

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-F7700

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 8).
- Discs recorded in Multi Session can be played, depending on the recording method (page 8).
- Optional CD/MD units (both changers and players)*¹.
- ID3 tag*² version 1.0, 1.1, 2.2, 2.3 or 2.4 information (displayed when an MP3 file is played).
- CD TEXT information (displayed when a CD TEXT disc*³ is played).
- **Supplied controller accessory**
Card remote commander RM-X140
- **Optional controller accessory**
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.

BBE[®]MP
DIGITAL

The BBE MP process improves digitally compressed sound, such as MP3, by restoring and enhancing the higher harmonics lost through compression. BBE MP works by generating even-order harmonics from the source material, effectively recovering warmth, detail and nuance.

CLASS 1
LASER PRODUCT

This label is located on the bottom of the chassis.

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* Functions available with optional CD/MD unit

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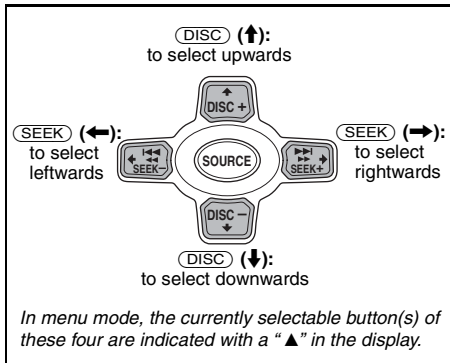
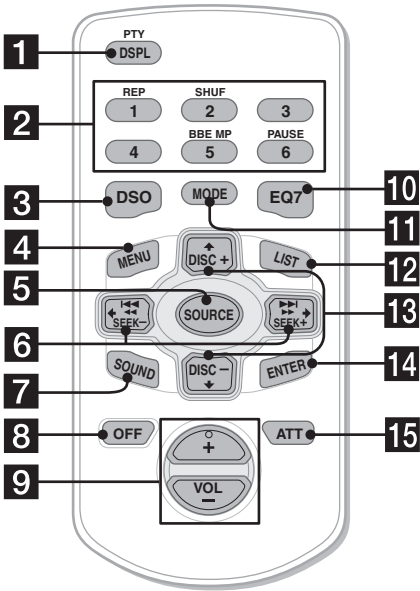
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Location of controls

Card remote commander RM-X140



Refer to the pages listed for details.

1 DSPL/PTY (display mode change/ programme type) button 13, 16, 19, 22, 25

2 Number buttons

Radio:

To store stations/receive stored stations.

CD/MD:

①: REP 14

②: SHUF 15

⑥: PAUSE*1 12

Sound:

⑤: BBE MP*1 24

3 DSO button 27

4 MENU button

To display the menus.

5 SOURCE (Power on/Radio/CD/MD*2/ AUX*3) button

To select the source.

6 SEEK/AMS (←/→) buttons

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

7 SOUND button 24

8 OFF (Stop/Power off) button 12, 29

9 VOL (+/-) buttons

To turn up or down the volume.

10 EQ7 button 26

11 MODE button

To change operation.

12 LIST button 16, 18**13 DISC (ALBUM) (↑/↓) buttons**

To receive preset stations/change the disc*4, skip albums*5/select a menu.

14 ENTER button

To enter a setting.

15 ATT button 25

*1 Available only when playing back on this unit.

*2 When an optional MD unit is connected.

*3 Available only when an optional Sony portable device is connected to AUX IN terminal of the unit. When you connect a Sony portable device and CD/MD unit(s) at the same time, use the AUX IN selector.

*4 When an optional CD/MD unit is connected.

*5 Available only when an MP3 file is played.

Note

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

Tip

For details on how to replace the battery, see "Replacing the lithium battery" on page 30.

Selecting a disc and album

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

(With this unit)

To	Press
Skip albums*6 – Album selection	↑ or ↓ [once for each album] To continuously skip albums, press and hold either button.

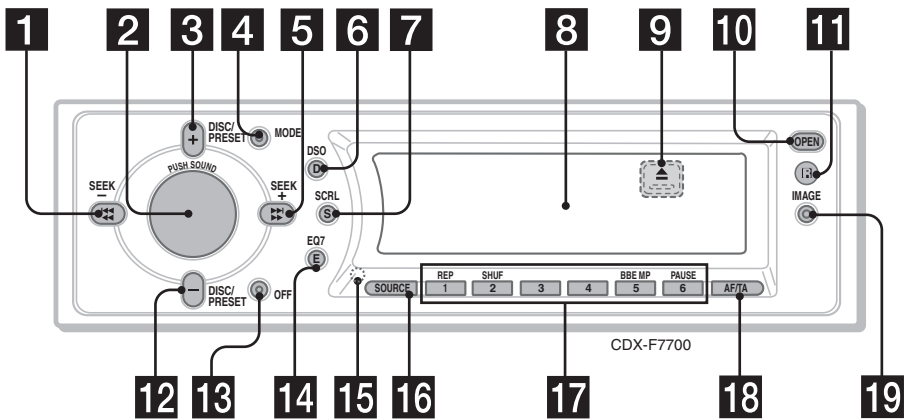
(With optional unit)

To	Press
Skip discs – Disc selection	↑ or ↓ [once for each disc] To continuously skip discs, press once and press again within about 1 second (and hold) either button.
Skip albums*6 – Album selection	↑ or ↓ [hold for a moment] and release. To continuously skip albums, press (and hold) within about 1 second of first releasing the button.

*6 Available only when an MP3 file is played.

Skipping tracks continuously

Press once either SEEK/AMS (← or →) button, then press again within about 1 second and hold.



The buttons on the unit share the same functions as those on the card remote commander.

1 5 SEEK/AMS (|<<<<|>>>>|) buttons

2 Volume control dial/SOUND button

Rotate to:

– Adjust the volume.

– Adjust the sound settings.

Press to:

– Select the sound items.

3 12 DISC (ALBUM)/PRESET (+/-) buttons

4 MODE button

6 DSO button

7 SCRL (scroll) button

8 Display window

9 ▲ (eject) button (located on the front side of the unit, behind the front panel) 12, 12

10 OPEN button 10, 12, 12

11 Receptor for the card remote commander

13 OFF (Stop/Power off) button*

14 EQ7 button

15 RESET button (located on the front side of the unit, behind the front panel) 10

16 SOURCE button

17 Number buttons

18 AF/TA button 19, 20, 20, 21, 21

19 IMAGE button 28

* 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.

Precautions

- If your car has been parked in direct sunlight, allow the unit to cool off before operating it.
- Power aerial will extend automatically while the unit is operating.

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

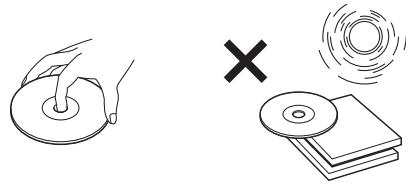
On a rainy day or in a very damp area, moisture condensation may occur inside the lenses and display of the unit. Should this occur, the unit will not operate properly. In such a case, remove the disc and wait for about an hour until the moisture has evaporated.

To maintain high sound quality

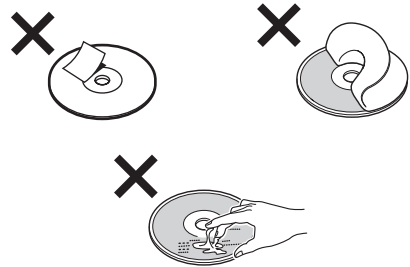
Be careful not to splash juice or other soft drinks onto the unit or discs.

Notes on discs

- To keep a disc clean, do not touch its surface. Handle the disc by its edge.
- Keep your discs in their cases or disc magazines when not in use.
- Do not subject discs to heat/high temperature. Avoid leaving them in a parked car or on a dashboard/rear tray.



- 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.
- You cannot play 8 cm CDs.

continue to next page →

- Before playing, clean the 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*2.

You can use a disc recorded in Multi Session*3.

*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 Expansion format

Joliet: The maximum number of characters for album (folder) names/track (file) names that can be displayed is 32 each.

Romeo: The maximum number of characters for album (folder) names/track (file) names that can be displayed is 64 each.

*3 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

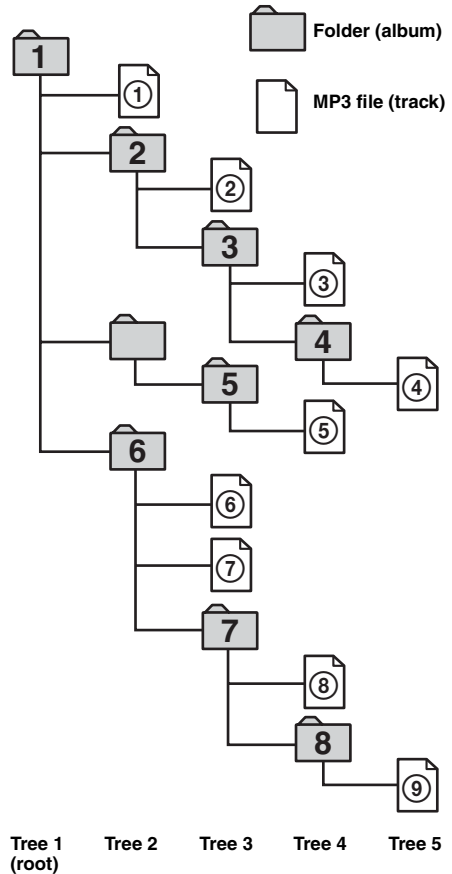
- With formats other than ISO 9660 level 1 and level 2, folder names or file names may not be displayed correctly.
- When naming, be sure to add the file extension “.mp3” to the file name.
- If you put the extension “.mp3” to a file other than MP3, the unit cannot recognize the file properly and will 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.
- If you play a high-bit rate MP3 file such as 320 kbps, sound may be intermittent.

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 of the first session is played back.
 - Any data in subsequent sessions is skipped.
- 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) is played 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:



Notes

- A folder that does not include an MP3 file is skipped.
- When you insert a disc with many trees, it takes a longer time to start playback. We recommend that you make only 1 or 2 trees for each disc.
- Maximum folder number: 150 (including root folder and empty folders)
- The maximum number of MP3 files and folders that can be contained in a disc: 300
When a file/folder name contains many characters, this number may become less than 300.

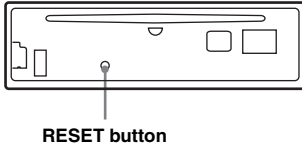
Tip

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.



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.

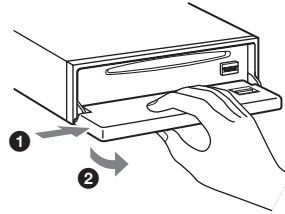
Caution alarm

If you turn the ignition switch to the OFF position without removing the front panel, the caution alarm will beep for a few seconds. If you connect an optional amplifier and do not use the built-in amplifier, the beep sound will be deactivated.

1 Press **OFF** *.

CD/MD playback or radio reception stops (the key illumination and display remain on).
* If your car has no ACC (accessory) 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 **OPEN**, then slide the front panel to the right, and gently pull out the left end of the front panel.



Notes

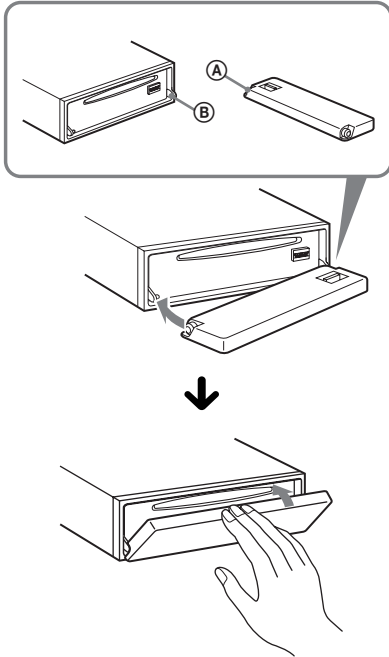
- If you detach the panel while the unit is still turned on, the power will turn off automatically to prevent the speakers from being damaged.
- Do not drop or put excessive pressure on the front panel and its display window.
- Do not subject the front panel to heat/high temperature or moisture. Avoid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

Tip

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

Attaching the front panel

Place hole (A) of the front panel onto the spindle (B) on the unit, then lightly push the left side in. Press (SOURCE) on the unit (or insert a CD) to operate the unit.



Note
Do not put anything on the inner surface of the front panel.

Setting the clock

The clock uses a 24-hour digital indication.

Example: To set the clock to 10:08

- 1 Press (MENU), then press \uparrow or \downarrow repeatedly until "Clock Adjust" appears.



- 1 Press (ENTER).
The hour indication flashes.
- 2 Press \uparrow or \downarrow to set the hour.
- 3 Press \rightarrow .
The minute indication flashes.
- 4 Press \uparrow or \downarrow to set the minute.

- 2 Press (ENTER).



