SONY

4-157-172-**12** (1)

Multi Disc Player

Operating Instructions GB

MEX-DV700
MEX-DV707

Video CD

©2009 Sony Corporation

Warning

To prevent fire or shock hazard, do not expose the unit to rain or moisture.
To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

CAUTION

The use of optical instruments with this product will increase eye hazard. As the laser beam used in this CD/DVD player is harmful to eyes, do not attempt to disassemble the cabinet.
Refer servicing to qualified personnel only.

CLASS 1
LASER PRODUCT

This label is located on the bottom of the chassis.

Note on the lithium battery
Do not expose the battery to excessive heat such as direct sunlight, fire or the like.

Warning if your car's ignition has no ACC position
Be sure to set the Auto Off function (page 39).
The unit will shut off completely and automatically in the set time after the unit is turned off, which prevents battery drain.
If you do not set the Auto Off function, press and hold (SOURCE/OFF) until the display disappears each time you turn the ignition off.

To cancel the demonstration (DEMO) display, see page 40.

On safety

- Comply with the traffic laws in your country.
- For your safety, the monitor connected to the VIDEO OUT turns off automatically when the parking brake is not applied.

Preventing an accident
Pictures appear only after you park the car and set the parking brake.
If the car starts moving during video playback, pictures from the VIDEO OUT automatically disappear after displaying the following caution.
The pictures on the screen are turned off, but audio source can be heard.

Video blocked for your safety.

Do not operate the unit or watch the monitor while driving.

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Be sure to install this unit in the dashboard of the car for safety. For installation and connections, see the supplied installation/connections manual.

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Playable discs and symbols used in this manual

This unit can play various video/audio discs.
The following chart helps you to check if a disc is supported by this unit, as well as what functions are available for a given disc type.

	Disc symbol in manual	Disc format
VIDEO	DVD	DVD VIDEO
		DVD-R*1 / DVD-R DL*1 / DVD-RW*1 (Video mode/VR mode)
		DVD+R*1 / DVD+R DL*1 / DVD+RW*1
	VCD	Video CD (Ver. 1.0/1.1/2.0)
AUDIO	CD	Audio CD
		CD-ROM*2 / CD-R*2 / CD-RW*2

*1 *Audio files can also be stored.*
*2 *Video/image files can also be stored.*

Note
"DVD" may be used in this manual as a general term for DVD VIDEOs, DVD-Rs/DVD-RWs, and DVD+Rs/DVD+RWs.

The following chart shows the supported compression formats and their file types.
Available functions differ depending on the format, regardless of disc type. The format symbols below appear next to the description of functions available for that format.

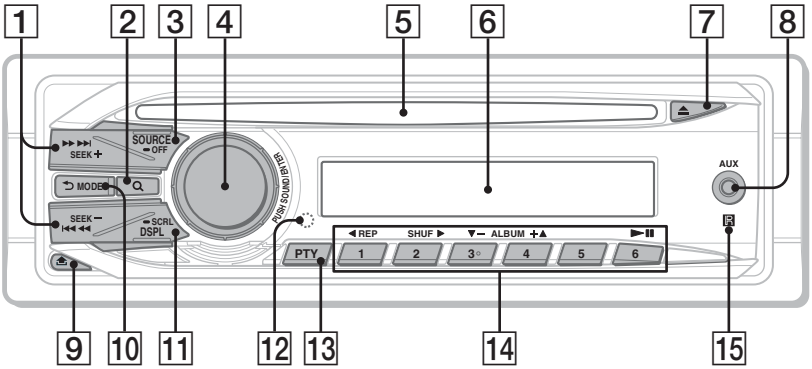
Format symbol in manual	File type
MP3	MP3 audio file
WMA	WMA audio file
AAC	AAC audio file
JPEG	JPEG image file
DivX	DivX® video file
MPEG-4	MPEG-4 video file

Tip
For details on compression formats, see page 44.

Note
Even compatible discs may not be playable on this unit, depending on their recorded condition.

Location and function of controls

Main unit



- Refer to the pages listed for details.
- Instructions in this manual generally describe the controls on the card remote commander. You can also use the controls on the main unit if they have the same or similar names to those on the card remote commander.

1 **SEEK +/– buttons** page 14, 16, 18, 20
Disc*1:
Press to skip a chapter/track/scene/file.
Press and hold momentarily to reverse/fast-forward disc.
Press and hold to reverse/fast-forward track.
Radio:
Press to tune in stations automatically.
Press and hold to find a station manually.

2 **(Browse) button** page 29
To enter the Quick-BrowZer mode.*2

3 **SOURCE/OFF button** page 12, 13, 14, 15, 17
Press to turn on the power/change the source (Radio/Disc/AUX).
Press for 1 second to turn off the power.
Press for more than 2 seconds to shut off completely.

4 **Control dial/SOUND/ENTER button** page 12, 20
Rotate to adjust the volume/adjust a setting.
Press to open the sound menu/apply a setting.
Press and hold to open the system setup menu.

5 **Disc slot** page 15, 17

6 **Display window**

7 **(Eject) button** page 15, 17

8 **AUX input jack** page 42
To connect a portable audio device.

9 **(Front panel release) button** page 13

10 **MODE/ (Back) button** page 14, 19, 29, 30, 43
MODE:
To select the radio band (FM/AM)/select an auxiliary device connected to the AUX input jack (front) or AUX IN terminal (rear).
(Back):
To return to the previous display/move to the upper level/exit the system setup menu or sound menu.

11 **DSPL (Display)/SCRL (Scroll) button** page 19, 22, 42
Press to change display items.
Press and hold to scroll the display item.

12 **RESET button** (located behind the front panel) page 12

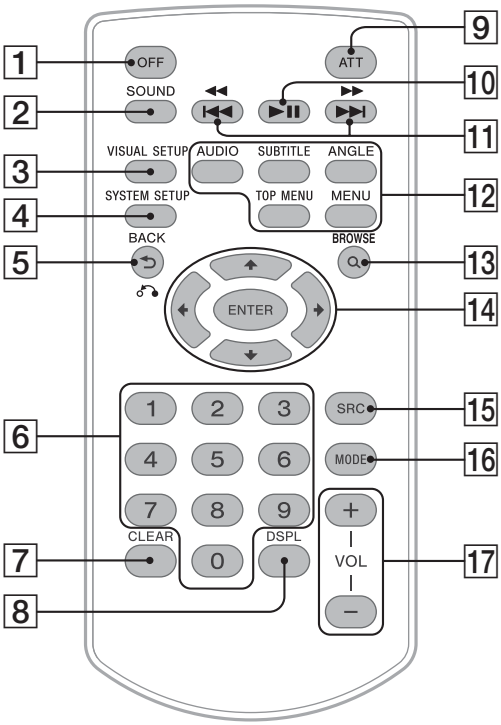
13 **PTY (Program Type) button** page 20
To select PTY in RDS.

14 **Number buttons**
Disc:
(1): ◀ **REP** page 15, 16, 27
(2): **SHUF** ▶ page 15, 16, 27
(3)*3/(4): **ALBUM –/+** (▼/▲) page 15, 16, 18, 20
Press to skip an album or folder/move the cursor.
Press and hold to skip albums or folders continuously.
(6): ▶II (Play/Pause) page 15, 16, 17, 18, 20
Radio:
Press to receive stored stations.
Press and hold to store stations.

15 **Receptor for the card remote commander**

*1 *Operation differs depending on the disc (page 16, 18).*
*2 *When a CD/MP3/WMA/AAC/JPEG/DivX/MPEG-4 is played.*
*3 *This button has a tactile dot.*

Card remote commander RM-X168



- Refer to the pages listed for details.
- Remove the insulation film before use (page 12).

1 **OFF button** page 15, 17
Press to turn off/stop the source.
Press and hold to shut off completely.

2 **SOUND button** page 30, 31, 32
To open the sound menu.

3 **VISUAL SETUP button** page 21, 24, 25, 26, 27, 28, 29, 31, 32, 34
To open the play mode/visual setup menu.

4 **SYSTEM SETUP button** page 19, 24, 32, 33, 38, 42, 43
To open the system setup menu.

5 **(BACK)/ button** page 21, 22, 26, 27, 29, 30, 33, 34
To return to the previous display/move to the upper level/exit the system setup menu or sound menu/return to the menu on a VCD*1.

6 **Number buttons** page 15, 16, 19, 21, 22, 26, 27, 28, 29
Disc:
To locate a title/chapter/track.
Radio:
Press to receive stored stations.
Press and hold to store stations.

7 **CLEAR button** page 26, 29
To delete an entered number.

8 **DSPL (Display) button** page 19, 22, 42
To change display items.

9 ATT (Attenuate) button
To attenuate the sound (to cancel, press again).

10 ►II (Play/Pause) button page 15, 16, 17, 18, 20

11 I◄◄ ◄◄/►► ►►I buttons page 14, 16, 18, 20
Disc*2:
Press to skip a chapter/track/scene/file.
Press and hold momentarily to reverse/fast-forward disc.
Press and hold to reverse/fast-forward track.
Radio:
Press to tune in stations automatically.
Press and hold to find a station manually.

12 DVD playback setting buttons
(AUDIO): page 16, 23
To change the audio language/format. (For VCD/CD/MP3/WMA/AAC/MPEG-4, to change the audio channel.)
(SUBTITLE): page 16
To change the subtitle language.
(ANGLE): page 16
To change the viewing angle.
(TOP MENU): page 16
To open the top menu on a DVD.
(MENU): page 16
To open the menu on a disc.

13 Q (BROWSE) button page 29
To enter the Quick-BrowZer mode.*3

14 ←/↑/↓/→ (Cursor)/ENTER buttons
To move the cursor and apply a setting.

15 SRC (Source) button page 14, 19, 43
To turn on; change the source (Radio/Disc/AUX).

16 MODE button page 14, 19, 43
To select the radio band (FM/AM)/select an auxiliary device connected to the AUX input jack (front) or AUX IN terminal (rear).

17 VOL (Volume) +/– buttons

*1 *When playing with PBC function.*
*2 *Operation differs depending on the disc (page 16, 18).*
*3 *When a CD/MP3/WMA/AAC/JPEG/DivX/MPEG-4 is played.*

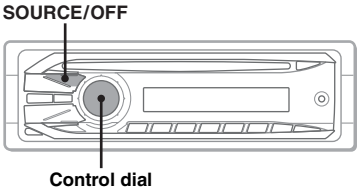
Note
If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless (SOURCE/OFF) on the main unit is pressed, or a disc is inserted to activate the unit first.

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.
Detach the front panel (page 13) and press the RESET button (page 9) with a pointed object, such as a ball-point pen.

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

Performing initial setup



After resetting, the display for initial speaker setup appears.

INIT SETUP

Be sure to set correctly following the procedure below to enjoy the various sound functions of this unit.

To skip the initial setup, press (SOURCE/OFF), or insert a disc.

1 Press the control dial in the initial setup display.

SET SUB OUT

2 Rotate the control dial to set the audio output, then press it.
If a subwoofer is connected, select "SUB OUT."
If a power amplifier is connected, select "REAR OUT."
If neither subwoofer or power amplifier is connected, you can select either "SUB OUT" or "REAR OUT."

POS FRONT L

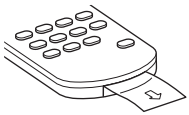
3 Rotate the control dial to select your listening position, then press it.
Select "FRONT L" if your listening position is front left, or select "FRONT R" if front right.
The clock display appears when the setting is complete.

Note
During the initial setup procedure, returning to the previous display is not possible by pressing ↩. To restart the initial setup, reset the unit by pressing the RESET button.

With the card remote commander
Press ↑/↓ instead of rotating the control dial, press (ENTER) instead of pressing the control dial.

Preparing the card remote commander

Remove the insulation film.



Tip
For how to replace the battery, see page 45.

Detaching the front panel

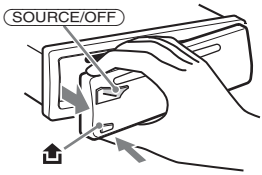
You can detach the front panel of this unit to prevent theft.

Caution alarm

If you turn the ignition switch to the OFF position without detaching the front panel, the caution alarm will sound for a few seconds. The alarm will only sound if the built-in amplifier is used.

