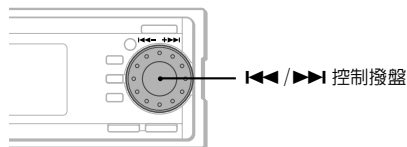
注意

“SHUF ALL”不會打亂 CD 播放機和 MD 播放機互相之間的樂曲順序。

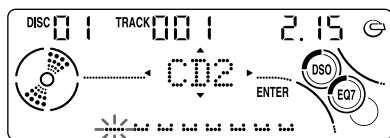
標註 CD

— 記憶功能 (用於帶用戶檔案功能的 CD 裝置)

您能用自訂名稱標註每張光碟 (光碟記憶功能)。您能給每張光碟輸入最多 8 個字符。若標註了 CD，則可通過名稱找出光碟 (第 15 頁)。



- 1 開始播放帶用戶檔案功能的 CD 裝置中要標註的光碟。
- 2 按 **MENU** 按鈕，然後轉動 **◀/▶** 控制撥盤，直至出現“Name Edit”。
- 3 按 **◀/▶** 控制撥盤。



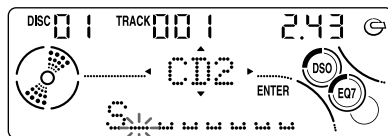
在標註過程中，本機將反覆播放該光碟。

- 4 輸入字符。
- 1 轉動 **◀/▶** 控制撥盤選擇所要的字符。

A ↔ B ↔ C ... ↔ 0 ↔ 1 ↔ 2
... ↔ + ↔ - ↔ * ... ↔ _ *
↔ A

* (空格)

- 2 找到所需要的字符後按 **▶▶+** 按鈕。



如果按了 **◀◀** 按鈕，則將返回到左邊字符。

- 3 重複步驟 1 和步驟 2，以輸入整個名稱。
- 5 要回到正常 CD 播放模式，請按 **◀/▶** 控制撥盤。

提示

- 要更正或消除一個名稱，僅需覆蓋寫入新名稱或輸入“ ”。
- 另外還有一個辦法標註 CD：按住 (LIST) 按鈕持續 2 秒鐘以取代步驟 2 和 3。您也可以按住 (LIST) 按鈕 2 秒鐘以取代步驟 5 來完成此操作。
- 如連接了帶用戶檔案功能的 CD 裝置，則可以在沒有此功能的裝置中對 CD 進行標註。光碟內容將存儲在具有用戶檔案功能的 CD 裝置記憶體中。

注意

在名稱編輯未完成時，重複 / 隨機播放暫時中斷。

觀看光碟記憶內容

光碟記憶內容作為顯示項之一，其顯示總是優先於光碟中原有的 CD TEXT 資訊。

要	按
觀看	在播放 CD/CD TEXT 光碟時按 (DSPL/PTY) 按鈕

提示

欲知其他可被顯示的項目，請參見第 13 頁。

刪除光碟記憶內容

- 1 反覆按 (SOURCE) 按鈕，選擇 “CD”。
- 2 反覆按 (MODE) 按鈕選擇存有光碟記憶內容的 CD 裝置。
- 3 按 (MENU) 按鈕，然後轉動 ◀▶▶▶ 控制撥盤，直至出現 “Name Del”。
- 4 按 ◀▶▶▶ 控制撥盤。出現存儲的名稱。
- 5 轉動 ◀▶▶▶ 控制撥盤選擇您要刪除的光碟名稱。
- 6 按住 ◀▶▶▶ 控制撥盤 2 秒鐘。該名稱即被刪除。若要刪除其它名稱，請重複步驟 5 和步驟 6 的操作。
- 7 按兩次 (MENU) 按鈕。本機即回到正常 CD 播放模式。

注意

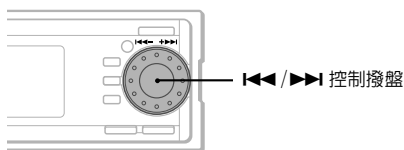
- 當 CD TEXT 光碟的光碟記憶內容被刪除後，則將顯示原有的 CD TEXT 資訊。
- 如果未找到您想要刪除的光碟記憶內容，請嘗試在步驟 2 中選擇另一個 CD 裝置。

通過名稱找出光碟

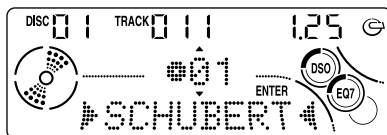
— 列表功能（用於帶 CD TEXT/ 用戶檔案功能的 CD 裝置或 MD 裝置）

您能對已被賦予自訂名稱 *1 的光碟或對 CD TEXT 光碟 *2 使用此功能。

- *1 通過其自訂名稱尋找光碟：當對 CD（第 14 頁）或 MD 命名時。
- *2 通過 CD TEXT 資訊尋找光碟：當在具有 CD TEXT 功能的 CD 裝置上播放 CD TEXT 光碟時。



- 1 按 (LIST) 按鈕。賦予當前光碟的名稱出現在顯示幕上。



- 2 轉動 ◀▶▶▶ 控制撥盤直至找到所要的光碟。
- 3 按 ◀▶▶▶ 控制撥盤播放光碟。

注意

對於 CD TEXT 光碟和 MD，某些字母無法被顯示。

通過名稱找出樂曲集或樂曲

當給樂曲集 *3 或樂曲 *4 指定了名稱時，可以通過名稱對其進行查找。

- 1 反覆按 (LIST) 按鈕直至樂曲集 / 樂曲名稱出現在顯示屏上。您每按一次 (LIST) 按鈕，顯示將以光碟名稱、樂曲集名稱和樂曲名稱的順序改變。5 秒鐘後，顯示幕返回正常播放模式。
- 2 轉動 ◀▶▶▶ 控制撥盤直至找到所要的樂曲集 / 樂曲。播放開始。

*3 僅適用於 MP3 檔案。

*4 僅適用於 MP3 檔案，CD TEXT 光碟和 MD。

收音機

本機在每一波段上（FM1，FM2，FM3，MW 和 LW）最多可存儲 6 個電台。

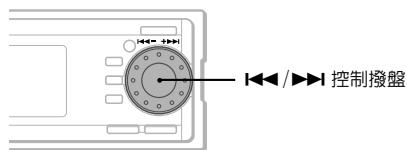
警告

當在駕車過程中要調諧電台時，須使用最佳調諧記憶功能，以免發生事故。

自動存儲電台

— 最佳調諧記憶功能（BTM）

本機在選定的波段上篩選信號最強的電台，並按照它們的頻率順序進行存儲。

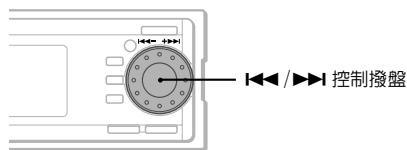


- 1 反覆按 **(SOURCE)** 按鈕，選擇收音機。
- 2 反覆按 **(MODE)** 按鈕選擇波段。
- 3 按 **(MENU)** 按鈕，然後轉動 **◀◀/▶▶** 控制撥盤，直至出現“BTM”。
- 4 按 **◀◀/▶▶** 控制撥盤。
當設定存儲完畢時，本機發出“嘟”的一聲。