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

Tips

- You can set the clock automatically with the RDS feature (page 22).
- When Clock mode is set to "on," the time is displayed (page 25).

CD Player

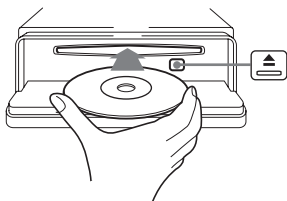
CD/MD Unit (optional)

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

Playing a disc

(With this unit)

- 1 Press **OPEN** on the unit and insert the disc (labelled side up).



- 2 Close the front panel.
Playback starts automatically.

If a disc is already inserted, press **SOURCE** repeatedly until “CD” appears to start playback.

To	Press
Pause*1	6 (PAUSE)
Stop playback	OFF
Eject the disc	OPEN then ▲ on the unit
Skip tracks – Automatic Music Sensor	SEEK (◀/▶) [once for each track]
Fast-forward/ reverse – Manual Search	SEEK (◀/▶) [hold to desired point]
Skip albums*2 – Album selection	DISC (↑/↓) [hold to desired point]

*1 Pause is available only when playing back on this unit (when playing back on the optional unit, pause is not available). To cancel pause, press **6** (PAUSE) again.

*2 Available only when an MP3 file is played.

To skip tracks continuously, press **◀** or **▶**, then press again within about 1 second and hold.

Notes

- Before playing a track, this unit reads all track and album information on the disc. Depending on the track structure, it may take more than a minute before playback begins. During this time, “Read” is displayed. Play will automatically start when reading is complete.
- Depending on the condition of the disc, it may not play back (page 7, 8).
- While the first/last track on the disc is playing, if **◀** or **▶** is pressed, playback skips to the last/first track of the disc.
- When the last track on the disc is over, playback restarts from the first track of the disc.
- If you play a high-bit rate MP3 file such as 320 kbps, sound may be intermittent.

(With optional unit)

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

To	Press
Skip discs – Disc selection	(DISC) (↑/↓) [once for each disc]
Skip albums*2 – Album selection	(DISC) (↑/↓) [hold to desired point]

*1 MS: MG Memory Stick System-up Player MGS-X1
*2 Available only when an MP3 file is played.

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." When "MS" appears in the source display, MGS-X1 starts to play. When "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." When your desired MD unit appears in the source display, it starts to play. When "MS" or another MD unit appears in the source display, press **(MODE)** to select your desired MD unit, to start playback.

Notes when playing back a disc with non-audio CD data/MP3 file

If a disc with non-audio CD data/MP3 file is inserted:
– in the case of this unit, "NO Music" appears in the display, and the display becomes the clock display (CD playback stops).

– in the case of an optional MP3 compatible CD unit, "NO Music" appears in the display and playback of the next disc starts.

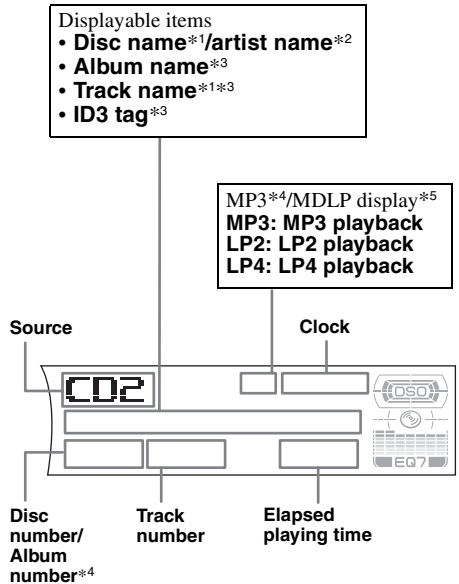
– in the case of an optional CD unit, which is incompatible with MP3, the disc will play back with no sound.

Note

With an optional unit connected, playback of the same source will continue on to the optional CD/MD unit.

Display items

When the disc/album/track changes, any prerecorded title*1 of the new disc/album/track is automatically displayed. (If the A.Scroll (Auto Scroll) function is set to "on," names exceeding 12 characters will be scrolled (page 25).)



To	Press
Switch display item	(DSPL) (PTY)
Scroll display item	(SCRL) on the unit

*1 When pressing **(DSPL)** (PTY), "NO Disc Name" or "NO Track Name" indicates that there is no Disc Memo (page 15) 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.

*4 Available only when an MP3 file is played.

*5 Available only when an optional MD unit with the MDLP function is connected, and an MDLP disc is played.

continue to next page →

Notes

- Some characters cannot be displayed.
- For some CD TEXT discs or ID3 tags 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 1.0, 1.1, 2.2, 2.3 and 2.4.
- Some characters and signs cannot be displayed (appear as "□"). The maximum number of displayable characters for an album (folder) name/track (file) is 64 (Romeo) or 32 (Joliet); ID3 tag 30 characters (1.0 and 1.1) or 126 characters (2.2, 2.3 and 2.4).
- 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 the A.Scroll (Auto Scroll) function is set to "off," and the disc/album/track is changed, the disc/album/track name or ID3 tag does not scroll.

Playing tracks repeatedly


— Repeat Play

You can select:

- REP-Track — to repeat the current track.
- REP-Album*1 — to repeat the tracks in the current album.
- REP-Disc*2 — to repeat the tracks in the current disc.

*1 Available only when an MP3 file is played.

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

During playback, press  (REP) repeatedly until the desired setting appears in the display.

Repeat Play starts.

To return to normal play mode, select "REP-off."

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 in the current disc in random order.
- SHUF-Changer*² — to play the tracks in the current optional CD (MD) changer 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 when an MP3 file is played.

*² Available only when one or more optional CD (MD) changers are connected.

*³ Available only when one or more optional CD units, or two or more optional MD units are connected.

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

Shuffle Play starts.

To return to normal play mode, select “SHUF-off.”

Note

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

Labelling a CD

— Disc Memo (When connecting 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 16).

1 Start playing the disc you want to label in a CD unit with the CUSTOM FILE function.

2 Press (MENU), then press ↑ or ↓ repeatedly until “Name Edit” appears.

3 Press (ENTER).



4 Enter the characters.

1 Press ↑*¹ repeatedly to select the desired character.

A → B → C ... → 0 → 1 → 2 ... → +
→ - → * ... → ...*² → A

*¹ For reverse order, press ↓.

*² (blank space)

2 Press → after locating the desired character.



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

3 Repeat steps 1 and 2 to enter the entire name.

5 Press (ENTER).

The unit returns to normal play mode.

continue to next page →

Tips

- Simply overwrite or enter “...” to correct or erase a character.
- 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.

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 press ↑ or ↓ repeatedly until “Name Delete” appears.
- 4 Press (ENTER).
The stored names will appear.
- 5 Press ↑ or ↓ repeatedly to select the disc name you want to erase.
- 6 Press (ENTER) 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 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.
- If you have already erased all of the Disc Memo, “NO Data” appears and the unit returns to normal play mode in step 4 or 6.

Locating a disc by name

— List-up (When connecting a CD unit with the CD TEXT/CUSTOM FILE function, or an MD unit)

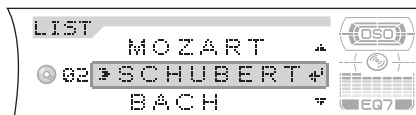
You can use this function for discs that have been assigned custom names*1 or for CD TEXT discs*2.

*1 Locating a disc by its custom name: when you assign a name for a CD (page 15) 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 During playback, press (LIST).

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



2 Press ↑ or ↓ repeatedly until you find the desired disc.

3 Press (ENTER) to play the disc.

Note

Some letters cannot be displayed (exception: the letters stored by Disc Memo).

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 press **↑** or **↓** repeatedly until “BTM” appears.
- 4 Press **(ENTER)**.

The unit stores stations in the order of their frequencies on the number buttons.
A beep sounds when the setting is stored.

Notes

- If only a few stations can be received due to weak signals, some number buttons 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 Press the number button (**①** to **⑥**) on which the desired station is stored.

Tip

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

If preset tuning does not work

Press **←** or **→** 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. For details, see “Changing the sound and display settings” on page 25.
- If you know the frequency of the station you want to listen to, press and hold **←** or **→** to locate the approximate frequency, then press **←** or **→** repeatedly to fine adjust to the desired frequency (manual tuning).

If FM stereo reception is poor

Select monaural reception mode

For details, see “Changing the sound and display settings” on page 25.

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

Tip

If FM broadcasts are difficult to hear, set DSO to “OFF” (page 27).

Storing only the desired stations

You can manually preset the desired stations on any chosen number button.

- 1 Press **(SOURCE)** repeatedly to select the radio.
- 2 Press **(MODE)** repeatedly to select the band.
- 3 Press **←** or **→** to tune in the station that you want to store.
- 4 Press the desired number button (**①** to **⑥**) for 2 seconds until “Memory” appears.

The number button indication appears in the display.

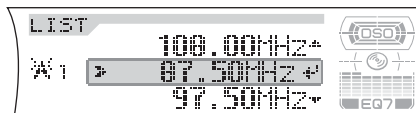
Note

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

Tuning in a station through a list

— List-up

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



- 2 Press **↑** or **↓** repeatedly until you find the desired station.

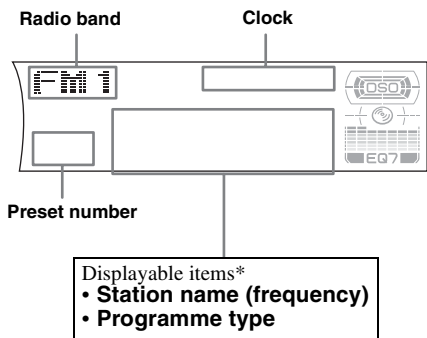
If no name is assigned to the selected station, the frequency appears in the display.

- 3 Press **(ENTER)** to tune in the 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.



* For details, see "Tuning in stations by programme type" on page 21.

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 19
- Receiving **traffic announcements**, even when enjoying another programme/source. — TA → page 20
- Selecting stations by the **type of programme**. — PTY → page 21
- Automatic **clock time** setting. — CT → page 22

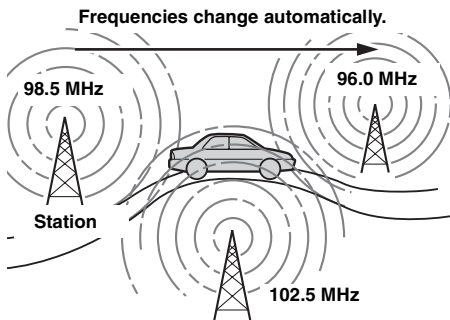
Notes

- Depending on the country/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 (Alternative Frequencies)

The 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 17).

2 Press (AF/TA) on the unit 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 into station does not have an alternative frequency.

To cancel the AF function, select "AF, TA-off."

Tips

- If "AF-on" is selected, traffic announcements are cancelled. To activate the traffic announcements with the AF function, select "AF, TA-on."
- If you want to change the on/off setting while playing a CD, press (AF/TA) on the unit.

continue to next page →

For stations without alternative frequencies

Press **←** or **→** 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 AF function is on: this unit's factory setting restricts reception to a specific region, so you will not 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 "Regional-off" from the Menu (page 26).

Note

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

Local Link function (United Kingdom only)

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 (Traffic Announcement)/TP (Traffic Programme)

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

Press **(AF/TA)** on the unit 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 "AF, TA-off."

To	Press
Cancel current announcement	(AF/TA) on the unit

Tips

- If "TA-on" is selected, the AF function is cancelled. To activate the AF function with traffic announcements, select "AF, TA-on."
- 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 Press **(VOL +)** or **(VOL -)** to adjust the desired volume level.
- 2 Press **(AF/TA)** on the unit 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 or CD/MD/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 17).
- 2 Press **(AF/TA)** on the unit repeatedly to select "AF-on," "TA-on" or "AF, TA-on."
Note that selecting "AF, TA-off" applies to non-RDS stations as well as RDS stations.
- 3 Press **(MENU)**, then press **↑** or **↓** repeatedly until "BTM" appears.
- 4 Press **(ENTER)**.
BTM flashes.

Presetting different settings for each preset station

- 1 Select an FM band, and tune in the desired station (page 17).
- 2 Press **(AF/TA)** on the unit repeatedly to select "AF-on," "TA-on" or "AF, TA-on."
- 3 Press the desired number button (**1** to **6**) for 2 seconds until "Memory" appears.
Repeat from step 1 to preset other stations.

Tip

If you want to change the AF/TA setting while you are playing a CD, press **(AF/TA)** on the unit.

Tuning in stations by programme type

— PTY (Programme types)

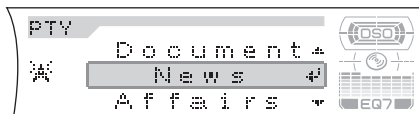
You can tune in a station by selecting the type of programme you would like to listen to.