1 Press and hold (SOURCE/OFF).
The unit is turned off.

2 Press ⏏, then pull it off towards you.

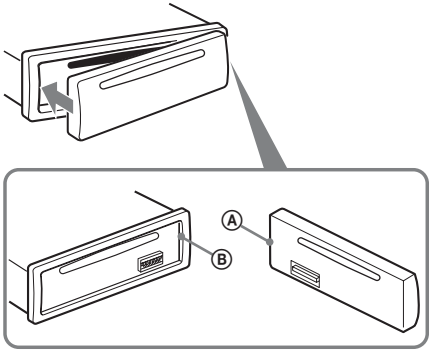


Notes

- *Do not drop or put excessive pressure on the front panel and 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.*

Attaching the front panel

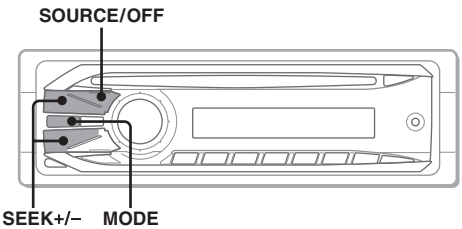
Engage part Ⓐ of the front panel with part Ⓑ of the unit, as illustrated, and push the left side into position until it clicks.

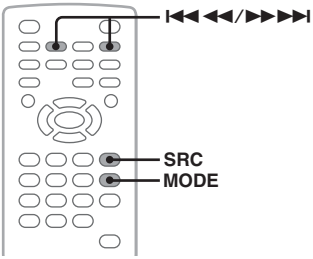


Note

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

Listening to the radio





1 **Press (SOURCE/OFF) repeatedly until "TUNER" appears.**

2 **Press (MODE) repeatedly until the desired band (FM1, FM2, FM3, AM1 or AM2) appears.**

3 **Perform tuning.**

To tune automatically
Press (SEEK) +/–.
Scanning stops when the unit receives a station. Repeat this procedure until the desired station is received.

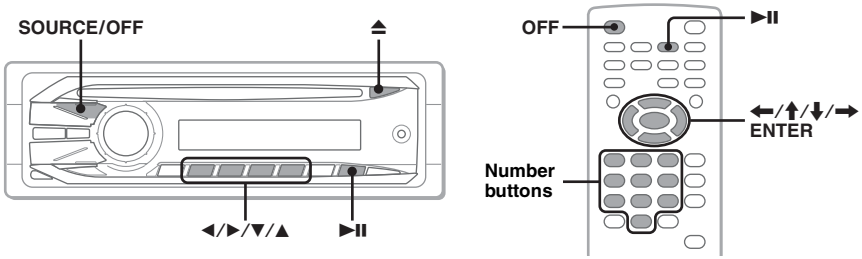
To tune manually
Press and hold (SEEK) +/– to locate the approximate frequency, then press (SEEK) +/– repeatedly to fine adjust to the desired frequency.

Tip
For details on other radio functions, see "Advanced Operations — Radio" on page 19.

With the card remote commander
Use (SRC) instead of (SOURCE/OFF), and ⏮ ◀◀/▶▶ ⏭ instead of (SEEK) –/+.

Playing video discs

Depending on the disc, some operations may be different or restricted.
Refer to the operating instructions supplied with your disc.



1 **Turn on your monitor, then select the input source on your monitor corresponding to this unit.**

2 **Insert the disc (label side up).**
Playback starts automatically.
If playback does not start automatically, press ▶II.

3 **If the DVD menu appears, press (1)(◀)/(2)(▶)/(3)(▼)/(4)(▲) to move the cursor, then press (6) (▶II) to confirm.**
With the card remote commander, press the ←/↑/↓/→/number buttons to move the cursor, then press (ENTER) to confirm.

To stop playback
Press (SOURCE/OFF) for 1 second.
With the card remote commander, press (OFF).

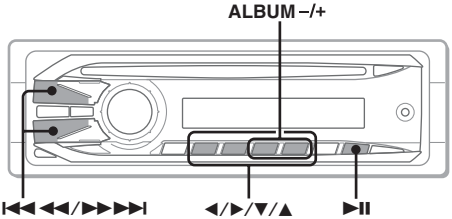
To eject the disc
Press ⏏.

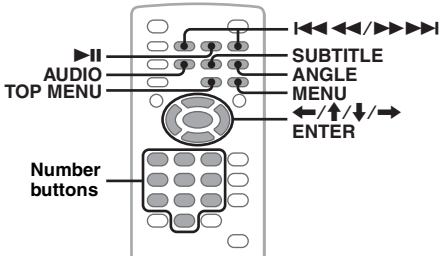
Note
Discs in DTS format are not supported. The sound is not output if the DTS format is selected.

About the DVD menu
A DVD is divided into several sections, which make up a picture or music feature. These sections are called "titles." When you play a DVD that contains several titles, you can select a desired title using the DVD's top menu. For DVDs that allow you to select items such as subtitle/sound language(s), select these items using the DVD menu.

continue to next page →

Other playback operations





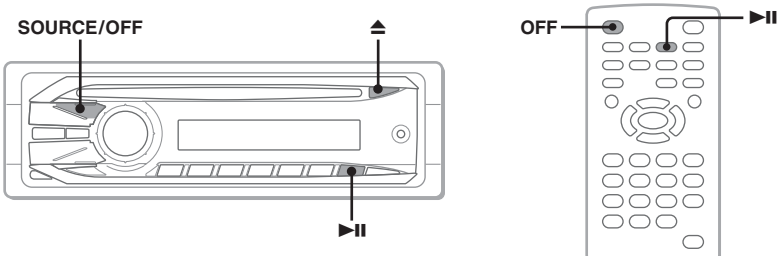
To	Press
pause/resume play after pause	▶II
skip a chapter/track/scene/file	⏮ ◀◀/▶▶ ⏭
reverse/fast-forward disc	and hold ⏮ ◀◀/▶▶ ⏭ momentarily; and then repeatedly to switch the speed (× 2 → × 12 → × 120 → × 2…)
cancel reverse/fast-forward	▶II
show the DVD menu*1	**Remote:** (TOP MENU) or (MENU)
select items in the DVD menu*1	**Main unit:** (1)(◀)/(2)(▶)/(3)(▼)/(4)(▲) to move the cursor, then press (6) (▶II) to confirm **Remote:** ←/↑/↓/→/number buttons to move the cursor, then press (ENTER) to confirm
change audio language/format/channel (page 23)*1	**Remote:** (AUDIO) repeatedly until the desired item appears
turn off/change the subtitle language*1	**Remote:** (SUBTITLE) repeatedly until the desired item appears*2
change the viewing angle*1	**Remote:** (ANGLE) repeatedly until the desired angle number appears
skip an album (folder)*3	**Main unit:** (3) (ALBUM –)/(4) (ALBUM +)
skip albums (folders) continuously*3	**Main unit:** and hold (3) (ALBUM –)/(4) (ALBUM +)

*1 *Unavailable depending on the disc.*
*2 *When the 4-digit input prompt appears, input the language code (page 51) for the desired language.*
*3 *When a DivX/MPEG-4 is played.*

Note on DivX/MPEG-4 playback
If a disc contains multiple file types, only the selected file type (audio/video/image) can be played.
To play DivX/MPEG-4 video files of such a disc, press 🔍 during playback, select "LIST UP VIDEO FILES," then select the desired file (page 29).

Playing audio discs

Depending on the disc, some operations may be different or restricted.
Refer to the operating instructions supplied with your disc.



1 **Insert the disc (label side up).**
Playback starts automatically.
If playback does not start automatically, press ▶II.

To stop playback

Press (SOURCE/OFF) for 1 second.
With the card remote commander, press (OFF).

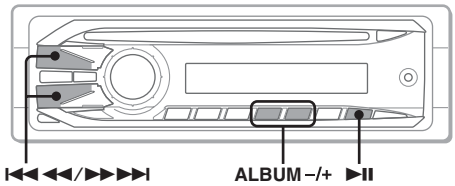
To eject the disc

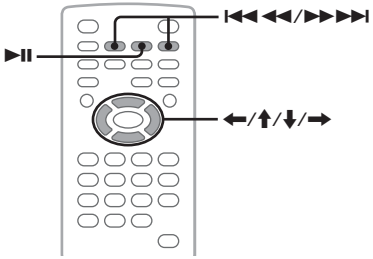
Press ⏏.

Note
Discs in DTS format are not supported. The sound is not output if the DTS format is selected.

continue to next page →

Other playback operations





To	Press
pause/resume play after pause	▶II
skip a track	⏮ ◀◀ (←)/▶▶ ⏭ (→)
reverse/fast-forward track	and hold ⏮ ◀◀/▶▶ ⏭
skip an album*	**Main unit:** ③ (ALBUM –)/④ (ALBUM +) **Remote:** ↑/↓
skip albums continuously*	**Main unit:** and hold ③ (ALBUM –)/④ (ALBUM +) **Remote:** and hold ↑/↓

* *When an MP3/WMA/AAC is played.*

Storing and receiving stations

Caution

When tuning in stations while driving, use Best Tuning Memory (BTM) to prevent an accident.

Storing automatically — BTM

1 Press (SRC) repeatedly until "TUNER" appears on the main unit.
To change the band, press (MODE) repeatedly. You can select from FM1, FM2, FM3, AM1 or AM2.

2 Press (SYSTEM SETUP).
The system setup item appears.

3 Press ↑/↓ to select "BTM," then press (ENTER).
The unit stores stations in order of frequency on the number buttons ((1) to (6)).
A beep sounds when the setting is stored.

With the main unit
Press (SOURCE/OFF) instead of (SRC), press and hold the control dial instead of pressing (SYSTEM SETUP), rotate the control dial instead of pressing ↑/↓, press the control dial instead of (ENTER).

Storing manually

1 While receiving the station that you want to store, press and hold a number button ((1) to (6)) until "MEM" appears on the main unit.
The number button indication appears on the main unit.

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

Receiving stored stations

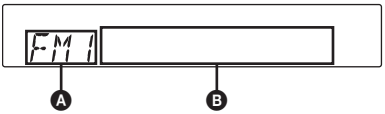
1 Select the band, then press a number button ((1) to (6)).

RDS

Overview

FM stations with Radio Data System (RDS) service send inaudible digital information along with the regular radio program signal.

Display items



Ⓐ Radio band, Function
Ⓑ Program service name, Clock, Frequency*, Preset number

* *While receiving the RDS station, "*" is displayed on the left of the frequency indication.*

To change display items Ⓑ, press (DSPL).

RDS services

This unit automatically provides RDS services as follows:

PTY (Program Types)
Displays the currently received program type. Also searches your selected program type.

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

Notes
- *Depending on the country/region, not all RDS functions may be available.*
- *RDS will not work if the signal strength is too weak, or if the station you are tuned to is not transmitting RDS data.*

Selecting PTY

1 Press (PTY) on the main unit during FM reception.

PTY NEWS

The current program type name appears if the station is transmitting PTY data.

2 Rotate the control dial to select the program type.

3 Press the control dial.
The unit searches for a station broadcasting the selected program type.

Type of programs

NEWS (News), **AFFAIRS** (Current Affairs), **INFO** (Information), **SPORT** (Sports), **EDUCATE** (Education), **DRAMA** (Drama), **CULTURE** (Culture), **SCIENCE** (Science), **VARIED** (Varied), **POP M** (Pop Music), **ROCK M** (Rock Music), **EASY M** (M.O.R. Music), **LIGHT M** (Light classical), **CLASSICS** (Serious classical), **OTHER M** (Other Music), **WEATHER** (Weather), **FINANCE** (Finance), **CHILDREN** (Children's program), **SOCIAL A** (Social Affairs), **RELIGION** (Religion), **PHONE IN** (Phone In), **TRAVEL** (Travel), **LEISURE** (Leisure), **JAZZ** (Jazz Music), **COUNTRY** (Country Music), **NATION M** (National Music), **OLDIES** (Oldies Music), **FOLK M** (Folk Music), **DOCUMENT** (Documentary)

Notes
- *You cannot use this function in countries/regions where no PTY data is available.*
- *You may receive a different radio program from the one you select.*

Setting CT

1 Set "CT-ON" in system setup (page 39).

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.*

Advanced Operations — Discs

This chapter consists of the following sections.

- **Video-specific operations*** **→ page 20 to 27**
- **Video*/audio common operations** **→ page 27 to 29**
- **Audio-specific operations** **→ page 30**

* *Including JPEG operations.*

Playing JPEG files

JPEG

You can enjoy a slide show of JPEG files on this unit. The slide show starts automatically when you insert a disc or press ▶II. For details on how to start playback, follow step 1 to 3 of "Playing video discs" on page 15.