注意

- 若因信號微弱之故僅能接收到很少電台，則某些存儲的號碼仍將保留其以前的設定。
- 當顯示幕上顯示一個數字時，本機會從當前顯示的數字開始存儲電台。

收聽已存儲的電台



- 1 反覆按 **(SOURCE)** 按鈕，選擇收音機。
- 2 反覆按 **(MODE)** 按鈕選擇波段。
- 3 轉動 **◀◀/▶▶** 控制撥盤直至找到所要的電台。

提示

按卡片式遙控器上存有所要電台的數字按鈕（①至⑥）直接選擇已存儲的電台。

如果預設的調諧無效

按 **◀◀** 或 **▶▶+** 按鈕搜索電台（自動調諧）。
當本機接收到一個電台時，掃描即停止。
如此反覆直至接收到所要的電台。

提示

- 如自動調諧中斷太頻繁，則開啓本地搜索功能，把搜索目標限制在信號較強的電台（參見第 24 頁“改變音響和顯示設定”）。
- 若您知道所要收聽的電台頻率，請按住 **◀◀** 或 **▶▶+** 按鈕找到近似頻率，然後反覆按 **◀◀** 或 **▶▶+** 按鈕精確調整到所要的頻率（手動調諧）。

若 FM 立體聲的收音狀況不良

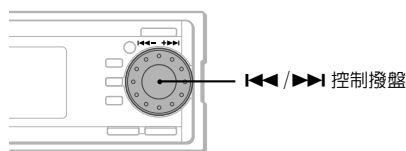
選擇單聲道收聽模式（參見第 24 頁“改變音響和顯示設定”）。
聲音狀況得到改善，但變成了單聲道（“ST”顯示消失）。

提示

如果很難收聽到 FM 廣播，請將 DSO 設定於“off”（第 25 頁）。

僅存儲所要的電台

您可以手動預設所要的電台。



- 1 反覆按 (SOURCE) 按鈕，選擇收音機。
- 2 反覆按 (MODE) 按鈕選擇波段。
- 3 按 ◀◀ 或 ▶▶ 按鈕調入您要存儲的電台。
- 4 按 (MENU) 按鈕，然後轉動 ◀◀/▶▶ 控制撥盤，直至出現 “Preset Edit”。
- 5 按 ◀◀/▶▶ 控制撥盤。
- 6 轉動 ◀◀/▶▶ 控制撥盤選擇您要存儲的數字。
- 7 按 ◀◀/▶▶ 控制撥盤。
已存入的電台指示即在顯示幕上出現。
- 8 按兩次 (MENU) 按鈕。

注意

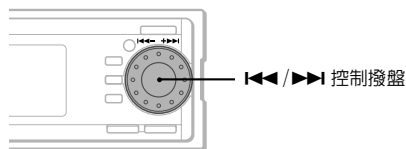
若您試圖在已存入的號碼上存儲另一個電台，則以前存入的電台將被消除。

用卡片式遙控器操作

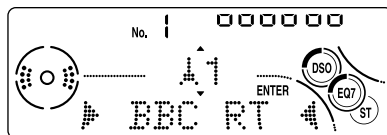
- 1 反覆按 (SOURCE) 按鈕，選擇收音機。
- 2 反覆按 (MODE) 按鈕選擇波段。
- 3 按 (SEEK-) 或 (SEEK+) 按鈕，調入想要存儲的電台。
- 4 按住所要的數字按鈕 (① 至 ⑥)，直至顯示 “MEM”。

通過列表調入電台

— 列表功能



- 1 在收音機接收過程中，按 (LIST) 按鈕片刻。
當前調入電台的頻率 and 賦予的電台名稱在顯示幕上閃爍。
5 秒鐘後，顯示幕返回正常播放模式。

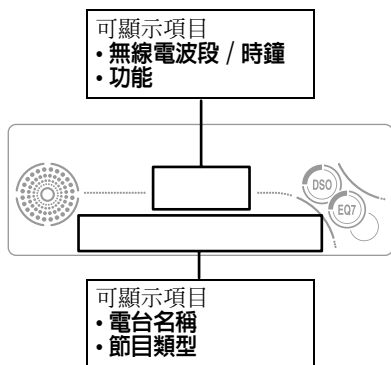


- 2 轉動 ◀◀/▶▶ 控制撥盤直至找到所要的電台。
若選擇的電台未指定名稱，則電台的頻率顯示在顯示幕上。
- 3 轉動 ◀◀/▶▶ 控制撥盤調入所要的電台。

RDS

RDS 概述

帶收音機資料系統 (RDS) 服務的 FM 電台在發送常規的收音機節目信號的同時還發送無聲的數碼資訊。例如, 接收帶有 RDS 功能的電台時, 將顯示下列資訊之一。



要 按

切換顯示項目 (DSPL/PTY)

RDS 服務

RDS 資料還可為您提供其他方便, 例如:

- 節目的自動重調諧, 在長距離駕車時很有用。— AF → 第 18 頁
- 在欣賞其他的節目 / 音源時, 接收交通通告。— TA → 第 19 頁
- 通過廣播的節目類型選擇電台。— PTY → 第 20 頁
- 自動設定時鐘。— CT → 第 21 頁

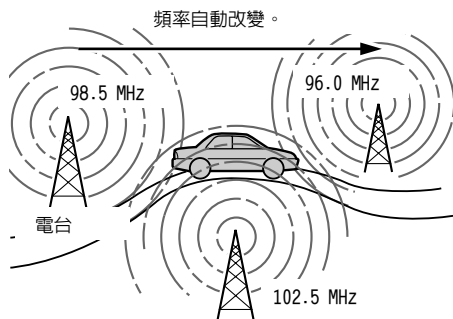
注意

- 根據國家或地區而定, 並非所有的 RDS 功能都可用。
- 如果信號強度很弱或者如果您調入的電台不發射 RDS 資料, 則 RDS 可能無法正確地工作。

用於最佳接收效果的自動調諧

— AF 功能

備用頻率 (AF) 功能允許收音機將該地區的最強信號調入您正在收聽的電台。



- 1 選擇一個 FM 電台 (第 16 頁)。
- 2 反覆按 (AF) 按鈕, 直至出現 “AF on”。本裝置開始在同一個網路中搜索信號更強的備用頻率。若 “NO AF” 指示閃爍, 表示當前調入的電台沒有備用頻率。

