SONY

3-241-296-**21** (1)

FM/AM Compact Disc Player

Operating Instructions **US**

Mode d'emploi **FR**

Manual de instrucciones **ES**

Owner's Record

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

Model No. CDX-MP30 Serial No. _____

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

En ce qui concerne l'installation et les connexions, consulter le manuel d'installation / raccordement fourni.

Para obtener información sobre la instalación y las conexiones, consulte el manual de instalación / conexiones suministrado.

COMPACT disc DIGITAL AUDIO TEXT

CDX-MP30

© 2002 Sony Corporation

Actual total number: CDX-MP30 (**US**, FR, ES) 3-241-296-**21** (1)

Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

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

CAUTION

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

Welcome !

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

- MP3 file playback.
- Non-finalized CD-R/CD-RW disc playback capability (page 7).
- Discs recorded in Multi Session (CD-Extra, Mixed CD, etc.) can be played, depending on the recording method (page 7).
- Optional CD/MD units (both changers and players)*1.
- ID3 tag*2 version 1 information (displayed when an MP3 file is played).
- CD TEXT information (displayed when a CD TEXT disc*3 is played).
- **Optional controller accessories**
  Card remote commander
  RM-X114
  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.*

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

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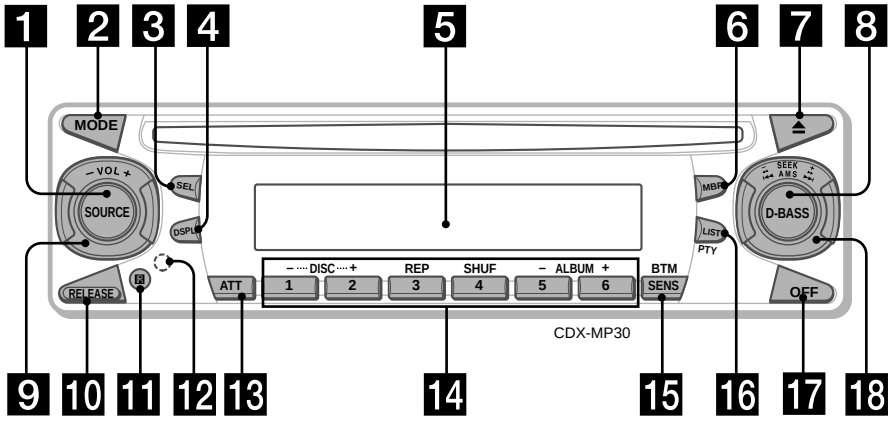
Location of controls



Refer to the pages listed for details.

1 **SOURCE (Power on/Radio/CD/MD) button 11, 14, 15, 16**
2 **MODE button 11, 14, 15, 16**
3 **SEL (select) button 10, 12, 14, 20**
4 **DSPL (display mode change) button 10, 12, 14**
5 **Display window**
6 **MBP (My Best sound Position) button 20**
7 **⏏ (eject) button 11**
8 **D-BASS button 20**
9 **VOL (volume) –/+ control dial 10, 14, 19**
10 **RELEASE (front panel release) button 9**
11 **Receptor for the card remote commander**
12 **RESET button** (located on the front side of the unit, behind the front panel) **9**
13 **ATT (attenuate) button 19**
14 **Number buttons 12, 16, 19**
- (1) **DISC – 11**
- (2) **DISC + 11**
- (3) **REP 13**
- (4) **SHUF 13**
- (5) **ALBUM – 11**
- (6) **ALBUM + 11**

15 **SENS/BTM button 15, 16**
16 **LIST/PTY (programme type) button 14, 15**
17 **OFF button*** **9, 11**
18 **SEEK/AMS –/+ control dial 11, 15, 16**

* **Warning when installing in a car without an ACC (accessory) position on the ignition key switch**
Be sure to press (OFF) on the unit for 2 seconds to turn off the clock display after turning off the engine.
Otherwise, the clock display does not turn off and this causes battery drain.