Other playback operations

To	Press
rotate the image	**Remote:** ←/→ (rotates every 90º)
skip an image	⏮ ◀◀/▶▶ ⏭
skip an album	**Main unit:** (3) (ALBUM –)/ (4) (ALBUM +)
skip albums continuously	**Main unit:** and hold (3) (ALBUM –)/ (4) (ALBUM +)

Notes
- *If a large-sized image is rotated, it may take longer to display.*
- *Progressive JPEG files cannot be displayed.*
- *If the disc contains multiple file types, only the selected file type (audio/video/image) can be played. To play JPEG image files of such a disc, press 🔍 during playback, select "LIST UP IMAGE FILES," then select the desired file (page 29).*

Tip
You can also select a file to play using a list (Quick-BrowZer) (page 29).

Using PBC functions — Playback control

VCD

The PBC menu assists your operation interactively while a PBC compatible VCD is played.

1 Press (VISUAL SETUP) while the unit is off.
The visual setup menu appears.

2 Press ↑/↓ to select (CUSTOM SETUP), then press (ENTER).
The custom setup items appear.

3 Press ↑/↓ to select "PBC," then press (ENTER).

4 Press ↑/↓ to select "ON," then press (ENTER).

5 Start playing a PBC compatible VCD.
The PBC menu appears.

6 Press the number buttons to select the desired item, then press (ENTER).

7 Follow the instructions in the menu for interactive operations.

To return to the previous display, press ↶.

Playing without the PBC function

1 Select "PBC: OFF" in the visual setup menu, then start playing a VCD.
Playback starts. The PBC menu does not appear during playback.

Notes
- *The items on the menu, and operation procedures differ depending on the disc.*
- *During PBC playback, the track number, playback item, etc., do not appear in the play mode menu (page 21).*
- *Resume playback is unavailable during playback without PBC.*

Using play mode menu

DVD VCD JPEG DivX MPEG-4

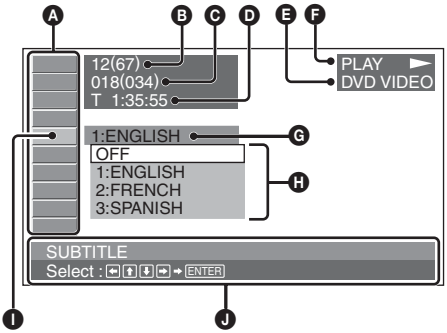
You can use the play mode menu on this unit to control playback or configure playback settings.

To show the play mode menu, press (VISUAL SETUP) during playback.
To hide, press (VISUAL SETUP) again.

Notes
- *During audio disc playback, (VISUAL SETUP) is inactive.*
- *During JPEG playback, (VISUAL SETUP) is active only when an image is fully displayed.*

Tip
If you press (VISUAL SETUP) while the playback is stopped, the visual setup menu (by the monitor) appears where you can configure various settings, such as display language, audio adjustment, etc. (page 34).

E.g., when playing a DVD



Ⓐ Play mode menu items
For details, see "List of play mode menu items" on page 22.
Ⓑ DVD: Title number/Total
VCD: Track number/Total*1
JPEG: Album number/Total
DivX/MPEG-4: Album (folder) number/Total
Ⓒ DVD: Chapter number/Total
JPEG: Image number/Total
DivX/MPEG-4: File number/Total
Ⓓ Elapsed playback time*2
Ⓔ Format
Ⓕ Playback status (PLAY ►, PAUSE ❚❚, etc.)
Ⓖ Current setting
Ⓗ Options
Ⓘ Selected item
Ⓙ Selected item name and/or operation assist messages

*1 *When playing a VCD with the PBC function (page 21), no indication appears.*
*2 *During JPEG playback, no indication appears.*

continue to next page →

List of play mode menu items

Press ←/↑/↓/→/number buttons to select an item, then press (ENTER).
To return to the previous display, press ↩.
Refer to the pages listed for details.

TITLE, TRACK 28
To select a title, scene or track to play.
DVD VCD

ALBUM 28
To select an album or folder to display.
JPEG DivX MPEG-4

CHAPTER 28
To select a chapter to play.
DVD

IMAGE 28
To select an image to display.
JPEG

FILE 28
To select a video file to play.
DivX MPEG-4

TIME 28
To check the elapsed playback time; input time code.
DVD VCD DivX MPEG-4

AUDIO 16, 23
To change the audio language/format/channel; check the program format.
DVD VCD DivX MPEG-4

SUBTITLE 16
To turn subtitles on or off/change the subtitle language.
DVD

ANGLE 16
To change the angle.
DVD *

CENTER ZOOM 25
To magnify an image.
DVD VCD DivX MPEG-4

REPEAT 28
To play a title/chapter/track/album/image/video file repeatedly.
DVD VCD JPEG DivX MPEG-4

SHUFFLE 28
To play chapters/tracks/images/video files in random order.
DVD * VCD JPEG DivX MPEG-4

PICTURE EQ 25
To adjust picture quality.
DVD VCD JPEG DivX MPEG-4

* *Excluding DVD-R/DVD-R DL/DVD-RW in VR mode.*

Tip
When "SHUFFLE" or "REPEAT" is activated or "ANGLE" is available, its check-box lights up in green (e.g., →). However, you may not be able to change the angle depending on the scene, even if the check-box is lit in green.

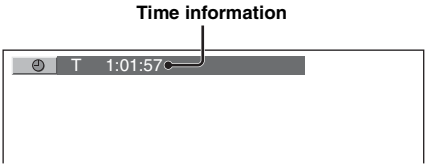
Viewing time/text information of the disc

DVD VCD JPEG DivX MPEG-4

Checking time information

The playback time and remaining time of the current title, chapter, track, etc., can be checked during video/image playback.

1 During playback, press (DSPL).
The current playback information appears.



2 Press (DSPL) repeatedly to switch the time information.

Time information differs depending on the disc/format as follows.

DVD playback

- T **:**:**
  Elapsed playback time of the current title
- T-**:**:**
  Remaining time of the current title
- C **:**:**
  Elapsed playback time of the current chapter
- C-**:**:**
  Remaining time of the current chapter

VCD playback

(Only when playing version 1.0/1.1, or version 2.0 without PBC function.)

- T **:**
  Elapsed playback time of the current track
- T-**:**
  Remaining time of the current track
- D **:**
  Elapsed playback time of the current disc
- D-**:**
  Remaining time of the current disc

JPEG playback

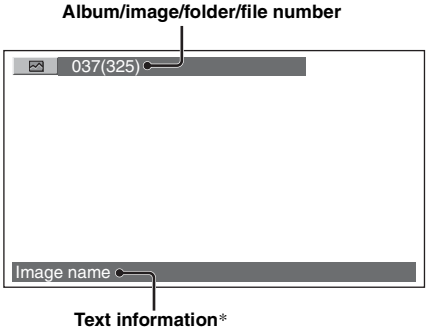
- Album number/Total
- Image number/Total

DivX/MPEG-4 playback

- Album (folder) number/Total
- File number/Total
- T **:**
  Elapsed playback time of the current file

Checking text information

The text information (album name, image name, etc.) of JPEG/DivX/MPEG-4 files can be checked.



* *"NO TEXT" appears if there is no text information.*

Text information differs depending on the format as follows.

JPEG playback

- Album name (when the album number is displayed)
- Image name (when the image number is displayed)

DivX/MPEG-4 playback

- Album (folder) name (when the album (folder) number is displayed)
- File name (when the file number is displayed)

Configuring audio settings

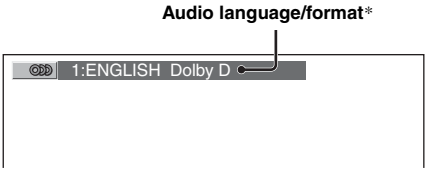
Note

Discs in DTS format are not supported. The sound is not output if the DTS format is selected.

Changing the audio language/ format DVD DivX

For DVD, the audio language can be changed if the disc is recorded with multilingual tracks. For DVD/DivX, you can change the audio format when playing a disc recorded in multiple audio formats (e.g., Dolby Digital).

1 During playback, press (AUDIO) repeatedly until the desired audio language/format appears.



* *When playing DivX, audio format/channel (e.g., "MP3") appears.*

The audio language switches among the available languages.
When the 4-digit input prompt appears, input the language code (page 51) for the desired language.
When the same language is displayed two or more times, the disc is recorded in multiple audio formats.

Changing the audio channel

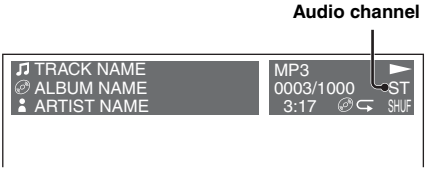
VCD CD MP3 WMA AAC MPEG-4

When playing VCD/CD/MP3/WMA/AAC/ MPEG-4, you can select the right or left channel sound to listen through both right and left speakers.
The options are indicated below.

STEREO (ST): Standard stereo sound (default)
1/L (L): Left channel sound (monaural)
2/R (R): Right channel sound (monaural)

continue to next page →

1 During playback, press (AUDIO) repeatedly until the desired audio channel appears.
E.g., when playing an MP3



Note
You may not be able to change the audio setting depending on the disc.

Tip
You can also change the settings of video discs by selecting "AUDIO" in the play mode menu (page 21).

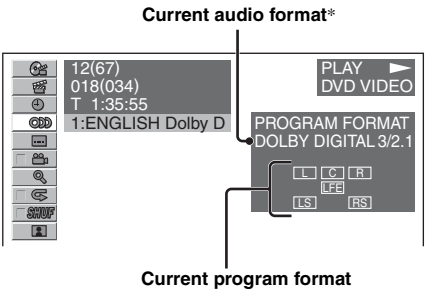
Checking the program format

DVD

You can check the number of channels and component position on the DVD VIDEO being played.

1 During playback, press (VISUAL SETUP).
The play mode menu appears.

2 Press ↑/↓ to select (AUDIO).
The program format appears.

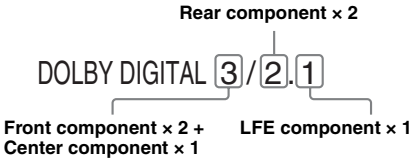


* *"PCM," "DOLBY DIGITAL," etc., appears depending on the disc.*

The letters in the program format display represent the following sound components and its position.

- [L] : Front (left)
- [R] : Front (right)
- [C] : Center
- [LS] : Rear (left)
- [RS] : Rear (right)
- [S] : Rear (monaural): The rear component of the Dolby Surround processed signal and the Dolby Digital signal
- [LFE] : Low Frequency Effect signal

The program format name and channel numbers appear as follow.
Example: Dolby Digital 5.1 ch



To hide the play mode menu, press (VISUAL SETUP).

Adjusting the audio output level — DVD level

DVD

You can adjust the audio output level for a DVD recorded in Dolby Digital format, to reduce the volume level differences between disc and source.

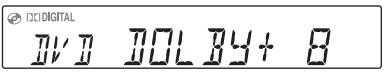
1 During playback, press (SYSTEM SETUP).
The system setup item appears on the main unit.

2 Press ↑/↓ to select "DVD-LEVEL," then press (ENTER).

3 Press ↓ to set to "ADJST-ON," then press (ENTER).

4 Press ↑/↓ to select "DOLBY-ADJ," then press (ENTER).

5 Press ↑/↓ to adjust the output level.
The output level is adjustable in single steps, between –10 and +10.



6 Press (ENTER).
The setting is complete.

To hide the system setup display, press (SYSTEM SETUP).

With the main unit
Press and hold the control dial instead of pressing (SYSTEM SETUP), rotate the control dial instead of pressing ↑/↓, press the control dial instead of (ENTER).

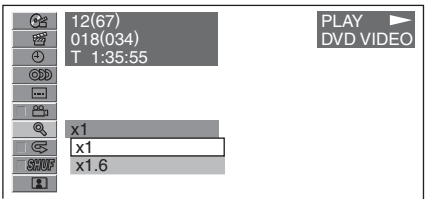
Magnifying pictures

DVD VCD DivX MPEG-4

You can magnify pictures.

1 During playback, press (VISUAL SETUP).
The play mode menu appears.

2 Press ↑/↓ to select (CENTER ZOOM), then press (ENTER).
The current option appears.



3 Press ↑/↓ to select the desired option (×1, ×1.6*), then press (ENTER).
** The picture may become grainy.*
The picture is magnified.