注意

當該地區沒有備用頻率時, 或當無需搜索備用頻率時, 請選擇 “AF off” 關閉 AF 功能。

對於沒有備用頻率的電台

電台名稱閃爍時, 請在 8 秒鐘內按 ←◀◀ 或 ▶▶+ 按鈕。

本裝置開始搜索有相同 PI (節目標示) 資料的另一頻率 (出現 “PI Seek” 顯示)。若本裝置無法找到相同的 PI, 則本裝置返回至先前選擇的頻率。

保留一個地區節目

當開啓 AF 功能時：本裝置的工廠設置設定將電台接收限制在一個指定的地區，因此您無法切換至頻率更強的另一個地區的電台。如果您離開該地區節目的接收範圍或希望利用整個 AF 功能，請從 MENU 中選擇“REG off”（第 24 頁）。

注意

本功能在英國及其他一些地區無效。

本地連接功能（僅限於英國） （用卡片式遙控器操作）

本功能允許您選擇本區域中其他本地電台，即使這些電台未存儲在數字按鈕上。

- 1 按存有本地電台的數字按鈕（① 至 ⑥）。
- 2 5 秒鐘之內，在此按該本地電台的數字按鈕。
- 3 如此反覆操作直至接收到所要的本地電台。

接收交通通告

— TA/TP

通過開啓交通通告（TA）和交通節目（TP），您可以自動調入正在廣播交通通告的 FM 電台。這些設定功能與 FM 節目或音源（CD/MD、AUX）無關；通告結束後本裝置返回原節目源。

反覆按 (TA) 按鈕，直至出現“TA on”。
本裝置開始搜索交通資訊電台。
“TP”表示此類電台的接收，在進行交通通告時“TA”閃爍。若顯示“NO TP”，本裝置將繼續搜索有 TP 的電台。

要取消所有的交通通告，請選擇“TA off”。

要	按
取消當前通告	(TA)

提示

您也可以通過按 (SOURCE) 或 (MODE) 按鈕取消當前通告。

預設交通通告的音量

您可以預設交通通告的音量電平，因此不會漏聽。

- 1 轉動 VOL 控制撥盤調整到所要的音量電平。
- 2 按住 (TA) 2 秒鐘。
出現“TA”顯示且設定被保存。

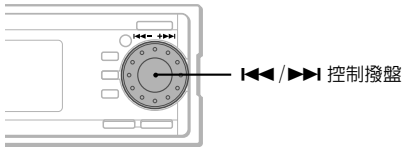
收聽緊急通告

若 AF 或 TA 開啓，在收聽 FM 電台、CD/MD 或 AUX 時，若有緊急通告本裝置將切換至緊急通告。

用 AF 和 TA 設定預設 RDS 電台

預設 RDS 電台時，本裝置將保存每個電台的 AF/TA 設定（開啓／關閉）及其頻率。您可以為單獨的預設電台選擇不同的設定（AF，TA 或兩者），或者為所有的預設電台選擇相同的設定。如果您用“AF on”預設電台，本裝置自動存儲無線電信號最強的電台。

為所有的預設電台預設相同的設定



- 1 選擇一個 FM 波段（第 16 頁）。
- 2 按 **(AF)** 和 / 或 **(TA)** 選擇“AF on”和 / 或“TA on”。
注意選擇“AF off”和“TA off”不僅存儲 RDS 電台，還存儲非 RDS 電台。
- 3 按 **(MENU)** 按鈕，然後轉動 **◀▶** 控制撥盤，直至出現“BTM”。
- 4 按住 **◀▶** 控制撥盤直至“BTM”閃爍。

為每個預設電台預設不同的設定 (用卡片式遙控器操作)

- 1 選擇一個 FM 波段，並調入所要的電台（第 17 頁）。
- 2 按 **(AF)** 和 / 或 **(TA)** 選擇“AF on”和 / 或“TA on”。
- 3 按所要的數字按鈕（**①** 至 **⑥**），直至顯示“MEM”。

從步驟 1 重複操作預設其他電台。

通過節目類型調入電台

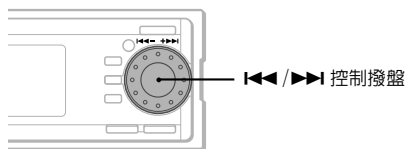
— PTY

您可以通過選擇想要收聽的節目類型來調入電台。

節目類型	顯示
新聞	News
當前事件	Affairs
資訊	Info
運動	Sport
教育	Educate
戲劇	Drama
文化	Culture
科學	Science
變化的	Varied
流行音樂	Pop M
搖滾樂	Rock M
輕鬆地收聽	Easy M
輕鬆的古典音樂	Light M
古典的	Classics
其他音樂類型	Other M
天氣	Weather
金融	Finance
兒童節目	Children
社會事件	Social A
宗教	Religion
呼入	Phone In
旅遊	Travel
空閒	Leisure
爵士樂	Jazz
鄉村音樂	Country
民族音樂	Nation M
老歌	Oldies
民間音樂	Folk M
記錄片	Document

注意

在某些沒有可使用的 PTY（節目類型選擇）資料的國家無法使用此功能。

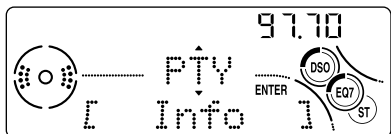


自動設定時鐘

— CT

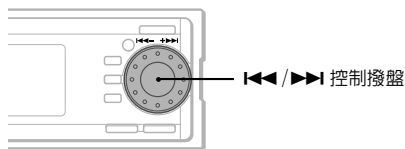
從 RDS 傳送的 CT (時鐘時間) 資料自動設定時鐘。

- 1 在收聽 FM 電台時反覆按 **(DSPL/PTY)** 直至出現 “PTY” 顯示。

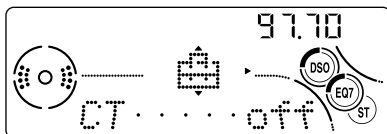


如果該電台正在發送 PTY 資料，則顯示當前的節目類型名稱。
如果接收的電台為非 RDS 電台，或未接收到 RDS 資料，則出現 “-----” 顯示。

- 2 轉動 **◀◀/▶▶** 控制撥盤直至出現所要的節目類型。
節目類型以上表所示的順序顯示。
如果節目類型不是 RDS 資料所指定的節目類型，則顯示 “-----”。
- 3 按 **◀◀/▶▶** 控制撥盤。
本裝置開始搜索正在廣播選定節目類型的電台。