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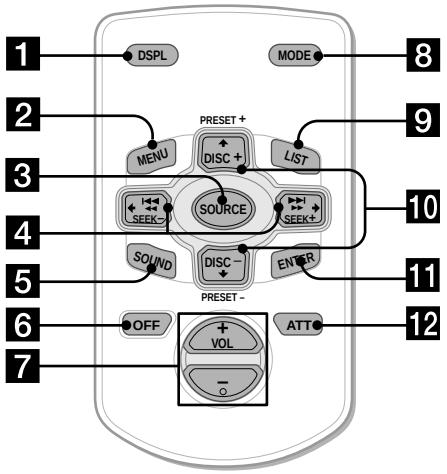
Card remote commander RM-X114 (optional)



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

1. **DSPL button**
2. **MENU button***
3. **SOURCE button**
4. **SEEK (⬅/➡) buttons**
5. **SOUND button (used as 3 SEL button for this unit)**
6. **OFF button**
7. **VOL (+/–) buttons**
8. **MODE button**
9. **LIST button**
10. **DISC/PRESET (⬆/⬇) buttons**
11. **ENTER button***
12. **ATT button**

* Not available for this model

Note

If the unit is turned off by pressing (OFF) for 2 seconds, 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

Refer to "Replacing the lithium battery" for details on how to replace the batteries (page 22).

Selecting a disc and album with the card remote commander

Disc and album can be skipped using the DISC/PRESET (⬆/⬇) buttons of the card remote commander.

(With this unit)

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

(With optional unit)

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

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

Precautions

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

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

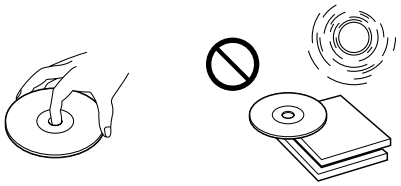
On a rainy day or in a very damp area, moisture condensation may occur inside the lenses and display of the unit. Should this occur, the unit will not operate properly. In such a case, remove the disc and wait for about an hour until the moisture has evaporated.

To maintain high sound quality

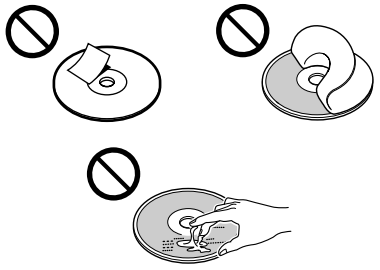
Be careful not to splash juice or other soft drinks onto the unit or discs.

Notes on discs

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



- Do not attach labels, or use discs with sticky ink/residue. Such discs may stop spinning when used, causing a malfunction, or may ruin the disc.



- Do not use any discs with labels or stickers attached.
  The following malfunctions may result from using such discs:
  – Inability to eject a disc (due to a label or sticker peeling off and jamming the eject mechanism).
  – Inability to read audio data correctly (e.g., playback skipping, or no playback) due to heat shrinking of a sticker or label causing a disc to warp.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.
- You cannot play 8 cm (3 in.) CDs.

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• Before playing, clean the discs with a commercially available cleaning cloth. Wipe each disc from the center out. Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray intended for analog discs.

Notes on CD-R/CD-RW discs

This unit can play the following discs:

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

• Some CD-Rs/CD-RWs (depending on the equipment used for its recording or the condition of the disc) may not play on this unit.
• You can play a CD-R/CD-RW that is not finalized*.

* *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 (recordable CDs), and CD-RWs (rewritable CDs).
The disc must be in the ISO 9660*1 level 1 or level 2 format, or Joliet or Romeo in the expansion format.
You can use a disc recorded in Multi Session*2.

*1 **ISO 9660 Format**
The most common international standard for the logical format of files and folders on a CD-ROM.
There are several specification levels. In Level 1, file names must be in the 8.3 format (no more than eight characters in the name, no more than three characters in the extension ".MP3") and in capital letters. Folder names can be no longer than eight characters. There can be no more than eight 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 the contents of the writing software, etc.

*2 **Multi Session**
This is a recording method that enables adding of data using the Track-At-Once method. Conventional CDs begin at a CD control area called the Lead-in and end at an area called Lead-out. A Multi Session CD is a CD having multiple sessions, with each segment from Lead-in to Lead-out regarded as a single session.