To hide the play mode menu, press (VISUAL SETUP).

To scroll the picture, press ←/↑/↓/→.
To restore the original scale, select "×1" in step 3.

Notes
- *Depending on the disc, you may not be able to change the magnification.*
- *When you resume playback, the picture returns to its original scale.*
- *If you return to a disc's menu/top menu, magnification will be canceled.*

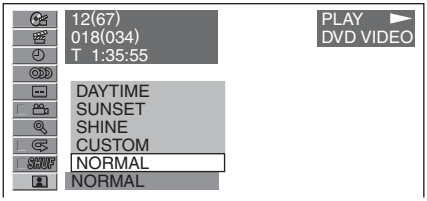
Adjusting the picture quality — Picture EQ

DVD VCD JPEG DivX MPEG-4

You can select a picture quality suitable for the interior brightness of the car.

1 During playback, press (VISUAL SETUP).
The play mode menu appears.

2 Press ↑/↓ to select (PICTURE EQ), then press (ENTER).
The current option appears.



3 Press ↑/↓ to select the desired option, then press (ENTER).

Options differ depending on the setting in visual setup (page 35).
In visual setup, the settings of "PICTURE EQ" in "DISPLAY SETUP" switch the options as follows.

AUTO: Switches the night time/day time use options automatically according to the dimmer setting in system setup (page 40).
LIGHT ON: Shows the night time use options.
LIGHT OFF: Shows the day time use options.

The options for each setting are indicated below.

For all settings

NORMAL: Normal picture quality.

CUSTOM: User-adjustable settings (page 26).

When set to "LIGHT ON"/"AUTO" (with "DIM-ON")

NIGHT: Darkens the monitor to not distract your driving at night.

MIDNIGHT: Darkens the monitor more than the "NIGHT" setting.

THEATER: Brightens the monitor; suitable when you want to enjoy a bright monitor at night.

When set to "LIGHT OFF"/"AUTO" (with "DIM-OFF")

DAYTIME: Suitable in a bright place.

SUNSET: Suitable when it gets little dark.

SHINE: Suitable in a very bright place (e.g., when sunlight reflects on the monitor).

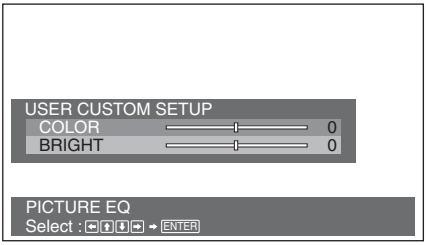
Customizing the picture quality

The option "CUSTOM" allows you to make your own picture quality setting by adjusting picture tones. You can store adjustments for both "LIGHT ON' and "LIGHT OFF" settings.

1 During playback, press (VISUAL SETUP).
The play mode menu appears.

2 Press ↑/↓ to select (PICTURE EQ), then press (ENTER).
The current option appears.

3 Press ↑/↓ to select "CUSTOM," then press (ENTER).



4 Press ↑/↓ to select the picture tone, then press ←/→ to adjust the level.

5 Press (ENTER).

To hide the play mode menu, press (VISUAL SETUP).

Locking discs — Parental control

DVD *

* *Excluding DVD-R/DVD-R DL/DVD-RW in VR mode.*

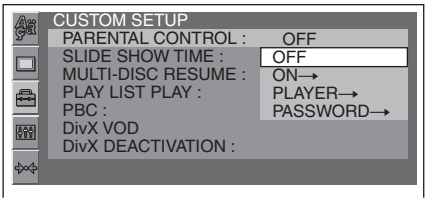
You can lock a disc, or set playback restrictions according to a predetermined level such as viewer age. Restricted scenes can be blocked or replaced with different scenes when a parental control compatible DVD is played.

Activating parental control

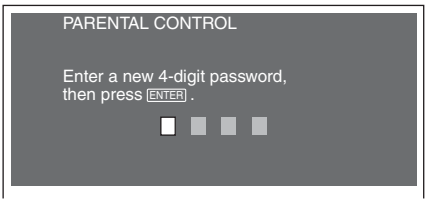
1 Press (VISUAL SETUP) while the unit is off.
The visual setup menu appears.

2 Press ↑/↓ to select (CUSTOM SETUP), then press (ENTER).
The custom setup items appear.

3 Press ↑/↓ to select "PARENTAL CONTROL," then press (ENTER).
The options appear.



4 Press ↑/↓ to select "ON →," then press (ENTER).
The password setting display appears.



5 Press the number buttons to enter your password, then press (ENTER).
The confirmation display appears.

6 To confirm, press the number buttons to reenter your password, then press (ENTER).
The setting is complete.

To delete an entered number, press (CLEAR).
To return to the previous display, press ↩.
To hide the visual setup menu, press (VISUAL SETUP).

Deactivating parental control

Select "OFF" in step 4 above, then enter your password.
If parental control is deactivated, "Parental control canceled" appears.

Changing the password

Select "PASSWORD →" in step 4 above, enter your current password, enter your new password, then reenter to confirm.

Changing the area and its movie rating level

The restriction levels can be set depending on the area and its movie ratings.

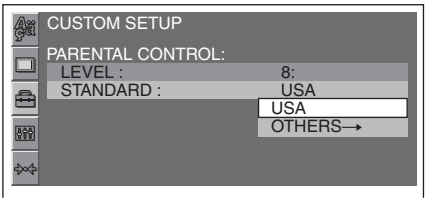
1 Press (VISUAL SETUP) while the unit is off.
The visual setup menu appears.

2 Press ↑/↓ to select (CUSTOM SETUP), then press (ENTER).
The custom setup items appear.

3 Press ↑/↓ to select "PARENTAL CONTROL," then press (ENTER).
The options appear.

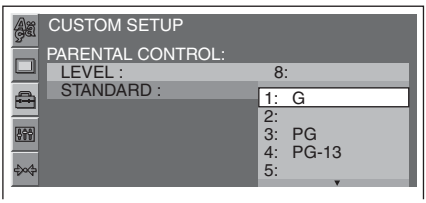
4 Press ↑/↓ to select "PLAYER →," then press (ENTER).
When parental control is already activated, the display to enter your password appears. To change the setting, enter your password, then press (ENTER).

5 Press ↑/↓ to select "STANDARD," then press (ENTER).
The options appear.



6 Press ↑/↓ to select the desired area to apply its movie ratings, then press (ENTER).
The area is selected.
When you select "OTHERS →," enter the area code selecting from "Area code list" on page 51, using the number buttons.

7 Press ↑/↓ to select "LEVEL," then press (ENTER).
The options appear.



The lower the number, the stricter the restriction level.

8 Press ↑/↓ to select the desired rating, then press (ENTER).
The setting is complete.

To return to the previous display, press ↩.
To hide the visual setup menu, press (VISUAL SETUP).

Repeat and shuffle play

DVD VCD CD MP3 WMA AAC JPEG DivX MPEG-4

1 During playback, press (1) (REP) or (2) (SHUF) on the main unit repeatedly until the desired option appears.

Repeat or shuffle play starts.

The repeat options and switching order of each disc/format are indicated below.

Disc/format	Options
DVD	**OFF** **TITLE**: Repeats the current title. **CHAPTER**: Repeats the current chapter.
VCD *1 CD	**OFF** **TRACK**: Repeats the current track.
MP3 WMA AAC	**OFF** **TRACK**: Repeats the current track. **ALBUM**: Repeats the current album.
JPEG	**OFF** **IMAGE**: Repeats the current image. **ALBUM**: Repeats the current album.
DivX MPEG-4	**OFF** **FILE**: Repeats the current video file. **ALBUM**: Repeats the current album (folder).

continue to next page →

The shuffle options and switching order of each disc/format are indicated below.

Disc/format	Options
DVD *2	**OFF** **TITLE**: Plays chapters in current title in random order.
VCD *1 C D	**OFF** **DISC**: Plays tracks in current disc in random order.
MP3 WMA AAC JPEG DivX MPEG-4	**OFF** **ALBUM**: Plays tracks/images/video files in current album (folder) in random order.

*1 *Available only when playing version 1.0/1.1 VCD, or version 2.0 VCD without PBC function.*
*2 *Excluding DVD-R/DVD-R DL/DVD-RW in VR mode.*

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

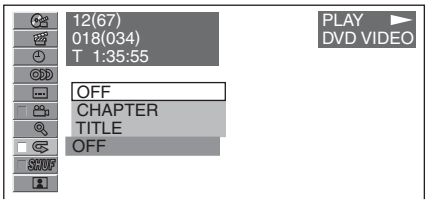
Notes
- *If you return to a disc's menu/top menu, repeat/shuffle play will be canceled.*
- *Repeat/shuffle play cannot be set in the disc's menu/top menu.*

Setting from the play mode menu

DVD VCD JPEG DivX MPEG-4

1 During playback, press (VISUAL SETUP).
The play mode menu appears.

2 Press ↑/↓ to select ☐ or ☐ SHUF, then press (ENTER).



3 Press ↑/↓ to select the desired option, then press (ENTER).
Repeat or shuffle play starts.

Press (VISUAL SETUP) to hide the play mode menu.

Direct search play

DVD VCD C D MP3 WMA AAC JPEG DivX MPEG-4

You can directly locate a desired point by specifying the title number, chapter number, etc.

1 During playback, press the number buttons to enter an item (track, title, etc.) number, then press (ENTER).
Playback starts from the beginning of the selected point.

Setting from the play mode menu

DVD VCD JPEG DivX MPEG-4

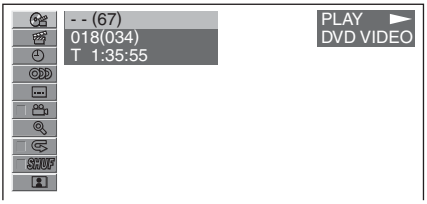
Search items differ depending on the disc/format as follows.

Disc/Format	Items
DVD	**TITLE** Starts playing from a selected title. **CHAPTER** Starts playing from a selected chapter. **TIME** Starts playing from the point determined by the input time code.
VCD *	**TRACK** Starts playing from a selected track.
JPEG	**ALBUM** Starts playing from a selected album. **IMAGE** Starts playing from a selected image.
DivX MPEG-4	**ALBUM** Starts playing from a selected album (folder). **FILE** Starts playing from a selected file.

* *Available only when playing VCD without PBC function.*

1 During playback, press (VISUAL SETUP).
The play mode menu appears.

2 Press ↑/↓ to select the desired item, then press (ENTER).



The number in parentheses indicates the total number of selected item.

3 Press the number buttons to enter an item number or time code.
For example, to locate 2 hours, 10 minutes, and 20 seconds, just enter "21020."
To clear numbers already input, press (CLEAR).

4 Press (ENTER).
Playback starts from the selected point.

Press (VISUAL SETUP) to hide the play mode menu.

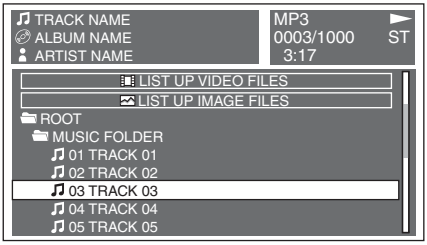
Listing up tracks/images/video files — Quick-BrowZer

Selecting a track/image/video file

CD MP3 WMA AAC JPEG DivX MPEG-4

You can list up albums/folders/tracks/images/video files on the monitor, and select a desired one to play.
This function is convenient especially for the disc in MP3/WMA/AAC/JPEG/DivX/MPEG-4 format containing many albums/tracks, etc.

1 During playback, press 🔍.
The list of categories or files in the currently played item appears.



To return/proceed to the previous/next page, press ←/→.
To move to upper level, press ↩.

2 Press ↑/↓ to select the desired item, then press (ENTER).
Playback starts.

With the main unit
Rotate the control dial instead of pressing ↑/↓, press (SEEK) –/+ instead of ←/→, press the control dial instead of (ENTER).

Selecting a file type

MP3 WMA AAC JPEG DivX MPEG-4

If the disc contains multiple file types, only the selected file type (audio/video/image) can be played. The playback priority order of file type is initially set to audio, video, then image (e.g., if the disc contains video files and image files, only video files are played). You can select the file type to list up, then select the desired file to play.

1 During playback, press 🔍.

2 Press ↑/↓ to select the file type to list up, then press (ENTER).
To list up MP3, WMA and AAC files, select "LIST UP AUDIO FILES."
To list up DivX/MPEG-4 files, select "LIST UP VIDEO FILES."
To list up JPEG files, select "LIST UP IMAGE FILES."