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/regions 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 Press **↑** or **↓** repeatedly until the desired programme type appears.

The programme types appear in the order shown in the table.

“NO Data” appears if the programme type is not specified in the RDS data.

- 3 Press **(ENTER)**.

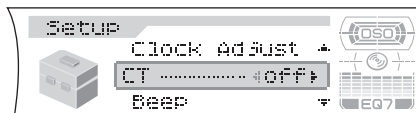
The unit starts searching for a station broadcasting the selected programme type.

Setting the clock automatically

— CT (Clock Time)

The CT data from the RDS transmission sets the clock automatically.

- 1 During radio reception, press **(MENU)**, then press **↑** or **↓** repeatedly until “CT-off” appears.



- 2 Press **→** repeatedly until “CT-on” appears.

The clock is set.

- 3 Press **(ENTER)** to return to the normal display.

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

Notes

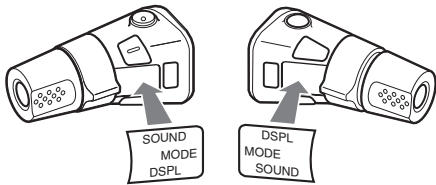
- The CT function may not work even though an RDS station is being received.
- There might be a difference between the time set by the CT function and the actual time.

Other Functions

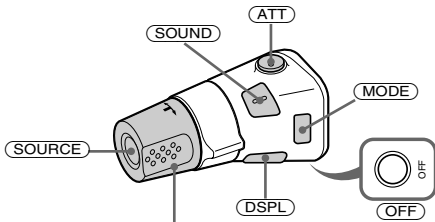
You can also control the unit (and optional CD/MD units) with a rotary commander (optional).

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.



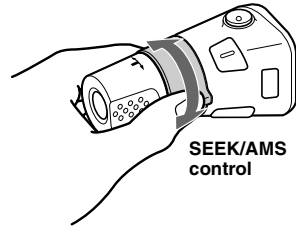
By pressing buttons



Rotate the VOL control to adjust the volume.

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

By rotating the control



SEEK/AMS control

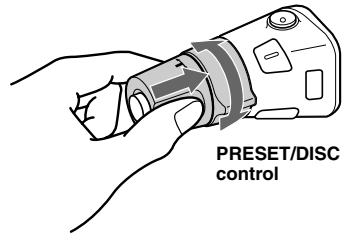
Rotate and release to:

- 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



PRESET/DISC 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 Available only when an optional Sony portable device is connected to AUX IN terminal of the unit. When you connect a Sony portable device and CD/MD unit(s) at the same time, use the AUX IN selector.

*³ 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.

*⁴ Available only when an MP3 file is played.

continue to next page →

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

(With this unit)

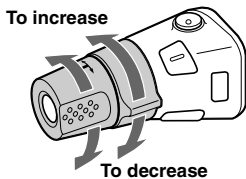
To	Do this
Skip albums – Album selection	Push in and rotate [once for each album] the control. To continuously skip albums, push in and rotate (and hold) the control.

(With optional unit)

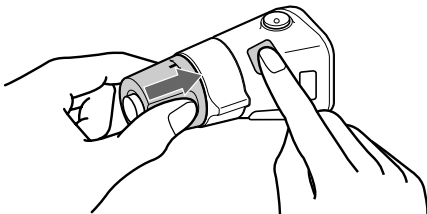
To	Do this
Skip discs – Disc selection	Push in and rotate [once for each disc] the control. To continuously skip discs, push in and rotate once and rotate again within about 1 second (and hold) the control.
Skip albums – Album selection	Push in and rotate the control [hold for a moment] and release.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

Tip
You can also change the operative direction of these controls with the unit (page 25).

Adjusting the sound characteristics

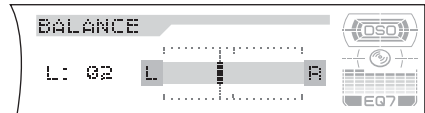
You can adjust the bass, treble, balance, fader, and subwoofer volume.

1 Press **(SOUND)** repeatedly to select the desired item.

Each time you press **(SOUND)**, the item changes as follows:

BASS (bass) → **TREBLE (treble)** →
BALANCE (left-right) →
FADER (front-rear) →
SUB (subwoofer volume)

2 Adjust the level of a selected item by pressing **←** or **→**.



After 3 seconds, the display returns to the normal play mode.

Note

Adjust within 3 seconds after selecting the item.

Tips

- When adjusting with the unit, press **(SOUND)** repeatedly and then rotate the volume control dial.
- When adjusting with the rotary commander, press **(SOUND)** repeatedly and then rotate the VOL control.

Changing the BBE MP setting

The BBE MP process effectively adds warmth and provides clear CD quality sound even from heavily compressed MP3 material.

During playback on this unit, press **(5)** (BBE MP) to select “BBE MP-on.”

To cancel the BBE MP, select “BBE MP-off.”

Note

The BBE MP function is available only when playing back on this unit (when playing back on the optional unit, BBE MP is not available).

Tip

You can change the BBE MP setting only when playing back on this unit.

Quickly attenuating the sound

(With the rotary commander or the card remote commander)

Press **(ATT)**.

“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:

Setup

- Clock Adjust (page 11)
- CT (Clock Time) (page 22)
- Beep — to turn the beeps on or off.
- RM (Rotary Commander) — to change the operative direction of the controls of the rotary commander.
 - Select “Normal” to use the rotary commander at the factory-set position.
 - Select “Reverse” when you mount the rotary commander on the right side of the steering column.
- AUX-A (page 29) — to turn the AUX source display on or off.

Display

- Clock (Clock Information) — to display the clock and the play mode at the same time (on).
- A.IMG (Auto Image) (page 28) — to step through the display images of one or all display modes.
- Demo (Demonstration) — to turn the demonstration display on or off. (When the unit is turned off.)
 - Select “on” to activate demonstration display.
 - Select “off” to deactivate the demonstration mode.
- Info (Display Information) — to display the display items (depending on the source, etc.) at the bottom of the display while a display image is displayed:
 - Select “on” to display the display items, and by pressing **(DSPL)** (PTY), the display item will change.
 - Select “off” to not display any display items.
- 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.
- A.Scroll (Auto Scroll) (page 13)
 - Select “on” to scroll automatically displayed names exceeding 12 characters.
 - When the Auto Scroll function is set to “off” and the disc/album/track is changed, the disc/album/track name or ID3 tag does not scroll.

continue to next page →

Sound

- EQ7 Tune (page 27) — to adjust the equalizer curve.
- HPF (High pass filter) — to select the cut-off frequency to “78Hz,” “125Hz” or “off.”
- LPF (Low pass filter) — to select the cut-off frequency to “78Hz,” “125Hz” or “off.”
- 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.

Receive Mode

- AF on/off (Alternative frequencies) (page 19)
- Local on/off (Local seek mode) (page 17)
 - Select “on” to only tune into stations with stronger signals.
- Mono on/off (Monaural mode) (page 17)
 - Select “on” to hear FM stereo broadcast in monaural.
 - Select “off” to return to normal mode.
- Regional on/off (page 20)

1 Press **(MENU)**.

2 Press **↑** or **↓** repeatedly until the desired item appears.

3 Press **←** or **→** to select the desired setting (Example: “on” or “off”).

4 Press **(ENTER)**.

After the mode setting is complete, 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 **↑** or **↓** for 2 seconds.

Setting the equalizer (EQ7)

You can select an equalizer curve for 7 music types (Xplod, VOCAL, CLUB, JAZZ, NEWAGE, ROCK, CUSTOM), and OFF (equalizer off).

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

You can store the EQ7 setting for each source.

Selecting the equalizer curve

1 Press **(SOURCE)** to select a desired source.

2 Press **(EQ7)** repeatedly to select a desired equalizer curve.

Each time you press **(EQ7)**, the item changes.



To cancel the equalizing effect, select “OFF.” After 3 seconds, the display returns to the normal play mode.

Adjusting the equalizer curve

- 1 Press **(MENU)**.
- 2 Press **↑** or **↓** repeatedly until “EQ7 Tune” appears, then press **(ENTER)**.
- 3 Press **←** or **→** to select the desired equalizer curve, then press **(ENTER)**. Each time you press **←** or **→**, the item changes.
- 4 Select the desired frequency and level.

- 1 Press **←** or **→** to select the desired frequency.

Each time you press **←** or **→**, the frequency changes as follows:
62Hz ↔ 157Hz ↔ 396Hz ↔ 1.0kHz
↔ 2.5kHz ↔ 6.3kHz ↔ 16kHz



- 2 Press **↑** or **↓** to adjust the desired volume level.

The volume level is adjustable by 1 dB steps from -10 dB to +10 dB.



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

- 5 Press **(ENTER)**.

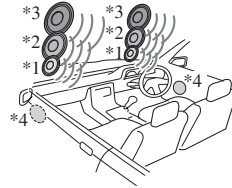
After the effect setting is complete, the display returns to the normal play mode.

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).

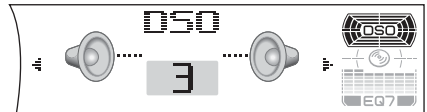
You can store the DSO setting for each source.



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

- 1 Press **(SOURCE)** to select a desired source.

- 2 Press **(DSO)** to select “1, 2, 3” or “OFF.”



To cancel the DSO mode, select “OFF.”
After 3 seconds, the display returns to the normal play mode.

Notes

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

Selecting the display mode and display image

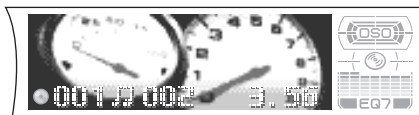
You can select from 3 different display modes. You can also select various display images in Wallpaper mode (1-5), Spectrum analyzer mode (1-5) and Movie mode (1-3).

Note

The default setting of Auto Image mode is "A.IMG-All." After a few seconds of releasing **(IMAGE)** on the unit, the unit returns to Auto Image mode. If you want to display a display image, set to "A.IMG-off" (page 28).

Selecting the display image

- 1 Press **(SOURCE)** to select a desired source.
- 2 Press **(IMAGE)** on the unit repeatedly to select the desired display image.
Example: Wallpaper mode



Each time you press **(IMAGE)** on the unit, the display image changes as follows:

- Wallpaper mode 1-5 →
- Spectrum analyzer mode 1-5 →
- Movie mode 1-3 → normal play mode

To cancel this mode, select normal play mode.

Selecting the Auto Image mode

Auto Image mode automatically steps (every 10 seconds) through the display images of one or all display modes as follows:

- A.IMG-All — to shuffle repeatedly the display images in all display modes.
- A.IMG-SA — to step repeatedly through the display images of Spectrum analyzer mode.
- A.IMG-Movie — to step repeatedly through the display images of Movie mode.

- 1 Press **(SOURCE)** to select a desired source.
- 2 Press **(MENU)**.
- 3 Press **↑** or **↓** repeatedly until "A.IMG" appears.



- 4 Press **←** or **→** repeatedly to select the desired setting.
- 5 Press **(ENTER)**.

To cancel Auto Image mode, select "A.IMG-off."

Tips

- During Auto Image mode, if you press **(IMAGE)** on the unit, the display image will change. After a few seconds of releasing **(IMAGE)** on the unit, this unit returns to the former Auto Image setting.
- If you set Info mode to "off," no display items will appear (page 25).

Connecting auxiliary audio equipment

The unit's AUX IN (external audio input) terminal on this unit is also used as the BUS AUDIO IN (audio input) terminal.

You can listen to the sound from your car speakers by connecting optional Sony portable devices.

Note

If you connect an optional Sony CD/MD unit, you cannot connect any portable devices and "AUX" will not appear in the display as a source. When you connect a Sony portable device and CD/MD unit(s) at the same time, use the AUX IN selector.

Selecting auxiliary equipment

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



Adjusting the volume level

You can adjust the volume for each connected audio equipment.

- 1 Press **(MENU)**.
- 2 Press **↑** or **↓** repeatedly to select "AUX Level."
- 3 Press **(ENTER)**.
- 4 Press **↑** or **↓** repeatedly to select a desired volume level.
The volume level is adjustable in 1 dB steps from -6 dB to +6 dB.
- 5 Press **(ENTER)**.

To deactivate auxiliary equipment in the source display

- 1 Press **(OFF)**.
CD playback or radio reception stops.
- 2 Press **(MENU)**.
- 3 Press **↑** or **↓** repeatedly until "AUX-A-on" appears.
- 4 Press **→** to select "AUX-A-off."
- 5 Press **(MENU)**.

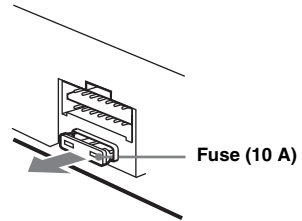
To restore the indication, select "AUX-A-on."

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.