continue to next page →

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Notes

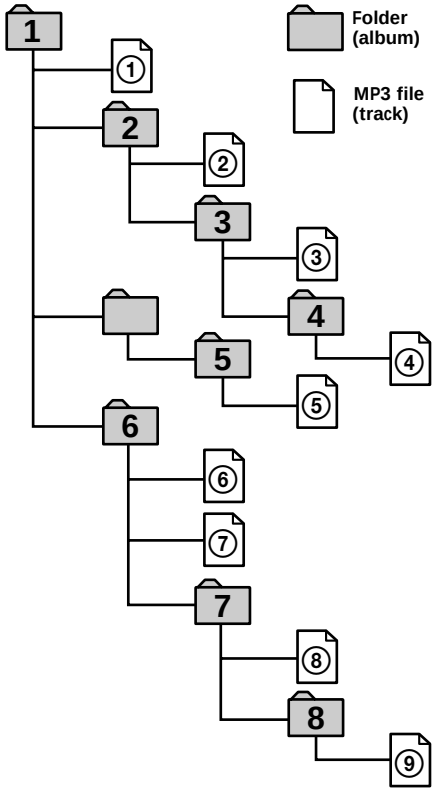
- *With formats other than ISO 9660 level 1, folder names or file names may not be displayed correctly.*
- *When naming, be sure to add the file extension ".MP3" to the file name.*
- *If you put the extension ".MP3" to a file other than MP3, the unit cannot recognize the file properly and will generate 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 (non-finalized disc).*

Cautions when playing a disc that is recorded in Multi Session

- *When the first track of the first session is audio CD data:*
  Non-music data information (track number, time, etc.) is displayed with no sound.
- *When the first track of the first session is not audio CD data:*
  - *— If an MP3 file is in the disc, only MP3 file(s) play back and other data is skipped. (Audio CD data is not recognized.)*
  - *— If no MP3 file is in the disc, "NO MUSIC" is displayed and nothing is played back. (Audio CD data is not recognized.)*

The playback order of the MP3 files

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



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 one or two trees for each disc.
- *Maximum folder number: 150 (including root folder and empty folders)*
- *Maximum file number: 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.)

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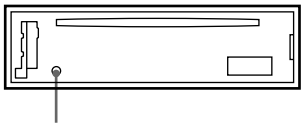
Getting Started

Resetting the unit

Before operating the unit for the first time or after replacing the car battery, you must reset the unit.
Remove the front panel and press the RESET button with a pointed object, such as a ball-point pen.



RESET button

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

Detaching the front panel

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

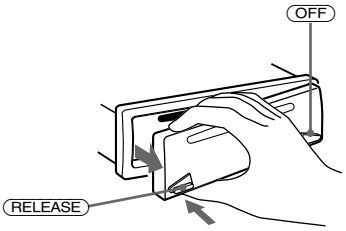
Caution alarm

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

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

* *If your car has no ACC position on the ignition switch, be sure to turn the unit off by pressing (OFF) for 2 seconds to avoid car battery drain.*

2 Press (RELEASE), then pull it off towards you.



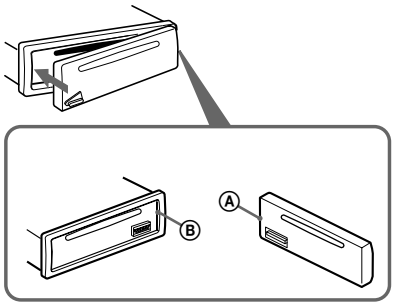
Notes
- *If you detach the panel while the unit is still turned on, the power will turn off automatically to prevent the speakers from being damaged.*
- *Do not drop or put excessive pressure on the front panel and its display window.*
- *Do not subject the front panel to heat/high temperature or moisture.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

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

continue to next page →

Attaching the front panel

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



Note

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

Setting the clock

The clock uses a 12-hour digital indication.

Example: To set the clock to 10:08

1 Press (DSPL) for 2 seconds.
The hour indication flashes.

❶ Turn the VOL control dial to set the hour.

❷ Press (SEL).
The minute indication flashes.

❸ Turn the VOL control dial to set the minute.

2 Press (DSPL).

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

CD Player
CD/MD Unit (optional)

In addition to playing a CD with this unit alone, you can also control external CD/MD units.
If you connect an optional CD unit with the CD TEXT function, the CD TEXT information will appear in the display when you play a CD TEXT disc.

Playing a disc

(With this unit)

Insert the disc (labeled side up).

Playback starts automatically.