3 Press ↑/↓ to select the desired file, then press (ENTER).
Playback of the selected file starts.

With the main unit
Rotate the control dial instead of pressing ↑/↓, press the control dial instead of (ENTER).

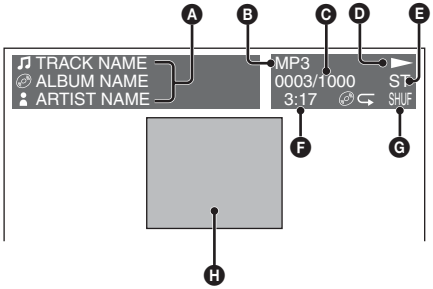
Viewing audio disc information

CD MP3 WMA AAC

During audio playback, you can check the disc information or display the sleeve image (Album Artwork Display)* of MP3/WMA/AAC file on the monitor.

* *The recommended size is from 240 × 240 to 960 × 960 pixels.*

E.g., when playing an MP3



Ⓐ Track number or track name
Disc name/Album name
Artist name
Ⓑ Format
Ⓒ Track number/Total
Ⓓ Playback status (►, ❚❚, etc.)
Ⓔ Current audio channel
When playing CD/MP3/WMA/AAC, the audio channel can be changed. For details, see "Changing the audio channel" on page 23.
Ⓕ Elapsed playback time
Ⓖ Current play mode
Ⓗ Album Artwork Display/Wallpaper

Tip
You can select a track to play using a list (Quick-BrowZer) (page 29).

Sound Adjustment

Adjusting the sound characteristics — SOUND

You can adjust the sound characteristics according to your preference.

1 During reception/playback, press (SOUND) repeatedly until the desired setting item appears on the main unit.

2 Press ↑/↓ to adjust the level or select the desired option.

3 Press ↩.
The setting is complete and the display returns to normal play/reception mode.

With the main unit
Press the control dial instead of (SOUND), rotate the control dial instead of pressing ↑/↓.

The setting items in the sound menu are indicated below.
Follow the page reference for details.

BAL (Balance): Adjusts the sound balance between the left and right speakers.

FAD (Fader): Adjusts the relative level between the front and rear speakers.

SUB*1 (Subwoofer): Adjusts the subwoofer volume.

EQ7: Selects an equalizer curve from 7 music types:
"XPLOD," "VOCAL," "EDGE," "CRUISE," "SPACE," "GRAVITY," "CUSTOM," "OFF."

CSO*2 (Center Speaker Organizer): Selects the virtual center speaker mode: "OFF," "1," "2," "3" (page 31).

POS (Position): Selects the listening position (page 31).

POS SUB*3 (Subwoofer position): Selects the subwoofer position from your listening position: "NEAR," "NORM," "FAR" (page 32).

RBE (Rear Bass Enhancer): Uses rear speakers as a subwoofer: "OFF," "1," "2," "3" (page 31).

*1 *Appears only when "REAR/SUB" is set to "SUB OUT" (page 39).*
*2 *Appears only when a disc is played.*
*3 *Appears only when "REAR/SUB" is set to "SUB OUT" (page 39), and the "POS" is set to "FRONT L"/"FRONT R"/"FRONT"/"ALL" (page 31).*

Enjoying sophisticated sound functions

Creating a virtual center speaker — CSO

To fully enjoy surround sound, it is adequate to have 5 speakers (front left/right, rear left/right, center) and 1 subwoofer. CSO (Center Speaker Organizer) allows you to create a virtual center speaker even though it is not connected.

To set CSO, while a disc is played, press (SOUND) repeatedly until "CSO" appears, then select the desired mode.
For details on this procedure, see "Adjusting the sound characteristics — SOUND" on page 30.

Note
CSO is effective only when "MULTI CH OUTPUT" is set to "MULTI" (page 37), as it is effective only for playback of multi-channel sources.

Using rear speakers as a subwoofer — RBE

RBE (Rear Bass Enhancer) enhances the bass sound by applying the low pass filter setting (page 41) to rear speakers. This function allows rear speakers to work as a subwoofer even if it is not connected.

To set RBE, press (SOUND) repeatedly until "RBE" appears, then select the desired mode.
For details on this procedure, see "Adjusting the sound characteristics — SOUND" on page 30.

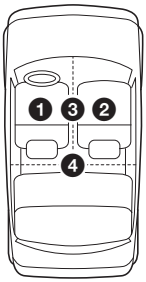
Optimizing sound for the listening position — Intelligent Time Alignment

The unit can change the localization of sound by delaying the sound output from each speaker to suit your position, and simulate a natural sound field with the feeling of being in the center of it wherever you sit in the car.

The setting is configurable both from the sound menu (page 30) and the visual setup menu (page 34).

The options for "POS" (sound menu) and "POSITION" (visual setup menu) are indicated below.

FRONT L (❶): Front left
FRONT R (❷): Front right
FRONT (❸): Center front
ALL (❹): In the center of your car
CUSTOM*: Precisely calibrated position



* *For details on how to calibrate, see "Precisely calibrating the listening position — Intelligent Time Alignment Tune" on page 32.*

By the sound menu

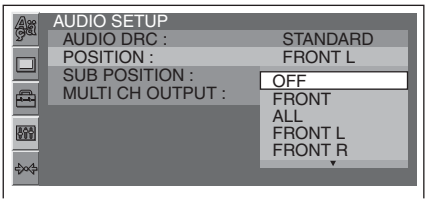
Press (SOUND) repeatedly until "POS" appears, then select your listening position.
For details on this procedure, see "Adjusting the sound characteristics — SOUND" on page 30.

By the visual setup menu

1 Press (VISUAL SETUP) while the unit is off.
The visual setup menu appears.

2 Press ↑/↓ to select (AUDIO SETUP), then press (ENTER).
The audio setup items appear.

3 Press ↑/↓ to select "POSITION," then press (ENTER).
The options appear.



4 Press ↑/↓ to select the desired option, then press (ENTER).
The setting is complete.

Tip
The setting in sound menu will switch the setting in the visual setup menu automatically, and vice versa.

Setting the subwoofer position

You can set the approximate subwoofer position from your listening position: "NEAR," "NORM"/"NORMAL" or "FAR."

The setting is available only under the following conditions.
– The subwoofer is connected and "REAR/SUB" is set to "SUB OUT" (page 39).
– The listening position is set to "FRONT L," "FRONT R," "FRONT" or "ALL" (page 31).

The setting is configurable both from the sound menu (page 30) and the visual setup menu (page 34).

By the sound menu

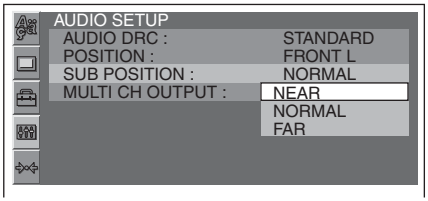
Press (SOUND) repeatedly until "POS SUB" appears, then select the subwoofer position.
For details on this procedure, see "Adjusting the sound characteristics — SOUND" on page 30.

By the visual setup menu

1 Press (VISUAL SETUP) while the unit is off.
The visual setup menu appears.

2 Press ↑/↓ to select (AUDIO SETUP), then press (ENTER).
The audio setup items appear.

3 Press ↑/↓ to select "SUB POSITION," then press (ENTER).
The options appear.



4 Press ↑/↓ to select the desired option, then press (ENTER).
The setting is complete.

Tip
The setting in sound menu will switch the setting in the visual setup menu automatically, and vice versa.

Precisely calibrating the listening position — Intelligent Time Alignment Tune

You can precisely calibrate your listening position from each speaker so that the sound delay reaches the listener more correctly.

The setting is configurable both from the system setup menu (page 38) and the visual setup menu (page 34).

Before starting, measure the distance between your listening position and each speaker.

By the system setup menu

1 During reception/playback, press (SYSTEM SETUP).
The system setup item appears on the main unit.

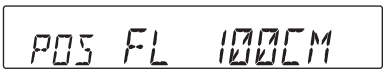
2 Press ↑/↓ to select "SP SETUP," then press (ENTER).

3 Press ↑/↓ to select "POS TUNE," then press (ENTER).

4 Press ↑/↓ to select the desired speaker, then press (ENTER).
The speaker switches as follows:
FL (Front Left) → **FR** (Front Right) → **SR** (Rear Right) → **SL** (Rear Left) → **SUB*** (Subwoofer)

* *Appears only when "REAR/SUB" is set to "SUB OUT" (page 39).*

5 Set the distance between your listening position and each speaker.
To adjust the distance, press ↑/↓.
The distance is adjustable in 2 cm ($^{13}/_{16}$ in) steps, between 0 and 400 cm (0 and 13 $^{1}/_{10}$ ft).



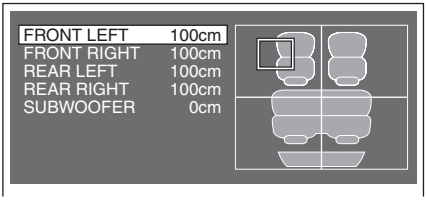
6 Press (ENTER).
The setting is complete.

To set the other speakers, repeat step 4 and 5.
To hide the system setup display, press (SYSTEM SETUP).

With the main unit
Press and hold the control dial instead of pressing (SYSTEM SETUP), rotate the control dial instead of pressing ↑/↓, press the control dial instead of (ENTER).

By the visual setup menu

1 From the visual setup menu, select (AUDIO SETUP) → "POSITION" → "CUSTOM," then press (ENTER).
For details on this procedure, see "Optimizing sound for the listening position — Intelligent Time Alignment" on page 31.
The speaker list appears.



2 Set the distance between your listening position and each speaker.
To select the speaker, press ↑/↓ and (ENTER).
To adjust the distance, press ↑/↓, and to confirm, press (ENTER).
The distance is adjustable in 2 cm ($^{13}/_{16}$ in) steps, between 0 and 400 cm (0 and 13 $^{1}/_{10}$ ft).

To return to the previous display, press ↩.
To hide the visual setup menu, press (VISUAL SETUP).

Tip
The setting in visual setup will switch the setting in system setup automatically, and vice versa.

Customizing the equalizer curve — EQ7 Tune

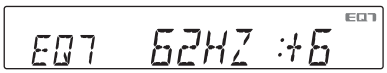
"CUSTOM" of EQ7 allows you to make your own equalizer settings. You can adjust the level of 7 different bands: 62 Hz, 157 Hz, 396 Hz, 1.0 kHz, 2.5 kHz, 6.3 kHz, and 16 kHz.

1 During reception/playback, press (SYSTEM SETUP).
The system setup item appears on the main unit.

2 Press ↑/↓ to select "EQ7 TUNE," then press (ENTER).

3 Press ↑/↓ to select "CUSTOM," then press (ENTER).

4 Adjust the level of each frequency.
To adjust the level, press ↑/↓.
The level is adjustable in single steps, between –8 and +8.



To switch the frequency, press ←/→.
To restore the factory-set equalizer curve, press and hold (ENTER).

5 Press (ENTER).
The setting is complete and the display returns to normal play/reception mode.

To hide the system setup display, press (SYSTEM SETUP).

Tip
Other equalizer types are also adjustable.

With the main unit
Press and hold the control dial instead of pressing (SYSTEM SETUP), rotate the control dial instead of pressing ↑/↓, press (SEEK) –/+ instead of ←/→, press the control dial instead of (ENTER).

Adjusting the speaker volume

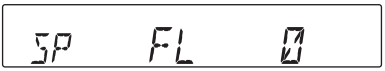
You can adjust the volume of each connected speaker.

1 Press (SYSTEM SETUP) while the unit is off.
The system setup item appears on the main unit.

2 Press ↑/↓ to select "SP SETUP," then press (ENTER).

3 Press (ENTER) to select "LEVEL-ADJ."

4 Adjust the volume of each speaker.
To adjust the level, press ↑/↓.
The level is adjustable in single steps, between –6 and +6.



To switch the speaker, press ←/→.
The speaker switches as follows:
FL (Front Left) → **FR** (Front Right) → **SR** (Rear Right) → **SL** (Rear Left) → **SUB*** (Subwoofer)

* *Appears only when "REAR/SUB" is set to "SUB OUT" (page 39).*

5 Press → repeatedly until the clock display appears.
The setting is complete.

With the main unit
Press and hold the control dial instead of pressing (SYSTEM SETUP), rotate the control dial instead of pressing ↑/↓, press (SEEK) –/+ instead of ←/→, press the control dial instead of (ENTER).