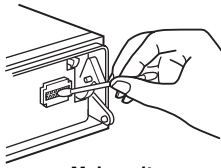
Warning

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

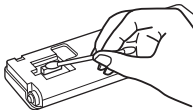
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Cleaning the connectors

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.



Main unit



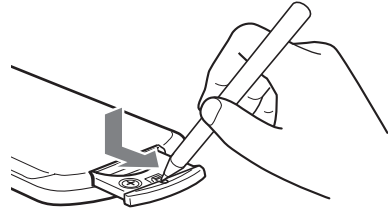
Back of the front panel

Notes

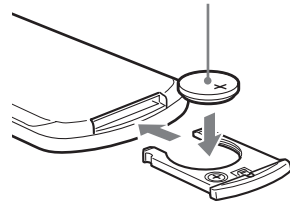
- For safety, turn off the ignition before cleaning the connectors, and remove the key from the ignition switch.
- Never touch the connectors directly with your fingers or with any metal device.

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.



+ side up



Notes on lithium battery

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

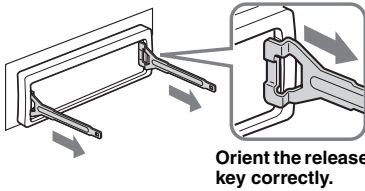
WARNING

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

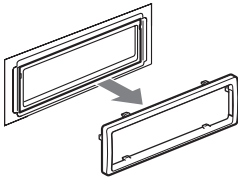
Removing the unit

1 Remove the protection collar.

- 1 Detach the front panel (page 10).
- 2 Engage the release keys together with the protection collar.

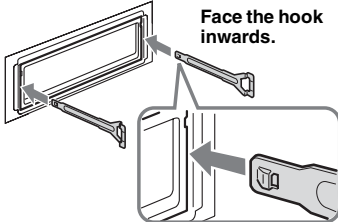


- 3 Pull out the release keys to remove the protection collar.

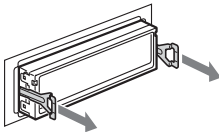


2 Remove the unit.

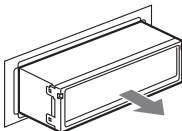
- 1 Insert both release keys together until they click.



- 2 Pull the release keys to unseat the unit.



- 3 Slide the unit out of the mounting.



Specifications

CD Player section

Signal-to-noise ratio	120 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	9 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	67 dB (stereo), 69 dB (mono)
Harmonic distortion at 1 kHz	0.5 % (stereo), 0.3 % (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

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 output terminals (front/rear) Subwoofer output terminal (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 or 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 178 mm (w/h/d)
Mounting dimensions	Approx. 182 \times 53 \times 161 mm (w/h/d)
Mass	Approx. 1.3 kg
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1) Card remote commander RM-X140
Optional accessories	Rotary commander RM-X4S BUS cable (supplied with an RCA pin cord) RC-61 (1 m), RC-62 (2 m)
Optional equipment	CD changer (10 discs) CDX-757MX, CDX-656X CD changer (6 discs) CDX-T70MX MD changer (6 discs) MDX-66XLP DVD changer DVX-100S Source selector XA-C30 AUX-IN Selector XA-300

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

No sound.

- Press **(VOL)** (+) to adjust the volume.
- Cancel the ATT function.
- Set the fader control to the centre position for a 2-speaker system.
- You tried to play back MP3 files with an optional CD unit which is incompatible with MP3.
→ Play back with a Sony MP3 compatible CD unit, such as the CDX-757MX.

The contents of the memory have been erased.

- The RESET button has been pressed.
→ Store again into the memory.
- The power lead or battery has been disconnected.
- The power connecting lead is not connected properly.

No beep sound.

- The beep sound is cancelled (page 25).
- An optional power amplifier is connected and you are not using the built-in amplifier.

The display disappears from/does not appear in the display window.

- The display disappears if you press and hold **(OFF)**.
→ Press and hold **(OFF)** again until the display appears.
- Remove the front panel and clean the connectors. For details, see “Cleaning the connectors” on page 30.

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)** (or insert a disc) to turn on the unit.

The power is continuously supplied to the unit.

The car does not have an ACC position.

The power aerial does not extend.

The power aerial does not have a relay box.

CD/MD playback

A disc cannot be loaded.

- Another CD is already loaded.
- The CD is forcibly inserted upside down or in the wrong way.

Playback does not begin.

- Defective MD or dirty CD.
- CD-R/CD-RW that is not finalized.
- You tried to play back a CD-R/CD-RW not designed for audio use.
- 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.

A disc is automatically ejected.

The ambient temperature exceeds 50°C.

The operation buttons do not function. CD will not be ejected.

Press the RESET button.

The sound skips from vibration.

- The unit is installed at an angle of more than 45°.
- The unit is not installed in a sturdy part of the car.

The sound skips.

Dirty or defective disc.

continue to next page →

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 the car's aerial booster. (Only if your car has a 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 27).

Automatic tuning is not possible.

- The local seek mode is set to "on."
→ Set the local seek mode to "off" (page 26).
- 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 26).

A programme broadcast in stereo is heard in monaural.

- The unit is in monaural reception mode.
→ Cancel monaural reception mode (page 26).

RDS

The Seek starts after a few seconds of listening.

- The station is non-TP or has weak signal.
→ Press **(AF/TA)** on the unit repeatedly until "AF, 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.

Failure

- The connection of speakers/amplifiers is incorrect.
→ See the installation guide manual of this model to check the connection.

High Temp

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

NO Disc*1

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

NO Magazine

- The disc magazine is not inserted in the CD unit.
→ Insert the magazine in the CD unit.

NO Music*2

- A CD which is not a music file is inserted in the MP3 playable CD unit.
→ Insert a music CD in the MP3 playable CD unit.

Offset

- There may be an internal malfunction.
→ Check the connection. If the error indication remains on in the display, consult your nearest Sony dealer.

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.

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

Messages

Local Seek +/-

The local seek mode is on during automatic tuning (page 17).

NO AF

There is no alternative frequency for the current station.

“... ” or “... ”

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

鳴謝惠顧！

感謝您惠購 Sony 光碟播放機。使用以下附件，您更能涉越於本機的多項功能：

- MP3 檔案播放。
- 可播放能新增一個片段的 CD-R/CD-RW (第 8 頁)。
- 視錄製方法而定，可以播放以 Multi Session 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 標記*2 版本 1.0、1.1、2.2、2.3 或 2.4 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)。
- **提供的操作附件**
卡片式遙控器 RM-X140
- **選購的操作附件**
旋轉式控制器 RM-X4S

*1 此裝置僅與 Sony 產品一起使用。

*2 ID3 標記是一種 MP3 檔案，它包含了諸如樂曲集名稱、演員名和樂曲名稱等資訊。

*3 CD TEXT 光碟是一種音頻 CD，它包含了諸如唱碟名稱、演員名和樂曲名稱之類的資訊。這些資訊記錄在光碟上。

BBE® MP
DIGITAL

BBE MP 處理通過恢復和增強由於壓縮失去的更高的諧波來提高 MP3 等數位壓縮的聲音。BBE MP 通過從音源素材中產生順序連貫的諧波從而起到有效地恢復親切感、詳細和音調細微差別的作用。

CLASS 1
LASER PRODUCT

此標籤位於機殼的底部。

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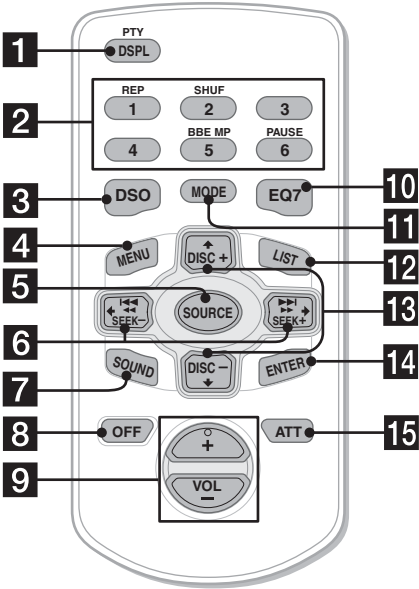
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控制器位置

卡片式遙控器 RM-X140



詳細說明，請參見列出頁。

1 DSPL/PTY (顯示模式變換 / 節目類型) 按鈕 13, 16, 19, 22, 25

2 數字按鈕

收音機：

用來儲存電台 / 收聽已存儲的電台。

CD/MD：

① : REP 14

② : SHUF 15

⑥ : PAUSE*1 12

聲音：

⑤ : BBE MP*1 24

3 DSO 按鈕 27

4 MENU 按鈕

用來顯示選單。

5 SOURCE (電源打開 / 收音機 / CD/MD*2 / AUX*3) 按鈕

用來選擇音源。

6 SEEK/AMS (←/→) 按鈕

用來跳過樂曲 / 快進，倒退一個樂曲 / 自動調入電台，手動調台 / 選擇設定。

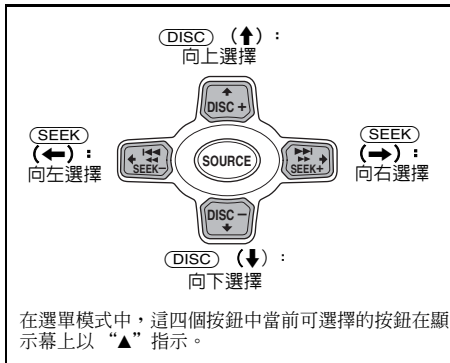
7 SOUND 按鈕 24

8 OFF (停止 / 電源關閉) 按鈕 12, 29

9 VOL (+/-) 按鈕

用來調高或調低音量。

10 EQ7 按鈕 26



11 MODE 按鈕

用來改變操作。

12 LIST 按鈕 16, 18**13 DISC (ALBUM) (↑/↓) 按鈕**

用來接收預設電台 / 更換光碟*4，跳過 樂曲集*5 / 選擇選單。

14 ENTER 按鈕

用來輸入設定。

15 ATT 按鈕 25

*1 只有當在本機上播放時才有效。

*2 當連接有 MD 選購裝置時。

*3 只有當選購的 Sony 手提式裝置連接到本機的 AUX IN 端子時才有效。當您同時連接 Sony 手提式裝置和 CD/MD 裝置時，請使用 AUX IN 選擇器。

*4 當連接有 CD/MD 選購裝置時。

*5 僅在播放 MP3 檔案時適用。

註

如果顯示是通過按 (OFF) 消失的，則只有先按裝置上的 (SOURCE) 或插入光碟來啟動裝置，否則將無法用卡片式遙控器操作裝置。

提示

關於如何更換電池，請參見第 30 頁 “更換鋰電池”。

選擇光碟和樂曲集

使用 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 *6 - 樂曲集選擇	↑ 或 ↓ [每個樂曲集按一次] 要連續跳過樂曲集，按住其中一個鍵不放。

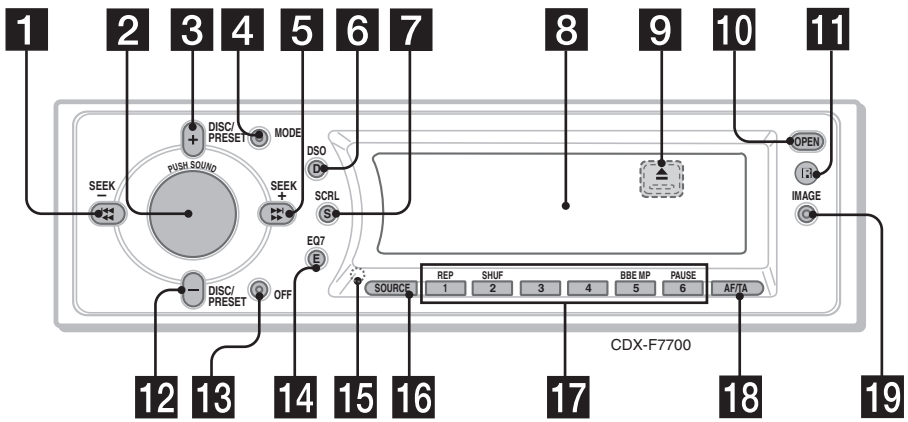
(使用選購裝置)

要	按
跳過光碟 - 唱碟選擇	↑ 或 ↓ [每張光碟一次] 要連續跳過光碟，按一次並在約 1 秒鐘之內再次按住其中一個鍵不放。
跳過樂曲集 *6 - 樂曲集選擇	↑ 或 ↓ [保持片刻] 並釋放。 要連續跳過樂曲集，在第一次釋放後約 1 秒鐘內再次按住該按鈕。