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

To	Do this
Stop playback	Press OFF.
Eject the disc	Press ⏏.
Skip tracks – Automatic Music Sensor	Turn the SEEK/AMS control dial. [once for each track]
Fast-forward/ reverse – Manual Search	Turn the SEEK/AMS control dial. [hold to desired point]
Skip albums*1 – Album selection	Press 5 (ALBUM –) or 6 (ALBUM +).

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

Notes
- *Depending on the recording method used on the disc, it may take a minute or more before playing the first track.*
- *Depending on the condition of the disc, it may not play back (page 7).*
- *While the first/last track on the disc is playing, if the SEEK/AMS control dial is turned, playback skips to the last/first track of the disc.*
- *When the last track on the disc is over, playback restarts from the first track of the disc.*
- *With optional units connected, playback of the same source will continue on to the optional CD/MD unit.*

(With optional unit)

1 Press SOURCE repeatedly to select "CD" or "MD (MS*2)."

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

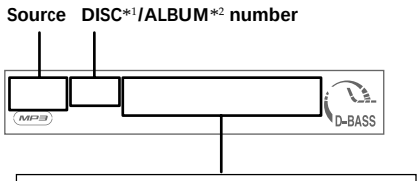
*2 *MS: MG Memory Stick System-up Player MGS-X1.*

To	Press
Skip discs – Disc selection	1 (DISC –) or 2 (DISC +)
Skip albums*3 – Album selection	5 (ALBUM –) or 6 (ALBUM +)

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

Display items



Displayable items
- **Clock**
- **Track number/Elapsed playing time**
- **Disc name**[*3]**/Artist name**[*4]
- **Album (folder) name**[*2]
- **Track (file) name**[*3]
- **ID3 tag**[*2]

To	Press
Switch display item	DSPL

*1 *While an optional CD/MD unit is connected.*
*2 *Only for MP3 files.*
*3 *When pressing DSPL, "NO NAME" indicates that there is no Disc Memo (page 14) or prerecorded name to display.*
*4 *Only for CD TEXT discs with the artist name.*

Notes
- *Disc name, artist name, and track title can be displayed with up to 8 characters.*
- *Some characters cannot be displayed.*
- *This unit cannot display the artist name for each track of a CD TEXT disc.*

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

Automatically scrolling a display item — Auto Scroll

If Auto scroll is set to ON, a display item which exceeds 8 characters will scroll automatically.

If you press DSPL to change the display item, the displayed item is scrolled automatically whether you set the function ON or OFF.

Selecting "A.SCRL-ON"

During playback, press SEL and 3 simultaneously.

In 2 seconds the normal display automatically appears.

To select "A.SCRL-OFF", press SEL and 3 simultaneously again.

Note
For some discs with very many characters, the following cases may happen:
- *— Some of the characters are not displayed.*
- *— Auto Scroll does not work.*

Playing tracks repeatedly — Repeat Play

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

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

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

During playback, press 3 (REP) repeatedly until the desired setting appears in the display.

"REP" indicator is displayed.

Repeat Play starts.

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

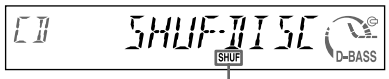
Playing tracks in random order — Shuffle Play

You can select:

- SHUF-ALBM*1 — to play the tracks on the current album in random order.
- SHUF-DISC — to play the tracks on the current disc in random order.
- SHUF-CHGR*2 — to play the tracks in the current optional CD (MD) unit in random order.
- SHUF-ALL*3 — to play all the tracks in all the optional CD (MD) units (including this unit) in random order.

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

During playback, press 4 (SHUF) repeatedly until the desired setting appears in the display.



"SHUF" indicator is displayed.

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.

Labeling a CD

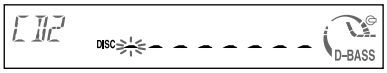
— Disc Memo (For a CD unit with the CUSTOM FILE function)

You can label each disc with a custom name (Disc Memo). You can enter up to 8 characters for a disc. If you label a CD, you can locate the disc by name (page 15).

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

2 Press (LIST/PTY) for 2 seconds.

Name edit mode



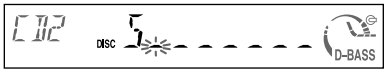
The unit will repeat the disc during the labeling procedure.