- 1 在收音機接收中，按 **(MENU)** 按鈕，然後轉動 **◀◀/▶▶** 控制撥盤，直至出現 “CT off”。



- 2 反覆按 **▶▶+** 按鈕，直至出現 “CT on”。時鐘被設定。
- 3 按 **◀◀/▶▶** 控制撥盤返回正常顯示。

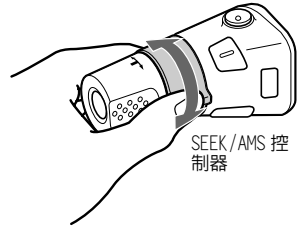
要取消 CT 功能，在步驟 2 中選擇 “CT off”。

注意

- 即使正在收聽 RDS 電台，CT 功能也可能不起作用。
- 用 CT 功能設定的時間可能與實際時間有差異。

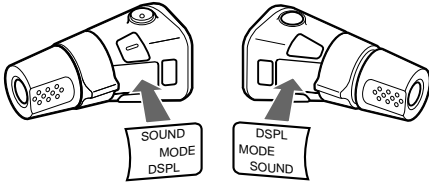
其它功能

您也可用旋轉式控制器（選購件）控制本機（和選購的 CD/MD 裝置）。



使用旋轉式控制器

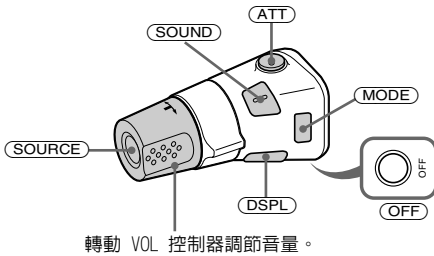
首先，根據您設想的旋轉式控制器安裝方式貼上合適的標籤。旋轉式控制器通過按按鈕和/或轉動控制器進行操作。



轉動然後鬆開，即可：

- 跳過樂曲。
 - 要連續跳過樂曲，轉動一次並在 1 秒鐘之內再次轉動並握住控制器。
 - 自動調入電台。
- 轉動、握住、然後鬆開，即可：
- 快進/後退一首樂曲。
 - 手動尋找電台。

通過按按鈕



推入並轉動控制器



推入並轉動控制器，即可：

- 收聽預設的電台。
- 在 CD (MD) 播放過程中更換光碟。*1
- 改變樂曲集。*4

按	要
SOURCE	改變音源（收音機/CD/MD*1/AUX）/開電源
MODE	改變操作（收音機波段/CD裝置/MD*1裝置）
ATT	減弱音量
OFF *2	停止播放或無線電接收/關電源
SOUND	選擇聲音選單
DSPL *3	改變顯示項目（持續 2 秒鐘以滾動顯示項目）

*1 僅當連接有相應的選購裝置時。

*2 如果您的汽車點火鑰匙開關上沒有 ACC（輔助）位置，熄火後必須按住 **OFF** 直至顯示消失。

*3 使用 RDS 功能時，若按下了旋轉式控制器的 **DSPL** 按鈕，則無法顯示 PTY 資料。

*4 僅在播放 MP3 檔案時適用。

播放 MP3 檔案時，您可以用旋轉式控制器選擇樂曲集。

（使用本機）

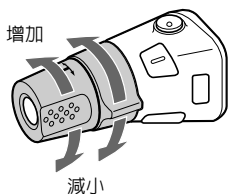
要	操作
跳過樂曲集	推入並轉動控制器〔每個樂曲集操作一次〕。
- 樂曲集選擇	要連續跳過樂曲集，推入並裝動（並握住）控制器。

(使用選購裝置)

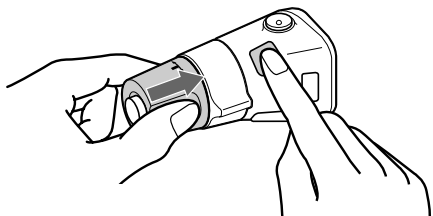
要	操作
跳過光碟 - 光碟選擇	推入並轉動控制器〔每張光碟操作一次〕。 要連續跳過光碟，推入並轉動一次並在 1 秒鐘之內再次轉動（並握住）控制器。
跳過樂曲集 - 樂曲集選擇	推入並轉動控制器〔保持片刻〕然後釋放。 要連續跳過樂曲集，在第一次釋放後的 1 秒鐘內再次推入並轉動控制器。

改變操作方向

控制器如下圖所示的操作方向為出廠設定。



若需要將旋轉式控制器安裝在汽車方向盤軸的右側，您可以將控制器的操作方向反置。

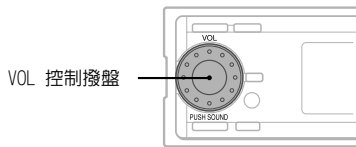


在推動 VOL 控制器的同時按住 **SOUND** 按鈕 2 秒鐘。

調節聲音特性

您可以調節低音、高音、平衡、音量衰減和超低音揚聲器的音量。

對每個音源可分別存儲其低音和高音電平，以及超低音揚聲器的音量。



- 1 按 **SOURCE** 按鈕選擇音源（收音機、CD、MD 或 AUX）。
- 2 反覆按 VOL 控制撥盤選擇所要調整的項目。每按一次 VOL 控制撥盤，項目變化如下：
DSO → EQ7 → BAS（低音）
→ TRE（高音）→ BAL（左-右）
→ FAD（前-後）
→ SUB（超低音揚聲器音量）
- 3 轉動 VOL 控制器調節選擇的項目。

注意

選擇了項目之後，須在 3 秒內進行調節。

快速降低音量

（用旋轉式控制器或卡片式遙控器）

按旋轉式控制器或卡片式遙控器上的

ATT 按鈕。

“ATT on”在顯示幕上出現片刻。

要恢復原先的音量電平時，請再按一次

ATT 按鈕。

提示

當車載電話的連接電纜連接在 ATT 導線上，則在有電話打入時本機會自動減小音量（電話 ATT 功能）。

改變音響和顯示設定

— 選單

您可設定以下項目：

設定

- Clock (第 11 頁)
- CT (時鐘時間) (第 21 頁)
- Beep — 打開或關閉“嘟嘟”警告聲。
- AUX-A (第 29 頁) — 打開或關閉 AUX 音源顯示。

顯示

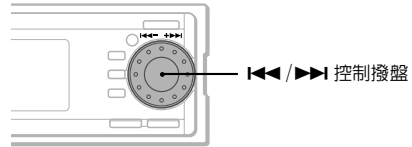
- D.Info (雙重資訊) — 同時顯示時鐘和播放模式 (開)。僅當 SA 未設定為 B-1 - B-5 時運行該功能。
- SA (頻譜分析儀) (第 28 頁) — 改變均衡器顯示的顯示方式。
- Demo
 - 選擇“on”啓動演示顯示。
 - 本裝置關閉後，演示顯示將顯示大約 10 秒鐘。
- Dimmer — 改變顯示幕亮度。
 - 選擇“Auto”，僅在打開汽車照明時使顯示幕變暗。
 - 選擇“on”使顯示幕變暗。
 - 選擇“off”關閉減光器。
- Contrast — 如果由於本裝置的安裝位置而導致顯示屏上的指示無法識別，則用來調整對比度。
- Color — 從 7 種顯示色彩中選擇。
- A.Scr1 (自動滾動)
 - 選“on”則滾動顯示所有長度超過 9 個字符的自動顯示的名稱。
 - 當自動滾動功能設為關閉，且光碟名 / 曲名改變時，光碟名 / 樂曲名不會滾動顯示。

播放模式

- Local on/off (本地搜索模式) (第 16 頁)
 - 選“on”則只調入信號較強的電台。
- Mono on/off (單聲道模式) (第 16 頁)
 - 選“on”則以單聲道收聽 FM 立體聲廣播。選擇“off”則返回正常模式。
- REG on/off (地區) (第 19 頁)