Settings

Various settings are configurable from the following two setup menus.

- **Visual setup menu (page 34)**
  Allows configuration of visual-related items (by the monitor).
- **System setup menu (page 38)**
  Allows configuration of system-related items (by the main unit).

Visual setup

The visual setup menu includes the following categories.

LANGUAGE SETUP (page 35)
Sets the menu, subtitle language, etc.

DISPLAY SETUP (page 35)
Adjusts the settings of the connected monitor.

CUSTOM SETUP (page 36)
Customizes the playback of discs.

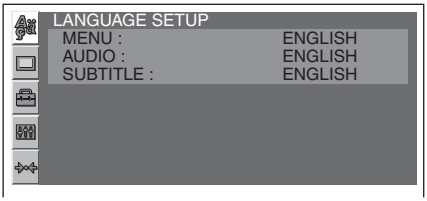
AUDIO SETUP (page 37)
Adjusts the sound settings according to the disc.

RESET (page 37)
Resets all setting items.

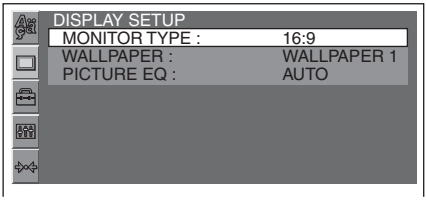
Basic operation of visual setup

You can set items in the menu by the following procedure.
E.g., when setting the aspect ratio to "4:3 PAN SCAN."

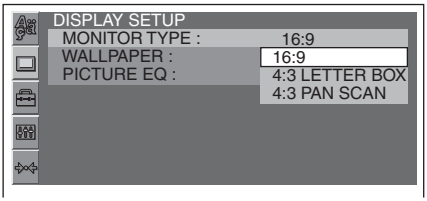
1 Press (VISUAL SETUP) while the unit is off.
The visual setup menu appears.



2 Press ↑/↓ to select (DISPLAY SETUP), then press (ENTER).
The display setup items appear.



3 Press ↑/↓ to select "MONITOR TYPE," then press (ENTER).
The options appear.



4 Press ↑/↓ to select "4:3 PAN SCAN," then press (ENTER).
The setting is complete.

To return to the previous display, press ↩.
To hide the visual setup menu, press (VISUAL SETUP).

Language setup for display or soundtrack DVD

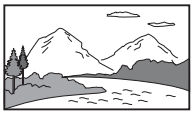
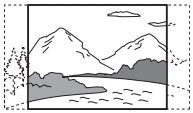
Select (LANGUAGE SETUP), then select the desired item and option below, using ↑/↓ and (ENTER). For details on this procedure, see "Basic operation of visual setup" on page 34.

Item	Purpose
MENU	To change the disc's menu language.
AUDIO	To change the soundtrack language.
SUBTITLE	To change the subtitle language recorded on the disc.

Display setup

Select (DISPLAY SETUP), then select the desired item and option below, using ↑/↓ and (ENTER). For details on this procedure, see "Basic operation of visual setup" on page 34.

Follow the page reference for details. "●" indicates the default setting.

Item	Option	Purpose
MONITOR TYPE Selects an aspect ratio suitable for the connected monitor.	**16:9 (●)** 	To display the wide picture. Suitable when connecting to a wide-screen monitor or a monitor with a wide mode function.
	4:3 LETTER BOX 	To display a wide picture with bands on the upper and lower positions of the screen. Suitable when connecting to a 4:3 screen monitor.
	4:3 PAN SCAN 	To display a wide picture on the entire screen and automatically cut off the portions that do not fit.
WALLPAPER	**WALLPAPER 1, 2 (●), 3**	To select the design of wallpaper.
PICTURE EQ (page 25) DVD VCD JPEG DivX MPEG-4 Selects the setting option to show in the play mode menu.	**AUTO (●)**	To switch the night time/day time use options automatically according to the dimmer setting in system setup (page 40).
	LIGHT ON	To show the night time use options.
	LIGHT OFF	To show the day time use options.

continue to next page →

Note
Depending on the disc, "4:3 LETTER BOX" may be selected automatically instead of "4:3 PAN SCAN," and vice versa.

Custom setup

Select (CUSTOM SETUP), then select the desired item and option below, using ↑/↓ and (ENTER). For details on this procedure, see "Basic operation of visual setup" on page 34.

Follow the page reference for details. "●" indicates the default setting.

Item	Option	Purpose
PARENTAL CONTROL (page 26) DVD *1 Sets the playback restrictions to not play inappropriate discs or scenes.	**OFF → (●)**	To deactivate parental control.
	ON →	To activate parental control.
	PLAYER →	To set the restriction standard and its level.
	PASSWORD →	To set a new 4-digit password.
SLIDE SHOW TIME JPEG	**5 sec. (●), 10 sec., 20 sec., 40 sec., 60 sec.**	To select the slide show interval.
	FIXED	To deactivate the slide show.
MULTI-DISC RESUME DVD *2 VCD DivX MPEG-4	**ON (●)**	To store the resume settings in memory for up to 5 discs.
	OFF	To not store the resume settings in memory. Resume playback is available only for the current disc in the unit.
PLAY LIST PLAY DVD (For DVD-R/DVD-R DL/DVD-RW in VR mode only)	**ORIGINAL (●)**	To play originally recorded titles.
	PLAY LIST	To play edited play list.
PBC (Playback control) VCD	**ON (●)**	To activate the PBC function.
	OFF	To deactivate the PBC function.
DivX VOD DivX Displays the registration code for this unit. For more information, see page 45.	**Done**	To close the display.
DivX DEACTIVATION*3 DivX Deactivates this unit's registration for DivX VOD playback.	**Done**	To close the display.

*1 *Excluding DVD-R/DVD-R DL/DVD-RW in VR mode.*
*2 *DVD VIDEO only.*
*3 *Available only after DivX VOD disc is played.*

Note
If parental control is applied, the resume playback will not work. In this case, playback starts from the beginning of the disc when it is inserted.

Audio setup

Select (AUDIO SETUP), then select the desired item and option below, using ↑/↓ and (ENTER).
For details on this procedure, see "Basic operation of visual setup" on page 34.

Follow the page reference for details. "●" indicates the default setting.

Item	Option	Purpose
AUDIO DRC DVD *1 Makes the sound clear when the volume is low. Only for a DVD conforming to Audio DRC (Dynamic Range Control).	**STANDARD (●)**	To select the standard setting.
	WIDE RANGE	To obtain the feeling of being at a live performance.
POSITION (page 31) Sets the listening position to obtain the feeling of being in the center of the sound field wherever you sit in the car.	**OFF (●)**	To not set the listening position.
	FRONT	To set to center front.
	ALL	To set to the center of your car.
	FRONT L	To set to front left.
	FRONT R	To set to front right.
	CUSTOM	To precisely calibrate the listening position (page 32).
SUB POSITION*2 (page 32)	**NEAR, NORMAL (●), FAR**	To select the approximate subwoofer position from your listening position.
MULTI CH OUTPUT Switches the method of outputting 4.1-channel sources.	**MULTI (●)**	To output in 4.1 channels.
	STEREO	To downmix to 2 channels.

*1 *Excluding DVD-R/DVD-R DL/DVD-RW in VR mode.*
*2 *Available only when "REAR/SUB" is set to "SUB OUT" (page 39), and the "POSITION" is set to "FRONT L"/ "FRONT R"/"FRONT"/"ALL."*

Resetting all settings

All settings (excluding parental control setting) in visual setup can be reset.
Select (RESET), then "RESET ALL SETTINGS," "YES" using ↑/↓ and (ENTER).
For details on this procedure, see "Basic operation of visual setup" on page 34.

Note
Do not power off the unit while resetting, as it takes a few seconds to complete.

System setup

The system setup menu includes the following categories.

- **SET**: General settings (page 39)
- **DSPL**: Display settings (page 40)
- **R/M**: Receive mode settings (page 40)
- **SND**: Sound settings (page 41)

Basic operation of system setup

You can set items in the menu by the following procedure.

E.g., when setting the demonstration.

1 Press (SYSTEM SETUP) while the unit is off.
The system setup item appears on the main unit.

2 Press ↑/↓ to select "DEMO," then press (ENTER).
The option appears.

3 Press ↑/↓ to select "ON" or "OFF," then (ENTER).
The setting is complete.

To hide the system setup display, press (SYSTEM SETUP).

With the main unit
Press and hold the control dial instead of pressing (SYSTEM SETUP), rotate the control dial instead of pressing ↑/↓, press the control dial instead of (ENTER).

Follow the page reference for details. "●" indicates the default setting.

SET (Setup)

Item	Option	Purpose	Unit status
CLOCK-ADJ (Clock Adjust) (page 42)	–	–	Any status.
CT (Clock Time) (page 19, 20)	**ON**	To activate the CT function.	
	OFF (●)	To deactivate the CT function.	
BEEP	**ON (●)**	To activate the operation sound.	
	OFF	To deactivate the operation sound.	
COLOR-SYS (Color System) Changes the video output signal according to the connected monitor.	**PAL (●)**	To set to PAL.	Unit off.
	NTSC	To set to NTSC.	
RM (Rotary Commander) Changes the operative direction of the rotary commander controls.	**NORM (●)**	To use in the factory-set position.	Any status.
	REV	To use on the right side of the steering column.	
AUTO-OFF Shuts off automatically after a desired time when the unit is off.	**NO (●)**	To deactivate the Auto Off function.	
	30S, 30M, 60M	To select the desired time.	
REAR/SUB Switches the audio output.	**REAR OUT**	To set to the power amplifier.	Unit off.
	SUB OUT (●)	To set to the subwoofer.	

continue to next page →

DSPL (Display)

Item	Option	Purpose	Unit status
BLACKOUT Turns off the illumination automatically for any source (e.g, during playback/radio reception, etc.) if no operation is performed for 5 seconds.	**ON**	To turn off the illumination. To bring the light back on, press any button on the main unit. (When activated, remote operation is unavailable.)	Any status.
	OFF (●)	To deactivate the Black Out function.	
M.DSPL (Motion Display)	**ON (●)**	To show moving patterns.	During radio reception/ playback.
	OFF	To deactivate the Motion Display.	
DEMO (Demonstration)	**ON (●)**	To activate the demonstration.	Unit off.
	OFF	To deactivate the demonstration.	
DIMMER Changes the display brightness.	**ON**	To dim the display.	Any status.
	OFF (●)	To deactivate the dimmer.	
AUTO-SCRL (Auto Scroll) Scrolls long items automatically.	**ON (●)**	To scroll.	During disc playback.
	OFF	To not scroll.	

R/M (Receive mode)

Item	Option	Purpose	Unit status
LOCAL (Local Seek Mode)	**ON**	To only tune into stations with stronger signals.	During radio reception.
	OFF (●)	To tune normal reception.	
MONO (Monaural Mode) Selects monaural reception mode to improve poor FM reception.	**ON**	To hear stereo broadcast in monaural.	During FM reception.
	OFF (●)	To hear stereo broadcast in stereo.	
BTM (Best Tuning Memory) (page 19)	–	–	During radio reception.

SND (Sound)

Item	Option	Purpose	Unit status
EQ7 TUNE (page 33)	–	–	During radio reception/ playback.
AUX-LEVEL (page 43)	**(–8 ~ +18)** **●: 0**	To select the level.	During AUX playback.
DVD-LEVEL (page 24)	**ADJST-ON**	To allow for adjusting the output level of Dolby Digital format.	During disc playback.
	ADJST-OFF (●)	To deactivate the level adjustment.	
DOLBY-ADJ (Dolby Level Adjust) (page 24)*1	**(–10 ~ +10)** **●: +8**	To select the level.	
SP SETUP (Speaker Setup)	**LEVEL-ADJ** (Level Adjust)	To select the level (–6 ~ +6, 13 steps).	Unit off.
	HPF-FREQ (High Pass Filter Frequency)	To select the front/rear speaker cut-off frequency (OFF (●), 50HZ, 60HZ, 80HZ, 100HZ, 120HZ).	During radio reception/ playback.
	LPF-FREQ (Low Pass Filter Frequency)*2	To select the subwoofer cut-off frequency (120HZ, 100HZ (●), 80HZ, 60HZ, 50HZ).	
	LPF-PHASE (Low Pass Filter Phase)*2	To select the subwoofer phase (NORM (●), REV).	
	POS TUNE (Position Tune) (page 32)	To set the listening position (0 ~ 400 cm (0 and 13 1/10 ft)).	