3 Enter the characters.

❶ Turn the VOL control dial to select the desired characters.
(A ↔ B ↔ C ↔ ··· Z ↔ 0 ↔ 1 ↔ 2 ↔ ··· 9 ↔ + ↔ – ↔ * ↔ / ↔ \ ↔ > ↔ < ↔ . ↔ _ ↔ A ···)

If you want to put a blank space between characters, select "_."

❷ Press (SEL) after locating the desired character.
The next character flashes.



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

4 To return to normal CD play mode, press (LIST/PTY) for 2 seconds.

Tips

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

Viewing the Disc Memo

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

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

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 (LIST/PTY) for 2 seconds.

4 Press (DSPL) for 2 seconds.

5 Turn the VOL control dial to select the disc name you want to erase.

6 Press (SEL) for 2 seconds.
The name is erased.
Repeat steps 5 and 6 if you want to erase other names.

7 Press (LIST/PTY) for 2 seconds.
The unit returns to normal CD play mode.

Notes

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

Actual total number:

CDX-MP30 (**US**, FR, ES) 3-241-296-**21** (1)

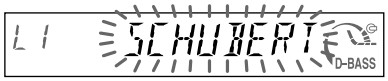
Locating a disc by name

— List-up (For a CD unit with the CUSTOM FILE function or an MD unit)

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

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

1 Press (LIST/PTY) momentarily.
The name assigned to the current disc appears in the display.



2 Press (LIST/PTY) repeatedly until you find the desired disc.

3 Turn the SEEK/AMS control dial to play the disc.

Notes

- *Once a disc name has been displayed for 5 seconds, the display goes back to its normal playback mode.*
- *The track names are not displayed during MD playback.*
- *If there are no discs in the magazine, "NO DISC" appears in the display.*
- *If a disc has not been assigned a custom file, "NO NAME" appears in the display.*
- *If the disc information has not been read by the unit, "NOT READ" apppears in the display. To load the disc, first press the number button, then choose the disc that has not been loaded.*
- *The information appears only in upper cases. There are also some letters which cannot be displayed (during MD playback).*

Radio

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

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

Storing stations automatically

— Best Tuning Memory (BTM)

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

1 Press (SOURCE) repeatedly to select the radio.

2 Press (MODE) repeatedly to select the band.

3 Press (SENS/BTM) for 2 seconds.
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.*

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 Turn the SEEK/AMS control dial to tune in the station that you want to store.

4 Press the desired number button (1 to 6) until "MEM" 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.

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.

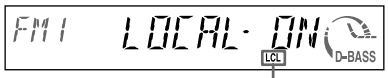
If preset tuning does not work — Automatic tuning/Local Seek Mode

Automatic tuning:

Turn the SEEK/AMS control dial to search for the station.
Scanning stops when the unit receives a station. Turn the SEEK/AMS control dial until the desired station is received.

Local Seek Mode:

If the automatic tuning stops too frequently, press (SENS/BTM) repeatedly until "LOCAL-ON" appears.



"LCL" indicator is displayed.

Only the stations with relatively strong signals will be tuned in.

Tip
If you know the frequency of the station you want to listen to, turn the SEEK/AMS control dial until the desired frequency appears (manual tuning).

If FM stereo reception is poor — Monaural Mode

During radio reception, press (SENS/BTM) repeatedly until "MONO-ON" appears.

"MONO" indicator is displayed.

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

To return to normal mode, select "MONO-OFF."

Actual total number:

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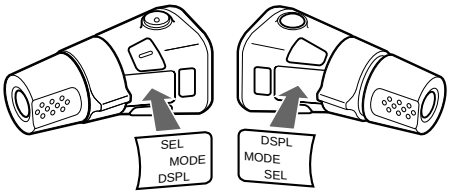
Other Functions

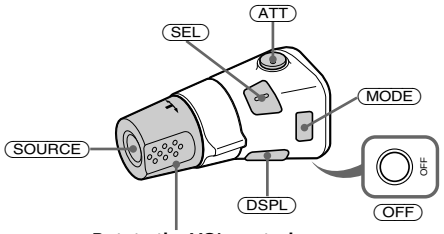
You can also control the unit (and optional CD/MD units) with a rotary commander **(optional)**.

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

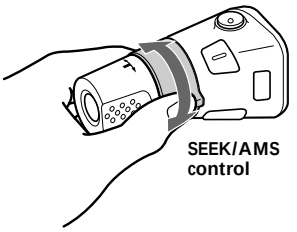


Rotate the VOL control to adjust the volume.