聲音

- EQ7 Tune (第 26 頁) — 調整均衡器曲線。
- HPF (高通濾波器) (第 26 頁)
- LPF (低通濾波器) (第 27 頁)
- Loud (高聲) — 在處於低音量時仍能欣賞到低音和高音。低音和高音將被增強。
- AUX Level (第 29 頁) — 調節連接的輔助設備的音量電平。



- 1 按 **(MENU)** 按鈕。
要設定 A.Scr1，則在 CD/MD 播放過程中按 **(MENU)** 按鈕。
- 2 轉動 **◀◀/▶▶** 控制撥盤直至出現所要的項目。
- 3 按 **◀◀** 或 **▶▶** + 按鈕選擇所要的設定 (例如：“on”或“off”)。
- 4 按 **◀◀/▶▶** 控制撥盤。
完成模式設定之後，顯示即返回正常播放模式。

注意

所顯示的項目根據音源不同而有所區別。

提示

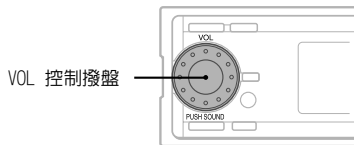
按住卡片式遙控器上的 **(DISC+)** 或 **(DISC-)** 按鈕並持續 2 秒鐘，可以方便地在各種類別中進行切換。

設定動態攝影棚管理器 (DSO)

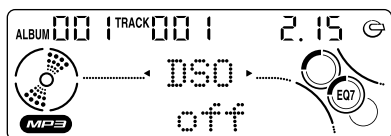
若您的揚聲器裝在車門的較低部位，則聲音將從下面傳出，且可能不清晰。

DSO（動態攝影棚管理器）功能創造出更加環繞的聲音，好似在儀表板內裝有多個揚聲器（虛擬揚聲器）。

您可以為每個音源存儲 DSO 設定。



- 1 按 **(SOURCE)** 按鈕選擇音源（收音機、CD、MD 或 AUX）。
- 2 反覆按 VOL 控制撥盤直至出現“DSO”顯示。



- 3 轉動 VOL 控制撥盤選擇“DSO on”或“DSO off”。
順時針方向轉動 VOL 控制撥盤為“on”，
逆時針方向轉動為“off”。
若要取消 DSO 功能，請選擇“DSO off”。
3 秒鐘後，顯示幕返回正常播放模式。

注意

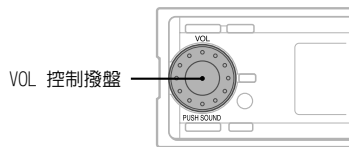
- 根據不同的汽車內部類型和音樂類型，DSO 功能不一定能得到滿意的效果。
- 如果很難收聽到 FM 廣播，請將 DSO 設定於“off”。

設定均衡器

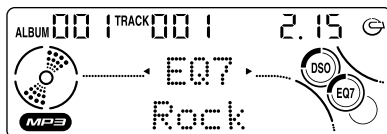
您可以為 7 種音樂類型（Xp1od，Vocal，Club，Jazz，New Age，Rock，和 Custom）選擇均衡曲線。

您可以為每個音源存儲不同的均衡器設定。

選擇均衡曲線



- 1 按 **(SOURCE)** 按鈕選擇音源（收音機、CD、MD 或 AUX）。
- 2 反覆按 VOL 控制撥盤直至出現“EQ7”顯示。



- 3 轉動 VOL 控制撥盤選擇所要的均衡曲線。
要取消均衡效果，選擇“off”。3 秒鐘後，顯示幕返回正常播放模式。

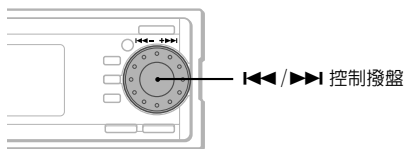
注意

DSO 設定為開時，均衡器設定自動調節為最佳的總體效果。

續下頁 →

調節均衡曲線

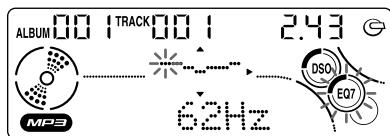
您可以存儲和調節均衡器設定的頻率和電平。



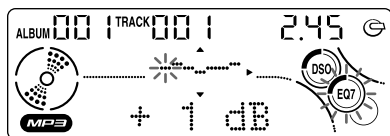
- 1 按 (SOURCE) 按鈕選擇音源 (收音機、CD、MD 或 AUX)。
- 2 按 (MENU) 按鈕，然後轉動 \lll / \ggg 控制撥盤，直至出現 “EQ Tune”。
- 3 按 \lll / \ggg 控制撥盤。
- 4 按 \lll 或 \ggg 按鈕選擇所要的均衡曲線，然後按 \lll / \ggg 控制撥盤。每按一次 \lll 或 \ggg 按鈕，項目發生改變。
- 5 選擇您所要的頻率和電平。

- 1 按 \lll 或 \ggg 按鈕選擇所要的頻率。
每按一次 \lll 或 \ggg 按鈕，頻率發生改變。

62 Hz ↔ 157 Hz ↔ 396 Hz ↔ 1.0 kHz ↔ 2.5 kHz ↔ 6.3 kHz ↔ 16 kHz



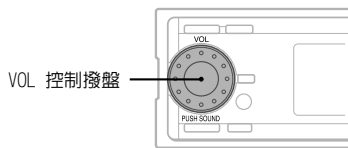
- 2 轉動 \lll / \ggg 控制撥盤調節所要電平。
音量電平以 1 dB 為遞級，從 -10 dB 至 +10 dB 進行調節。



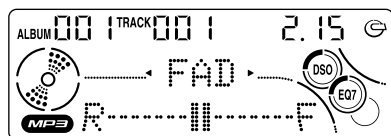
如要復原至出廠設定的均衡曲線，請按住 \lll / \ggg 按鈕持續 2 秒鐘。

- 6 按 \lll / \ggg 控制撥盤。
完成效果設定之後，顯示幕即返回正常播放模式。

調節前後揚聲器音量



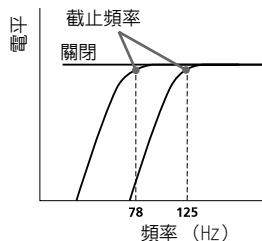
- 1 按 (SOURCE) 按鈕選擇音源 (收音機、CD、MD 或 AUX)。
- 2 反覆按 VOL 控制撥盤直至出現 “FAD” 顯示。