*6 僅在播放 MP3 檔案時適用。

連續跳過樂曲

按一次 SEEK/AMS (← 或 →) 按鈕，然後在 1 秒鐘內再次按下並保持不放。



裝置上的按鈕與卡片式遙控器上的對應按鈕具有相同的功能。

1 **5** SEEK/AMS (◀◀◀/▶▶▶) 按鈕

2 音量控制撥盤 / SOUND 按鈕

旋轉，用來：

- 調節音量。
- 調節聲音設定。

按下可以：

- 選擇聲音項目。

3 **12** DISC (ALBUM) /PRESET (+/-) 按鈕

4 MODE 按鈕

6 DSO 按鈕

7 SCRL (滾動) 按鈕

8 顯示窗

9 ▲ (退出) 按鈕 (位於本機正面，前面板後面) 12, 12

10 OPEN 按鈕 10, 12, 12

11 卡片式遙控器感應器

13 OFF (停止 / 電源關閉) 按鈕 *

14 EQ7 按鈕

15 RESET 按鈕 (位於本機正面，前面板後面) 10

16 SOURCE 按鈕

17 數字按鈕

18 AF/TA 按鈕 19, 20, 20, 21, 21

19 IMAGE 按鈕 28

* 將本機安裝在點火開關上沒有 ACC (輔助) 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。

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。
- 本機工作時，電動天線將自動伸出。

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。

關於濕氣凝結

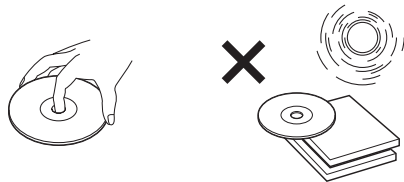
在雨天或非常潮濕的地區，本機的透鏡和顯示幕內會產生濕氣凝結。一旦如此，本機將無法正常運行。此時，請將光碟取出，並等待約一小時，直至濕氣蒸發。

為保持高品質聲音

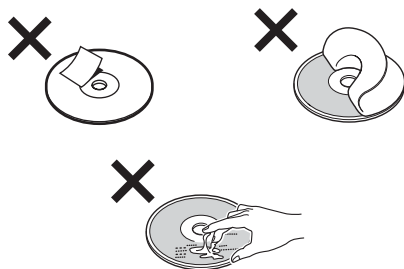
時刻當心，切勿將果汁或其它飲料濺在本機或光碟上。

光碟注意事項

- 為保持光碟清潔，切勿接觸其表面。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。
- 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。使用此類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）。
 - 不能正確讀取聲音資料（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。
- 本機不能播放 8cm 光碟。

續下頁 →

- 在播放之前，請使用商用清潔布清潔光碟。從光碟的中心向外擦拭。切勿使用酒精、稀釋劑、市場銷售的清潔劑，以及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，這些光碟中可能會有不符合 CD 標準的光碟，且可能無法使用本產品播放。

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 唱碟（視光碟錄製時所用設備或光碟狀況而定）。
- 本機無法播放尚未最終化* 的 CD-R/CD-RW 唱碟。
- 您可以播放錄製在 CD-ROM，CD-R 和 CD-RW 上的 MP3 檔案。
- 可播放能新增一個片段的 CD-R/CD-RW。

* 為使錄製的 CD-R/CD-RW 唱碟能在音頻 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*2 中的 Joliet 或 Romeo。您可以使用以 Multi Session*3 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 個字元，擴展名“.mp3”中不能超過 3 個字元）且為大寫字母。資料夾名稱不能超過 8 個字元。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 個字元。

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 擴展格式

Joliet：每個樂曲集（資料夾）名稱 / 樂曲（檔案）名稱可顯示的最大字元數為 32。

Romeo：每個樂曲集（資料夾）名稱 / 樂曲（檔案）名稱可顯示的最大字元數為 64。

*3 Multi Session

這是一種採用 Track-At-Once 方法，新增資料的錄製方法。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：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，音頻（音頻 CD 資料）被錄製為軌跡 2。

註

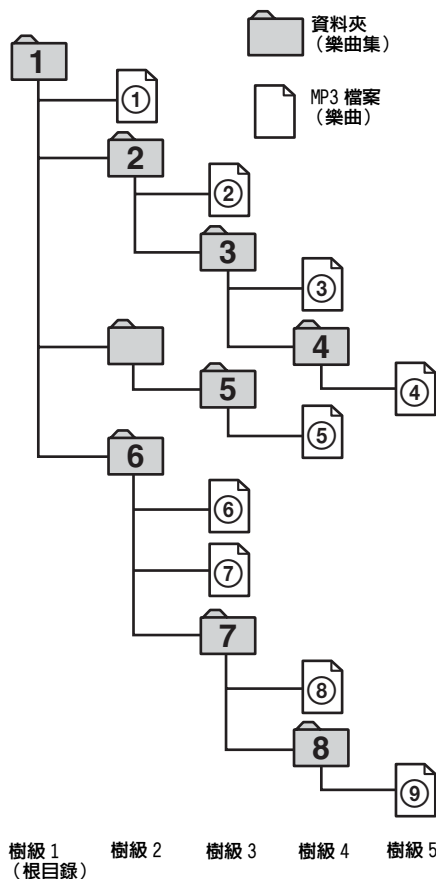
- 除了 ISO 9660 level 1 和 level 2 格式, 其它格式的資料夾名稱或檔案名稱可能無法正確顯示。
- 在命名時, 必須在檔案名稱後加上擴展名 “.mp3”。
- 如果將擴展名 “.mp3” 加在非 MP3 檔案上, 本機則無法正確識別該檔案, 並將產生能損壞揚聲器的雜音。
- 以下光碟要花費較長時間才能開始播放。
 - 以複雜的樹形架構錄製的光碟。
 - 以 Multi Session 錄製的光碟。
 - 能新增資料的光碟。
- 如果播放如 320kbps 高比特率 MP3 檔案, 則聲音可能會斷斷續續。

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：
 - 僅播放第一話路的音頻 CD 資料。
 - 隨後話路中的任何資料被跳過。
- 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, 其它資料被跳過。(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：



註

- 不含有 MP3 檔案的資料夾被跳過。
- 當插入有很多樹級的光碟時, 要花較長的時間才能開始播放。建議每盤光碟僅製作 1 或 2 個樹級。
- 最大資料夾數量: 150 (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: 300
當檔案 / 資料夾名稱包含許多字元時, 該數量可能小於 300。

提示

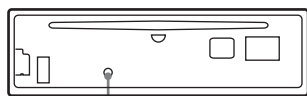
若要規定所需要的播放順序, 在資料夾或檔案名稱之前, 按照數字 (例如: “01”, “02”) 輸入順序, 然後將內容錄製在光碟上。(視寫入軟體而定, 順序將有所不同。)

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，並用帶尖頭的物体，如原子筆等，按下 RESET 按鈕。



RESET 按鈕

註

按 RESET 按鈕，將消除時鐘設定和某些已儲存的内容。

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。

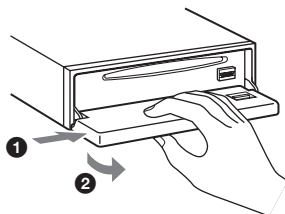
如您連接選購的放大器，而不用內置放大器，則不會發出警報聲。

1 按 (OFF)*。

CD/MD 播放或無線電接收停止（按鈕照明和顯示仍保留）。

* 如果您的汽車點火開關上沒有 ACC（輔助）位置，則必須通過按住 (OFF) 直至顯示消失將本裝置關閉，以免耗費汽車電池。

2 按 (OPEN) 按鈕，然後將前面板向右滑動，並輕輕將其左端拔出。



註

- 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。
- 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或儀表盤 / 後托架上。

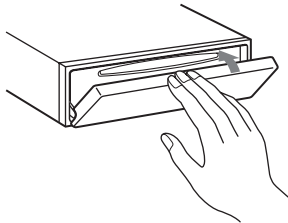
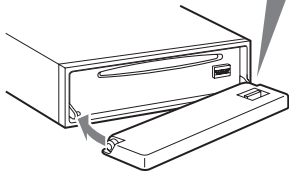
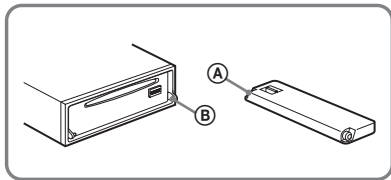
提示

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

將前面板的 (A) 孔對準本機上的支軸 (B)，然後輕輕推入左側。

按本機上的 (SOURCE) 按鈕 (或裝入 CD) 來進行操作。



註

不要在前面板內表面放任何東西。

設定時鐘

時鐘採用 24 小時制數字顯示。

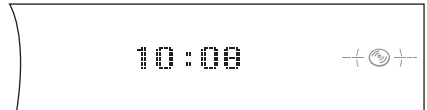
例如：將時鐘設定為 10 : 08

- 1 按 (MENU) 按鈕，然後反覆按 ↑ 或 ↓，直至出現 “Clock Adjust”。



- 1 按 (ENTER) 。
- 小時指示閃爍。
- 2 按 ↑ 或 ↓ 按鈕設定小時。
- 3 按 → 按鈕。
- 分鐘指示閃爍。
- 4 按 ↑ 或 ↓ 按鈕設定分鐘。

- 2 按 (ENTER) 按鈕。



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 22 頁)。
- 當把 Clock 模式設定為 “on” 時，時間將始終顯示 (第 25 頁)。

CD 播放機

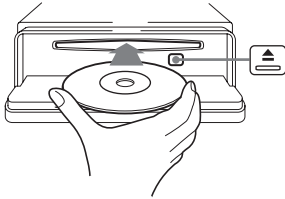
CD/MD 裝置 (選購件)

本機除播放CD外，還可控制外接的CD/MD裝置。

播放光碟

(使用本機)

- 1 按裝置上的 (OPEN) 按鈕並裝入光碟 (標籤面朝上)。



- 2 關上前面板。
播放自動開始。

若已裝入光碟，要開始播放請反覆按 (SOURCE) 按鈕，直至出現“CD”。

要	按
暫停*1	(6) (PAUSE)
停止播放	(OFF)
排出光碟	(OPEN)，然後按裝置上的 ▲
跳過樂曲 - 自動 音樂傳感器	(SEEK) (←/→) [一次跳過一首樂曲]
快進 / 後退 - 手動搜尋	(SEEK) (←/→) [按住直至所要的位置]
跳過樂曲集*2 - 樂曲集選擇	(DISC) (↑/↓) [按住直至所要的位置]

*1 只有在本機上播放時暫停才有效 (在選購的裝置上播放時，暫停無效)。若要取消暫停，再按 (6) (PAUSE) 按鈕。

*2 僅在播放 MP3 檔案時適用。

若要連續跳過樂曲，按 ← 或 → 按鈕，然後在約 1 秒鐘內再按下並保持不放。

註

- 播放樂曲之前，本機將讀取光碟上的所有樂曲和樂曲集資訊。視樂曲結構的不同，開始播放之前可能要等待一分鐘以上。此時，顯示“Read”。讀取結束時，播放將自動開始。
- 視光碟的情況而定，可能無法播放光碟 (第 7, 8 頁)。
- 播放光碟上的第一首 / 最後一首樂曲時，若按 ← 或 →，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。
- 如果播放如 320kbps 高比特率 MP3 檔案，則聲音可能會斷斷續續。

(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，直至出現所要的裝置。
播放開始。

要	按
跳過光碟 - 唱碟選擇	(DISC) (↑/↓) [一次跳過一張光碟]
跳過樂曲集*2 - 樂曲集選擇	(DISC) (↑/↓) [按住直至所要的位置]

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

*2 僅在播放 MP3 檔案時適用。

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”。當“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，即開始播放。

播放含非音頻 CD 資料 / MP3 檔案光碟的注意事項

如果插入了含非音頻 CD 資料 / MP3 檔案的光碟：

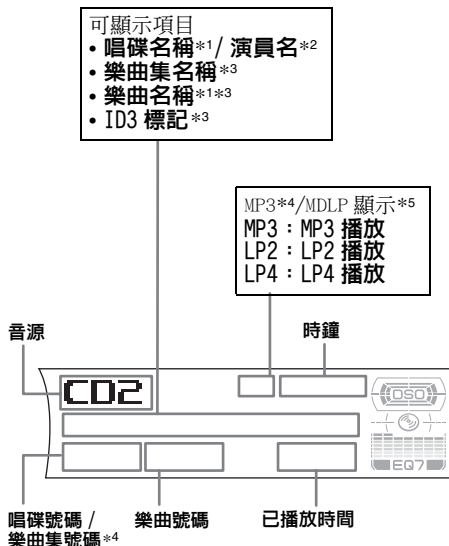
- 本裝置在此情況下，顯示幕中出現“NO Music”，並且顯示變成時鐘顯示 (CD 播放停止)。
- 與選購的 MP3 相容的 CD 裝置在此情況下，顯示幕中出現“NO Music”，並開始播放下一盤光碟。
- 與 MP3 不相容的選購的 CD 裝置在此情況下，光碟將開始播放但沒有聲音。