*1 *Appears and available only when "DVD-LEVEL" is set to "ADJST-ON."*
*2 *Appears only when "REAR/SUB" is set to "SUB OUT" (page 39).*

Setting the clock

The clock uses a 12-hour indication.

1 Press (SYSTEM SETUP).
The system setup item appears on the main unit.

2 Press ↑/↓ to select "CLOCK-ADJ," then press (ENTER).
The hour indication flashes.

3 Press ↑/↓ to set the hour and minute.
To move the digital indication, press ←/→.

4 Press (ENTER).
The setting is complete.

To hide the system setup display, press (SYSTEM SETUP).

To show the clock during playback, press (DSPL) repeatedly until it appears.

With the main unit
Press and hold the control dial instead of pressing (SYSTEM SETUP), rotate the control dial instead of pressing ↑/↓, press (SEEK) –/+ instead of ←/→, press the control dial instead of (ENTER).

Using Optional Equipment

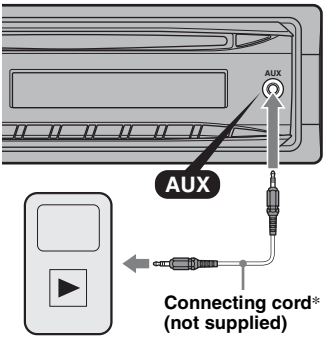
Auxiliary equipment

You can connect auxiliary devices to the unit, and listen on your car speakers.
Up to 2 devices can be connected, one to the AUX input jack (stereo mini jack) on the front, and the other to the AUX AUDIO IN terminals on the rear. The volume level is adjustable for any difference between the unit and the auxiliary device.

Connecting an auxiliary device

1 Turn off the auxiliary device.
2 Turn down the volume on the unit.
3 Connect to the unit.

On the front
Connect to the AUX input jack.



* *Be sure to use a straight type plug.*

On the rear
Connect to the AUX AUDIO IN terminals.

Selecting an auxiliary device

1 Press (SRC) repeatedly until "AUX" appears on the main unit.
2 Press (MODE) to select "FRONT-IN" or "REAR-IN."
Operate by the auxiliary device itself.

Adjusting the volume level

Be sure to adjust the volume of each connected device before playback.

1 Turn down the volume on the unit.
2 Press (SRC) repeatedly until "AUX" appears on the main unit.
If two auxiliary devices are connected, select the device to adjust its volume by pressing (MODE).
3 Start playback of the auxiliary device at a moderate volume.
4 Set your usual listening volume on the unit.
5 Press (SYSTEM SETUP).
6 Press ↑/↓ to select "AUX-LEVEL," then press (ENTER).
7 Press ↑/↓ to adjust the input level.
The input level is adjustable in single steps, between –8 and +18.
8 Press (ENTER).
The setting is complete.

To hide the system setup display, press (SYSTEM SETUP).

With the main unit
Press (SOURCE/OFF) instead of (SRC), press and hold the control dial instead of pressing (SYSTEM SETUP), rotate the control dial instead of pressing ↑/↓, press the control dial instead of (ENTER).

Additional Information

Precautions

- Cool off the unit beforehand if your car has been parked in direct sunlight.
- Power antenna (aerial) extends automatically.

Moisture condensation

Should moisture condensation occur inside the unit, remove the disc and wait for about an hour for it to dry out; otherwise the unit will not operate properly.

To maintain high sound quality

Do not splash liquid onto the unit or discs.

Notes on discs

- Do not expose discs to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.
- Before playing, wipe the discs with a cleaning cloth from the center out. Do not use solvents such as benzine, thinner, commercially available cleaners.

- This unit is designed to play back discs that conform to the Compact Disc (CD) standard. DualDiscs and some of the music discs encoded with copyright protection technologies do not conform to the Compact Disc (CD) standard, therefore, these discs may not be playable by this unit.
- **Discs that this unit CANNOT play**
  – Discs with labels, stickers, or sticky tape or paper attached. Doing so may cause a malfunction, or may ruin the disc.
  – Discs with non-standard shapes (e.g., heart, square, star). Attempting to do so may damage the unit.
  – 8 cm (3 1/4 in) discs.

Note on playback operations of DVDs and VCDs

Some playback operations of DVDs and VCDs may be intentionally set by software producers. Since this unit plays DVDs and VCDs according to the disc contents the software producers designed, some playback features may not be available. Also, refer to the instructions supplied with the DVDs or VCDs.

continue to next page →

Notes on DATA CDs and DATA DVDs

- Some DATA CDs/DATA DVDs (depending on the equipment used for its recording, or the disc condition) may not play on this unit.
- Finalization is required for some discs (page 44).
- The unit is compatible with the following standards.
  For DATA CDs
  – ISO 9660 level 1/level 2 format, Joliet/Romeo in the expansion format
  – Multi Session
  For DATA DVDs
  – UDF Bridge format (combined UDF and ISO 9660)
  – Multi Border
- The maximum number of:
  – folders (albums): 256 (including root and empty folders).
  – files (tracks/images/videos) and folders contained in a disc: 2,000 (if a folder/file names contain many characters, this number may become less than 2,000).
  – displayable characters for a folder/file name: 64 (Joliet/Romeo).

Notes on finalizing discs

The following discs are required to be finalized to play on this unit.

- DVD-R/DVD-R DL (in video mode/VR mode)
- DVD-RW in video mode
- DVD+R/DVD+R DL
- CD-R
- CD-RW

The following discs can be played without finalization.

- DVD+RW – automatically finalized.
- DVD-RW in VR mode – finalization not required.

For details, see the manual supplied with the disc.

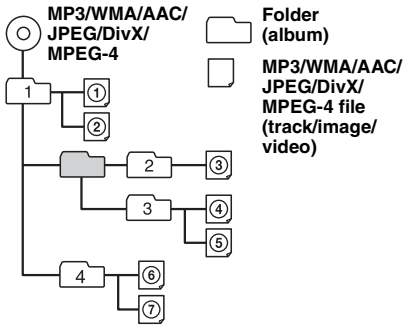
Notes on Multi Session CDs/Multi Border DVDs

This unit can play Multi Session CDs/Multi Border DVDs under the following conditions. Note that the session must be closed and the disc must be finalized.

- When CD-DA (Compact Disc Digital Audio) is recorded in the first session:
  The unit recognizes the disc as CD-DA and only CD-DA of the first session is played, even if an other format (e.g., MP3) is recorded in other sessions.
- When CD-DA is recorded other than in the first session:
  The unit recognizes the disc as a DATA CD or DATA DVD, and all CD-DA sessions are skipped.
- When an MP3/WMA/AAC/JPEG/DivX/MPEG-4 is recorded:
  Only the sessions containing the selected file type (audio/video/image)* are played (if CD-DA or other data exists in other sessions, they are skipped).

* *For details on how to select the file type, see page 29.*

Playback order of MP3/WMA/AAC/JPEG/DivX®/MPEG-4 files



About MP3 files

- MP3, which stands for MPEG-1 Audio Layer-3, is a music file compression format standard. It compresses audio CD data to approximately 1/10 of its original size.
- ID3 tag versions 1.0, 1.1, 2.2, 2.3 and 2.4 apply to MP3 only. ID3 tag is 15/30 characters (1.0 and 1.1), or 63/126 characters (2.2, 2.3 and 2.4).
- When naming an MP3 file, be sure to add the file extension ".mp3" to the file name.
- During playback or fast-forward/reverse of a VBR (Variable Bit Rate) MP3 file, elapsed playback time may not display accurately.

Note on MP3

If you play a high-bit-rate MP3, such as 192 kbps, sound may be intermittent.

About WMA files

- WMA, which stands for Windows Media Audio, is a music file compression format standard. It compresses audio CD data to approximately 1/22* of its original size.
- WMA tag is 63 characters.
- When naming a WMA file, be sure to add the file extension ".wma" to the file name.
- During playback or fast-forward/reverse of a VBR (Variable Bit Rate) WMA file, elapsed playback time may not display accurately.

* *only for 64 kbps*

Note on WMA
Playback of the following WMA files is not supported.
– lossless compression
– copyright-protected

About AAC files

- AAC tag is 126 characters.
- When naming an AAC file, be sure to add the file extension ".m4a" to the file name.

About JPEG files

- JPEG, which stands for Joint Photographic Experts Group, is an image file compression format standard. It compresses still images approximately 1/10 to 1/100 of original size.
- When naming a JPEG file, be sure to add the file extension ".jpg" to the file name.

Note on JPEG
Playback of progressive JPEG files is not supported.

About DivX video

DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified device that plays DivX video. Visit www.divx.com for more information and software tools to convert files into DivX video.

About DivX Video-on-Demand

This DivX Certified® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in the device setup menu. Go to vod.divx.com with this code to complete the registration process and learn more about DivX VOD.

About MPEG-4 files

MPEG-4 files on a disc meeting the following requirements can be played. Playback is not be guaranteed for all MPEG-4 files meeting the requirements.

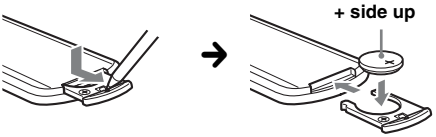
- Profile: MPEG-4 Simple profile
- Bit rate: Max. 10 Mbps on DVD, 7 Mbps on CD
- Frame rate: Max. 30 fps
- Image size: Max. 720 × 480 pixels
- Audio: Max. 320 kbps (AAC-LC)
- File extension: .mp4

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

Maintenance

Replacing the lithium battery of the card remote commander

Under normal conditions, the battery 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 the lithium battery

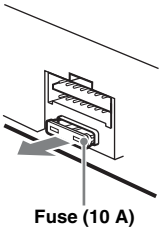
- *Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.*
- *Wipe the battery with a dry cloth to assure a good contact.*
- *Be sure to observe the correct polarity when installing the battery.*
- *Do not hold the battery with metallic tweezers,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

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

continue to next page →

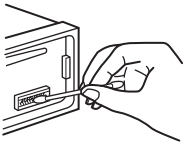
Fuse replacement

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.

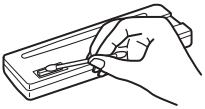


Cleaning the connectors

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 13) and clean the connectors with a cotton swab. Do not apply too much force. Otherwise, the connectors may be damaged.



Main unit



Back of the front panel

Notes

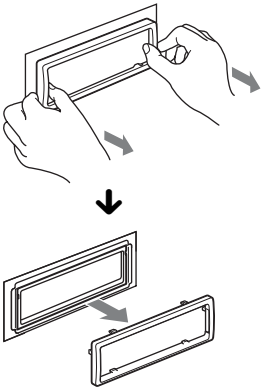
- *For safety, turn off the ignition before cleaning the connectors, and remove the key from the ignition switch.*
- *Never touch the connectors directly with your fingers or with any metal device.*

Removing the unit

1 Remove the protection collar.

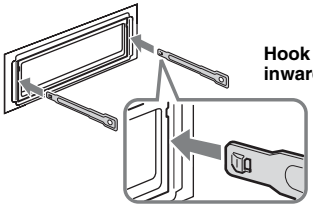
❶ Detach the front panel (page 13).

❷ Pinch both edges of the protection collar, then pull it out.

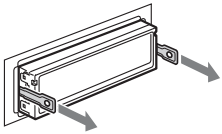


2 Remove the unit.

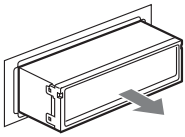
❶ Insert both release keys simultaneously until they click.



❷ Pull the release keys to unseat the unit.



❸ Slide the unit out of the mounting.