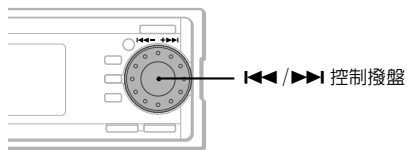


- 3 轉動 VOL 控制撥盤調節前 / 後揚聲器音量。
3 秒鐘後，顯示幕返回正常播放模式。

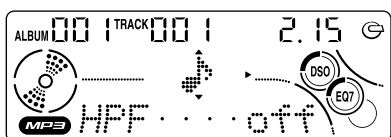
調節前 / 後揚聲器的截止頻率。

為了與所安裝的揚聲器系統特性相匹配，您可以選擇揚聲器的截止頻率。



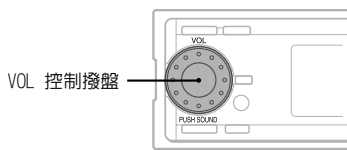


- 1 在播放中或無線電接收時，按 **(MENU)** 按鈕。
- 2 轉動 **◀▶** 控制撥盤直至出現“HPF”。

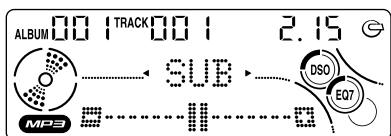


- 3 按 **◀** 或 **▶** 按鈕選擇截止頻率。每按一次 **◀** 或 **▶** 按鈕，頻率改變如下：
off (預設設定) ↔ 78 Hz ↔ 125 Hz
- 4 按 **◀▶** 控制撥盤。完成頻率設定之後，顯示幕即返回正常播放模式。

調節超低音揚聲器音量



- 1 按 **(SOURCE)** 按鈕選擇音源 (收音機、CD、MD 或 AUX)。
- 2 反覆按 **VOL** 控制撥盤直至出現“SUB”顯示。



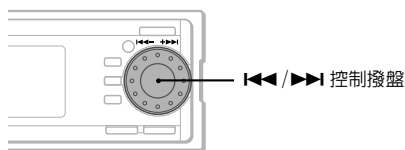
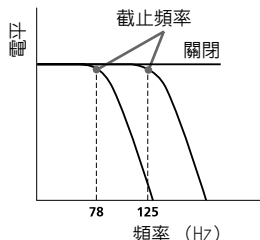
- 3 轉動 **VOL** 控制器調節音量。
3 秒鐘後，顯示幕返回正常播放模式。

提示

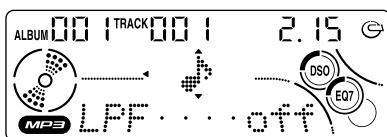
音量電平在 -10 dB 至 $+10\text{ dB}$ 之間可調。(低於 -10 dB 時，顯示“ $-\infty\text{ dB}$ ”)。

調節超低音揚聲器截止頻率

爲了與所連接的超低音揚聲器特性相匹配，您可以截斷不需要的高頻和中頻訊號進入超低音揚聲器。通過設定截止頻率 (見下圖)，超低音揚聲器將僅輸出低頻訊號，使您能獲得更清晰的聲像。



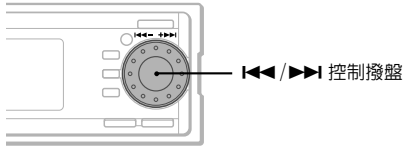
- 1 在播放中或無線電接收時，按 **(MENU)** 按鈕。
- 2 轉動 **◀▶** 控制撥盤直至出現“LPF”。



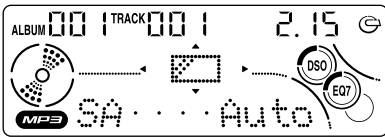
- 3 按 **◀** 或 **▶** 按鈕選擇截止頻率。每按一次 **◀** 或 **▶** 按鈕，頻率改變如下：
off (預設設定) ↔ 125 Hz ↔ 78 Hz
- 4 按 **◀▶** 控制撥盤。完成頻率設定之後，顯示幕即返回正常播放模式。

選擇頻譜分析儀

聲音訊號電平顯示在頻譜分析儀上。您可以從 10 種顯示方式 (A-1 至 A-5 或 B-1 至 B-5) 中選擇，或選擇所有方式都顯示的自動顯示模式。



- 1 按 **(SOURCE)** 按鈕選擇音源 (收音機、CD、MD 或 AUX)。
- 2 按 **(MENU)** 按鈕。
- 3 轉動 **◀◀/▶▶** 控制撥盤直至出現 “SA”。

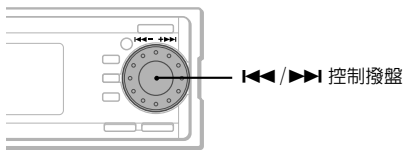


- 4 按 **-◀◀** 或 **▶▶+** 按鈕選擇所要的設定。
- 5 按 **◀◀/▶▶** 控制撥盤。

標註演示顯示

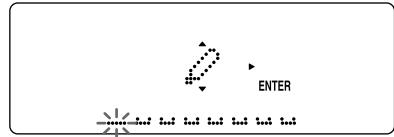
— 顯示字符

您可以用多達 64 字符來標註演示顯示，這些字符在關閉本裝置時出現。Demo 設定為 “on” 時，標籤在顯示幕上滾動顯示。(即使關閉電源該顯示也保持點亮)。



- 1 按 **(OFF)** 按鈕。
CD/MD 播放或無線電接收停止 (按鈕照明和顯示仍保留)。
- 2 按 **(MENU)** 按鈕，然後轉動 **◀◀/▶▶** 控制撥盤，直至出現 “Name Input”。

- 3 按 **◀◀/▶▶** 控制撥盤。



- 4 輸入字符。

- 1 按 **(DSPL/PTY)** 選擇字符類型。

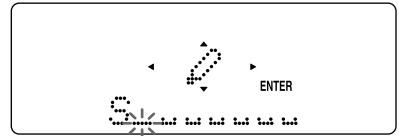
A → a → 0 → A

- 2 轉動 **◀◀/▶▶** 控制撥盤選擇所要的字符。

A ↔ B ↔ C ↔ ... X ↔ Y ↔ Z ↔
0 ↔ 1 ↔ 2 ... ! ↔ “ ↔ #
... ↔ * ↔ A

* (空格)

- 3 找到所需要的字符後按 **▶▶+** 按鈕。



如果按了 **-◀◀** 按鈕，則將返回到左邊字符。

- 4 重複步驟 1 至步驟 3，以輸入整個句子。

- 5 按 **◀◀/▶▶** 控制撥盤。

提示

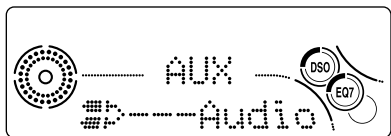
- 要更正或消除一個句子，僅需覆蓋寫入新名稱或輸入 “*”。
- 要刪除所有的句子，在操作完步驟 3 後，按住 **◀◀/▶▶** 控制撥盤並持續 2 秒鐘。

連接輔助音響設備

您可以用 AUX IN 連接器將輔助的音響設備連接至本裝置。

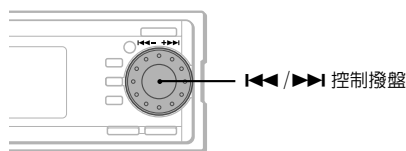
選擇輔助設備

反覆按 **(SOURCE)** 按鈕，選擇“AUX”。



調節音量電平

您可以為連接的各音響設備調節音量。



- 1 按 **(MENU)** 按鈕，然後轉動 **◀▶▶▶** 控制撥盤，直至出現“AUX Level”。
- 2 按 **◀▶▶▶** 控制撥盤。
- 3 轉動 **◀▶▶▶** 控制撥盤選擇所要的音量電平。
音量電平以 1 dB 為遞級，從 -6 dB 至 +6 dB 進行調節。
- 4 按 **◀▶▶▶** 控制撥盤。