註

當連接有選購裝置時，相同音源的播放也會在選購的 CD/MD 裝置上得以繼續。

顯示項目

當更改光碟 / 樂曲集 / 樂曲時，新光碟 / 樂曲集 / 樂曲中任何預先錄製的標題*1 將自動顯示。(若 A.Scro11 (自動滾動) 功能設定為“on”，則超過 12 個字元的名稱將被滾動 (第 25 頁)。)



要	按
切換顯示項目	(DSPL) (PTY)
滾動顯示項目	裝置上的 (SCRL)

*1 當按 (DSPL) (PTY) 按鈕時，“NO Disc Name”或“NO Track Name”表示無唱碟記憶 (第 15 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 標記內的樂曲名稱 / 演員名 / 樂曲集名稱。按 (DSPL) (PTY) 按鈕時，“NO ID3 Tag”表示沒有 ID3 標記可供顯示。

*4 僅在播放 MP3 檔案時適用。

*5 只有當連接了具有 MDLP 功能的 MD 裝置，而且播放 MDLP 光碟時才有效。

續下頁 →

註

- 有些字元無法顯示。
- 對於一些帶很多字元的 CD TEXT 光碟或 ID3 標記，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。

MP3 注意事項

- ID3 標記僅適用於版本 1.0，1.1，2.2，2.3 和 2.4。
- 有些字元和符號無法顯示（顯示為“□”）。樂曲集（資料夾）名稱 / 樂曲（檔案）所能顯示的最多字元數為 64（Romeo）或 32（Joliet）；ID3 標記 30 個字元（1.0 和 1.1）或 126 個字元（2.2，2.3 和 2.4）。
- 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 / 後退時。

提示

當 A.Scroll（自動滾動）功能設為“off”，並且光碟 / 樂曲集 / 樂曲改變時，唱碟 / 樂曲集 / 樂曲名稱或 ID3 標記不會滾動顯示。

反覆播放樂曲

— 重複播放

您可以選擇：

- REP-Track — 重複播放當前樂曲。
- REP-Album*1 — 重複當前樂曲集中的樂曲。
- REP-Disc*2 — 重複當前光碟中的樂曲。

*1 僅在播放 MP3 檔案時適用。

*2 僅適用於當連接一台或多台選購的 CD/MD 裝置時。

在播放過程中，反覆按 (1) (REP) 按鈕，直至所要的設定出現在顯示幕上。重複播放開始。

要返回正常播放模式時，則選擇“REP-off”。

以隨機順序播放樂曲

— 任選播放

您可以選擇：

- SHUF-A1bum*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中的樂曲。
- SHUF-Changer*2 — 以隨機順序播放當前選購 CD (MD) 換碟機中的樂曲。
- SHUF-A11*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 僅在播放 MP3 檔案時適用。

*2 僅適用於當連接一台或多台選購的 CD (MD) 換碟機時。

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

在播放過程中，反覆按 (2) (SHUF) 按鈕，直至所要的設定出現在顯示幕上。任選播放開始。

要返回正常播放模式時，則選擇 “SHUF-off”。

註

“SHUF-A11” 不會打亂 CD 裝置和 MD 裝置互相之間的樂曲順序。

標註 CD

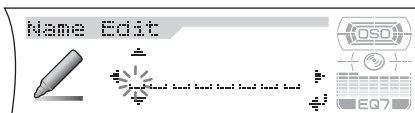
— 唱碟記憶功能 (當連接帶用戶檔案功能的 CD 裝置時)

您能用自訂名稱標註每張光碟 (唱碟記憶功能)。您能給每盤光碟輸入最多 8 個字元。若標註了 CD，則可通過名稱找出光碟 (第 16 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，然後反覆按 ↑ 或 ↓，直至出現 “Name Edit”。

3 按 (ENTER)。



4 輸入字元。

① 反覆按 ↑*1 選擇想要的字元。

A → B → C ... → 0 → 1
→ 2 ... → + → - → * ...
→ ...*2 → A

*1 相反順序按 ↓。

*2 (空格)

② 找到所需要的字元後按 → 按鈕。



如果按了 ← 按鈕，則將返回到左邊字元。

③ 重複步驟 ① 和 ②，輸入整個名稱。

5 按 (ENTER)。
本機即回到正常播放模式。

續下頁 →

提示

- 要更正或消除一個字元，僅需覆蓋寫入新名稱或輸入“ ”。
- 開始標註 CD 的另一種方法：按住 (LIST) 按鈕 2 秒鐘來代替操作步驟 2 和 3。您也可以通過按 (LIST) 按鈕 2 秒鐘來代替步驟 5 完成操作。
- 如果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。唱碟記憶將存儲在具有用戶檔案功能的 CD 裝置記憶體中。

觀看唱碟記憶

唱碟記憶內容作為顯示項目之一，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

欲知其它可被顯示的項目，請參見第 13 頁。

刪除唱碟記憶

- 1 反覆按 (SOURCE) 按鈕，選擇“CD”。
- 2 反覆按 (MODE) 按鈕選擇存有唱碟記憶的 CD 裝置。
- 3 按 (MENU) 按鈕，然後反覆按 ↑ 或 ↓，直至出現“Name Delete”。
- 4 按 (ENTER)。
出現儲存的名稱。
- 5 反覆按 ↑ 或 ↓ 按鈕選擇想要刪除的唱碟名稱。
- 6 按住 (ENTER) 2 秒鐘。
該名稱即被消除。
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。
本機即回到正常播放模式。

註

- 當 CD TEXT 光碟的唱碟記憶被刪除後，則將顯示原有的 CD TEXT 資訊。
- 如果未找到您想要刪除的唱碟記憶，請嘗試在步驟 2 中選擇另一個 CD 裝置。
- 如果已經將所有唱碟記憶刪除，將顯示“NO Data”，並且本機在步驟 4 或 6 返回正常播放模式。

通過名稱找出光碟

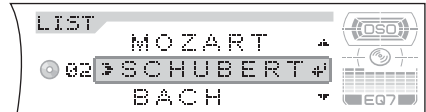
— 列表功能（當連接帶 CD TEXT/ 用戶檔案功能的 CD 裝置，或 MD 裝置時）

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：當在對 CD（第 15 頁）或 MD 命名時。

*2 通過 CD TEXT 資訊尋找光碟：當您在具有 CD TEXT 功能的 CD 裝置上播放 CD TEXT 光碟時。

- 1 在播放過程中，按 (LIST) 按鈕。
賦予當前唱碟的名稱出現在顯示幕上。



- 2 反覆按 ↑ 或 ↓ 按鈕，直至找到想要的光碟。
- 3 按 (ENTER) 按鈕播放此光碟。

註

有些字母無法被顯示（例外：唱碟記憶功能存儲的字母）。

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訊號最強的電台，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，然後反覆按 **↑** 或 **↓** 按鈕，直至出現“BTM”。
- 4 按 **(ENTER)**。
本機將各電台按其頻率順序存儲到數字按鈕之中。
當設定存儲完畢時，本機發出“啾”的一聲。

註

- 若因訊號微弱之故僅能接收到很少電台，則某些數字按鈕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。

收聽已儲存的電台

- 1 反覆按 **(SOURCE)** 按鈕選擇收音機。
- 2 反覆按 **(MODE)** 按鈕選擇波段。
- 3 按存有所要電台的數字按鈕（**①** 至 **⑥**）。

提示

按 **↑** 或 **↓** 按鈕，按照已存入記憶體中的順序接收電台（預設搜索功能）。

如果預設的調諧無效

按 **←** 或 **→** 搜索電台（自動調諧功能）。
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，把搜索目標限制在訊號較強的電台。詳細情況，請參見第 25 頁“改變聲音和顯示設定”。
- 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

詳細情況，請參見第 25 頁“改變聲音和顯示設定”。

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 設定至“OFF”（第 27 頁）。

僅存儲所要的電台

您可在任何選定的數字按鈕上手動預設所想要的電台。

- 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，調入想要存儲的電台。
- 4 按住所要的數字按鈕 (**①** 至 **⑥**) 持續 2 秒鐘，直至顯示 “Memory”。
數字按鈕指示出現在顯示幕上。

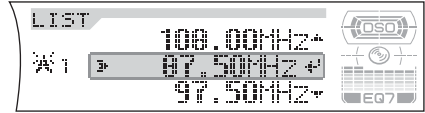
註

若您試圖在同一個數字按鈕上存入另一個電台，則以前存入的電台將被消除。

通過列表調入電台

— 列表功能

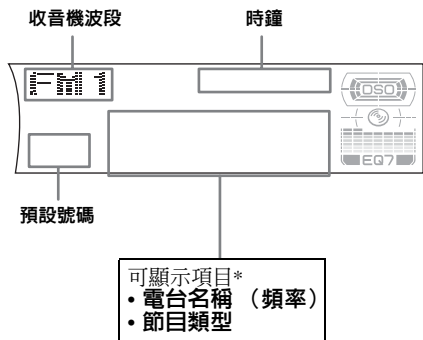
- 1 在無線電接收中，按 **(LIST)** 按鈕。
當前調入電台的頻率或賦予的電台名稱出現在顯示幕上。



- 2 反覆按 **↑** 或 **↓** 按鈕，直至找到想要的電台。
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 按 **(ENTER)** 按鈕調入所要電台。

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訊號的同時發送無聲的數位資訊。例如，接收帶有 RDS 功能的電台時，將顯示下列資訊之一。



* 詳細情況，請參見第 21 頁“通過節目類型調入電台”。

要 按
切換顯示項目 (DSPL) (PTY)

RDS 服務

RDS 資料還可為您提供其它方便，例如：

- 節目的**自動重調**，在長距離駕車時很有用。
— AF → 第 19 頁
- 在欣賞其它的節目/音源時，接收**交通狀況通報節目**。— TA → 第 20 頁
- 通過**節目類型**選擇電台。— PTY → 第 21 頁
- 自動設定**時鐘時間**。— CT → 第 22 頁

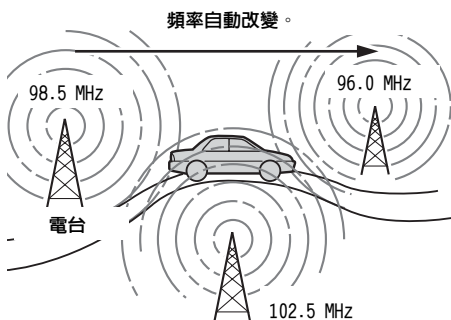
註

- 視國家 / 地區而定，並非所有的 RDS 功能都可使用。
- 如果訊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重調

— AF (備用頻率)

AF 功能允許收音機始終將該地區的最強訊號調入您正在收聽的電台。



- 1 選擇一個 FM 電台 (第 17 頁)。
 - 2 反覆按裝置上的 (AF/TA) 按鈕，直至出現“AF-on”。
- 本裝置開始在同一個網路中搜索訊號更強的備用頻率。
- 若“NO AF”指示閃爍，表示當前調入的電台沒有備用頻率。

若要取消 AF 功能，請選擇“AF, TA-off”。

提示

- 若選擇了“AF-on”，則交通狀況通報節目被取消。若要用 AF 功能啟動交通狀況通報節目，則選擇“AF, TA-on”。
- 若您想在播放 CD 時更改 on/off 設定，則按裝置上的 (AF/TA) 按鈕。

續下頁 →

對於沒有備用頻率的電台

當電台名稱閃爍時，按 ← 或 → 按鈕（8 秒鐘內）。

本機開始搜尋有相同 PI（節目識別）資料的另一頻率（出現“PI Seek”顯示）。若本機無法找到相同的 PI，則本機返回至先前選擇的頻率。

停留在一個地區節目

當 AF 功能開啓：本裝置的工廠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，請從選單中選擇“Regional-off”（第 26 頁）。

註

本功能在英國及其它一些地區無效。

本地鏈接功能（僅適用於英國）

本功能允許您選擇本區域中其它本地電台，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，再次按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。

接收交通狀況通報節目

— TA（交通狀況通報節目）/TP（交通節目）

通過開啓 TA 和 TP，您可以自動調入一個廣播交通狀況通報節目的 FM 電台。這些設定功能與當前 FM 節目 / 音源（如 CD/MD/AUX）無關。當通告結束時，本機切回到最初的音源。

反覆按裝置上的 (AF/TA) 按鈕，直至出現“TA-on”。

本機開始搜尋交通資訊電台。

“TP”表示此類電台的接收，在進行當前交通狀況通報節目時“TA”閃爍。若顯示“NO TP”，本裝置將繼續搜索有 TP 的電台。

要取消所有的交通狀況通報節目，請選擇“AF, TA-off”。

要

按

取消當前通告

裝置上的 (AF/TA)

提示

- 若選擇了“TA-on”，則 AF 功能被取消。若要用交通狀況通報節目啓動 AF 功能，則選擇“AF, TA-on”。
- 您也可以通過按 (SOURCE) 或 (MODE) 按鈕取消當前通告。