Press	To
SOURCE	Change source (radio/CD/MD*1)
MODE	Change operation (radio band/CD unit/ MD*1 unit)
ATT	Attenuate sound
OFF *2	Stop playback or radio reception
SEL	Adjust and select
DSPL	Change the display item

*1 *Only if the corresponding optional equipment is connected.*
*2 *If your car has no ACC (accessory) position on the ignition key switch, be sure to press OFF for 2 seconds to turn off the clock indication after turning off the ignition.*

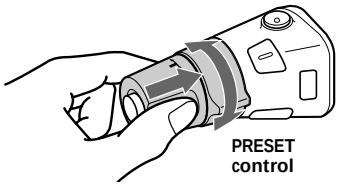
By rotating the control



Rotate and release to:
– Skip tracks.
– Tune in stations automatically.

Rotate, hold, and release to:
– Fast-forward/reverse a track.
– find a station manually.

By pushing in and rotating the control



Push in and rotate the control to:
– Receive preset stations.
– Change the disc.*1
– Change the album.*2

*1 *When an optional CD/MD unit is connected.*
*2 *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)

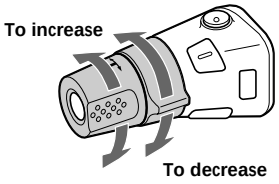
To	Do this
Skip albums – Album selection	Push in and rotate [once for each album] the control. To continuously skip albums, push in and rotate (and hold) the control.

(With optional unit)

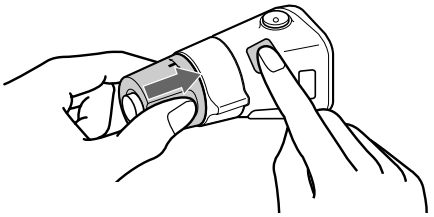
To	Do this
Skip discs – Disc selection	Push in and rotate [once for each disc] the control. To continuously skip discs, push in and rotate once and rotate again within 1 second (and hold) the control.
Skip albums – Album selection	Push in and rotate the control [hold for a moment] and release. To continuously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

Changing the operative direction

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



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



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

Adjusting the sound characteristics

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

1 Select the item you want to adjust by pressing (SEL) repeatedly.
Each time you press (SEL), the item changes as follows:

BAS (bass) → TRE (treble) →
BAL (left-right) → FAD (front-rear)

2 Adjust the selected item by turning the VOL control dial.

Note
Adjust within 3 seconds after selecting the item.

Quickly attenuating the sound

Press (ATT).
After "ATT-ON" momentarily flashes, the "ATT" indication appears in the display.

To restore the previous volume level, press (ATT) again.
"ATT-OFF" flashes momentarily.

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

The following items can be set:
- A.SCRL (Auto Scroll)*1 (page 12).
- M.DSPL (Motion Display) — the demonstration mode which appears when no source is selected (e.g., tuner is turned off).
- BEEP*2 — to turn the beep sound on or off.

Selecting the desired item

Press (SEL) and the desired preset number button simultaneously.
(SEL) + (3): A.SCRL*1
(SEL) + (4): M.DSPL
(SEL) + (6): BEEP*2

*1 *When no CD is playing, this item will not appear.*
*2 *The beep sound is output only when the built-in amplifier is used.*

After the mode setting completed, the display returns to normal play mode.

Note
The displayed item will differ depending on the source.

To cancel the item, press (SEL) and the preset number button simultaneously again.

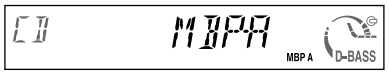
Selecting the sound position

— My Best sound Position (MBP)

When you drive without passengers, you can enjoy the most comfortable sound environment with "My Best sound Position." "My Best sound Position" has two presets, which are best suited for the front seats. You can select one very easily with the MBP button.

MBP-A: best suited for the person in the front-left seat.
MBP-B: best suited for the person in the front-right seat.

Press (MBP) repeatedly for the desired listening position.



After one second, the display goes back to the normal playback mode.

To cancel the MBP function, select "MBP-OFF."

If you want to adjust the sound characteristics more precisely, you can do it using the (SEL) button (see "Adjusting the sound characteristics" on page 19).