要關閉音樂源顯示中的“AUX-A”

- 1 按 **(OFF)** 按鈕。
CD/MD 播放或無線電接收停止（按鈕照明和顯示仍保留）。
- 2 按 **(MENU)** 按鈕。
- 3 轉動 **◀▶▶▶** 控制撥盤直至出現“AUX-A on”。
- 4 按 **▶▶▶+** 按鈕選擇“AUX-A off”。
- 5 按 **(MENU)** 按鈕。

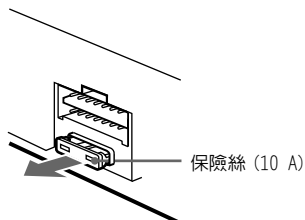
要恢復指示，選擇“AUX-A on”。

附加資訊

保養

更換保險絲

更換保險絲時，必須確保所使用的保險絲與原保險絲的安培數相同。若保險絲燒斷，請檢查電源連接並再更換保險絲。若保險絲更換後又被燒斷，則可能是內部故障。此時，請向最近的 Sony 經銷商諮詢。

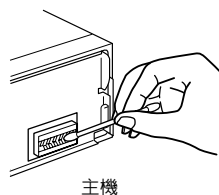


警告

切勿使用額定安培數超過本機附帶保險絲安培數的保險絲，否則會損壞本機。

清潔連接器

若本機與前面板之間的連接器不乾淨，則本機可能不能正常工作。為防止這種情況發生，請卸下前面板（第 10 頁），然後用蘸有酒精的棉籤清潔連接器。切勿施加太大的力量。否則，可能損壞連接器。



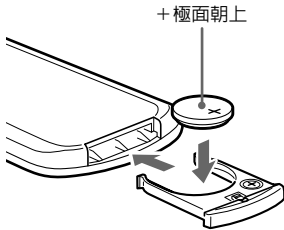
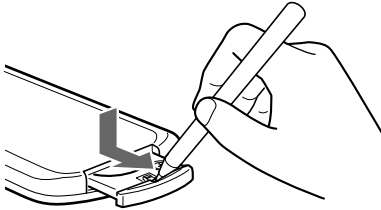
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注意

- 爲了安全起見，在清潔連接器之前，應關閉發動機並從點火開關上取出鑰匙。
- 千万不要用手指或任何金屬工具直接觸摸連接器。

更換鋰電池

一般情況下，電池能維持大約一年的時間。（根據使用狀況，使用壽命可能會變短一些。）當電池的電力變弱時，卡片式遙控器的操作距離將變短。此時，請更換一個新的CR2025 鋰電池。使用其他電池可能有引起火災或爆炸的危險。



鋰電池的注意事項

- 鋰電池應放在兒童不易觸及的地方。萬一誤吞了電池，請立即找醫生。
- 用乾布擦拭電池，以保持接觸良好。
- 安裝電池時，必須保證極性正確。
- 別用金屬鑷子去夾電池，否則會引起短路。

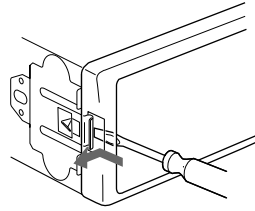
警告

電池處置不當會引起電池爆炸。
切勿對電池充電，拆解或投入火中。

拆卸本機

1 拆卸前蓋

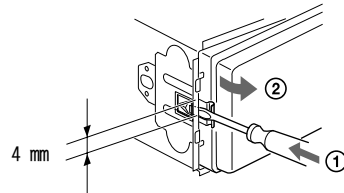
- ❶ 卸下前面板（第 10 頁）。
- ❷ 使用薄的螺絲刀按壓前蓋內的鎖緊搭扣。



- ❸ 對另一側重複步驟 ❷。

2 拆卸本機

- ❶ 使用薄的螺絲刀插入本機左側的鎖緊搭扣，然後拉出本機左側，直至鎖緊搭扣脫離安裝位置。



- ❷ 對右側重複步驟 ❶。
- ❸ 將本機從安裝位置滑出。

規格

CD 播放機部分

信噪比	95 dB
頻率響應	10–20,000 Hz
抖晃率	低於可測限制

調諧器部分

FM

調諧範圍	87.5–108.0 MHz
天線端子	外接天線連接器
中頻	10.7 MHz/450 kHz
可用靈敏度	8 dBf
選擇度	400 kHz 時為 75 dB
信噪比	66 dB (立體聲), 72 dB (單聲道), 0.6 % (立體聲), 0.3 % (單聲道)
1 kHz 時諧波失真	1 kHz 時 35 dB
分離度	30 – 15,000 Hz
頻率響應	

MW/LW

調諧範圍	MW: 531 – 1,602 kHz LW: 153 – 279 kHz
天線端子	外接天線連接器
中頻	10.7 MHz/450 kHz
靈敏度	MW: 30 μ V LW: 40 μ V

功率放大器部分

輸出	揚聲器輸出 (可靠密封連接器)
揚聲器阻抗	4–8 Ω
最大功率輸出	52 W \times 4 (4 Ω 時)

一般情況

輸出	音頻輸出 (前/後) 超低音揚聲器輸出 (單聲道) 電動天線繼電控制端子 功率放大器控制端子 電話 ATT 控制端子 照明控制端子 BUS 控制輸入端子 BUS 音頻輸入端子 AUX IN 端子 遙控器輸入端子 天線輸入端子
輸入	100 Hz 時低音 \pm 8 dB 100 Hz 時高音 \pm 8 dB 10 kHz 時 +2 dB 12 V DC 汽車電池 (負接地)
音調控制	約 178 \times 50 \times 182 mm (寬/高/深)
響度	約 182 \times 53 \times 161 mm (寬/高/深)
電源要求	約 1.6 kg 安裝和連接用部件 (一套) 前面板盒 (1) 卡片式遙控器 RM-X113 無線旋轉式控制器 RM-X6S 有線旋轉式控制器 RM-X4S
尺寸	BUS 電纜 (附帶一根 RCA 針型導線) RC-61 (1 m), RC-62 (2 m)
安裝尺寸	CD 換碟機 (6 碟式) CDX-T70MX, CDX-T69
質量	MD 換碟機 (6 碟式) MDX-66XLP
提供的附件	MG Memory Stick System-up Player MGS-X1 音源選擇器 XA-C30 AUX-IN 選擇器 XA-300
選購附件	
選購裝置	