預設交通狀況通報節目的音量

您可以預設交通狀況通報節目的音量電平，因此不會漏聽。

- 1 按 (VOL) (+) 或 (VOL) (-) 調節想要的音量電平。
- 2 按住裝置上的 (AF/TA) 按鈕 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 電台或 CD/MD/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，本機將儲存每個電台的 AF/TA 設定（開／關）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訊號最強的電台。

為所有的預設電台預設相同的設定

- 1 選擇一個 FM 波段（第 17 頁）。
- 2 反覆按裝置上的 (AF/TA)，選擇“AF-on”，“TA-on”或“AF, TA-on”。
請注意，選擇“AF, TA-off”將適用於非 RDS 電台，也適用於 RDS 電台。
- 3 按 (MENU) 按鈕，然後反覆按 ↑ 或 ↓ 按鈕，直至出現“BTM”。
- 4 按 (ENTER)。
BTM 閃爍。

為每個預設電台預設不同的設定

- 1 選擇一個 FM 波段，並調入所要的電台（第 17 頁）。
- 2 反覆按裝置上的 (AF/TA)，選擇“AF-on”，“TA-on”或“AF, TA-on”。
- 3 按住所要的數字按鈕（① 至 ⑥）持續 2 秒鐘，直至顯示“Memory”。
從步驟 1 重複操作預設其它電台。

提示

若您想在播放 CD 時更改 AF/TA 設定，按裝置上的 (AF/TA) 按鈕。

通過節目類型調入電台

— PTY（節目類型）

您可以通過選擇想要收聽的節目類型來調入電台。

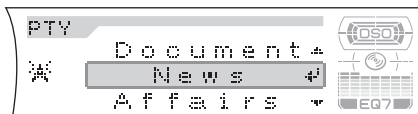
節目類型	顯示
新聞	News
當前事件	Affairs
資訊	Info
體育節目	Sport
教育	Educate
戲劇	Drama
文化	Culture
科學	Science
變化的	Varied
流行音樂	Pop M
搖滾樂	Rock M
輕鬆地收聽	Easy M
輕鬆的古典音樂	Light M
古典的	Classics
其他音樂類型	Other M
天氣	Weather
金融	Finance
兒童節目	Children
社會事件	Social A
宗教	Religion
呼入	Phone In
旅遊	Travel
空閒	Leisure
爵士樂	Jazz
鄉村音樂	Country
民族音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

註

在某些沒有可使用的 PTY（節目類型選擇）資料的國家/地區無法使用此功能。

續下頁 →

- 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 反覆按↑或↓按鈕，直至出現想要的節目類型。

節目類型以表中所示的順序顯示。

如果節目類型不是 RDS 資料所指定的節目類型，則顯示“NO Data”。

- 3 按 (ENTER) 。

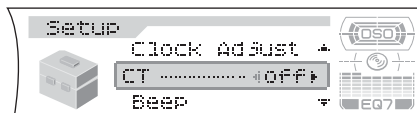
本機開始搜尋正在廣播選定節目類型的電台。

自動設定時鐘

— CT (時鐘時間)

從 RDS 傳送的 CT 資料自動設定時鐘。

- 1 在收音機接收中，按 (MENU) 按鈕，然後反覆按↑或↓按鈕，直至出現“CT-off”顯示。



- 2 反覆按 → 按鈕，直至出現“CT-on”顯示。時鐘被設定。

- 3 按 (ENTER) 按鈕返回正常顯示。

要取消 CT 功能，在步驟 2 中選擇“CT-off”。

註

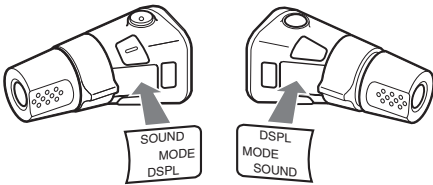
- 即使正在收聽 RDS 電台，CT 功能也可能不起作用。
- 用 CT 功能設定的時間可能與實際時間有差異。

其它功能

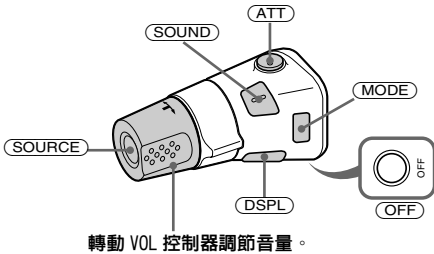
您也可用旋轉式控制器（選購件）控制本機（和選購的 CD/MD 裝置）。

使用旋轉式控制器

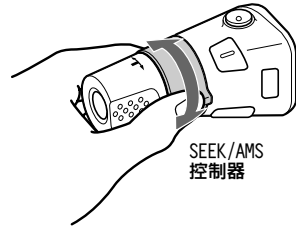
首先，根據您設想的旋轉式控制器安裝方式貼上合適的標籤。
旋轉式控制器通過按按鈕和 / 或轉動控制器進行操作。



通過按按鈕



按	要
SOURCE	改變音源 (收音機 / CD/MD*1 / AUX*2) / 電源開
MODE	改變操作 (收音機波段 / CD 裝置*1 / MD 裝置*1)
ATT	減弱音量
OFF *3	停止播放或收音機接收 / 關電源
SOUND	調節聲音設定
DSPL	改變顯示項目 (持續 2 秒鐘以滾動顯示項目)



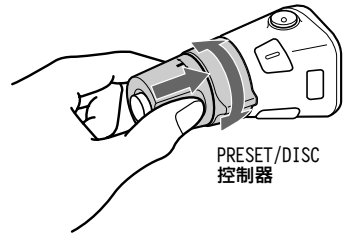
轉動然後鬆開，即可：

- 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*1 中更換光碟。
- 跳過樂曲集*4。

*1 僅當連接有相應的選購裝置時。

*2 只有當選購的 Sony 手提式裝置連接到本機的 AUX IN 端子時才有效。當您同時連接 Sony 手提式裝置和 CD/MD 裝置時，請使用 AUX IN 選擇器。

*3 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。

*4 僅在播放 MP3 檔案時適用。

續下頁 →

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

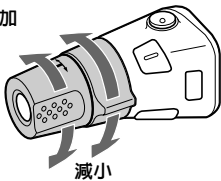
(使用選購裝置)

要	操作
跳過光碟 - 唱碟選擇	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約 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，在第一次釋放後約 1 秒鐘內再次推入並轉動控制器。

改變操作方向

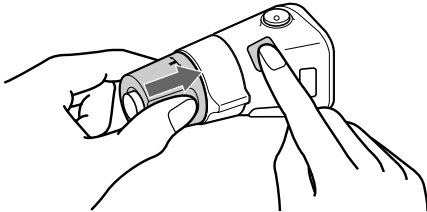
控制器如下圖所示的操作方向為出廠設定。

增加



減小

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。

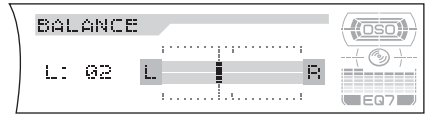
提示

您同樣可以用本播放機改變這些控制器的操作方向 (第 25 頁)。

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。

- 1 反覆按 (SOUND) 按鈕，選擇所需要的項目。每按一次 (SOUND) 按鈕，項目變化如下：
BASS (低音) → TREBLE (高音) → BALANCE (左-右) → FADER (前-後) → SUB (超低音揚聲器音量)
- 2 按 ← 或 → 按鈕，調節所選擇項目的電平。



3 秒鐘後，顯示幕返回正常播放模式。

註

選擇了項目之後，須在 3 秒內進行調節。

提示

- 用本裝置調節時，反覆按 (SOUND) 按鈕並轉動音量控制撥盤。
- 用旋轉式控制器調節時，按 (SOUND) 按鈕並轉動 VOL 控制器。

改變 BBE MP 設定

BBE MP 處理可有效地新增親切感，並使嚴重壓縮過的 MP3 素材產生清晰的 CD 音質。

在本機上播放時，按 (5) (BBE MP) 按鈕，選擇 “BBE MP-on”。

要取消 BBE MP，則選擇 “BBE MP-off”。

註

只有在本機上播放時，BBE MP 功能才有效 (在選購的裝置上播放時，BBE MP 無效)。

提示

只有在本機上播放時，您可以改變 BBE MP 設定。

快速減弱音量

(用旋轉式控制器或卡片式遙控器)

按 **(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

當汽車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（電話機 ATT 功能）。

改變聲音和顯示設定

— 選單

您可設定以下項目：

Setup (設定)

- Clock Adjust (第 11 頁)
- CT (時鐘時間) (第 22 頁)
- Beep — 打開或關閉 “嘟嘟” 警告聲。
- RM (旋轉式控制器) — 改變旋轉式控制器上的控制器操作方向。
 - 選擇 “Normal”，即按照工廠設定位置使用旋轉式控制器。
 - 當您將旋轉式控制器安裝在汽車方向盤軸的右側時，選擇 “Reverse”。
- AUX-A (第 29 頁) — 打開或關閉 AUX 音源顯示。

Display (顯示)

- Clock (時鐘資訊) — 同時顯示時鐘和播放模式 (開)。
- A.IMG (影像自動) (第 28 頁) — 分級顯示一個或所有顯示模式的顯示影像。
- Demo (示範) — 打開或關閉示範顯示。(當本機關閉時。)
 - 選擇 “on” 啟動示範顯示。
 - 選擇 “off” 關閉示範模式。
- Info (顯示資訊) — 當顯示顯示影像時在顯示幕的底部顯示顯示項目 (視音源等而定)。
 - 選擇 “on” 顯示顯示項目，按 **(DSPL)** (PTY) 按鈕，顯示項目將發生改變。
 - 選擇 “off” 則不顯示任何顯示項目。
- 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” 關閉調光器。
- A.Scroll (自動滾動) (第 13 頁)
 - 選擇 “on” 則滾動顯示長度超過 12 個字元的自動顯示的名稱。
 - 當自動滾動功能設為 “off”，且光碟 / 樂曲集 / 樂曲改變時，唱碟 / 樂曲集 / 樂曲名稱或 ID3 標記不會滾動顯示。

續下頁 →

Sound（聲音）

- EQ7 Tune（第 27 頁）— 調節均衡曲線。
- HPF（高通濾波器）— 選擇截止頻率為“78Hz”，“125Hz”或“off”。
- LPF（低通濾波器）— 選擇截止頻率為“78Hz”，“125Hz”或“off”。
- Loudness — 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。

Receive Mode（接收模式）

- AF on/off（備用頻率）（第 19 頁）
- Local on/off（本地搜索模式）（第 17 頁）
 - 選擇“on”則只調入訊號較強的電台。
- Mono on/off（單聲道模式）（第 17 頁）
 - 選擇“on”則以單聲道收聽 FM 立體聲廣播。
 - 選擇“off”則返回正常模式。
- Regional on/off（第 20 頁）

- 1 按 **(MENU)**。
- 2 反覆按 **↑** 或 **↓** 按鈕，直至出現想要的項目。
- 3 按 **←** 或 **→** 選擇想要的設定（例如：“on”或“off”）。
- 4 按 **(ENTER)**。
完成設定之後，顯示幕即返回正常播放模式。

註

所顯示的項目根據音源不同而有所區別。

提示

按住 **↑** 或 **↓** 按鈕 2 秒鐘，就可在各種類別中輕鬆地進行切換。

設定均衡器（EQ7）

您可選擇 7 種音樂類型（Xp1od, VOCAL, CLUB, JAZZ, NEWAGE, ROCK, CUSTOM）的均衡曲線，以及 OFF（均衡器關）。

您可以存儲和調節均衡器設定的頻率和電平。您可以為每個音源存儲 EQ7 設定。

選擇均衡曲線

- 1 按 **(SOURCE)** 按鈕，選擇想要的音源。
- 2 反覆按 **(EQ7)** 按鈕，選擇您所要的均衡曲線。
每按一次 **(EQ7)** 按鈕，顯示項目便改變。



要取消均衡效果，則選擇“OFF”。3 秒鐘後，顯示幕返回正常播放模式。

調節均衡曲線

- 1 按 **(MENU)** 。
- 2 反覆按 **↑** 或 **↓** 按鈕，直至出現“EQ7 Tune”，然後按 **(ENTER)** 按鈕。
- 3 按 **←** 或 **→** 按鈕，選擇所要的均衡曲線，然後按 **(ENTER)** 按鈕。
每按一次 **←** 或 **→** 按鈕，項目將發生改變。
- 4 選擇您所要的頻率和電平。

- 1 按 **←** 或 **→** 按鈕選擇想要的頻率。
每按一次 **←** 或 **→** 按鈕，頻率如下改變。
62Hz ↔ 157Hz ↔ 396Hz ↔ 1.0kHz
↔ 2.5kHz ↔ 6.3kHz ↔ 16kHz



- 2 按 **↑** 或 **↓** 按鈕調節想要的音量電平。
音量電平以 1 dB 退縮，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 **(ENTER)** 按鈕 2 秒鐘。