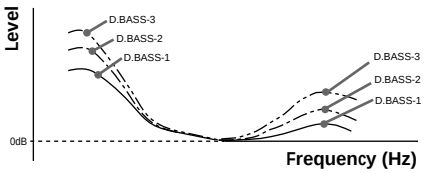
Notes

- *If you adjust any sound characteristics by using the (SEL) button (page 19), the MBP setting returns to OFF.*
- *When MBP is set to OFF, the sound setting you adjusted (page 19) is activated.*

Boosting the bass sound

— D-bass

You can enjoy a clear and powerful bass sound. The D-bass function boosts the low frequency signal and high frequency signal with a sharper curve than conventional bass boost.
You can hear the bass line more clearly even while the vocal volume remains the same. You can emphasize and adjust the bass sound easily with (D-BASS) button.



Adjusting the bass curve

Press (D-BASS) repeatedly to select the desired bass curve.
As the D-BASS number increases so does the effect.

Note

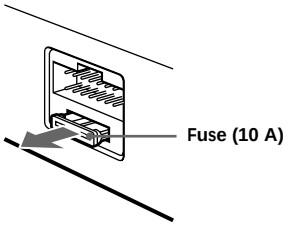
The bass sound may distort at same volume. If the bass sound distorts, select less effective bass curve.

Additional Information

Maintenance

Fuse replacement

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

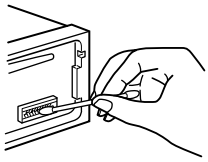


Warning

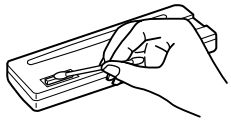
Never use a fuse with an amperage rating exceeding the one supplied with the unit as this could damage the unit.

Cleaning the connectors

The unit may not function properly if the connectors between the unit and the front panel are not clean. In order to prevent this, detach the front panel (page 9) 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.*

continue to next page →

Actual total number:

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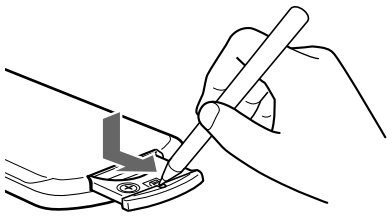
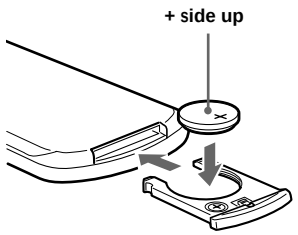
Replacing the lithium battery

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





Notes on lithium battery

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

WARNING

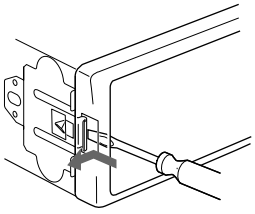
Battery may explode if mistreated.
Do not recharge, disassemble, or dispose of in fire.

Removing the unit

1 Remove the front cover

❶ Detach the front panel (page 9).

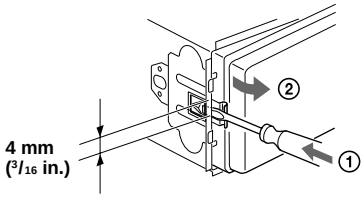
❷ Press the clip inside the front cover with a thin screwdriver.



❸ Repeat step ❷ for the other side.

2 Remove the unit

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



❷ Repeat step ❶ for the right side.

❸ Slide the unit out of its mounting.

Specifications

AUDIO POWER SPECIFICATIONS

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

CD player section

Signal-to-noise ratio	90 dB
Frequency response	10 – 20,000 Hz
Wow and flutter	Below measurable limit

Tuner section

FM

Tuning range	87.5 – 107.9 MHz
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz
Usable sensitivity	11 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	65 dB (stereo), 68 dB (mono)
Harmonic distortion at 1 kHz	
	0.7 % (stereo), 0.5 % (mono)
Separation	33 dB at 1 kHz
Frequency response	30 – 15,000 Hz