Specifications

System

Laser: Semiconductor laser
Signal format system: PAL/NTSC switchable

Tuner section

FM

Tuning range: 87.5 – 108.0 MHz
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency: 150 kHz
Usable sensitivity: 10 dBf
Selectivity: 75 dB at 400 kHz
Signal-to-noise ratio: 70 dB (mono)
Separation: 40 dB at 1 kHz
Frequency response: 20 – 15,000 Hz

AM

Tuning range: 531 – 1,602 kHz
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency: 25 kHz
Sensitivity: 26 µV

DVD/CD Player section

Signal-to-noise ratio: 120 dB
Frequency response: 10 – 20,000 Hz
Wow and flutter: Below measurable limit
Harmonic distortion: 0.01 %
Region code: Labeled on the bottom of the unit

Power amplifier section

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

General

Outputs:
Video output terminal
Audio output terminals (rear/sub switchable)
Power antenna (aerial) relay control terminal
Power amplifier control terminal
Inputs:
AUX audio input terminals
Remote controller input terminal
Antenna (aerial) input terminal
Parking break control terminal
AUX input jack (stereo mini jack)
Power requirements: 12 V DC car battery (negative ground (earth))
Dimensions: Approx. 178 × 50 × 179 mm ($7\ ^1/_8 \times 2 \times 7\ ^1/_8$ in) (w/h/d)
Mounting dimensions: Approx. 182 × 53 × 162 mm ($7\ ^1/_4 \times 2\ ^1/_8 \times 6\ ^1/_2$ in) (w/h/d)
Mass: Approx. 1.3 kg (2 lb 14 oz)
Supplied accessories:
Card remote commander: RM-X168
Parts for installation and connections (1 set)
Optional accessory/equipment:
Mobile monitor: XVM-B62

Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information.

US and foreign patents licensed from Dolby Laboratories.

MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.

This product is protected by certain intellectual property rights of Microsoft Corporation. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary.

Design and specifications are subject to change without notice.

- Halogenated flame retardants are not used in the certain printed wiring boards.
- Halogenated flame retardants are not used in cabinets.
- Packaging cushions are made from paper.

Region code

The region system is used to protect software copyrights.
The region code is located on the bottom of the unit, and only DVDs labeled with an identical region code can be played on this unit.

DVDs labeled ALL can also be played.

If you try to play any other DVD, the message "Playback prohibited by region code." will appear on the monitor screen. Depending on the DVD, no region code may be labeled even though playing the DVD is prohibited by area restrictions.

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.

> Depending on the connected monitor, the unit may take a few seconds to turn off after turning the ignition off. This is not a malfunction.

General

No power is being supplied to the unit.
- Check the connection or fuse.
- If the unit is turned off and the display disappears, it cannot be operated with the remote commander.
  → Turn on the unit.

The power antenna (aerial) does not extend.
The power antenna (aerial) does not have a relay box.

No beep sound.
- The beep sound is canceled (page 39).
- An optional power amplifier is connected and you are not using the built-in amplifier.

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

Stored stations and correct time are erased.
The fuse has blown.
Makes noise when the position of the ignition is switched.
The leads are not matched correctly with the car's accessory power connector.

The display disappears from/does not appear in the display window.
- The dimmer is set "DIM-ON" (page 40).
- The display disappears if you press and hold (SOURCE/OFF).
  → Press (SOURCE/OFF) on the unit until the display appears.
- The connectors are dirty (page 46).

The display disappears while the unit is operating.
The Black Out function is set to on (page 40).

The Auto Off function does not operate.
The unit is turned on. The Auto Off function activates after turning off the unit.
→ Turn off the unit.

Card remote commander operation is not possible.
If the Black Out function is activated (no lighting), card remote commander operation is not possible (page 40).

Radio reception

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

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

Automatic tuning is not possible.
- Setting of the local seek mode is not correct.
  → Tuning stops too frequently:
  Set "LOCAL-ON" (page 40).
  → Tuning does not stop at a station:
  Set "LOCAL-OFF" (page 40).
- The broadcast signal is too weak.
  → Perform manual tuning.

During FM reception, the "ST" indication flashes.
- Tune in the frequency accurately.
- The broadcast signal is too weak.
  → Set "MONO-ON" (page 40).

An FM program broadcast in stereo is heard in monaural.
The unit is in monaural reception mode.
→ Set "MONO-OFF" (page 40).

RDS

PTY displays "- - - - - - - -."
- The current station is not an RDS station.
- RDS data has not been received.
- The station does not specify the program type.

Picture

There is no picture/picture noise occurs.

- A connection has not been made correctly.
- Check the connection to the connected equipment, and set the input selector of the equipment to the source corresponding to this unit.
- Defective or dirty disc.
- Installation is not correct.
  → Install the unit at an angle of less than 45° in a sturdy part of the car.
- The monitor is connected to the AUDIO/VIDEO OUT, and the parking cord (light green) is not connected to the parking brake switch cord, or the parking brake is not applied.
- The color system setting is incorrect.
  → Set the color system to "PAL" or "NTSC" according to the connected monitor (page 39).

Picture does not fit in the screen.

The aspect ratio is fixed on the DVD.

Sound

There is no sound/sound skips/sound cracks.

- A connection has not been made correctly.
- Check the connection to the connected equipment, and set the input selector of the equipment to the source corresponding to this unit.
- Defective or dirty disc.
- Installation is not correct.
  → Install the unit at an angle of less than 45° in a sturdy part of the car.
- The MP3 file sampling rate is not 32, 44.1, or 48 kHz.
- The WMA file sampling rate is not 32, 44.1, or 48 kHz.
- The AAC file sampling rate is not 44.1, or 48 kHz.
- The MP3 file bit rate is not 48 to 192 kbps.
- The WMA file bit rate is not 64 to 192 kbps.
- The AAC file bit rate is not 40 to 320 kbps.
- The unit is in pause/reverse/fast-forward mode.
- The settings for the outputs are not made correctly.
- The DVD output level is too low (page 24).
- The volume is too low.
- The ATT function is activated.
- The position of the fader control "FAD" is not set for a 2-speaker system.
- Unsupported format (such as DTS).
  → Check if the format is supported by this unit (page 7).

Sound is noisy.

Keep cords and cables away from each other.

Disc operation

The disc cannot be loaded.

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

The disc does not play back.

- Defective or dirty disc.
- The disc is not applicable.
- The DVD is not applicable due to the region code.
- The disc is not finalized (page 44).
- The disc format and file version are incompatible with this unit (page 7, 44).
- Press ⏏ to remove the disc.

MP3/WMA/AAC/JPEG/DivX/MPEG-4 files do not play back.

- Recording was not performed according to the ISO 9660 level 1 or level 2, the Joliet or Romeo in the expansion format (DATA CD), or the UDF Bridge format (DATA DVD) (page 44).
- The file extension is incorrect (page 44).
- Files are not stored in MP3/WMA/AAC/JPEG/DivX/MPEG-4 format.
- If the disc contains multiple file types, only the selected file type (audio/video/image) can be played.
  → Select the appropriate file type using the list (page 29).

MP3/WMA/AAC/JPEG/DivX/MPEG-4 files take longer to play back than others.

The following discs take a longer time to start playback.
– a disc recorded with a complicated tree structure.
– a disc recorded in Multi Session/Multi Border.
– a disc to which data can be added.

The disc does not start playing from the beginning.

Resume playback or multi-disc resume playback (page 36) has taken effect.

Certain functions cannot be performed.

Depending on the disc, you may not be able to perform operations such as stop, search, or repeat/shuffle play. For details, see the manual supplied with the disc.

The soundtrack/subtitle language or angle cannot be changed.

- Use the DVD menu instead of the direct selection button on the card remote commander (page 15).
- Multilingual tracks, multilingual subtitles, or multi-angles are not recorded on the DVD.
- The DVD prohibits changing.

The display items do not scroll.

- For discs with very many characters, those may not scroll.
- "AUTO-SCRL" is set to "OFF."
  → Set "A.SCRL-ON" (page 40).

The operation buttons do not function.
The disc will not eject.

Press the RESET button (page 12).

You forgot the password for parental control.

Enter "5776" in the password input display to unlock (page 26).

continue to next page →

Error displays/Messages

On the main unit

ERROR
- The disc is dirty or inserted upside down.
  → Clean or insert the disc correctly.
- A blank disc has been inserted.
- The disc cannot play due to a problem.
  → Insert another disc.
- The disc is not compatible with this unit.
  → Insert a compatible disc.
- Press ⏏ to remove the disc.

FAILURE
The connection of speakers/amplifiers is incorrect.
→ See the supplied installation/connections manual to check the connection.

L. SEEK +/–
The local seek mode is on during automatic tuning.

NO NAME
A disc/album/folder/track/image/video name is not written in the file.

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

READ
The unit is reading all file/album (folder) information on the disc.
→ Wait until reading is complete and playback starts automatically. Depending on the disc structure, it may take more than a minute.

"LLLL" or "ᒣᒣᒣᒣ"
During reverse or fast-forward, you have reached the beginning or the end of the disc and you cannot go any further.

"_"
The character cannot be displayed with the unit.

On the monitor

Cannot play this disc.
- The disc is incompatible with this unit.
- The disc is not finalized.

No playable data.
The disc does not contain playable data.

Playback prohibited by region code.
The DVD playback is prohibited due to the different region code.

If these solutions do not help improve the situation, consult your nearest Sony dealer.
If you take the unit to be repaired because of disc playback trouble, bring the disc that was used at the time the problem began.

Language code/area code list

Language code list

The language spellings conform to the ISO 639: 1988 (E/F) standard.

Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1183	Irish	1347	Maori	1507	Samoan
1028	Abkhazian	1186	Scots Gaelic	1349	Macedonian	1508	Shona
1032	Afrikaans	1194	Galician	1350	Malayalam	1509	Somali
1039	Amharic	1196	Guarani	1352	Mongolian	1511	Albanian
1044	Arabic	1203	Gujarati	1353	Moldavian	1512	Serbian
1045	Assamese	1209	Hausa	1356	Marathi	1513	Siswati
1051	Aymara	1217	Hindi	1357	Malay	1514	Sesotho
1052	Azerbaijani	1226	Croatian	1358	Maltese	1515	Sundanese
1053	Bashkir	1229	Hungarian	1363	Burmese	1516	Swedish
1057	Byelorussian	1233	Armenian	1365	Nauru	1517	Swahili
1059	Bulgarian	1235	Interlingua	1369	Nepali	1521	Tamil
1060	Bihari	1239	Interlingue	1376	Dutch	1525	Telugu
1061	Bislama	1245	Inupiak	1379	Norwegian	1527	Tajik
1066	Bengali;	1248	Indonesian	1393	Occitan	1528	Thai
	Bangla	1253	Icelandic	1403	(Afan)Oromo	1529	Tigrinya
1067	Tibetan	1254	Italian	1408	Oriya	1531	Turkmen
1070	Breton	1257	Hebrew	1417	Punjabi	1532	Tagalog
1079	Catalan	1261	Japanese	1428	Polish	1534	Setswana
1093	Corsican	1269	Yiddish	1435	Pashto;	1535	Tonga
1097	Czech	1283	Javanese		Pushto	1538	Turkish
1103	Welsh	1287	Georgian	1436	Portuguese	1539	Tsonga
1105	Danish	1297	Kazakh	1463	Quechua	1540	Tatar
1109	German	1298	Greenlandic	1481	Rhaeto-	1543	Twi
1130	Bhutani	1299	Cambodian		Romance	1557	Ukrainian
1142	Greek	1300	Kannada	1482	Kirundi	1564	Urdu
1144	English	1301	Korean	1483	Romanian	1572	Uzbek
1145	Esperanto	1305	Kashmiri	1489	Russian	1581	Vietnamese
1149	Spanish	1307	Kurdish	1491	Kinyarwanda	1587	Volapük
1150	Estonian	1311	Kirghiz	1495	Sanskrit	1613	Wolof
1151	Basque	1313	Latin	1498	Sindhi	1632	Xhosa
1157	Persian	1326	Lingala	1501	Sangho	1665	Yoruba
1165	Finnish	1327	Laothian	1502	Serbo-	1684	Chinese
1166	Fiji	1332	Lithuanian		Croatian	1697	Zulu
1171	Faroese	1334	Latvian;	1503	Singhalese		
1174	French		Lettish	1505	Slovak		
1181	Frisian	1345	Malagasy	1506	Slovenian	1703	Not specified

Area code list

Code	Area	Code	Area	Code	Area	Code	Area
2044	Argentina	2165	Finland	2362	Mexico	2149	Spain
2047	Australia	2174	France	2376	Netherlands	2499	Sweden
2046	Austria	2109	Germany	2390	New Zealand	2086	Switzerland
2057	Belgium	2248	India	2379	Norway	2528	Thailand
2070	Brazil	2238	Indonesia	2427	Pakistan	2184	United
2079	Canada	2254	Italy	2424	Philippines		Kingdom
2090	Chile	2276	Japan	2436	Portugal		
2092	China	2304	Korea	2489	Russia		
2115	Denmark	2363	Malaysia	2501	Singapore		

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