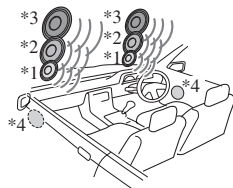
- 5 按 **(ENTER)** 按鈕。
完成效果設定之後，顯示幕即返回正常播放模式。

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

- 1 按 **(SOURCE)** 按鈕，選擇想要的音源。
- 2 按 **(DSO)** 選擇“1, 2, 3”或“OFF”。



若要取消 DSO 模式，請選擇“OFF”。
3 秒鐘後，顯示幕返回正常播放模式。

註

- 根據不同的汽車內部類型或音樂類型，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 設定為“OFF”。

選擇顯示模式和顯示影像

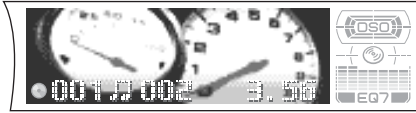
您可以選擇 3 種不同的顯示模式。您也可以選擇在壁紙模式 (1-5)、頻譜分析儀模式 (1-5) 和動畫模式 (1-3) 中選擇不同的顯示模式。

註

影像自動模式的預設設定為“A.IMG-A11”。釋放裝置上的 (IMAGE) 幾秒鐘後，裝置將返回至自動影像模式。如果想要顯示顯示影像，則設定至“A.IMG-off” (第 28 頁)。

選擇顯示影像

- 1 按 (SOURCE) 按鈕，選擇想要的音源。
- 2 反覆按 (IMAGE) 按鈕，選擇所需要的顯示影像。
例如：壁紙模式



每按一次裝置上的 (IMAGE) 按鈕，顯示影像變化如下：

- 壁紙模式 1-5 →
- 頻譜分析儀模式 1-5 →
- 動畫模式 1-3 → 正常播放模式

若要取消該模式，則選擇正常播放模式。

選擇影像自動模式

影像自動模式按如下自動分級 (每 10 秒鐘) 顯示一個或全部顯示模式的顯示影像：

- A.IMG-A11 — 反覆打亂所有顯示模式中的顯示影像。
- A.IMG-SA — 反覆分級顯示頻譜分析儀模式的顯示影像。
- A.IMG-Movie — 反覆分級顯示動畫模式的顯示影像。

- 1 按 (SOURCE) 按鈕，選擇想要的音源。
- 2 按 (MENU) 。
- 3 反覆按 ↑ 或 ↓，直至出現“A.IMG”。



- 4 反覆按 ← 或 → 按鈕，選擇所需要的設定。
- 5 按 (ENTER) 。

若要取消影像自動模式，則選擇“A.IMG-off”。

提示

- 當處於影像自動模式時，如果按裝置上的 (IMAGE) 按鈕，則顯示影像將發生改變。釋放裝置上的 (IMAGE) 幾秒鐘後，裝置返回原先的影像自動設定。
- 如果將資訊模式設定為“off”，則不出現顯示項目 (第 25 頁)。

連接輔助音響設備

本機上的的 AUX IN（外部音頻輸入）端子也用作 BUS AUDIO IN（音頻輸入）端子。通過連接一個選購的 Sony 手提式裝置，您可以從汽車揚聲器收聽聲音。

註

如果連接了選購的 Sony CD/MD 裝置，則不能再連接任何手提式裝置，並且“AUX”作為音源將不出現在顯示幕上。

當您同時連接 Sony 手提式裝置和 CD/MD 裝置時，請使用 AUX IN 選擇器。

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) 。
- 2 反覆按 ↑ 或 ↓ 選擇“AUX Level”。
- 3 按 (ENTER) 。
- 4 反覆按 ↑ 或 ↓ 按鈕選擇想要的音量電平。
音量電平以 1 dB 遞增，從 -6 dB 至 +6 dB 進行調節。
- 5 按 (ENTER) 。

要關閉音源顯示中的輔助裝置

- 1 按 (OFF) 。
- CD 播放或無線電接收停止。
- 2 按 (MENU) 。
- 3 反覆按 ↑ 或 ↓，直至出現“AUX-A-on”。
- 4 按 → 選擇“AUX-A-off”。
- 5 按 (MENU) 。

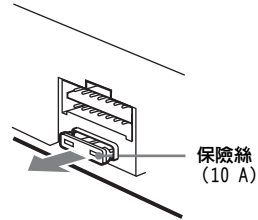
要恢復指示，選擇“AUX-A-on”。

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額定安培數相同。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。



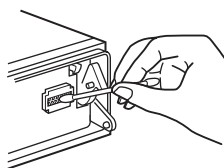
警告

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。

續下頁 →

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。



主機



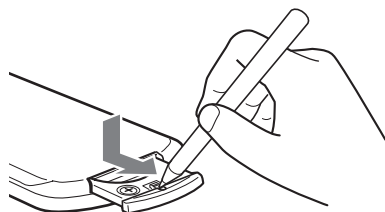
前面板的背部

註

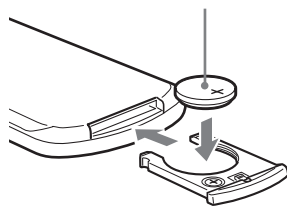
- 為了安全起見，在清潔連接器之前，應關閉發動機並從點火開關上取出鑰匙。
- 千万不要用手指或任何金屬工具直接觸摸連接器。

更換鋰電池

一般情況下，電池能維持大約 1 年的時間。（使用壽命可能會變短，這取決於電池的使用狀況。）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。使用任何其它電池可能存在火災或爆炸的危險。



+極面朝上



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。

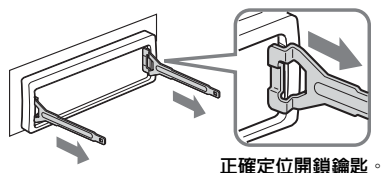
警告

電池操作不當可能引起爆炸。
請勿對電池充電、拆解或投入火中。

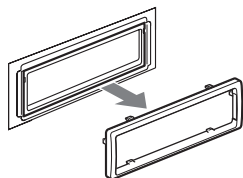
拆卸本機

1 拆卸保護環。

- 1 拆卸前面板（第 10 頁）。
- 2 將開鎖鑰匙與保護環啮合。

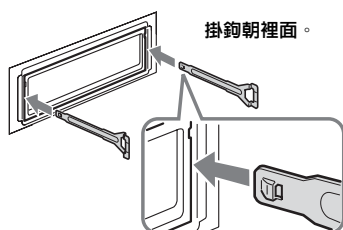


- 3 拉出開鎖鑰匙以拆下保護環。

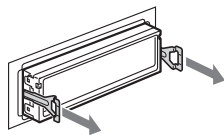


2 取出裝置。

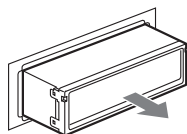
- 1 將兩把開鎖鑰匙一起插入，直至聽到喀嗒聲。



- 2 拉出開鎖鑰匙，使裝置脫離原位。



- 3 將本機從安裝位置滑出。



規格

CD 播放機部分

信噪比	120 dB
頻率響應	10 - 20000 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
天線終端	外接天線連接器
中頻	10.7 MHz/450 kHz
可用靈敏度	9 dBf
選擇度	400 kHz 時為 75 dB
信噪比	67 dB (立體聲), 69 dB (單聲道)
諧波失真 (1 kHz 時)	0.5 % (立體聲), 0.3 % (單聲道)
分離度	1 kHz 時 35 dB
頻率響應	30 - 15000 Hz

MW/LW

調諧範圍	MW: 531 - 1602 kHz LW: 153 - 279 kHz
天線終端	外接天線連接器
中頻	10.7 MHz/450 kHz
可用靈敏度	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
最大輸出功率	52 W \times 4 (4 Ω 時)

總體

輸出	音頻輸出端子 (前/後) 超低音揚聲器輸出端子 (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 音頻輸入或 AUX IN 端 子
輸入	遙控器輸入端子 天線輸入端子
音調控制	100 Hz 時低音 \pm 8 dB 10 kHz 時高音 \pm 8 dB
響度 / 高聲	100 Hz 時 +8 dB 10 kHz 時 +2 dB
電源要求	12 V DC 汽車電池 (負接地)
尺寸	約 178 \times 50 \times 178 mm (寬 / 高 / 深)
安裝尺寸	約 182 \times 53 \times 161 mm (寬 / 高 / 深)
重量	約 1.3 kg
提供的附件	安裝和連接用部件 (一套) 前面板盒 (1) 卡片式遙控器 RM-X140 旋轉式控制器 RM-X4S BUS 電纜 (附帶一根 RCA 針型導線) RC-61 (1m), RC-62 (2 m) CD 換碟機 (10 碟式) CDX-757MX, CDX-656X CD 換碟機 (6 碟式) CDX-T70MX MD 換碟機 (6 碟式) MDX-66XLP DVD 換碟機 DVX-100S 音源選擇器 XA-C30 AUX-IN 選擇器 XA-300
選購附件	
選購裝置	

註

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。

總體

無聲。

- 按 (VOL) (+) 按鈕調節音量。
- 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。
- 您試圖與 MP3 不相容的選購 CD 裝置播放 MP3 檔案。
→ 請用 Sony MP3 相容 CD 裝置進行播放，如 CDX-757MX。

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。
- 電源連接導線未被正確連接。

無“嘟嘟”聲。

- “嘟嘟”聲功能被取消（第 25 頁）。
- 連接了選購的功率放大器，而未使用內置放大器。

畫面從顯示幕上消失 / 未出現在顯示幕上。

- 如果按住 (OFF) 不放則顯示消失。
→ 再次按住 (OFF) 不放，直至顯示出現。
- 拆卸前面板，然後清潔連接器。詳細情況，請參見第 30 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。

導線與汽車附件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) 按鈕（或裝入一張光碟），使裝置開啓。

本機始終處於通電狀態。

汽車不具有 ACC 位置。

電動伸縮天線未伸出。

電動伸縮天線未裝繼電器盒。

CD/MD 播放

無法裝入光碟。

- 已裝入另外的 CD。
- CD 被上下顛倒或以錯誤的方法強行裝入。

無法開始播放。

- MD 有缺陷或 CD 髒了。
- CD-R/CD-RW 未最終化。
- 您試圖播放的是非音頻使用的 CD-R/CD-RW。
- 由於錄製裝置或光碟狀況，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 格式儲存。

MP3 檔案的開始播放時間較其它檔案長。

- 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。
 - 能新增資料的光碟。

光碟被自動退出。

環境溫度超過 50°C。

操作按鈕無效。

CD 無法退出。

按 RESET 按鈕。

聲音顫動產生跳音。

- 本機安裝角度大於 45°。
- 本機未安裝在汽車上較堅固的位置。

跳音。

光碟髒了或有缺陷。

續下頁 →

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）或補助電源導線（紅色）至汽車天線升壓器的電源導線。（只有當您的汽車僅在後 / 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 27 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 26 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 26 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 26 頁）。

RDS

收聽幾秒鐘後開始搜索。

- 該電台為非 TP 電台或訊號微弱。
→ 反覆按裝置上的 (AF/TA) 按鈕，直至出現“AF, TA-off”。

無交通狀況通報節目。

- 開啓“TA”。
- 該電台儘管為 TP 電台但不廣播交通狀況通報節目。
→ 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

（對於本機和選購的 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*2 上沒有錄製樂曲。
→ 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*2，CD/MD 不能播放。
→ 裝入另一張 CD/MD。

Failure

- 揚聲器 / 放大器連接不正確。
→ 請參閱本機型的安裝指導手冊以檢查線路連接。

High Temp

- 環境溫度高於 50°C。
→ 等待環境溫度低於 50°C。

NO Disc*1

- CD/MD 裝置中未裝入光碟。
→ 將光碟裝入 CD/MD 裝置。

NO Magazine

- 光碟匣未裝入 CD 裝置。
→ 將光碟匣裝入 CD 裝置。

NO Music*2

- 可播放 MP3 的 CD 裝置中裝入了無音樂檔案的 CD。
→ 將音樂 CD 裝入可播放 MP3 的 CD 裝置中。

Offset

- 可能發生內部故障。
→ 檢查電源的連接。如果此出錯指示仍然顯示在顯示幕中，請聯繫就近的 Sony 經銷商。

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 的唱碟號碼出現在顯示幕上。

*2 造成錯誤的唱碟號碼出現在顯示幕上。

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

Local Seek +/-

在自動調諧時，本地搜索模式為開啓狀態（第 17 頁）。

NO AF

當前電台沒有備用頻率。

“.....” 或 “.....”

您已到達光碟的開頭或結尾，無法再繼續向前。



- Lead-free solder is used for soldering certain parts.
- Halogenated flame retardants are not used in the certain printed wiring boards.
- Halogenated flame retardants are not used in cabinets.
- Paper is used for the packaging cushions.

<http://www.sony.net/>

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