注意

本裝置不能連接至數位前置放大器或與 Sony BUS 系統相容的均衡器。

設計和規格若有變更，恕不另行通知。

故障排除

下列檢查表有助於解決您使用本機時可能遇到的問題。

在使用下面的檢查表之前，請檢查連接和操作步驟是否正確。

一般情況

操作按鈕無效。

按 RESET 按鈕。

無聲。

- 轉動 VOL 控制器調節音量。
- 取消 ATT 功能。
- 將雙路揚聲器系統的衰減控制設定在中心位置。

記憶內容已被消除。

- 已按下 RESET 按鈕。
→再將設定存入記憶中。
- 電源線或電池已被斷開。
- 電源連接線未被正確連接。

無“嘟嘟”聲。

“嘟嘟”聲功能被取消（第 24 頁）。

顯示從顯示窗口消失或不出現在顯示窗口中。

- 如果按住 (OFF) 按鈕，顯示消失。
→再次按住 (OFF) 按鈕直至出現顯示。
- 拆卸前面板，然後清潔連接器。詳細資訊參見第 29 頁“清潔連接器”。

儲存之電台及正確走時被消除。

保險絲已熔斷。

點火鑰匙處於 ON、ACC 或 OFF 位置時，裝置會產生噪聲。

導線與汽車輔助電源連接器未正確匹配。

裝置無供電。

- 檢查電源的連接。若一切正常，則請檢查保險絲。
- 汽車不具有 ACC 位置。
→按 (SOURCE) 開啓本裝置。

本機始終處於通電狀態。

汽車不具有 ACC 位置。

→關閉發動機後，必須按住裝置上的 (OFF) 不放，直至顯示消失。

電動伸縮天線未伸出。

電動伸縮天線未裝繼電器。

CD/MD 播放

無法開始播放。

- MD 有缺陷或 CD 髒了。
- 由於錄製設備或光碟狀況的原因，有些 CD-R/CD-RW 可能無法播放。

無法播放 MP3 檔案。

- 未依照 ISO 9660 level 1 或 level 2 格式，或擴展格式中的 Joliet 或 Romeo 進行錄製。
- 未將檔案擴展名“.MP3”加入檔案名稱。
- 檔案未以 MP3 格式保存。

MP3 檔案的開始播放時間較其他檔案長。

- 以下光碟要花費較長時間才能開始播放。
 - 以複雜的樹形架構錄製的光碟。
 - 以 Multi Session 錄製的光碟。
 - 能增加資料的光碟。

聲音顫動產生跳音。

- 本機安裝角度大於 30°。
- 本機未安裝在汽車上較堅固的位置。

跳音。

- 光碟有缺陷或髒了。
- CD-R/CD-RW 被損壞。

無法關閉“-----”指示。

您已進入名稱編輯模式。

→按住 (LIST) 按鈕 2 秒鐘。

無線電接收

不能預設調諧。

- 將正確的頻率存儲在記憶體內。
- 廣播訊號太弱。

無法接收電台。

有噪音干擾。

- 請連接電動天線控制導線（藍色）或輔助電源導線（紅色）至汽車天線升壓器的電源導線。（當您的汽車僅在後/側玻璃內有內置 FM/MW/LW 天線時。）
- 檢查汽車天線的連接。
- 自動天線不能上升。
→ 檢查電動天線控制導線的連接。
- 檢查頻率。
- DSO 模式開啓時，聲音有時會受到噪音的影響。
→ 將 DSO 模式設定為“off”（第 25 頁）。

不能自動調諧。

- 本地搜尋模式設定在“on”。
→ 將本地搜尋模式設定在“off”（第 24 頁）。
- 廣播訊號太弱。
→ 進行手動調諧。

“ST”指示閃爍。

- 精確地調諧電台頻率。
- 廣播訊號太弱。
→ 設定至單聲道接收模式（第 24 頁）。

收聽到的立體聲廣播節目是單聲道。

本機處在單聲道接收模式。
→ 取消單聲道接收模式（第 24 頁）。

RDS

收聽幾秒鐘後開始搜索。

該電台為非 TP 電台或信號微弱。
→ 反覆按 (AF) 或 (TA) 按鈕直至出現“AF off”或“TA off”。

無交通通告。

- 開啓“TA”。
- 該電台儘管為 TP 電台但不廣播交通通告。
→ 調入另一個電台。

PTY 顯示為“-----”。

- 當前電台為非 RDS 電台。
- 未接收 RDS 資料。
- 該電台未指定節目類型。

出錯顯示 / 資訊

出錯顯示

（用於本機和選購的 CD/MD 換碟機）

下述指示將閃爍 5 秒鐘左右，隨之將聽到警告聲。

Blank *1

MD 上沒有錄製樂曲。*2
→ 播放錄製有樂曲的 MD。

Error *1

- CD 髒了或 CD 上下裝反了。*2
→ 將 CD 擦拭乾淨或正確地裝入 CD。
- 由於某些原因，CD/MD 不能播放。*2
→ 裝入另一張 CD/MD。

High Temp

環境溫度高於 50°C。
→ 等待本機溫度低於 50°C。

NO Disc

CD/MD 裝置中未裝入光碟。
→ 將光碟裝入 CD/MD 裝置。

NO Mag

光碟匣未裝入 CD/MD 裝置。
→ 將光碟匣裝入 CD/MD 裝置。

NO Music*1

插入了不是音樂檔案的 CD。
→ 插入音樂 CD。

Not Ready

MD 裝置 (MDX-40) 的蓋子被打開或 MD 未被正確地裝入。
→ 關上蓋子或正確地裝入 MD。

Push Reset

因某些原因 CD/MD 裝置不能工作。
→ 按下本機的 RESET 按鈕。

*1 當 CD/MD 換碟機與本機連接時，CD 或 MD 的光碟號碼出現在顯示幕上。

*2 造成錯誤的光碟號碼出現在顯示幕上。

續下頁 →

如果這些解答仍無法助您改善情況，請向距您最近的 Sony 經銷商諮詢。

資訊

LCL Seek +/-

在自動調諧時，Local Seek 模式為開啓狀態（第 16 頁）。

NO AF

當前電台沒有備用頻率。

“LLLL”或“rrrr”

您已到達光碟的開頭或結尾，無法再繼續向前。

關於 ID3 標記版本 2

播放含有 ID3 標記版本 2 的 MP3 檔案時會發生以下情況，但這都不是故障：

– 當正在跳過 ID3 標記版本 2 一個部分時（位於樂曲的開頭）沒有聲音輸出。

跳躍時間視 ID3 版本 2 容量將發生變化。

例如：64 kbyte 節的時間為 2 秒鐘（使用 RealJukebox）。

– 當正在跳過 ID3 標記版本 2 的一個部分時所顯示的已播放時間不是準確的時間。

對於除 128 kbps 比特速率之外的 MP3 檔案，當播放時，其時間不能準確顯示。

– 當 MP3 檔案是由 MP3 轉換軟體（如：RealJukebox*）所建立，ID3 標記版本 2 將被自動寫入。

* “RealJukebox 是 RealNetworks 公司的註冊商標。”

自 2001 年 12 月起