AM

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

Power amplifier section

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

General

Outputs	Power antenna relay control lead
Inputs	Telephone ATT control lead
Tone controls	Bass ±10 dB at 20 Hz Treble ±10 dB at 20 kHz
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 178 × 50 × 177 mm ($7\ ^1/_8 \times 2 \times 7$ in.) (w/h/d)
Mounting dimensions	Approx. 182 × 53 × 161 mm ($7\ ^1/_4 \times 2\ ^1/_8 \times 6\ ^3/_8$ in.) (w/h/d)
Mass	Approx. 1.2 kg (2 lb 10 oz)
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1)
Optional accessories	Card remote commander RM-X114 Rotary commander RM-X4S BUS cable (supplied with an RCA pin cord) RC-61 (1 m), RC-62 (2m)
Optional equipment	CD changer (10 discs) CDX-656 CD changer (6 discs) CDX-T69 MD changer (6 discs) MDX-66XLP MG Memory Stick System-up Player MGS-X1 Source Selector XA-C30

Note

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

Design and specifications are subject to change without notice.

Actual total number:

CDX-MP30 (**US**, FR, ES) 3-241-296-**21** (1)

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.
- Turn the VOL control dial clockwise to adjust the volume.
- Cancel the ATT function.
- Set the fader control to the center position for a 2-speaker system.

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

No beep sound.
- The beep sound is canceled (page 19).
- If you connect an optional amplifier and do not use the built-in amplifier, the beep sound will be deactivated.

Indications disappear from/do not appear in the display.
- The clock display disappears if you press (OFF) for 2 seconds.
  → Press (OFF) again for 2 seconds to display the clock.
- Remove the front panel and clean the connectors. See "Cleaning the connectors" (page 21) for details.

When stopping playback or radio reception, the clock is not displayed.
M.DSPL is displayed (M.DSPL mode was set to ON).
→ Set the M.DSPL mode to "off" (page 19).

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

CD playback

A disc cannot be loaded.
- Another CD is already loaded.
- The CD is forcibly inserted upside down or in the wrong way.

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.
After the unit reads all files on the disc, playback may take more time than usual if:
— the number of folders or files on the disc is very large.
— the folder and file organization structure is very complex.

A disc is automatically ejected.
The ambient temperature exceeds 50°C (122°F).

CD will not be ejected.
The operation buttons do not function.
Press the RESET button.

The sound skips from vibration.
- The unit is installed at an angle of more than 60°.
- The unit is not installed in a sturdy part of the car.

The sound skips.
Dirty or defective disc.

Cannot turn off the "--------" indication.
You entered the name edit mode.
→ Press (LIST/PTY) for 2 seconds.

Radio reception

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

The stations cannot be received.
The sound is hampered by noises.
- Connect a power antenna control lead (blue) or accessory power supply lead (red) to the power supply lead of a car's antenna booster. (Only when your car has built-in FM/AM antenna in the rear/side glass.)
- Check the connection of the car antenna.
- The auto antenna will not go up.
  → Check the connection of the power antenna control lead.
- Check the frequency.

Automatic tuning is not possible.
- The local seek mode is set to "ON."
  → Set the local seek mode to "OFF" (page 16).
- 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 16).

A program broadcast in stereo is heard in monaural.
The unit is in monaural reception mode.
→ Cancel monaural reception mode (page 16).

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 cannot play because of some problem.[*2]
  → Insert another CD.

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

NO DISC
No disc is inserted in the CD unit.
→ Insert discs in the CD unit.

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

NO MUSIC
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.

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

RESET
The CD 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

L.SEEK +/–
The Local Seek mode is on during automatic tuning (page 16).

NO AF
There is no alternative frequency for the current station.

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

About ID3 tag version 2

Although not a malfunction, the following occurs when an MP3 file containing ID3 tag ver.2 is played:

— When skipping a portion of ID3 tag ver.2 (at the beginning of the track), sound is not output.
Skip time changes depending ID3 tag ver.2 capacity.
Example: At 64 kbytes, it is about 2 seconds (with RealJukebox).

— The displayed elapsed playing time when skipping a portion of ID3 tag ver.2 is inaccurate.
For MP3 files of a bit rate other than 128 kbps, time is not displayed accurately during playback.

— When an MP3 file is created with MP3 conversion software (ex. RealJukebox), ID3 tag ver.2 will automatically be written.*
** "RealJukebox is a registered trademark of RealNetworks, Inc."*

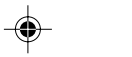
As of December, 2001

Actual total number:

CDX-MP30 (**US**, FR, ES) 3-241-296-**21** (1)

Actual total number:

CDX-MP30 (**US**, FR, ES) 3-241-296-**21** (1)



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